CARL VON OSSIETZKY universität OLDENBURG

Alternative Investments: An Empirical Study of Their Risk-Minimizing Effect on European Banks' Portfolios with Equities and Bonds

Von der Fakultät für Mathematik und Naturwissenschaften der Carl von Ossietzky Universität Oldenburg zur Erlangung des Grades und Titels eines

Doktors der Naturwissenschaften (Dr.rer.nat.)

angenommene Dissertation

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Tag der Disputation: 24.06.2021

ACKNOWLEDGEMENT

First and foremost, praises and thanks to God for His blessings, which I knew I could trust in throughout my research. I would like to express my sincere gratitude to my research supervisors, Prof. Dr. Angelika May and Prof. Dr. Jörg Prokop of the Carl von Ossietzky University of Oldenburg, for their continuous support of my Ph.D study and research, and for providing guidance throughout this thesis. I am especially grateful for the chance to write my Ph.D. in Munich while working part-time and founding a company. Besides my advisors, I would like to thank Prof. Dr. Armin Varmaz of the University of Bremen for his support with many methodological questions. I also extend my thanks to the members of the Center of Lebenslanges Lernen at the University of Oldenburg, where I worked as a mentor during my Ph.D. studies.

I am grateful to my parents, grandparents, sister, and brother for their love, their care for education, and the way they prepared me for the future. I am very thankful to my best friend Dr. Martin Zeckra, who shared every struggling and happy moment of my Ph.D., for his everlasting support. A special thanks goes to Dr. Carmen Preißinger, who provided fantastic support in the last months of my Ph.D. Also, I would like to express my thanks to my good friends Jana and Hanna, who supported me throughout every moment of my Ph.D; I am very happy to know them in my life. A special thanks goes the Evangelische Gemeinde Bogenhausen for the support of all the members of this Christian community. Last but not least, I thank my good friends in the "Jumping Fitness Group" at the Movement Fitnessstudio in Munich for the great fun we had doing sports together while I worked on my Ph.D.

ABSTRACT

The thesis is based on current research and definition attempts for alternative investment classes and is focused on their general and statistical properties. We analyze 39 time-series. The analysis is done for European banks.

Four research questions are answered. The first question is whether there is one comprehensive GARCH model describing all the 39 datasets. Secondly, it is investigated whether it is possible to find this model using a heuristic approach. Thirdly, the diversification effects on a traditional portfolio are discussed. Finally, it is examined whether the comprehensive GARCH model is applicable to portfolios with alternative investments.

The main result is that an exponential GARCH(1,2) model with a general error distribution matches 18 of the 39 datasets and nearly all portfolios. The model was detected by a heuristic approach. The risk of a traditional portfolio is reduced in most cases by adding alternative investment classes.

ZUSAMMENFASSUNG

Die Arbeit fokussiert auf die statistischen und qualitativen Eigenschaften von alternativen Investments. Wir analysieren dafür 39 Zeitreihen. Die Analyse erfolgt für europäische Banken auf Basis des aktuellen Forschungsstands.

Ausgangsfrage ist, ob ein umfassendes GARCH Modell alle 39 Datensätze beschreiben kann und ob das Auffinden dieses Modells mittels eines heuristischen Ansatzes möglich ist. Dann werden die Diversifikationseffekte auf ein traditionelles Portfolio untersucht. Letztlich wird geprüft, ob das umfassende GARCH Modell auch auf Portfolios mit alternativen Assetklassen anwendbar ist.

Ein Ergebnis dieser Arbeit ist, dass ein exponentielles GARCH(1,2) Modell mit General Error Distribution 18 der 39 Datensätze und nahezu alle Portfolios beschreiben kann. Dieses Modell konnte über einen heuristischen Ansatz gefunden werden. Das Risiko eines traditionellen Portfolios wird in den meisten Fällen durch die Beimischung von alternativen Assetklassen gesenkt.

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1. Introduction

By the beginning of the twenty-first century, the value of assets managed as alternative investments had increased rapidly. Due to the magnitude of the capital involved in this sector, as well as the impact of those investments on the functioning of the international financial market, the subject continues to attract more attention.[1] Alternative investments are now considered an indispensable component of capital investment, especially for institutional investors.[2] This is not only because of their growing impact on the financial market, but also their potential to diversify portfolios and increase possible returns.

Thus, alternative investment has become an intensively studied field of research. Despite some general approaches that give an overview of alternative investments,[3] most quantitative and qualitative studies deal with their properties in terms of volatility modeling, impact on portfolio risk and return, and regulatory requirements.

However, the majority of these studies on alternative investments only cover one of the above-mentioned topics and examine, at most, a small selection of alternative investment datasets. What is missing, also due to the rapid development of the cryptocurrency market, is a broad overview, which allows for a comparison in terms of definitions, modeling and impact on portfolios. Besides that, the authors of many studies often consider different datasets, define alternative investments in different ways and expect different investor perspectives, making a comparison between the single results of the studies nearly impossible. Especially for institutional investors, this represents an unsatisfactory scientific basis. As this topic becomes more salient for institutional investors, particularly due to the regulatory requirements, it is clear that not only a quantitative overview is missing, but also a study with a dataset that is consistent, broad, and oriented towards banks as investors.

The research gap becomes more noticeable when considering the following examples: In terms of portfolios, Jaggi et al. in 2011 provide a methodology to combine long traditional asset classes with an active component. In doing so, the authors introduce traditional and alternative indices. Alternative indices for them are represented by different hedge fund

[1] Cf. Sokołowska 2016, p. v of the preface.
[2] Cf. Bundesverband Alternative Investments e.V. 2020.
[3] See, for example, Dorsey 2007, Anson 2006, Mostowfi et al. 2013, Sokołowska 2016.

indices that stand for the "active component" of the portfolio.[4] However, this is different to the definitions provided by Sa-Aadu et al. in 2010, who investigated impacts on portfolios with corporate bonds, small cap stocks, commodities and precious metals, international stocks, and real estate.[5] Moreover, another differing portfolio approach is provided by Cumming, Schweizer, and Haß in 2014, who investigated a strategic asset allocation that can incorporate the special characteristics of alternative investments.[6] Several other studies deal with volatility modeling of a variety of different alternative investments returns with GARCH: for example, Ekong and Onye in 2017, who investigated six sets of symmetric and asymmetric GARCH-family models for Nigerian stock returns;[7] Kawaguchi, Sa-Aadu and Shilling in 2017, who examined the volatility implications of equity REIT stock return;[8] or Fakhfekh and Jeribi in 2020, who investigated sixteen of the most popular cryptocurrencies using five GARCH models with different error distributions.[9] In terms of regulatory requirements, several studies also exist. For example, Cumming et al. in 2012 investigated whether financial regulation can impact performance persistence in the context of the hedge fund industry,[10] while Cumming and Zambelli in 2013 investigated the impact of excessive regulation on private equity returns and firms' performance.[11]

While this weakness in the literature was only touched on by this short literature overview, it becomes even clearer in the literature chapter of this thesis.

There is no broadly agreed upon way to research the topic of alternative investments. Our thesis closes the gap and, hence, represents the consolidation of the topic's varying definitions, the concept of return modeling and the impact of alternative investments on portfolio risk into one comprehensive overview. Against the background of the regulatory requirements, the comparison regarding these topics provides the most benefits for institutional investors.

To conduct for these regulatory requirements and to provide a broad but manageable and usable overview on which further studies can conduct on, three assumptions for the further research are made. First, we conduct our analysis from the perspective of a

[4] Cf. Jaggi et al. 2011.
[5] Cf. Sa-Aadu et al. 2010.
[6] Cf. Cumming et al. 2014.
[7] Cf. Ekong and Onye 2017.
[8] Cf. Kawaguchi et al. 2017.
[9] Cf. Fakhfekh and Jeribi 2020.
[10] Cf. Cumming et al. 2012.
[11] Cf. Cumming and Zambelli 2013.

European bank. This allows us to concentrate on only one regulatory regime, namely Basel IV.[12] Second, the thesis takes hence the perspective of risk rather than return as banks are obliged to provide information concerning their risk exposure to the regulatory regime. Third, where it was possible only European data are used. As one of the weaknesses of the above addressed studies was that all the results were not comparable, one goal of the thesis is to provide homogenous datasets which makes the different results comparable. The use of European data only facilitates the data structure in terms of currency and missing data.

The creation of such a comparison basis is also interesting regarding the risk-oriented value management of the banks. Internal models were strongly promoted by the supervisory authorities until the mid-2000s. Since the financial crisis the regulators have turned away from this. The regulations have continued to increase, and they are much more restrictive, e.g., when it comes to quantifying capital or liquidity requirements with internal risk models used by the institution. However, banks still benefit from internal models because they use them for internal risk management and bank control processes as well as value-based management.[13] With a basis of comparison the internal model finding process can be simplified. Also, the investor is interested in risk reduction in order to keep the provision and, thus, the costs of equity capital as low as possible. The correct choice of asset classes and investments requires extensive research to determine the effects of these investments on regulatory requirements and then to incorporate these into the decision process of purchasing them. A comparison between different assets thus facilitates this research and enables a faster choice between them.

Against this background, four main research questions arise to ensure the research gap is closed precisely. First, we investigate whether it is possible to describe a dataset comprising 37 univariate alternative and two univariate traditional investment return time series using one comprehensive GARCH model. Second, we examine whether this GARCH model can be found using a heuristic procedure. Third, we explore the extent of any diversification effects alternative investments classes[14] have on traditional investment portfolios. Finally, we examine whether the model resulting from the first and second

[12] Cf. Basel Committee on Banking Supervision 2019.
[13] Cf. Romeike and Trummer 2018.
[14] The difference between the definitions of the terms ‘alternative investment’, ‘alternative asset class’ and ‘alternative asset category’ and how they are used in this thesis is explained in chapter 2.

research question is also applicable to portfolios with traditional and alternative investments.

We examine the first research question because we want to find out whether the properties of alternative and traditional time series are comparable in terms of volatility and volatility modeling. For this investigation, we analyze dataset made up of 39 European and American (where European data were not possible) time series over a five-year horizon. To ensure a consistent and homogenous dataset, which is necessary for answering the research question correctly, we conduct the data collection and the further data editing process very precisely and apply appropriate approximation techniques.

Univariate GARCH models are chosen for three reasons. First, as single alternative investments financial return time series are compared to each other the thesis concentrates on univariate models. Second, other model alternatives were also investigated, namely ARMA models, which provided no satisfying results.[15] Lastly, in the literature other authors[16] had also success by using univariate GARCH models for modeling financial log return time series.

The second research question allows us to provide banks a mechanism that makes it easier for them to find models for any time series within an investment portfolio or, indeed, the entire portfolio itself. Very complex modeling procedures can then be reconsidered and complemented or replaced by heuristic procedures. As such, we test different GARCH models on every single dataset, assuming that one of these models best describes the datasets and the portfolios. The assumption that one comprehensive GARCH model, describing all of our time series, exists is based on so-called stylized facts about financial time series, meaning that they have common statistical properties.

For answering research question three we concentrate on the downside risk measured with the expected shortfall, which is in line with the regulatory requirements in Basel IV. As the main focus in the thesis is due the perspective of a European Bank on the risk rather than the return, no further research is done on the risk performance measurement or portfolio optimization.[17]

[15] See footnote 251.
[16] See, for example, Ekong and Onye 2017, Chu et al. 2017, Troster et al. 2018.
[17] For further research on that topic in terms of alternative investments see, for example, Glas and Poddig 2018, Cao et. al 2017, Yu et al. 2019.

The fourth question is examined to adequately conclude the basis of comparison. Institutional investors can easily check for different impacts on their portfolios with traditional investments. We investigate this by creating portfolios with traditional investments, namely equities and bonds, and alternative investments. To do so, we group our time-series dataset into 14 subgroups, with the first subgroup representing a reference portfolio made up of bonds and equities.

This thesis is structured as follows:

Chapter 2 outlines and defines approaches found in the literature and regulatory requirements, as well as the documentation provided by the German cross-asset and cross-product advocacy association for the alternative investments industry, Bundesverband Alternativer Investments. Additionally, in this chapter we clarify our understanding of alternative investments to provide a unique use of the terminology throughout this thesis.

Chapter 3 is devoted to our dataset and methodology. To meet the requirement of a broad overview, we present our dataset, which contains financial time series for the following asset classes: commodity futures, cryptocurrencies, private equity, bonds, and several European stock indices representing different alternative investment categories. Traditional investments are represented by the German Rex and the STOXX Europe Total Market index. For backtesting purposes, we split this dataset into in-sample and out-of-sample parts. Here, we also provide knowledge about the data collection process and descriptive statistical measures. Furthermore, we present stylized facts for financial time series, representing the basis for our GARCH model assumptions.

The methodology is as follows: We test different GARCH models on every single dataset, assuming that one of these models best describes the datasets and the portfolios. To this end, we combine five different GARCH models (Standard GARCH, Integrated GARCH, Exponential GARCH, GJR-GARCH and CS-GARCH) with three different distributions (normal, Student's t- and general error distribution) and a varying conditional mean model. The model evaluation is conducted in three steps, performed separately for each of the models per time series: firstly, we consider the significance and persistence of the model parameter of each model; secondly, we investigate the forecasting performance for each of the remaining models using McNeil and Frey's[18] expected shortfall backtest;

[18] Cf. McNeil and Frey 2000.

finally, if the backtest is successful, we choose the remaining models and evaluate them using the Akaike information criterion. To answer the third research question, we create portfolios of traditional and alternative assets. As a result, we create one traditional and 52 mixed portfolios, all of which are treated as new univariate time series. Since we analyze sub-indices of the STOXX Europe Total Market index, we use a regression-based approach allowing us to count the error terms as new time series and build new portfolios out of them, which is why there are 32 additional portfolios. What we prove additionally, answering the fourth research question, is whether the comprehensive GARCH model for the univariate time series can also describe the portfolio volatility. This allows us to understand whether banks could even predict their portfolio time series with only one GARCH model. To complete our research in terms of law, we consider the newest Basel IV requirements as we implement the internal model approach and use these regulatory requirements as a basis for our calculations.

Chapter 4 concentrates on the theoretical background for all techniques introduced in chapter 3 and presents the empirical results of our calculations. Finally, chapter 5 provides a discussion of our results and final conclusions.

The main result of the thesis is that an EGARCH(1,2) with a general error distribution describes both the single time series and the portfolio time series. Finding this model was possible by implementing a heuristic procedure. With respect to cryptocurrencies and some individual exceptions, all portfolios showed reduced risk when adding alternative investments. The summary of the results represents the comprehensive overview.

2. Alternative and Traditional Investments

2.1. Definitions

This chapter is devoted to both finding unique definitions of alternative and traditional investments, asset classes, and categories and providing a literature overview of the most important and recent research fields concerning alternative investments. Since no single definition exists in either the literature or in regulatory requirements, we present several approaches found in the literature. For a correct and consistent use of terminology throughout the whole thesis, we determine a definition based on these presented approaches. We emphasize especially that we distinguish here between alternative investment assets, categories, and proxies, as not all alternative investments have a sufficient data basis for an empirical analysis.

There are several approaches to defining alternative investments. Dorsey in 2007 simply counted hedge funds, funds, private equity, real estate, currencies, commodities, timber, and oil and gas as alternative investments. He pointed out that alternative investments not only have a range of types (like private equity, real estate and commodities) and a range of strategies (like leverage buyouts, mezzanine dept, and venture capital) but also an entire genus of factors (such as credit spreads, volatility, and liquidity).[19]

Anson et al., however, based their arguments on asset classes in 2011. They remark common stocks, bonds, cash equivalents and real estate as the four major asset classes in developed countries. They stated that investments may be summarized as an asset class if they meet the following key characteristics: major economic factors influence the value of the asset class and correlate highly with returns of each member included in the asset class; the investments have similar risk and return characteristics; and the investments have a common legal or regulatory structure. This led them to the assumption that the correlation between two different classes would be low and, hence, reduce risk. Further, they pointed out that these asset classes can be extended to create other asset classes, e.g., common stocks and bonds are commonly further partitioned into more asset classes. They categorised all asset classes referring to bonds and equities as traditional asset classes and

[19] Cf. Dorsey 2007, p. 3f.

all others as alternative asset classes, including hedge funds, private equity, and commodities.[20]

Mostofwi et al. in 2013 defined alternative investments as a heterogeneous group of investment opportunities differing from traditional investments in terms of their risk and return characteristics, as well as certain other characteristics such as liquidity and market efficiency. They distinguish between alternative investment strategies (hedge funds and private equity) and real assets (commodities, real estate, and collectibles). In contrast, traditional investments only include, in their opinion, equities, bonds, and derivatives, as well as structured products with equities and bonds as their underlying.[21]

Baker and Filback stated in 2013 that alternative investments refer to asset classes that fall outside of traditional investments, such as stocks, bonds and cash. With reference to Yau et al.[22], they introduced the concepts of traditional and modern alternative investments. They count real estate, private equity and commodities as traditional alternative investments and managed futures, hedge funds and distressed securities as modern alternative investments.[23]

Sokolowska connected in 2016 to this point in a more recent study. With reference to Anson[24] and Kizer[25], she pointed out that literature does not clearly define whether alternative investments should be regarded as a separate category of assets or as a subcategory of assets already existing on the financial market.[26] Additionally, referring to Leitner et al.,[27] she specified the characteristic features of allocating given investments into a category of alternative investments, since no unified definition of alternative investments exists. These include the following: a higher return rate potential adjusted for the risk; low correlation with traditional instruments; investments are traded outside the traditional exchange-traded market on the OTC; transaction infrequency and, thus, lower liquidity; a long-term investment horizon; the application of diverse investment strategies, including a financial leverage, short-selling and derivatives; a focus on the

[20] Cf. Anson et al. 2011, p. 7ff.
[21] Cf. Mostowfi et al. 2013, p. 12f.
[22] Cf. Yau et al. 2007.
[23] Cf. Baker and Filbeck 2013, p. 3f.
[24] Cf. Anson 2006.
[25] Cf. Swedroe and Kizer 2008.
[26] Cf. Sokołowska 2016, p. 2.
[27] Cf. Leitner et al. 2007.

achievement of absolute return rates; exposure to fewer financial regulations and higher costs; and the limited availability of investments. To qualify an asset as an alternative investment, Sokolowska added that alternative investments generally have a higher investment risk compared to traditional financial investments, negative correlation between the return rates and the profitability of traditional investing. Furthermore, the investments require specialized knowledge, often non-financial. In her opinion, alternative investments focus on a wealthy investors target group and work within a market segment characterized by lower informational requirements and lower transparency levels.[28] In a brief overview, she summarized real estate, commodities, structured products (e.g., products linked to equity, exchange rates or interest rates), funds, and emotional investments (e.g., art, wine, automobile, collectibles) as alternative investments.[29]

There are also some legal definitions of alternative investments. For the Commission of the European Communities, alternative investments only include private equity funds and hedge funds, which they state in the Green Paper on enhancement of the EU framework for investment funds. They explain also that the alternative investment industry offers new diversification benefits for asset managers. In their opinion, alternative investment strategies are more complex and may involve higher risks for investors than mainstream UCITS.[30] The European Union Directive defines the term AIF (Alternative Investment Fund) as follows (Directive 2011/61/EU): "'AIFs' means collective investment undertakings, including investment compartments thereof, which: (i) raise capital from a number of investors, with a view to investing it in accordance with a defined investment policy for the benefit of those investors; and (ii) do not require authorization pursuant to Article 5 of Directive 2009/65/EC".[31] In contrast to the other authors, the European Parliament has a very limited view on alternative investments.

The Bundesverband Alternativer Investments (BAI) defines alternative investments as innovative investment strategies and concepts that serve to better diversify and optimize the portfolio's risk-return structure. They argue that the term is often associated with infrastructure or private equity. Their general definition is that alternative investments are

[28] Cf. Sokołowska 2016, p. 5f.
[29] Cf. Sokołowska 2016, p. 10.
[30] Cf. Comission of the European Parliament 2005, p. 9.
[31] European Parliament 2011, p. 16.

investments in non-traditional asset classes (other than shares and bonds) or the investment in these asset classes with the help of more complex, non-traditional strategies. In accordance with the different approaches found in literature, the BAI also understands the field of AI to be an extension of private debt, real estate, hedge funds or commodities, as well as many other specialties, such as aircraft or ship financing and crypto-assets. In line with Sokolowska, they assert that there is both an absence of a universally recognized definition and that alternative investments are often characterized by special features, like higher return rate potential and possibly lower liquidity and transparency. The BAI further distinguish between public markets, which are mainly liquid, and private markets, which are mainly illiquid. They split public markets into

- liquid alternatives (e.g. crypto assets),
- hedge funds, and
- commodities (e.g. coffee, soybeans),

and private markets into

- corporate (e.g. private equity or private debt),
- real estate,
- infrastructure (e.g. transportation, communication, energy),
- other real assets (e.g. aviation, shipping, agriculture and forestry), and
- specialties (e.g. regulatory finance).

Given this definition, nearly all of the above-described approaches are found in the wide definitional approach of the BAI.[32] As this thesis provides a broad overview of alternative investments, a definition that is too specific will not lead to a satisfying discussion basis. Although we analyze mainly European data, the definition used by the EU is not sufficient for our needs. For this reason, we use the broader definitional approaches utilized by both the BAI and Sokolowska as our discussion basis. Moreover, we use Anson et al.'s[33] definition of an asset class since the BAI does not provide one.

To summarize the results, we utilize the following definitions in this thesis: Alternative investments, in general, are investments in non-traditional asset classes characterized by special features like higher return rate potential and possibly lower liquidity and

[32] Cf. Bundesverband Alternative Investments e.V. 2020.
[33] Cf. Anson et al. 2011.

transparency.[34] Traditional asset classes in this thesis are represented by stocks and bonds. An asset class is represented by summarized investments which meet the following key characteristics, as stated by Anson: major economic factors influence the value of the asset class correlate highly with the returns of each member included in the asset class; the members included in the asset class have similar risk and return characteristics; they also have a common legal or regulatory structure.[35] We, hence, define the different investment possibilities like bonds, stocks, currencies, or futures as asset classes. To be precise, we designate alternative investment categories as the subgroups of the public and private market suggested by the BAI. To summarize, we name alternative investment asset categories as alternative investments in this thesis, with the following examples illustrating how this naming convention functions in subsequent chapters: commodities are termed alternative investment categories, commodity futures are alternative asset classes, and cocoa is termed an alternative investment.

From the empirical perspective of the thesis, we face a problem that has already been articulated by Sokolowska, namely that alternative investments are characterized by infrequent transactions and, thus, lower liquidity, which makes data collection more difficult. As we seek to analyze a comprehensive overview of the alternative investments as stated by the BAI and Sokolowska, we have been forced to look for proxies for some alternative investment classes, a decision in line with other authors.[36] In terms of our definitions for the thesis, we therefore have to be precise which terminology we use for our data. These proxies are represented by different stock indices, which are presented in detail in section 3.1. As long as we use stock-indices as proxies we, of course, do not analyze an alternative investment directly but assume the proxies to be directly linked to the real alternative investment. When we do so, we define this proxy as stocks linked to alternative investment categories.

[34] Cf. Sokołowska 2016, Bundesverband Alternative Investments e.V. 2020.
[35] Cf. Anson 2006.
[36] See, for example, Jaggi et al. 2011, Cumming et al. 2014, Jacobs et al. 2014, Platanakis et al. 2018.

2.2. Literature Overview

2.2.1. Alternative Investments in Portfolios

This chapter is devoted to the literature on alternative investments. In line with the scope of the thesis, we present studies of alternative investments dealing with the investigation of their risk behavior, impacts on portfolios, how they are modeled and forecast, and their behavior in terms regulation and law. Finally, we provide a short overview of other fields of research, such as liquidity aspects of alternative investments or using them as hedge instruments. This chapter illustrates the different approaches to alternative investments and highlights the research gap.

Various studies on the benefits of adding specific alternative investments to portfolios were carried out in the late 1990s and early 2000s, e.g., see Fung and Hsieh[37], Amin and Kat[38], and Agarwal and Naik[39] for Hedge Funds; Akey for commodities[40]; Black[41] for volatility; and Hung et al.[42] for real estate. Additionally, there was intense research about the role of hedge funds in traditional portfolios, e.g., by Amenc and Martinelli[43] in 2002 or Gueyié and Amvella[44] in 2006. Further investigations in the portfolio context where undertaken on the diversification effect of alternative investments on equity and bonds, e.g., see Hafner and Wallmeier's[45] or Hoevnaars et al.'s [46] studies. In contrast to that, Pézier and White's 2008 paper pointed out the relative merits of alternative assets in passive portfolios.[47]

Sa-Aadu et al. found that there are real economic benefits when investors extend their portfolio of assets to include alternative assets (corporate bonds, small cap stocks, commodities and precious metals, international stocks and real estate). In addition, they

[37] Cf. Fung and Hsieh 1997.
[38] Cf. Amin and Kat 2003.
[39] Cf. Agarwal and Naik 2004.
[40] Cf. Akey 2005.
[41] Cf. Black 2006.
[42] Cf. Hung et al. 2008.
[43] Cf. Amenc and Martellini 2002.
[44] Cf. Gueyié and Amvella 2006.
[45] Cf. Hafner and Wallmeier 2007.
[46] Cf. Hoevenaars et al. 2007.
[47] Cf. Pézier and White 2008.

pointed out that the attractiveness of an asset class in a portfolio context depends on the timeliness of the gains in portfolio performance.[48]

Jaggi et al. in 2011 provided a methodology to combine long-only traditional asset classes with an active component. In this regard, they introduced traditional indices, represented by bonds, credits, equities, real estate commodities and emerging markets, and alternative indices, represented by hedge fund indices, which stands in contrast to our definition of alternative investments. With exception to bonds, they introduced, for each traditional index, an appropriate hedge fund index representing the "active component" for the portfolio, e.g., they presented the S&P Commodity Index as the traditional index and the Commodity Hedge Fund Index as an alternative complement. They provided a substitution approach which looked at hedge funds in the context of the underlying markets in which they operate. Their conclusion was that the substitution approach leads to results similar to an optimization approach in which the hedge fund portfolio is optimized as a stand-alone investment class and then added to the traditional portfolio.[49]

In 2014, Cumming, Haß, and Schweizer investigated a strategic asset allocation that can incorporate the special characteristics of alternative investments. Therefore, they dealt with a variety of alternative investments, e.g., commodities, private equity, hedge funds, and real estate. Additionally, they applied a goal function to examine real investors' preferences. The authors highlighted the fact that return distributions of alternative investments have significantly higher moments that the standard deviation does not cover. As such, every standard method for portfolio optimization is likely inaccurate for alternative investments. Their further investigation was founded on the construction of strategic asset allocation, taking into account the special distribution properties of the alternative investments and the investor's objective. Their key result was that their approach outperforms the classic Markowitz mean-variance-approach and provides robust results.[50]

Jacobs et al. evaluated numerous diversification strategies as a remedy against the widespread costly investment mistakes of individual investors. Based on their results, they revealed that a broad range of simple heuristic allocation schemes offer similar

[48] Cf. Sa-Aadu et al. 2010.
[49] Cf. Jaggi et al. 2011.
[50] Cf. Cumming et al. 2014.

diversification gains, such as well-established or recently developed portfolio optimization approaches. The authors concentrated on eurozone individual investors and incorporated stocks, bonds and commodity futures in their analysis. They excluded real estate, hedge funds and private equity because other authors, such as Amin and Kat[51] in 2003, found their diversification potential in the multi-asset case to be limited. Secondly, they could not identify indices that met their selection criteria.[52]

Alexander et al. in 2016 investigated the diversification effects of volatility products and commodity futures. They found that long equity and bond portfolios diversified with volatility futures have not performed as well as those without diversification, or even those diversified with commodities.[53] In the same year, Jackwerth and Slavutskaya discovered that the inclusion of alternative assets in pension fund portfolios yielded positive effects. They did this by measuring the Manipulation Proof Performance Measure of pension fund portfolios without additional alternative assets, selling 10% in proportion to the portfolio and investing this 10% into alternative assets.[54]

In line with Pézier und White[55], Platanakis et al. in 2018 found harmful diversification effects for US Investors when adding five alternative investments (real estate, commodities, hedge funds, emerging markets and private equity) to equity and bonds portfolios. They used 19 portfolio models in conjunction with dummy variable regressions to investigate the harm. To do so, they formed eight portfolio types of mean-variance-analysis, eight of ad hoc model and three models maximizing a utility function with three levels of risk aversion, thereby connecting to the approach followed in Cumming et al.'s 2014 study. Their key finding was that harmful diversification is not primarily due to transaction costs or non-normality, but to estimation risk. This effect is larger for alternative assets during the credit crisis (real estate, private equity, and emerging markets) and stays for commodities and hedge funds even when the crisis is excluded.[56]

[51] Cf. Amin and Kat 2003.
[52] Cf. Jacobs et al. 2014.
[53] Cf. Alexander et al. 2016.
[54] Cf. Jackwerth and Slavutskaya 2016.
[55] Cf. Pézier and White 2008.
[56] Cf. Platanakis et al. 2018.

In recent years, extensive research has been carried out in the field of cryptocurrencies and their behavior in traditional and mixed portfolios. Brière et al. in 2015 analyzed Bitcoin with a diversified portfolio that included both traditional and alternative investments and found that Bitcoin offers significant diversification benefits.[57] Pinudom et al. in 2018, using a multivariate t-copula based on GARCH, investigated the effect of adding Bitcoin to a portfolio of the crude oil price index, the stock exchange of Thailand (SET) price index, the exchange rate between Thai and USD, and the Thai government bond compound with treasurer bill. They found that by adding more Bitcoin into the portfolio the return and risk of the asset increased.[58] Elizabeth and Kumar in 2018 analyzed the performance and interdependency of cryptocurrencies.[59] In the same year, Klein, Thu and Walther investigated whether Bitcoin behaves like gold in terms of volatility, correlation and portfolio performance. They concluded that Bitcoin behaves as the exact opposite of gold.[60]

Guesmi et al., using different multivariate GARCH specifications, investigated the proprieties of Bitcoin and examined the conditional cross effects and volatility spillover between Bitcoin and financial indicators. They found that VARMA(1,1)-DCC-GJR-GARCH is the best-fit model for modeling the joint dynamics of a variety of financial assets and that hedging strategies involving gold, oil, equities and Bitcoin reduce the portfolio's risk, as compared to the risk of the portfolio without the cryptocurrency.[61] Symitsi and Chalvatzis showed that there are significant diversification benefits to including Bitcoins in a portfolio of traditional and alternative assets which are not offset by its high volatility. Additionally, they found evidence that Bitcoin can even lead to significant reduction of the overall portfolio risk.[62]

[57] Cf. Brière et al. 2015.
[58] Cf. Pinudom et al. 2018.
[59] Cf. Kumar et al. 2018.
[60] Cf. Klein et al. 2018.
[61] Cf. Guesmi et al. 2018.
[62] Cf. Symitsi and Chalvatzis 2019.

2.2.2. Modeling Alternative Investments using GARCH

It is possible to utilize several approaches in GARCH modeling. This section discusses the theoretical studies first and then the empirical studies.

The Autoregressive Conditional Heteroskedasticity model was introduced by Engle[63] in 1982 and the extension to GARCH models by Bollerslev[64] in 1986. These theoretical approaches are further explained in section 4.4. Additional expansions were examined by Bollerslev[65], with the Student-t GARCH model, Nelson[66], with the EGARCH model, and Glosten et al.[67], with the GJRGARCH model. Other notable additions that were made in other directions included, e.g., the TGARCH model of Zakonian or the extensions of Bollerslev et al.[68], Bollerslev et al.[69] and Engle[70].

Further theoretical studies were provided by Hansen and Lunde. For example, in 2005 they investigated whether sophisticated volatility models beat the parsimonious model GARCH(1,1). To this end, they compared 330 ARCH-type models in terms of their ability to describe the one-day-ahead conditional variance for DM-$ exchange rate and IBM return data. They evaluated their results with six different loss functions (MSE, QLIKE, MAE, MSE, R^2LOG and MAE). For the DM-$ exchange rate, they found that the GARCH(1,1) model was superior to all others; however, in the analysis of IBM returns it was clearly outperformed.[71]

Several studies deal with different models of the GARCH-family applied to alternative investments. The following sections introduce the most important literature relevant to this thesis regarding several alternative investment classes and the use of various GARCH models. These sections aim to provide a broad overview of the different research fields regarding GARCH. Hence, we also present papers concerning GARCH-models that are not part of this thesis.

[63] Cf. Engle 1982.
[64] Cf. Bollerslev 1986.
[65] Cf. Bollerslev 1987.
[66] Cf. Nelson 1991.
[67] Cf. Glosten et al. 1993.
[68] Cf. Bollerslev et al. 1992.
[69] Cf. Bollerslev et al.1994.
[70] Cf. Engle 2004.
[71] Cf. Hansen and Lunde 2005.

For commodities, Sun modeled equity return in 2017 using a hybrid ARIMA-GARCH Model. He investigated Dow Transportation, S&P 500 and VIC and provided a hybrid ARIMA-GARCH model describing the return data. For the model fitting procedure, he used the Akaike Information Criterion (AIC).[72]

In 2019, De la Torre-Torres et al. tested Markov-switching GARCH (MSGARCH) models for trading either oil or natural gas futures and found that the use of the MSGARCH with fixed time variance leads to best performance in the oil market. For natural gas they found no benefits of using their trading rule against a buy-and-hold strategy for three-month U.S. Treasury bills. The following year, De la Torre-Torres et al.[73] also investigated MSGARCH in the context of coffee, cocoa, and sugar futures. They found that Student-t MSGARCH models are appropriate for active trading in cocoa futures, while Gaussian MSGARCH models are appropriate for sugar futures. For coffee, the MSGARCH displayed no evidence.[74]

Paraschiv, Reese, and Skjelstad constructed a portfolio of commodity futures which mimics the Dow Jones Commodity Index and performed a stress-testing exercise in line with Basel IV in 2020. For the distribution of portfolio component returns, they modeled an asymmetric AR-GARCH model combined with Extreme Value Theory for extreme tails and employed multivariate copula functions to model time-varying joint dependence structure.[75]

In the same year Vartanian evaluated the contagion of volatility between the commodity prices and the main stock Index of Brazil (Ibovespa) through a multivariate GARCH model to verify the possibility of diversification.[76]

The more recent studies on alternative investments in terms of GARCH models deal mainly with cryptocurrencies. Especially in the context of our thesis, this topic is important since, to the best of our knowledge, no author before has proven whether a

[72] Cf. Sun 2017.
[73] Cf. La Torre-Torres et al. 2020.
[74] Cf. La Torre-Torres et al. 2019.
[75] Cf. Paraschiv et al. 2020.
[76] Cf. Vartanian 2020.

GARCH model, which works for other alternative investments, also works for the research field of cryptocurrency.

In 2014, Glaser et al. used the ARCH and GARCH(1,1) approach for investigating user intentions when changing their domestic currency into a digital one. They found that users mainly use Bitcoins as an alternative investment vehicle.[77] In the same year, Gronwald used a jump-intensity GARCH model for analyzing Bitcoin data and found that this model clearly outperforms a GARCH(1,1).[78]

Dyhrberg investigated in 2016 how the return on Bitcoin behaves in terms of the variance of the assets when compared to the gold price and the dollar-euro exchange rate. For this, she introduced two models to investigate the similarities between Bitcoin, gold, and the dollar. Using the asymmetric GARCH model, she demonstrated that Bitcoin may be useful in risk management and ideal for risk averse investors in anticipation of negative shocks to the market.[79]

Bouoiyour and Selmi investigated in the same year EGARCH, Asymmetric Power ARCH, weighted GARCH and component GARCH models with multiple thresholds for Bitcoin data, answering the question whether there is a beginning of a mature crypto-market, or a calm period that precedes upheaval. For model evaluation, they used daily data and in-sample criteria such as the Akaike information criterion (AIC), the Bayesian information criterion (BIC) and the Hannan-Quinn information Criterion (HQC). They found that the Bitcoin market is far from mature.[80]

Katsiampa in 2017 pointed out that all the previous authors, excepting Bouoiyour and Selmi, who compared different models, left one question unanswered: namely, which model can better describe Bitcoin data? To answer this question, she investigated GARCH, EGARCH, TGARCH, Asymmetric Power ARCH, Component GARCH and Asymmetric Component GARCH models, finding that the ACGARCH model fits best. In line with Bouoiyour and Selmi, she used AIC, BIC and HCQ for model evaluation.[81]

[77] Cf. Glaser et al. 2014.
[78] Cf. Gronwald 2014.
[79] Cf. Dyhrberg 2016.
[80] Cf. Bouoiyour and Selmi 2016.
[81] Cf. Katsiampa 2017.

Chu et al. considered more than one cryptocurrency and investigated twelve GARCH models in 2017. These models had innovation process distributions that were taken to be one of the following: a normal distribution, skew normal distribution, Student's t-distribution, skew Student's t-distribution, skew generalized error distribution, normal inverse Gaussian distribution, generalized hyperbolic distribution, or Johnson's SU distribution. For evaluation purposes, they used AIC, BIC, Consistent AIC, corrected AIC, and HQN. They found that, with normal innovations, IGARCH(1,1) yields the smallest AIC for Bitcoin, Dash, Litecoin, MaidSafeCoin and Moncro, whereas GJRGARCH(1,1) and GARCH(1,1) yield the smallest AIC for Dogecoin and Ripple.[82]

Fakhfekh and Jeribi investigated in 2020 sixteen of the most popular cryptocurrencies using five GARCH models with different error distributions. They found that the majority of cryptocurrencies turn out to be effectively modulated via TGARCH with double exponential distribution.[83]

In contrast to the previous authors, there are several approaches used for testing further extensions to GARCH models in the cryptocurrency context. Caporale and Zekoh sought to find the best model set, explaining the volatility of the most popular cryptocurrencies (Bicoin, Etherum, Ripple, Litecoin) using a Markov-switching GARCH model whose parameter could change over time. They fitted more than 1000 GARCH models to the log returns of the exchange rates of these cryptocurrencies to estimate a one step-ahead prediction of value at risk and expected shortfall. In contrast to this thesis, the authors based their analysis on a rolling window basis. To evaluate their results, they used the backtesting results of value at risk and expected shortfall and a Model Confidence Set procedure for their loss functions.[84]

In 2018, Troster et al. performed a general GARCH and GAS analysis for modeling and forecasting Bitcoin returns and risk, and compared out-of-sample 1% value at risk forecasts under 45 different specifications using three backtesting procedures. They introduced EGARCH, APARCH, GJRGARCH, T-GARCH, CGARCH, NGARCH, and H-GARCH models with normal, Student-t, Skewed t-Student, Johnson's Reparametrized SU, and generalized error distribution. They found that GAS models with heavy-tailed

[82] Cf. Chu et al. 2017.
[83] Cf. Fakhfekh and Jeribi 2020.
[84] Cf. Caporale and Zekokh 2019.

distributions provide the best out-of-sample forecast and goodness-of-fit properties to Bitcoin returns and risk modeling.[85]

Regarding REITS, Devaney investigated in 2001 the return generating process of real estate investments trusts (REIT) by employing the generalized autoregressive conditionally heteroskedastic in the mean (GARCH-M) methodology.[86] Sing, Tsai, and Chen used in 2007 a Markov-switching autoregressive conditional heteroskedasticity (MS-GARCH) model to filter out high volatility states from low and medium volatility states and found that volatility persistence increases the returns of EREITS (equity real estate investment trust).[87] Zhou and Kang compared in 2011 several well-known models to forecast REIT volatility: simple symmetric and asymmetric GARCH models, considered as GARCH-class; post-GARCH models, considered as stochastic volatility (SCV); Fractionally Integrated GARCH (FIGARCH) models; Fractionally Integrated Exponentially GARCH (FIEGARCH) models; and Fractionally Integrated ARMA models. They used daily REITS total return indices and measured the forecast accuracy with root mean squared error and mean absolute error, comparing them over six forecast horizons. They found that the long-memory models (ARFIMA & FIGARCH) outperformed the short memory models (GARCH and SV).[88] Kawaguchi, Sa-Aadu, and Shilling examined in 2017 the volatility implications of equity REIT stock returns and found a negative leverage effect in the pre- and post-Greenspan era using different GARCH models.[89]

Another field of research considers emerging markets, which are not going to be analyzed in this thesis but present relevant results we can refer to in our empirical work. 2017 Ekong and Onye investigated six sets of symmetric and asymmetric GARCH-family models of stock return volatility in Nigeria. In addition, and in contrast to Zhou and Kang, they took three different error distributions into consideration (normal, Student's t- and generalized error distribution). They evaluated their results, like Zhou and Kang, with the root mean squared error and Thiel's Inequality coefficient. GARCH(1,1) and augmented

[85] Cf. Troster et al. 2018.
[86] Cf. Devaney 2001.
[87] Cf. Tsai et al. 2007.
[88] Cf. Zhou and Kang 2011.
[89] Cf. Kawaguchi et al. 2017.

EGARCH(1,1) in generalized error distribution were found to provide the best forecasting capability.[90]

2.2.3. Alternative Investment and Risk

Pedersen et al. investigated in 2014 solutions to measure mark-to-market risk in alternative and illiquid investments. They categorized alternative investments as private equity, real assets (e.g., real estate, farmland, infrastructure, and hedge funds), and exotic beta strategies. Their main result was that alternative investments are exposed to many of the same risk factors that drive stock and bond returns.[91]

Stavroyiannis investigated in 2017 the value at risk and expected shortfall properties for the major digital currencies: Bitcoin, Ethereum, Litecoin, and Ripple. He found that these cryptocurrencies are subject to higher risk, higher sufficient buffer, and risk capital.[92] Moreover, Borri estimated in 2019 the conditional tail-risk using CoVaR in the markets for Bitcoin, Ether, Ripple, and Litecoin and found that these cryptocurrencies are highly exposed to tail-risk within cryptomarkets, although they are not exposed to tail-risk for other global assets, like the U.S. equity market or gold.[93]

2.2.4. Alternative Investments and Law

In 2012, Cumming et al. investigated whether financial regulation can impact performance persistence in the context of the hedge fund industry in 48 countries from 1994-2008. They showed that minimum capital restrictions, as well as restrictions on the location of key service providers and distribution channels, decrease the likelihood of persistence.[94] Cumming and Zambelli investigated in 2013 the impact of excessive regulation on private equity returns and firm performance.[95] In 2017, Tokarevich and Jüttner discussed whether a structuring of alternative investments leads to a reduction of regulatory requirements when considering the Look-Through-Approach of Solvency II.[96]

[90] Cf. Ekong and Onye 2017.
[91] Cf. Pedersen et al. 2014.
[92] Cf. Stavroyiannis 2017.
[93] Cf. Borri 2019.
[94] Cf. Cumming et al. 2012.
[95] Cf. Cumming and Zambelli 2013.
[96] Cf. Tokarevich and Jüttner 2017.

Cumming et al. analyzed in 2019 the Security and Exchange Commission's initial statements and subsequent pronouncements on ICOs to illustrate the potential problems with applying an older legal framework to an ever-evolving ecosystem. Additionally, they discussed the importance of regulation of the crypto asset class and internal collaboration between government agencies and developers in the establishment of an ecosystem that integrates investor protection and investments.[97]

2.2.5. Further Fields of Research

Several further fields of research examine single alternative investments. For the sake of completeness, we present some of these research fields and studies. For example, some studies on gold have analyzed whether it could be used as hedge instrument: In this regard, Baur and McDermott investigated in 2010 whether gold is a safe haven and examined the role of gold in the global financial system. They found that it was a hedge and a safe haven for major European stock markets and the US but not for Australia, Canada, Japan, and large emerging markets such as the BRIC countries.[98] In 2018, Shakil et al. investigated a comparable research question, namely whether gold is a hedge or safe haven. For their analysis, they used an autoregressive distributed lag model and found that gold is useful as a portfolio hedge and as a hedge against inflation.[99]

Some authors have dealt with direct alternative investments like wine and art. Campbell investigated art as financial investment,[100] whereas Aytac et al. analyzed wine as a financial asset in the diversification of French investors' portfolios. The latter concluded that French investors, based on their findings, should invest in wine since they recorded high portfolio performance.[101]

Other empirical studies have examined alternative investments regarding other topics than those examined in this thesis. For example, Jurek and Stafford analyzed the cost of capital for alternative investments and found that the high excess returns to hedge funds and put-writing are consistent with an equilibrium in which a small subset of investors

[97] Cf. Cumming et al. 2019.
[98] Cf. Baur and McDermott 2010.
[99] Cf. Shakil et al. 2018.
[100] Cf. Campbell 2007.
[101] Cf. Aytaç et al. 2016.

specialize in bearing downside market risks.[102] Kräussl et al. demonstrated that pension funds' allocations to alternative assets have increased rapidly during the last decade, consistent with the search for yield in a low-interest rate world.[103] Furthermore, Peterson explained why the adoption of a time-weighted rate of return methodology as a performance measure for illiquid, private investments is misguided.[104]

This brief description was only intended to illustrate that there are many more research fields concerning alternative investments. We do not go into further detail here, as this would not contribute to the overall result of the work.

What becomes clear throughout the chapter is that there is no broadly agreed-upon way to research the topic of alternative investments that provides a comprehensive basis for comparison. The following chapters show how we close this research gap for banks as an investor.

[102] Cf. Jurek and Stafford 2015.
[103] Cf. Kräussl et al. 2017.
[104] Cf. Peterson 2016.

3. Data and Methodology

3.1. Data

3.1.1. Choice of Data

To provide a precise and broad overview of alternative investment classes, we analyze the following alternative investment categories: traditional investments, commodities, cryptocurrencies, private equity, emotional investments, energy, infrastructure, various datasets here titled with "other", and real estate, more specifically, REITS. As Sokolowska stated, alternative investments are characterized by infrequent transactions and, thus, lower liquidity, which makes data collection more difficult. In line with other authors,[105] we face this problem by using proxies, which are explained in more detail below. These proxies cover the following asset classes: stocks, bonds, cryptocurrency, futures, private equity and stocks linked to alternative asset categories. One exception is REITS, which is why it is found at the end of the above-mentioned enumeration. Although here we take stock index proxies for REITS, which is why we speak strictly of stocks linked to alternative asset categories, one might argue that this is an own asset class since these indices exactly represent what REITS are, namely investing in companies that take money for the purchase of real estate. But as we have more than one dataset in this category, we speak strictly of stocks linked to alternative asset categories. The same is true for our private equity proxy, which consists exclusively of private equity companies and, as no other datasets are added, is therefore considered a separate asset class.

Following the Basel IV[106] regulatory requirements, we concentrate, where possible, on European data since we assume an investor to be a European bank. Except for Dow Jones Commodity Data, all data are presented in euros. To keep the whole sample homogenous and unbiased, only total price indices are considered and total return indices are excluded. The data used in this thesis come from Thomsen Reuters Datastream and Yahoo Finance and consist of daily values over the period from October 2013 to February 2019. Our sample starts from October 2013 because cryptocurrency data, especially Litecoin, used here in this thesis, are not available for an earlier period. For all data, a minimum time

[105] See, for example, Jaggi et al. 2011, Cumming et al. 2014, Jacobs et al. 2014, Platanakis et al. 2018.
[106] Cf. Basel Committee on Banking Supervision 2019.

span of about five years should be available; only Litecoin and Bitcoin were able to provide this. For backtesting purposes, we split our sample into in-sample and out-of-sample groups, with the former starting on 2 October 2013 and ending 31 August 2018, and the latter starting on 1 September 2018 and ending 28 February 2019.

To investigate the above-mentioned alternative investment categories, we analyze the following 39 proxies:

Traditional investments

The traditional investments are represented by stocks and bonds. To keep the European restriction, we use the STOXX Europe Total Market index as proxy for stocks and the German REX for as proxy for bonds.

Dow Jones commodity futures

Dow Jones commodity future price indices were chosen as proxies for commodities. We regard the European restriction as being fulfilled since these futures are traded on exchanges in developed countries, which include European states, too.[107] The following commodities are investigated:

- Natural Gas
- Petroleum
- Wheat
- Soybeans
- Coffee
- Sugar
- Cocoa
- Cotton
- Cattle
- Lean Hogs
- Aluminum

[107] The developed country designation is based on the S&P Developed BMI index S&P Dow Jones Indices LLC 2020.

- Copper
- Lead
- Nickel
- Zinc
- Silver
- Gold

Cryptocurrencies

Cryptocurrencies are represented by Bitcoin and Litecoin. Cryptocurrency data are taken from Yahoo Finance. Only data represented in euro is used.

Private Equity

Private Equity is represented by the DAXsubsector All Private Equity & Venture Capital index. This index only includes German private equity companies, which is why it meets the European restriction.[108]

Emotional investments, energy, infrastructure, various datasets, and real estate

To account for these alternative investment categories, we chose different sub-indices of the STOXX Europe Total Market index as proxies, representing our stocks linked to alternative asset categories. We assume that the index values are directly connected to the movement of the physical alternative assets. For the models, we investigate each time series on a standalone basis. STOXX Europe Total Market indices are split into 10 industries, which are divided into 19 supersectors, 41 sectors and 114 subsectors.[109] In this thesis we focus on data at the sector level and investigate the following:

- Oil and Gas Producers (Infrastructure)
- Oil Equipment Services and Distribution (Infrastructure)
- Airlines (Infrastructure)
- Industrial Transportation (Infrastructure)
- Fixed Line Telecommunication (Infrastructure)

[108] Cf. Qontigo Index GmbH 2020.
[109] See STOXX Ltd. 2020b, p. 294 for a comprehensive overview.

- Mobile Telecommunication (Infrastructure)
- Electricity (Infrastructure)
- Gas Water and Multi-utilities (Infrastructure)
- Alternative Energy (Energy)
- Automobile and Parts (Emotional investments)
- Beverages (Emotional Investments)
- Real Estate Investments and Services (Real Estate)
- Real Estate Investments Trusts (Real Estate)
- Software and Computer Services (Other)
- Technology Hardware and Equipment (Other)
- Chemicals (Other)
- Forestry Paper (Other).[110]

For the sake of completeness, we also consider airlines, which are part of the Infrastructure category and are represented by a subsector of the sector Travel and Leisure.

As stock indices themselves belong to traditional asset classes and are sub-indices of the STOXX Europe Total Market index, our proxy for stocks, we regress the sub-indices of the STOXX Europe Total Market index and take the remaining errors as proxy for the portfolios.

[110] Cf. STOXX Ltd. 2020b, p. 295; A detailed overview about the companies within one index can be viewed on the website of STOXX Ltd. 2020a.

For coding purposes, we abbreviate the above-mentioned datasets as follows:

Title in Datastream / Yahoo Finance	Abbreviation
Dow Jones Commodity All Cattle	DJAC
Dow Jones Commodity Index Aluminum	DJAL
Dow Jones Commodity Index Cocoa	DJCC
Dow Jones Commodity Index Coffee	DJCF
Dow Jones Commodity Index Copper	DJCP
Dow Jones Commodity Index Cotton	DJCT
Dow Jones Commodity Index Lead	DJLE
Dow Jones Commodity Index Gold	DJGO
Dow Jones Commodity Index Nickel	DJNI
Dow Jones Commodity Index Silver	DJSI
Dow Jones Commodity Index Sugar	DJSU
Dow Jones Commodity Index Wheat	DJWE
Dow Jones Commodity Index Zinc	DJZI
Dow Jones Commodity Lean Hogs	DJLH
Dow Jones Commodity Natural Gas	DJNG
Dow Jones Commodity Petroleum	DJPE
Dow Jones Commodity Soybeans	DJSO
STOXX EUROPE TM FORESTRY & PAP E	SEFP
STOXX EUROPE TM ELECTRICITY E	SEEC
STOXX EUROPE TM FXD LINE Y/CM E	SEFL
STOXX EUROPE TM GS/WT/MUL UTIL E	SEUT
STOXX EUROPE TM INDS TRANSPT E	SETR
STOXX EUROPE TM MOBILE T/CM E	SEMO
STOXX EUROPE TM OIL & GAS PROD E	SEOG
STOXX EUROPE TM OIL/EQ SVS/DST E	SEOE
STOXX EUROPE TM AIRLINES E	SEAI
STOXX EUROPE TM R/E INV & SVS E	SEIS
STOXX EUROPE TM REITS E	SERE
STOXX EUROPE TM ALT ENERGY E	SEAE
STOXX EUROPE TM SOFTWARE E	SESO
STOXX EUROPE TM TCH H/W & EQ E	SETE
STOXX EUROPE TM BEVERAGES E	SEBE
STOXX EUROPE TM E	SEET
STOXX EUROPE TM CHEMICALS E	SECH
STOXX EUROPE TM AUTO & PARTS E	SEAP
Bitcoin	BITC
Litecoin	LITC
REX	GREX
DAX-subsector All Private Equity & Venture Capital	DAXP

Table 1: Abbreviations for the different time series

We do not analyze hedge funds in this thesis. The only price index for hedge funds that includes European data is Eurekahedge.[111] Data for this index, however, are available on a monthly and not on a daily basis. Since we analyze a five-year period, the data basis is not sufficient for models. In line with Jacobs et al.,[112] we did not find any other index for hedge funds meeting our selection criteria for a European investor. We sought to keep the dataset as homogenous as possible; therefore, we did not consider an extra data source or non-European data. Another reason for this can be attributed to Cumming et al., who emphasized that hedge fund time series may be subject to survivorship bias, which needs an adjustment too. To deal with this problem, they argued that, as their dataset contained a fund of hedge funds index, its performance would not be affected by this bias and, therefore, did not make any adjustments.[113] The index they used was non-European and consisted of monthly data. As one goal of this thesis is to provide the most homogenous dataset possible, we only accepted datasets with daily observations to avoid rescaling and the data therefore becoming a source of data manipulation.

[111] Cf. EUREKAHEDGE PTE LTD. 2020.
[112] Cf. Jacobs et al. 2014.
[113] Cf. Cumming et al. 2014.

Table 2 provides an overview of the 39 datasets.

AI Asset Category	Traditional Investment	Traditio-nal Invest-ment	Com-modities	Crypto	Private Equity	Emotional Investments	Energy	Infrastructure	Other	Real Estate
Asset class	Stocks	Bonds	Futures	Crypto Currency	Private Equity	Stocks linked to alternative asset categories	Stocks linked to alternative asset categories	Stocks linked to alternative asset categories	Stocks linked to alternative asset categories	Stocks linked to alternative asset categories
Data Source	Data-stream	Data-stream	Data-stream	Yahoo Finance	Data-stream	Data-stream	Data-stream	Data-stream	Data-stream	Data-stream
Index	EURO STOXX	REX	Dow Jones	Crypto Currency	DAX	EURO STOXX	EURO STOXX	EURO STOXX	EURO STOXX	EURO STOXX
Cur-rency	EURO	EURO	US-Dollar	EURO	EURO	EURO	EURO	EURO	EURO	EURO
Dataset	STOXX Europe Total Market	REX	Wheat Soybeans Coffee Sugar Cocoa Cotton Cattle Lean Hogs Aluminum Copper Lead Nickel Zinc Silver Gold Natural Gas Petroleum	Bitcoin Litecoin	DAX-subsector All Private Equity & Venture Capital	Automobile and Parts Beverages	Alternative Energy	Oil and Gas Producers Oil, Equipment Services and Distribution Industrial Transportation Fixed Line Tele-communication Mobile Tele-communication Electricity Gas, Water and Multiutilities Airlines	Chemicals Forestry Paper Software and Computer Services Technology Hardware and Equipment	Real Estate Investments and Services Real Estate Investments Trusts

Table 2: Overview of the 39 time series used in the thesis

The whole raw data are represented in the digital appendix of this thesis in the folder DATASETS. For the Parkinson estimator, which is explained in subsection 4.4.5.2., high and low daily prices are indicated where necessary. Therefore, we provided an extra data sheet where these data are presented. The R coding and the results for each of the following calculation steps are represented in the digital appendix of this thesis, too, in folders A-T. For illustrating purposes, we use the dataset Electricity as our illustrative thesis example.

3.1.2. Missing Data and Different Currencies

As it has two different data sources and uses both European and American exchanges and currencies, the sample faces two problems. First, missing data appear in the form of weekends and different holidays.[114] In contrast to the cryptocurrencies, which are only missing the last Sunday in October, Dow Jones, the STOXX Europe Total Market index, Rex, and DAXsubsector All Private Equity & Venture Capital provide no weekend data. Also, European and American holidays differ.[115] Second, the Dow Jones Data are represented in US dollars, while all other data are represented in euros.

The issue of missing data has been well-studied. Indeed, because data processing and analysis steps often rely on complete datasets, missing values are known to lead to several problems. As we seek to find an overall model for the 39 different time series, a comprehensive and homogenous sample is essential. Therefore, for the dataset used in this thesis, we decided to replace the missing values with reasonable values using imputation techniques, thereby avoiding inefficiencies, biases, and a non-homogenous dataset.

Much research has been carried out in this statistical field. Often cited are Rubin's[116] discourses on inference and missing data and his multiple imputation technique and Dempster's[117] Expectation-Maximization. However, besides imputation techniques, many researchers handle the missing observations as a given and treat them as equally spaced consecutive observations, irrespective of their actual spacing in time, as Datta and Du[118] or Edem et al.[119] point out. Inefficiencies and biases occur when using ad hoc methods like listwise deletion or best guess imputation. This phenomenon has been highlighted by both Datta und Du[120] and Honaker and King[121] even for political data and has been underlined by the most recent research on imputation methods using R[122] and

[114] Datastream issues the same data for every consecutive holiday. This depends on its download settings. Users receive either the same value or an NA (not applicable). For this thesis, the same value method was used. This is a known phenomenon in Datastream (cf. Erasmus University Library 2014).
[115] The missing data can be seen in the original data source.
[116] Cf. Rubin 1987.
[117] Cf. Dempster et al. 1977.
[118] Cf. Datta and Du 2012
[119] Cf. Edem et al. 2018.
[120] Cf. Datta and Du 2012.
[121] Cf. King and Honaker 2010.
[122] See, for example, Moritz and Bartz-Beielstein 2017, Beck et al. 2018 or Moritz 2015.

several conference papers[123]. The focus in recent research on the weaknesses of using ad hoc methods strengthens our decision to implement an imputation technique approach.

In addition to imputation techniques, the missing data mechanism must also be taken into consideration, as Rubin already examined.[124] Missing data mechanisms can be divided into "missing completely at random" (MCAR), "missing at random" (MAR) and "not missing at random" (NMAR), as both Rubin[125] and Rubin and Little[126] have remarked. In MCAR there is no systematic mechanism that explains how data are missing. This means that the missing observations are independent of the variable values and the observation itself. In MAR, the probability of missing values is also independent of the observation itself but not independent of the point in time of the series. In NMAR, observations are not missing at random and the missing value depends on the value itself.[127] Since the missing values in this dataset depend on the point of time but not the observation itself, it is clear that MAR applies. Rubin points out that the missing data mechanism is ignorable for the MCAR and MAR case, which is why we do not take it into consideration for the imputation technique used in this thesis.[128]

The missing data problem, described above, leads to an investigation of the so-called "weekend effect" discussed in the literature. We present this here in a brief summary for the sake of completeness. The weekend effect refers to the fact that relatively large returns appear on Fridays compared to those on Mondays. This seems to be an anomaly since Monday returns span three days; one would expect higher returns on a Monday because of the longer period and the greater risk.[129] The weekend effect was recognized in 1931 by Field.[130] Half a century later, French investigated both the calendar time hypothesis, where the process of generating stock returns operates continuously and the expected return for Monday is three times the expected return for other days of the week, and the trading time hypothesis, where returns are generated only during active trading and the expected return is the same for each day of the week. He discovered that neither

[123] See, for example, Resende et al. 2016 or Kwon 2018.
[124] Cf. Rubin 1976.
[125] Cf. Rubin 1976.
[126] Cf. Little and Rubin 2002.
[127] A good overview is given by Moritz 2015.
[128] Cf. Rubin 1976.
[129] Cf. Sewell 2011.
[130] Cf. Fields 1931.

hypothesis was true and the average for Monday was significantly negative.[131] The negative average return on Monday was confirmed by many other authors.[132] There is similar evidence for the so-called holiday effect, suggesting that there is a tendency for the market to do well on any day which precedes a holiday.[133] This has also investigated by various authors, including Fields[134], Ariel[135], and Dzhabarov and Ziemba[136]. While these effects could lead one to favor the deletion of the missing values in the dataset used in this thesis, we will use an imputation technique as it is in line with both Datta und Du[137] and our homogenous dataset approach.

For data imputation we implement a technique already used in the literature. Moritz et al. investigated three categories of imputation techniques for univariate time series: first, univariate algorithms working with univariate inputs, like mean, mode, median or random sample, which do not employ the character of the time series; second, univariate time-series algorithms, also working with univariate inputs but making use of time-series characteristics like last/next observation carried forward or linear interpolation; and third, multivariate algorithms on lagged data. Since time is an implicit variable for time series, it is possible to add time information as covariates for applying multivariate imputation algorithms using lags and leads.[138] The authors used four different datasets (airline passengers, S&P Composite Index, daily return of Google stocks and monthly beer sales in millions of barrels) to examine the techniques. As we impute the missing values of the original dataset in this thesis, we concentrate on their S&P Composite Index results. We impute the values of the original datasets and not the missing returns for two reasons: firstly, as Moritz et al. found in their different examinations of Google stock returns,[139] it is more difficult to find an appropriate imputation method since log returns of prices are assumed to be stationary and have white noise properties; secondly, during the return calculation, we would produce at least two extra missing values per week. This is because two missing weekend data points do not allow for a correct log return calculation.

[131] Cf. French 1980.
[132] See, for example, Gibbons and Hess 1981, Jaffe and Westerfield 1985, Lakonishok and Smidt 1988, Agrawal and Tandon 1994, Rubinstein 2001, Keef et al. 2009.
[133] Cf. Sewell 2011.
[134] Cf. Fields 1934.
[135] Cf. Ariel 1990.
[136] Cf. Dzhabarov and Ziemba 2010.
[137] Cf. Datta and Du 2012.
[138] Cf. Moritz 2015, p. 8.
[139] Cf. Moritz 2015, p. 15.

Moritz et al. simulated both missing values with the MCAR mechanism and an adjustable amount of missing data. After that, they applied six appropriate R-commands (na.aggregate, na.locf, na.StructTS, na.interp, na.approx, ar.irmi from the R-packages "forecast" and "zoo") representing the three above-mentioned categories on these new created datasets. These packages are the only ones which cover both the univariate and multivariate case; otherwise, only the multivariate case is covered.[140] They evaluated their results by calculating the mean absolute percentage error (MAPE) and root mean square errors (RMSE).[141]

The authors, further, found that the command na.approx is the best fit for their examined dataset S&P Composite Index. This command uses linear interpolation.[142] Linear interpolation means that the missing value, here the price at a certain point in time, is calculated with

$$f(x_0) = f(x_1) + \frac{x_0 - x_1}{x_2 - x1}\big(f(x_2) - f(x_1)\big).$$

Here, x_0 denotes the point with the missing value; x_1 is the next given value before x_0 and has the value $f(x_1)$; and x_2 is the next given value after x_0 and has the value $f(x_2)$.[143] If two missing values appear, like on weekends, na.approx uses the next given value. Due to this, and its comparative superiority to the alternatives, we use na.approx as our imputation technique.

The command na.aggregate imputes the overall mean. Digital appendix A illustrates the large movements of our data samples. An imputation with mean and or median would, hence, not be appropriate since outliers would bias the results. The command na.lodf simply replaces the most recent non-NA, which is also inappropriate for index price data since zero movement in price data is very unlikely.[144] For seasonal data, na.StrucTS

[140] Cf. Moritz 2015, p. 13.
[141] The mean absolute percentage error between the imputed value $\bar{y}$ and the respective true value time series y: $MAPE(\bar{y}, y) \coloneqq \frac{\sum_{t=1}^{n} \frac{|\bar{y}_t - y_t|}{|y_t|}}{n}$. The root mean square error between the imputed value $\bar{y}$ and the respective true value time series y: $RMSE(\bar{y}, y) \coloneqq \sqrt{\frac{\sum_{t=1}^{n}(\bar{y}_t - y_t)^2}{n}}$. See Moritz 2015, p.12. Further information for loss functions can be found in section 4.4.5.2.
[142] Cf. Zeileis 2020, p. 22.
[143] Cf. Aubeck 2010, p. 425.
[144] Although it sometimes happens that within the dataset the same values appear, this is the exception rather than the norm.

suggests use of the seasonal Kalman filter, which is not an appropriate choice for unrecognizable patterns within the datasets. Recognizable patterns, however, are required to apply this command. The same applies for na.interp, which replaces a seasonal component of the series. Although in some cases this could be useful, at least when partial seasonality appears, Moritz et al. showed in the S&P Composite Index example that this command makes the results even worse. At least ar.irmi, coded by the authors to allow addition to the "VIM" packages, created lags to transform the dataset into a multivariate time series and apply then the irmi function, which uses step by step iteration. This algorithm also did not perform very well in S&P 500 and was therefore not chosen.[145] Digital appendix A displays the interpolated data.

Figure 1 illustrates the results for the dataset Electricity.

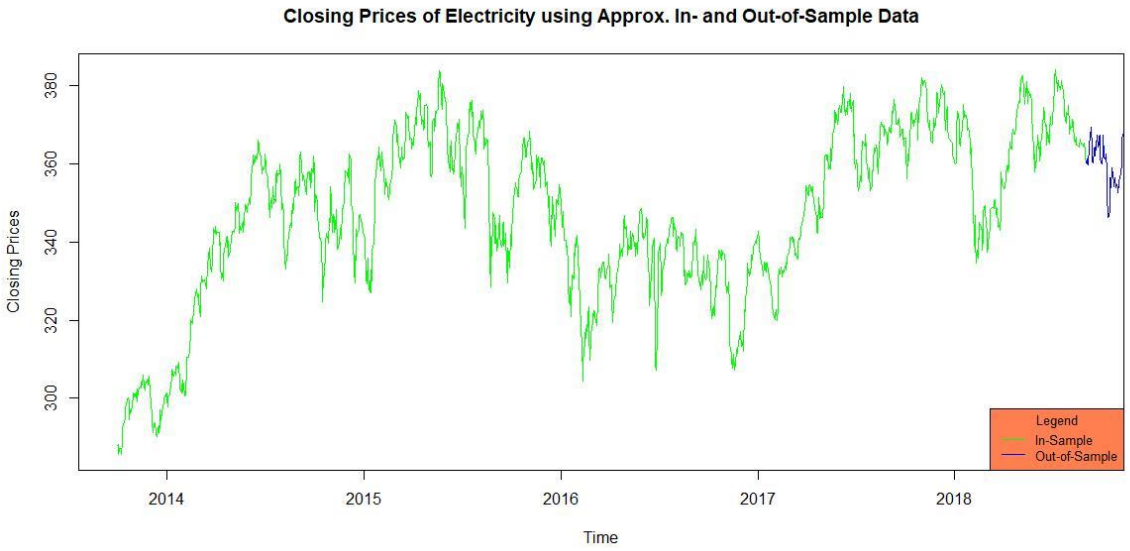

Figure 1: Closing prices of electricity using approximated in- and out-of-sample data

The graphs show that this method did not calculate any unexpectable outliers or values.

For the problem of different currencies, there are several approaches suggested in the literature. Depending on the scope of the authors, prices may or may not be converted into local currency. Chamon et al. examined in great detail whether foreign law bonds could reduce sovereign borrowing costs. As such, they especially regarded the credit risk-free currency return of foreign currencies while converting returns.[146] To account for exchange rate effects, Sukcharoen et al. converted the prices of oil and stock market

[145] Cf. Moritz 2015, p. 10f.
[146] Cf. Chamon et al. 2018.

indices too.[147] To test whether gold and silver are a hedge against inflation, Bampinas and Panagitidis converted them into local currency and showed that the hedging ability of these commodities may also be due to currency movements rather than changes in their prices per se.[148] Lucey et al. also considered this converting aspect in their work about gold and inflations.[149] A critical view on this was provided by van Hoang et al., who drew attention to misleading results regarding gold prices. In their essay about gold as a hedge against inflation, they stated that a conversion may lead to misleading results because gold prices quoted in London do not necessarily reflect the state of local gold markets or local inflations.[150] In order to find an overall model for the returns, we add to van Hoang et al.'s point and do not convert the Dow Jones Commodity datasets into the euro. This is because of two reasons: First, we want to avoid bias occurring through conversion. We want to find a model reflecting the behavior of the original dataset, which cannot be guaranteed if a conversion took place. Second, picking up on the point of van Hoang et al., a conversion blurs the price and market behavior.

[147] Cf. Sukcharoen et al. 2014.
[148] Cf. Bampinas and Panagiotidis 2015.
[149] Cf. Lucey et al. 2017.
[150] Cf. van Hoang et al. 2016.

3.1.3. Return Calculation and Descriptive Measures

As the data we work with in the thesis are not related to price but the calculated return, we explain here how we calculated the returns. For a better understanding of the data, we also provide the descriptive measures of the returns in this chapter.

For given stock prices p_t with $t = 0,1, \dots T$, the return of one period is defined as the change rate of the prices from $t-1$ to t. Therefore, the return R_t for $t = 0,1, \dots T$ is

$$R_t = \frac{p_t - p_{t-1}}{p_{t-1}} = \frac{p_t}{p_{t-1}} - 1.$$

R_t is a discrete return with $-1 \leq R_t \leq \infty$, which means that the worst loss is the total loss of -100%. An advantage of this definition is that the return of a portfolio is the weighted sum of the returns of all portfolio instruments. Next to the discrete return, the definition of continuous return is represented by

$$r_t = ln\left(\frac{p_t}{p_{t-1}}\right) = \ln(p_t) - \ln(p_{t-1}),$$

with

$$r_t = \ln(R_t + 1)$$
$$R_t = e^{r_t} - 1.$$

This relationship is a result of the first order Taylor-approximation, defined by

$$f(x) = f(x_0) + f'(x_0)(x - x_0) + o(x - x_0),$$

with $o(x - x_0)$ as the approximation error given by $\lim_{x \to x_0} \frac{o(x-x_0)}{(x-x_0)} = 0$.

When $f(x) = l(x)$ and $x = \frac{p_t}{p_{t-1}}$, for the Taylor approximation at $x_0 = 1$,

$$ln\left(\frac{p_t}{p_{t-1}}\right) = \frac{p_t}{p_{t-1}} - 1 + o\left(\frac{p_t}{p_{t-1}} - 1\right)$$

and

$$r_t = R_t + o\left(\frac{p_t}{p_{t-1}} - 1\right)$$

hold.

The difference between both is, therefore, almost negligible. We use daily data where the choice of return calculation is irrelevant since prices rarely vary from one day to another.[151] However, we decided to use the compound opportunity due to the dataset's stationarity[152] as other researchers in the field of financial time series.[153]

Digital appendix B presents graphs of the time series' returns. As an example, figure 2 below displays below the log-returns for the STOXX Europe Total Market Electricity Index:

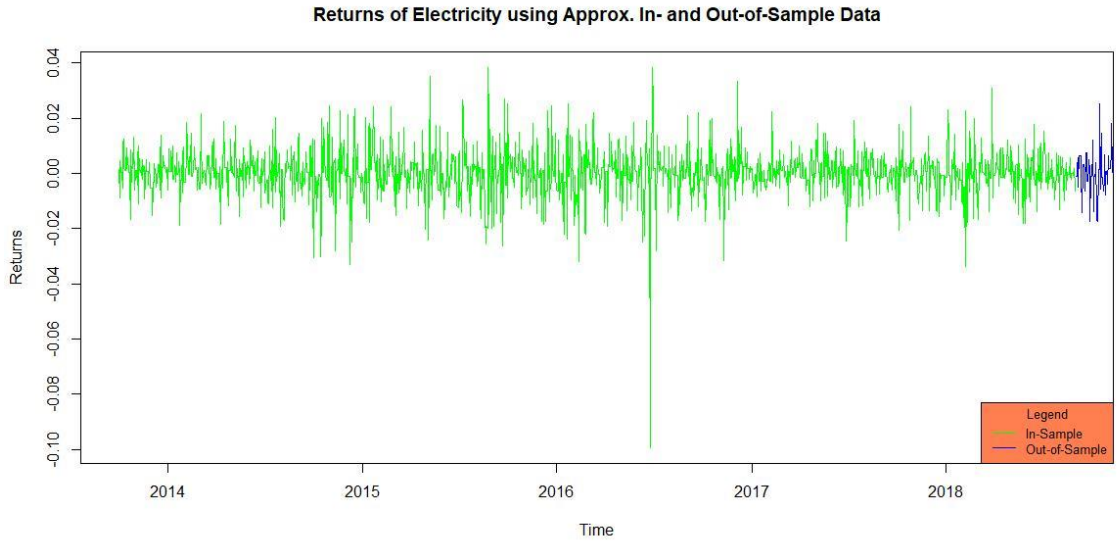

Figure 2: Returns of electricity using approximated in- and out-of-sample data

For the European data, it is noteworthy that outliers appear in the middle of 2016. This is a consequence of the Brexit decision in Great Britain on 23 and 24 June 2018. In addition,

[151] Cf. Schmid and Trede 2006, p. 3ff; parameters of the introduced formulas are harmonized to the parameters used generally within this thesis.
[152] See section 4.2.
[153] See, for example, Cumming et al. 2014, Troster et al. 2018, Shakil et al. 2018, Szumilo et al. 2017, Baur and McDermott 2010.

the price of gold increased, a movement that is recognizable on the gold return chart. Hence, these outliers are explainable and, as such, have not been removed.

Digital appendix C illustrates the summary statistics of the datasets in terms of median, mean, quantiles, variance and standard distribution.

Some main results of the descriptive statistics are, in terms of the thesis, worthwhile mentioning. First, Bitcoin and Litecoin provide both the highest (0.7751 and 0.773201) and lowest (-0.58526 and -0.618224) returns of the whole sample set. Additionally, both provide the highest variance und standard distribution. Both time series also provide the highest return means. This confirms large movements for the volatility and return structure within the cryptocurrencies returns that are significantly higher than the other datasets. Oil, equipment services and distribution have the lowest mean (-0.0004179) and minimum loss (-0.009399). REX displayed the lowest variance and standard deviation, underlining the safe nature of bonds. Additionally, of note is that Litecoin and Bitcoin's maximum returns are followed by coffee, natural gas and zinc, alternative energy, petroleum, sugar, and nickel, all of which belong to the Dow Jones commodity index. Excepting petroleum, coffee, alternative energy, and natural gas, the time series are not associated with the highest levels of variance for the whole sample, as was the case for Litecoin and Bitcoin.

The large differences in the volatility of the data could initially discourage the idea of a comprehensive GARCH model. Nevertheless, we stick to our assumption that this is still possible. We, therefore, rely on the well-studied and so-called stylized facts about financial time series, presented in chapter 3.2.2. Cont pointed out that more than half a century of empirical studies in financial time series show that, from the statistical point-of-view, properties of commodity futures, shares or exchange rates are similar.[154] As such, despite the large volatility movement in the data sets, we remain with our comprehensive model approach.

For further analysis, knowledge of the return distribution is useful. We first test our data for the well-known normal distribution, meaning the probability is high that an observation will be close to the average and low that it will be far away. To do so, we

[154] Cf. Cont 2001.

analyze skewness and kurtosis of the data, and carry out the Jarque-Bera test. A distribution is said to be positively skewed if there are more extreme returns on the right tail and negatively skewed if there are more extreme returns on the left.[155]

The degree of skewness is measured with the Fishers skewness formula:

$$Skewness\ S = \frac{1}{T}\sum\left(\frac{r_t-\bar{r}}{\sigma}\right)^3,$$

where $\bar{r}$ is the mean return and σ is the standard deviation. To consider the sample size, the term $\frac{1}{T}$ changes to $\frac{T}{(T-1)(T-2)}$. The sample skewness then becomes

$$Skewness\ S_S = \frac{T}{(T-1)(T-2)}\sum\left(\frac{r_t-\bar{r}}{\sigma_s}\right)^3,$$

with σ_s as the sample standard distribution that is used here. A normal distribution has a skewness of zero. Therefore, positive values indicate a right-skewed and negative values a left-skewed distribution.[156]

Kurtosis measures the weight of returns in the tails of the distribution relative to standard deviation and is associated with the return distribution's flatness or peakedness. The Pearson's kurtosis is defined by $Kurtosis\ K = \frac{1}{T}\sum\left(\frac{r_t-\bar{r}}{\sigma}\right)^4$, while the sample Kurtosis includes again an adjustment term for the sample size, which leads to

$$Kurtosis\ K_S = \frac{T(T+1)}{(T-1)(T-2)(T-3)}\sum\left(\frac{r_t-\bar{r}}{\sigma_s}\right)^4.$$

Normally distributed data have a kurtosis near three and are termed as mesokurtic. Therefore, excess kurtosis is calculated by subtracting three, which leads to

$$Excess\ Kurtosis\ K_E = \frac{1}{T}\sum\left(\frac{r_t-\bar{r}}{\sigma}\right)^4 - 3$$

[155] Cf. Bacon 2008, p. 82f.
[156] Cf. Bacon 2008, p. 84; parameters of the introduced formulas are harmonized to the parameters used generally within this thesis.

and

$$K_{SE} = \frac{T(T+1)}{(T-1)(T-2)(T-3)} \sum \left(\frac{r_t - \bar{r}}{\sigma_s} \right)^4 - \frac{3(T-1)^2}{(T-2)(T-3)},$$

respectively, for the sample. The variance of a distribution is called the second moment of the mean, skewness the third and kurtosis the fourth.[157]

This knowledge of skewness and kurtosis allows for the testing of the normal distribution. The Jarque-Bera statistics are calculated by

$$JB = \frac{T}{6} \left(S^2 + \frac{K_E^2}{4} \right).$$

The assumption of a normal distribution is rejected if the test statistics exceeds 5.99 at a 5% and 9.21 at a 1% confidence level. Perfectly normal distributed data have a JB value of zero.[158]

The results for kurtosis, skewness and JB statistics are also presented in digital appendix C. The results of the table show clearly that the return data are not normally distributed since the JB test statistics exceed the theoretical values in every case. This is highlighted by the fact that excess kurtosis is always positive, an indicator of leptokurtic distribution. The results are underlined by QQ-plots for normal distribution presented in digital appendix D. Owing to the leptokurtic components of the time series, we also provide QQ-plots for Student's t-distribution[159] in digital appendix E; its higher peaks and fatter tails[160] display a much better fit for the whole sample. For example, figure 3 shows the QQ-plot for normal distribution for the log-returns for STOXX Europe Total Market Electricity Index, and figure 4 displays the Student's t-distribution:

[157] Cf. Bacon 2008, p. 84f.
[158] Cf. Bacon 2008, p.8.
[159] The function TQQPlot in R does not allow the addition of a title. Please note that the relevant dataset is indicated by title of the graph files.
[160] Cf. Bauwens et al. 2012, p. 108.

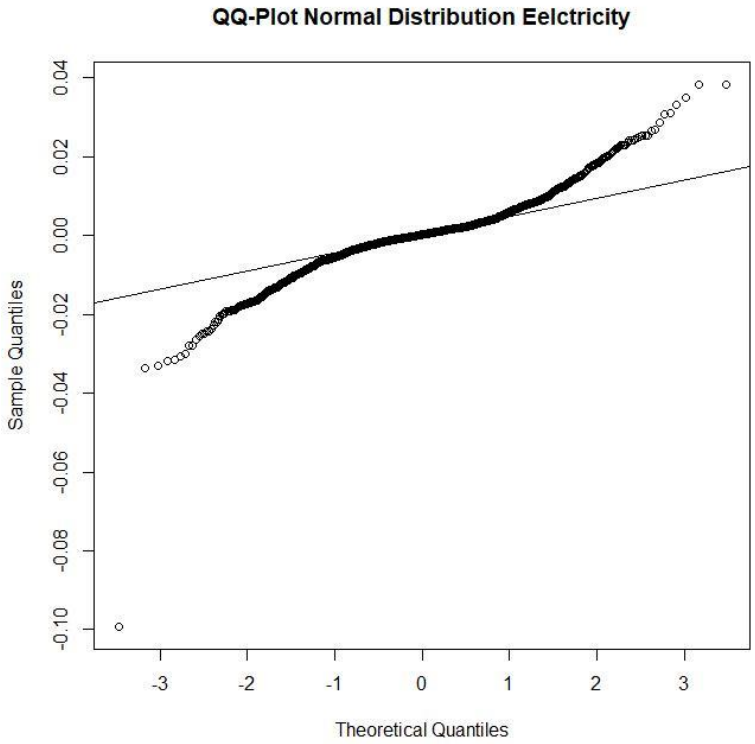

Figure 3: QQ-plot of normal distribution for electricity

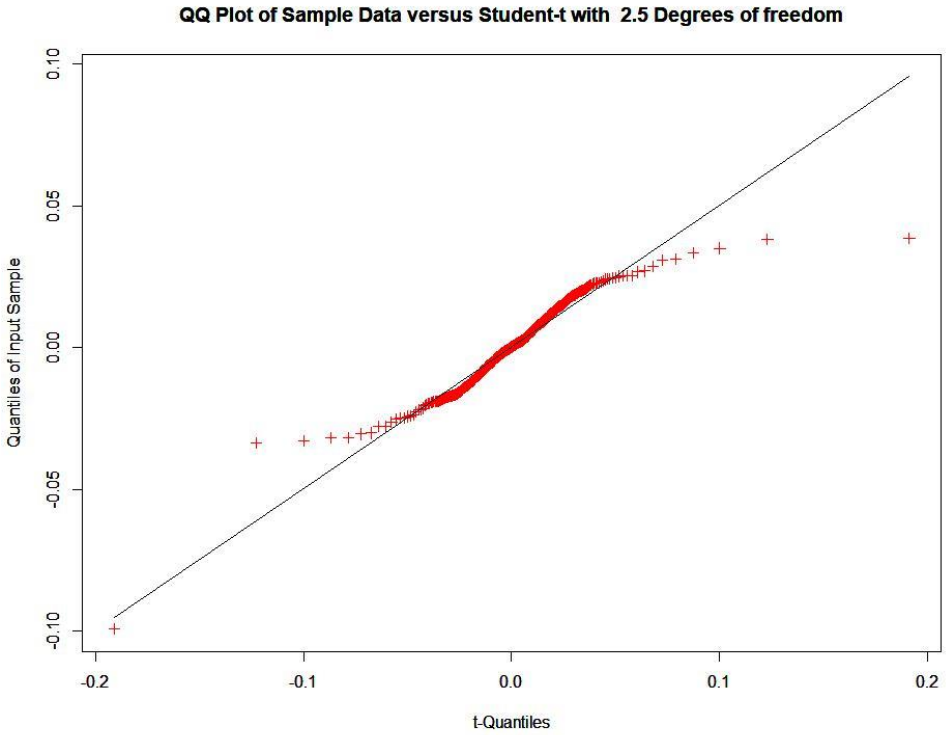

Figure 4: QQ-plot of Student's t-distribution for electricity

Figure 3 illustrates that even the best-fitted normal distribution does not provide a good fit to the reference distribution. The empirical distribution of the daily returns has significantly heavier tails than those of the reference distribution. In contrast, figure 3 indicates a much better fit as the empirical distribution has slightly lighter tails and only a few points are off the linear line. All datasets had a Student-t distribution, except for Bitcoin and Litecoin. The following graphs illustrate how their distributions differed:

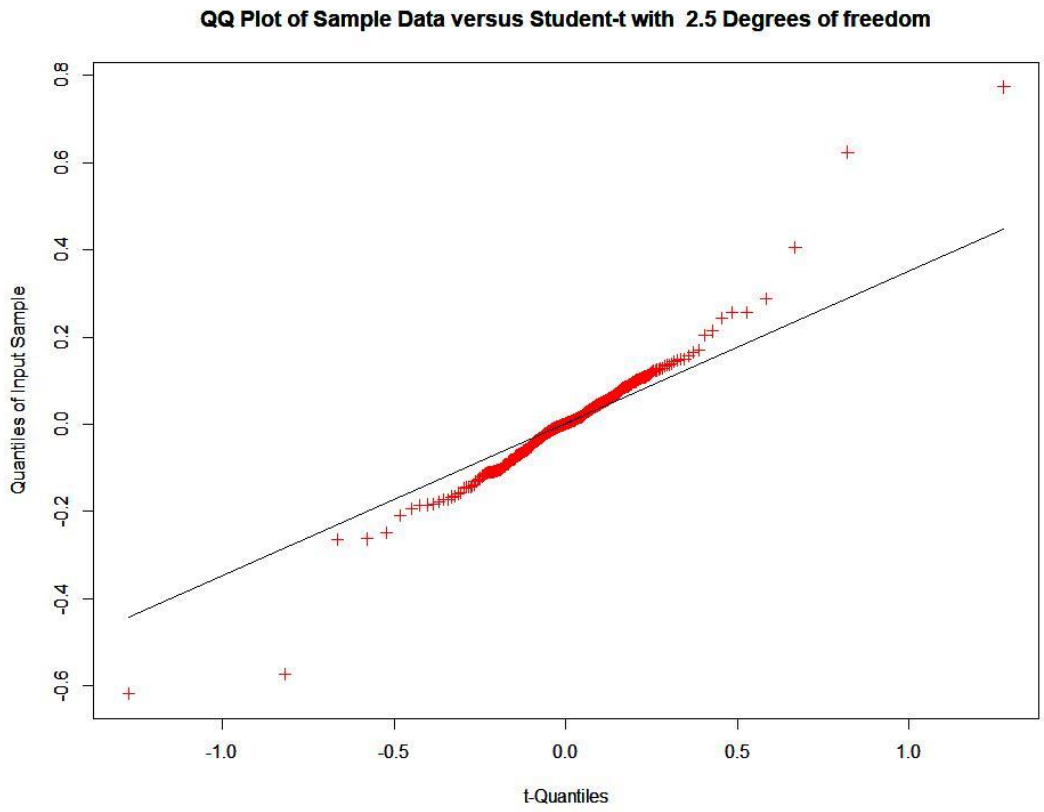

Figure 5: QQ-Plot of Student's t-distribution for Bitcoin

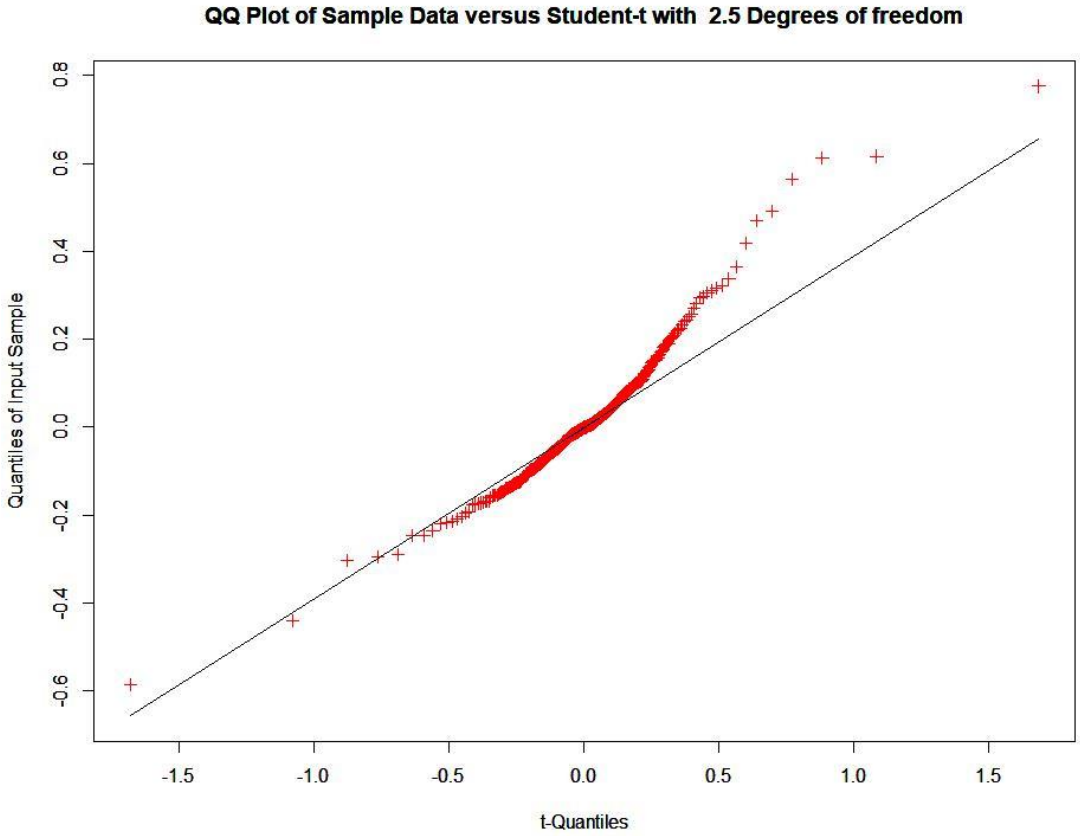

Figure 6: QQ-Plot of Student's t-distribution for Litecoin

3.2. Methodology

3.2.1. Methodology Overview

After introducing our dataset, this chapter is devoted to the methodology employed for our further data analysis. We, therefore, first explain the methodology that we use for our investigations. Following this, we describe the stylized facts of financial time-series data, which are necessary to understand and justify the choice of our statistical methods. In chapter 4 we present the theoretical statistical background needed for the methodology. Finally, at the end of each theoretical section in chapter 4, we provide a brief summary of our results for that specific method, to which we give the title "Conclusion Based on Empirical Findings".

Our methodological approach was the following: firstly, we tested our data for stationarity as this condition was necessary for all further data calculation; secondly, we tested the descriptive power of autoregressive moving average (ARMA) and GARCH models for the following heuristic; thirdly, carried out backtesting and evaluated the models.

To ensure stationarity for our data, we conducted three tests: the Dickey Fuller Test, the Philipp and Perron Test, and the KPSS Test. We tested all three since one test alone is too susceptible to erroneous results.

Based on a strong understanding of white noise, autoregressive, and moving average processes, we examined whether an ARMA model was necessary for our financial log return data. For this, we conducted the Ljung-Box test, additionally applying the autocorrelation function (ACF) and the partial autocorrelation function (PACF).

ARMA models alone were not able to describe our data well.[161] Hence, we explored GARCH models as alternatives. To do so, we first examined the different kinds of GARCH models with normal (nor), Student's t- (std) and general error distributions (ged). Our GARCH model and distribution selection were motivated by several approaches in the literature: Ekong and Onye[162] tested GARCH(1,1), EGARCH(1,1), TGARCH(1,1), augmented GARCH(1,1), augmented EGARCH(1,1), and augmented TGARCH(1,1), in combination with normal, Student's t- and ged distribution, and found that an augmented

[161] See footnote 251 for more information.
[162] Cf. Ekong and Onye 2017.

EGARCH (1,1) model with ged performed best; Chu et al. used twelve varying GARCH(1,1) models with eight different innovation processes, including all of our chosen ones (with exception to ged), and found that, with normal distributions, IGARCH(1,1) and GJR-GARCH(1,1) performed best for different cryptocurrency data;[163] Troster et al. investigated eight GARCH(1,1) models with conditional means and five different innovation distributions. They compared them to generalized autoregressive score (GAS) models and found that normally distributed GARCH models are always outperformed by heavy-tailed GARCH or GAS models.[164] Due to the results of the above-named authors, we included EGARCH, IGARCH, and GJR-GARCH. For the sake of completeness, we also included a standard GARCH and component standard GARCH (CSGARCH). These models are described in detail in subsection 4.4.1.

To evaluate whether GARCH models were applicable to our time series, we introduced the Engle's Lagrange-Multiplier test and went deeper into the analysis of squared returns. For parameter estimation we used the quasi-maximum-likelihood.

In line with the investigation approach of Hansen and Lunde[165], we not only tested p,q=(1,1) for the models but also (1,1), (1,2), (2,1), and (2,2). This led to at least 60 models tested per dataset (five different variance models with four different p,q orders, three different error distribution terms and one constant individual mean model if it was necessary), providing 39 x 60 results.

For the model evaluation and backtesting of the 2340 results, we investigated the significance and persistence of the model parameter for each model. Backtesting was carried out using the method of McNeil and Frey.[166] This method requires that the estimated expected shortfalls and value at risks are calculated from both the forecasted data and actual out-of-sample data. We therefore needed the forecasted sigma values for 181 days (the length of our out-of-sample time window) for each of the remaining GARCH models. To do this, we introduced the calculation method for the value at risk and expected shortfall for Student's t- and normal distributions. Hence, we tested the

[163] Cf. Chu et al. 2017.
[164] Cf. Troster et al. 2018.
[165] Cf. Hansen and Lunde 2005.
[166] Cf. McNeil and Frey 2000.

backtest of McNeil and Frey for both distributions too. For the last evaluation step, we used the Akaike information criterion.[167]

For the sake of completeness, we also explored loss functions and GARCH model diagnostics. This included, for example, mention of the ARCH-LM test, Sign Bias, Ljung-Box Residuals test, and the Goodness of fit, but these were not a main focus for our judgment.

To answer the third research question, we created portfolios: we understood and created the portfolios as new univariate time series by adding and weighting the different asset classes into subgroups. As mentioned in section 3.1, the 39 time series were taken from different asset classes. To account for these asset classes, we clustered similar financial time series, as they are presented in table 2 of subsection 3.1.1, into different asset-class groups. As infrastructure and commodities would contain many more datasets than the other asset classes, we decided here to create several additional subgroups. Asset classes and subgroups were then created as follows:

- Traditional Investments (REX and STOXX Europe Total Market Index); Subgroup 1
- Commodities
    - Food ; Subgroup 2
    - Energy; Subgroup 3
    - Metal; Subgroup 4
    - Cotton; Subgroup 5
- Cryptocurrencies; Subgroup 6
- Private Equity; Subgroup 7
- Stocks linked to alternative asset categories
    - Emotionals; Subgroup 8
    - Energy; Subgroup 9
    - Infrastructure
        - Oil; Subgroup 10
        - Telecommunication; Subgroup 11
        - Transport and Utilities; Subgroup 12

[167] This is in line with, for example, Chu et al. 2017, Glaser et al. 2014, Kawaguchi et al. 2017, Troster et al. 2018.

- Other; Subgroup 13
- REITS; Subgroup 14.[168]

Subgroup 1 represented the portfolio of traditional investments. Subgroups 2-14 represented the different alternative asset classes. The datasets within Subgroups 2-14 were equally weighted, which is in line with one of the three approaches used by Jacobs et al.[169] or the single approach of Daigler et al.[170] In contrast to Jacobs et al.[171] and the weighting schemes of Jaggi et al.,[172] our traditional portfolio (subgroup 1) comprised 82.1% bonds and 17.9% equities and did not contain any other assets. These percentages were derived from Deutsche Bundesbank's statistical bank data by taking the values of bonds and equities and calculating their ratios.[173] Since we wanted to provide results with practical relevance, we decided to create the traditional portfolio out of real numbers. We, therefore, established the mixed portfolios in the following way: firstly, we investigated subgroup 1 on a standalone basis since this portfolio represents the reference portfolio to which we compared the other portfolios of subgroup 2-14; secondly, we created the mixed portfolios of traditional and alternative asset classes by reducing the 17.9% of equities and added, in case A, 8.95% of a subgroup (which is the mean of the equity part), in case B, 5%, C, 3%, and D, 1%. We, hence, created one traditional and 13 x 4 mixed portfolios:

- Traditional investment portfolio (reference portfolio): 82.1% of bonds and 17.9% of equities
- Portfolio type A: 82.1% bonds + 8.95% equities + 8.95% subgroup
- Portfolio type B: 82.1% bonds + 12.9% equities + 5% subgroup
- Portfolio type C: 82.1% bonds + 14.9% equities + 3% subgroup
- Portfolio type D: 82.1% bonds + 16.9% equities + 1% subgroup

Knowing well that subgroups 8-14 are sub-indices of the STOXX Europe Total Market Index, we regressed the sub-indices on this index. Additionally, we assumed the residuals of this linear regression to be an adjusted time series to avoid overweighting. For the sake

[168] The weighting scheme of each subgroup and the exact coding of the portfolios is represented in digital appendix T.
[169] Cf. Jacobs et al. 2014.
[170] Cf. Daigler et al. 2017.
[171] Cf. Jacobs et al. 2014.
[172] Cf. Jaggi et al. 2011.
[173] Cf. Bundesbank 2019. We took positions 11 (Bonds: 951.522) and 12 (Equities: 207.891) from August 2018 as this corresponded to our in-sample period.

of completeness, we took both the portfolios with overweighting and the portfolios with residuals into consideration.

We then repeated all calculation steps on the portfolios and compared the 13x4 portfolios and 8x4 portfolios on a regression basis to our reference portfolio in terms of expected shortfall. We, therefore, built the average of all forecasted expected shortfalls on the out-of-sample horizon and compared these to subgroup 1's reference portfolio. To build the average is possible since we assume independent and identical (iid) samples. To answer the last research question, we also proved whether the comprehensive GARCH model was applicable to the mixed portfolios.

For all calculations, we primarily used R's rugarch package.[174]

3.2.2. Stylized Facts

The investigation of financial time series is mainly a study of volatility. One assumption inherent to our research questions is that all our chosen asset classes have similar statistical characteristics. Otherwise, the investigation of one comprehensive GARCH model for all financial time series would not be possible. This assumption is based on and justified by the so-called stylized facts of financial time series, which have emerged from intensive studies on the behavior of financial time series. Accordingly, we present a brief literature overview and provide the most important stylized facts. The following chapters investigate in detail the existence of these stylized facts within our dataset, focusing particularly on the conclusions based on empirical findings.

As evidenced by Merton's[175] study in 1969 and Black and Scholes'[176] in 1973, early theoretical models in the literature assumed constant volatility. Further investigation, however, led to the now well-studied fact that the volatility of asset returns is time-varying and predictable, as Andersen and Bollerslev pointed out in 1997.[177] Moreover, Engle and Patton showed that volatility is mean-reverting and exhibits persistence, and that innovations have an asymmetric impact on volatility.[178]

[174] Cf. Ghalanos 2020.
[175] Cf. Merton 1969.
[176] Cf. Black and Scholes 1973.
[177] Cf. Andersen and Bollerslev 1997.
[178] Cf. Engle and Patton 2001.

Malmsten and Teräsvirta discovered more stylized facts in their paper on stylized facts of financial time series. Firstly, they illustrated that the combination of relatively high kurtosis and rather low autocorrelations of squared returns is typical for a large amount of return series. Secondly, they introduced the Taylor effect, meaning that autocorrelations are larger for absolute returns than for squared ones (see Granger and Ding[179] and Granger et al.[180]). They designated the very slow decay rate of autocorrelations as a stylized fact but showed that this is not typical for series with a couple of thousand observations, which is not the case in this thesis. [181] Chakraborti et al. added to this last point by stating that it is already well known as "volatility clustering". They further highlighted that asset returns admit heavier tails than the normal distribution.[182]

Cont summarized stylized facts as properties that are common across a wide range of instruments, markets and time periods. He pointed out that more than half a century of empirical studies in financial time series show that, from the statistical point-of-view, properties of commodity futures, shares or exchange rates are similar.[183]

All points listed above of course did not include cryptocurrencies as cryptocurrencies represent a new research field. However, we found evidence in Philipp, Chan and Peiris[184] and Da Cunha and Da Silva[185] that the most presented stylized facts are valid for cryptocurrencies too. Philipp, Chan and Peiris found that Bitcoin contains many stylized facts, including long memory, heteroskedasticity and heavy tailedness. They further discovered that cryptocurrencies, in general, have several unique properties, including leverage effects and Student's t-error distributions.[186] Da Cunha and Da Silva investigated whether the same stylized facts found in traditional financial assets also hold for Bitcoin. They concluded that it behaves statistically in the same way as most other assets. However, their most important conclusion was three-fold: the logarithmic returns of Bitcoin exhibit fat tails; Bitcoin returns display aggregational Gaussianity and its

[179] Cf. Granger and Ding 1995.
[180] Cf. Granger et al. 2000.
[181] Cf. Malmsten and Teräsvirta 2004.
[182] Cf. Chakraborti et al. 2011.
[183] Cf. Cont 2001.
[184] Cf. Phillip et al. 2018.
[185] Cf. da Cunha and da Silva 2020.
[186] Cf. Phillip et al. 2018.

volatility tends to cluster in time; and the correlation between the volume and long-range returns predict the structure better than the other way around.[187]

We, therefore, apply the same mechanisms on cryptocurrencies as on the other asset classes and consider our approach of utilizing a uniform heuristic procedure for all financial time series to be justified.

[187] Cf. da Cunha and da Silva 2020.

4. Theoretical Background and Empirical Results

4.1. Stochastic Processes

This chapter outlines the theoretical background for the methodology described in section 3.2. First, we introduce the principles of a stochastic process. Following this, we discuss the concept of stationarity. As it will be important for the volatility models, we further introduce linear stochastic processes. We then explain the volatility models and, furthermore, explain the concepts of value at risk, expected shortfall, and the backtesting procedure. Every section within this chapter ends with a conclusion summarizing the empirical results derived from our sample.

A sequence of random variables $x_1, x_2, x_3, \ldots$, where x_1 is the value of t_1 and x_2 is the value of t_2, is considered to be a time series. A collection of random variables x_t with index t, is a stochastic process $(X_t)_{t\in\mathbb{T}}$. Typical for economic time series is that $\mathbb{T}$ is discrete and and t varies over the integers $t = 0, \pm1, \pm2, \ldots$, or a finite subset of the integers.[188] The function $t \rightarrow X_t$ is a path of (X_t). A realization or trajectory is denoted with $t \rightarrow x_t$. A time series then is denoted as both the realization or trajectory and the underlying stochastic process.[189] Following the Kolmogorov theorem, a stochastic process is clearly defined if a system of its finite-dimensional distribution function is known. The full specification of all moments is too complex in most cases, which is why the focus lies on the first two moments of the distribution. These are given by the expectation value

$$\mathbb{E}X_t = \mu_t$$

and the variances

$$\mathbb{V}X_t = \sigma_t^2,$$

with $t \in \mathbb{Z}$, as well as by the covariances

$$cov(X_t, X_s) = \mathbb{E}(X_t - \mathbb{E}X_t)(X_s - \mathbb{E}X_s) = \mathbb{E}(X_t X_s) - \mathbb{E}X_t\mathbb{E}X_s$$

[188] Cf. Shumway and Stoffer 2011, p. 11, Neusser 2011, p. 8.
[189] Cf. Neusser 2011, p. 9.

and correlations

$$corr(X_t, X_s),$$

with $t, s \in \mathbb{Z}$.[190]

4.2. Stationarity and Stationary Statistical Key Figures

4.2.1. Concept of Stationarity

For further analysis, we introduce the concept of stationarity, as it is necessary for the application of GARCH models. Stationarity naturally replaces the hypothesis of iid observations in standard statistics.[191] Time-series analysis assumes that realizations of a stochastic process depend on different points of time; this dependence is described by covariances and correlations. As one datapoint can depend on more than one past value, an infinite number of covariances are possible. We introduce the covariance and correlation function to describe all covariances between a finite number of random variables.[192]

If the variance of a stochastic process (X_t) is finite, the so-called autocovariance function is represented by

$$\gamma_x(t, s) = cov(X_t, X_s) = \mathbb{E}[(X_t - \mu_t)(X_s - \mu_s)]$$

for all s and t, where $\gamma_x(s, t) = \gamma_x(t, s)$ for all time points s and t. The autocovariance function measures the linear dependency between two points of the same series at different point of time.[193] A more convenient measure is the autocorrelation function (ACF):

[190] Cf. Neusser 2011, p. 9; Neusser did not introduce μ and σ. To keep the notations consistent with those of Shumway μ and σ are introduced here.
[191] Cf. Francq and Zakoian 2010, p. 1, Neusser 2011, p. 10.
[192] Cf. Neusser 2011, p. 10.
[193] Cf. Shumway and Stoffer 2011, p. 19.

$$\rho(s,t) = \frac{\gamma(s,t)}{\sqrt{\gamma(s,s)\gamma(t,t)}},$$

resulting in values between -1 and 1. The ACF measures the linear predictability of the series at time t. A perfect prediction of x_t from x_s by the linear relationship $x_t = \beta_0 + \beta_1 x_s$ would lead to a correlation of $+1$ when $\beta_1 > 0$ and -1 when $\beta_1 < 0$, providing $-1 \leq \rho(s,t) \leq 1$.[194]

In a strictly stationary time series, the probabilistic behavior for every collection of values $(x_{t1}, x_{t2}, \dots, x_{tk})$ is identical to that of the time shifted set $(x_{t1+h}, x_{t2+h}, \dots, x_{tk+h})$ which means $P(x_{t1} \leq c_1, \dots, x_{tk} \leq c_k) = P(x_{t1+h} \leq c_1, \dots, x_{tk+h} \leq c_k)$ for all $k = 1,2, \dots$, all time points $t_1, t_2, \dots, t_k$, all numbers $c_1, c_2, \dots, c_k$, and all time shifts $h = 0, \pm 1, \pm 2, \dots$.[195] The properties are unaffected by a change of time origin.[196] For most applications this assumption is too strong. Hence, the milder concept of weak stationarity is more convenient since this concept only affects the series' first two moments. A weakly stationary time series, (X_t), is a finite variance process in that the mean value μ_t is constant and does not depend on t. Also, the autocovariance function $\gamma(s,t)$ depends on s and t only through their difference $|s-t|$. The time difference between $t+h$ is the same as the difference between times h and 0 and, thus, the autocovariance and autocorrelation functions do not depend on time argument t. We will use the term stationary now as the synonym for weak stationary.

The autocovariance function of a stationary time series is, hence, given by

$$\gamma(h) = cov(X_{t+h}, X_t) = \mathbb{E}[(X_{t+h} - \mu)(X_t - \mu)]$$

and the autocorrelation function (ACF) of a stationary time series by

$$\rho(h) = \frac{\gamma(t+h,t)}{\sqrt{\gamma(t+h,t+h)\gamma(t,t)}} = \frac{\gamma(h)}{\gamma(0)}.$$[197]

[194] Cf. Shumway and Stoffer 2011, p. 21.
[195] Cf. Shumway and Stoffer 2011, p. 20f.
[196] Cf. Mills and Markellos 2008, p. 11.
[197] Cf. Shumway and Stoffer 2011, p. 22ff.

In practical statistics, the preceding theories must be applied to sampled data $x_1, x_2, \dots, x_n$, which causes a problem due to the absence of iid copies of (X_t) that are available for estimating the covariance and correlation functions. If a time series is stationary, the mean function $\mu_t = \mu$ is constant and can be estimated by the sample mean

$$\bar{X} = \frac{1}{n}\sum_{t=1}^{n} X_t.$$

The standard error of an estimate is the square root of $var(\bar{x})$, which is given by

$$var(\bar{X}_t) = var\left(\frac{1}{n}\sum_{t=1}^{n} X\right) = \frac{1}{n^2}\, cov\left(\sum_{t=1}^{n} X_t, \sum_{s=1}^{n} X_s\right)$$

.

The sample autocovariance function is defined as

$$\hat{\gamma}\,(h) = \frac{1}{n}\sum_{t=1}^{n-h}(X_{t+h} - \bar{X})(X_t - \bar{X})$$

with $\hat{\gamma}\,(-h) = \hat{\gamma}\,(h)$ for $h = 0,1, \dots, n-1$. The sum runs over a restricted range since X_{t+h} is not available for $t + h > n$. The sample autocorrelation function is given by

$$\hat{\rho}(h) = \frac{\hat{\gamma}\,(h)}{\hat{\gamma}\,(0)}.$$ [198]

[198] Cf. Shumway and Stoffer 2011, p. 28f.

4.2.2. Testing for Stationarity

4.2.2.1. Dickey-Fuller-Test

Since the absence or presence of stationarity is crucial for the right model choice, a test for stationarity of the data is required. Therefore, we introduce the firmly established[199] tests of Dickey and Fuller[200], Philipp and Perron[201], and Kwiatowski[202]. Each of these tests has its weaknesses, and there is no optimal method applicable to every time series in general.[203] For this reason, we utilize all three tests in this thesis.[204]

The Dickey-Fuller test is based on an autoregressive model for the time series (X_t) that is to be examined. This is denoted as $X_t = \rho X_{t-1} + \varepsilon_t$[205], where $X_0 = 0, \rho$ is in this subsection represents a real number and ε_t a sequence of independent normal random variables with mean 0 and variance σ^2.[206] It is possible for some deterministic variables, i.e., a constant α or deterministic trend δ_t, to be added.[207] In the following section, this autoregressive model is termed the "Dickey-Fuller regression". In order to test for stationarity, the authors test the null hypothesis that a unit root exists by testing whether $\rho = 1$, under the assumption $\rho = \pm 1$.[208] For the unit root test, there are two types of possible tests: the Dickey-Fuller and the augmented Dickey-Fuller. Two possible test statistics are given, which are applicable for both tests. The first is commonly termed the ρ-test $T(\hat{\rho} - 1)$, which is asymptotically not normally distributed. The values for this statistic are, therefore, set out in the following a tabular form:

[199] Cf. Horváth et al. 2014, p. 56.
[200] Cf. Dickey and Fuller 1979.
[201] Cf. Phillips and Perron 1988.
[202] Cf. Kwiatkowski et al. 1992.
[203] Cf. Möller 2003, p. 57.
[204] In financial research, most authors only use one or two tests. Some other authors also use three (e.g. Shakil et al. 2018). Since this thesis is a complete analysis of the data, all three tests are used.
[205] Here, Dickey and Fuller used y_t instead of x_t and e_t instead of ε_t. To ensure consistency with the other chapters, the y_t is changed to x_t and e_t is changed to ε_t. We kept the ρ of Dickey and Fuller here as we need the commonly termed ρ-test statistics (Neusser 2011, p. 121) for this test. Therefore, only in this subsection dealing with stationarity does ρ represent a real number and not the autocorrelation function.
[206] Cf. Dickey and Fuller 1979, p. 427.
[207] Cf. Neusser 2011, p. 120f.
[208] Cf. Dickey and Fuller 1979, p. 427.

	$T = 25$	$T = 50$	$T = 100$	$T = 250$	$T = 500$	$T \to \infty$
α	$X_t = \rho X_{t-1} + \varepsilon_t$					
0.01	-11.9	-12.9	-13.3	-13.6	-13.7	-13.8
0.025	-9.3	-9.9	-10.2	-10.3	-10.4	-10.5
0.05	-7.3	-7.7	-7.9	-8.0	-8.0	-8.1
0.1	-5.3	-5.5	-5.6	-5.7	-5.7	-5.7
0.90	1.01	0.97	0.95	0.93	0.93	0.93
0.95	1.4	1.35	1.31	1.28	1.28	1.28
0.975	1.79	1.7	1.65	1.62	1.61	1.60
0.99	2.28	2.16	2.09	2.04	2.04	2.03
α	$X_t = \alpha + \rho X_{t-1} + \varepsilon_t$					
0.01	-17.2	-18.9	-19.8	-20.3	-20.5	-20.7
0.025	-14.6	-15.7	-16.3	-16.6	-16.8	-16.9
0.05	-12.5	-13.3	-13.7	-14.0	-14.0	-14.1
0.1	-10.2	-10.7	-11.0	-11.2	-11.2	-11.3
0.90	-0.76	-0.81	-0.83	-0.84	-0.84	-0.85
0.95	0.01	-0.07	-0.10	-0.12	-0.13	-0.13
0.975	0.65	0.53	0.47	0.43	0.42	0.41
0.99	1.40	1.22	1.14	1.09	1.06	1.04
α	$X_t = \alpha + \delta_t + \rho X_{t-1} + \varepsilon_t$					
0.01	-22.5	-25.7	-27.4	-28.4	-28.9	-29.5
0.025	-19.9	-22.4	-23.6	-24.4	-24.8	-25.1
0.05	-17.90	-19.80	-20.70	-21.30	-21.50	-21.80
0.1	-15.60	-16.80	-17.50	-18.00	-18.10	-18.30
0.90	-3.66	-3.71	-3.74	-3.75	-3.76	-3.77
0.95	-2.51	-2.60	-2.62	-2.64	-2.65	-2.66
0.975	-1.53	-1.66	-1.73	-1.78	-1.78	-1.79
0.99	-0.43	-0.65	-0.75	-0.82	-0.84	-0.87

Table 3: Critical values for $T(\hat{\rho} - 1)$[209]

[209] Cf. Banerjee 1993, p. 102.

This being said, it is more convenient to use the t-test statistic $t_{\hat{\rho}} = \frac{(\hat{\rho}_T - 1)}{\hat{\sigma}_{\hat{\rho}}}$, which is also asymptotically not normally distributed. The values of this statistic are presented in the following table:

	$T = 25$	$T = 50$	$T = 100$	$T = 250$	$T = 500$	$T \to \infty$
α	$X_t = \rho X_{t-1} + \varepsilon_t$					
0.01	-2.66	-2.62	-2.60	-2.58	-2.58	-2.58
0.025	-2.26	-2.25	-2.24	-2.23	-2.23	-2.23
0.05	-1.95	-1.95	-1.95	-1.95	-1.95	-1.95
0.1	-1.60	-1.61	-1.61	-1.62	-1.62	-1.62
0.90	0.92	0.91	0.90	0.89	0.89	0.89
0.95	1.33	1.31	1.29	1.29	1.28	1.27
0.975	1.7	1.66	1.64	1.63	1.62	1.62
0.99	2.16	2.08	2.03	2.01	2.00	2.00
α	$X_t = \alpha + \rho X_{t-1} + \varepsilon_t$					
0.01	-3.75	-3.58	-3.51	-3.46	-3.44	-3.43
0.025	-3.33	-3.23	-3.17	-3.14	-3.13	-3.12
0.05	-3.00	-2.93	-2.89	-2.88	-2.87	-2.86
0.1	-2.63	-2.60	-2.58	-2.57	-2.57	-2.57
0.90	-0.37	-0.40	-0.42	-0.42	-0.43	-0.44
0.95	0.00	-0.03	-0.05	-0.06	-0.07	-0.07
0.975	0.34	0.29	0.26	0.24	0.24	0.23
0.99	0.72	0.66	0.63	0.62	0.61	0.60
α	$X_t = \alpha + \delta_t + \rho X_{t-1} + \varepsilon_t$					
0.01	-4.38	-4.15	-4.04	-3.99	-3.98	-3.96
0.025	-3.95	-3.80	-3.73	-3.69	-3.68	-3.66
0.05	-3.60	-3.50	-3.45	-3.43	-3.42	-3.41
0.1	-3.24	-3.18	-3.15	-3.13	-3.13	-3.12
0.90	-1.14	-1.19	-1.22	-1.23	-1.24	-1.25
0.95	-0.80	-0.87	-0.90	-0.92	-0.93	-0.94
0.975	-0.50	-0.58	-0.62	-0.64	-0.65	-0.66
0.99	-0.15	-0.24	-0.28	-0.31	-0.32	-0.33

Table 4: Critical values for $t_{\hat{\rho}} = \frac{(\hat{\rho}_T - 1)}{\hat{\sigma}_{\hat{\rho}}}$ [210]

[210] Cf. Banerjee 1993, p. 104; the positive and negative numbers are a result of the skewness of the sample distribution.

The limit distribution of the ρ- and t -statistics depend on the deterministic components and the true data-generating process, which leads to the use of different sections of the tables depending on those specifications.[211] An overview of the use of the required statistics is given in table 5.

True data generating process (null hypothesis)	Estimated Dickey-Fuller-Regression	ρ-test $T(\hat{\rho}-1)$	t-Value
$X_t = X_{t-1} + \varepsilon_t$	$X_t = \rho X_{t-1} + \varepsilon_t$	Case 1	Case 1
$X_t = X_{t-1} + \varepsilon_t$	$X_t = \alpha + \rho X_{t-1} + \varepsilon_t$	Case 2	Case 2
$X_t = \alpha + X_{t-1} + \varepsilon_t, \alpha \neq 0$	$X_t = \alpha + \rho X_{t-1} + \varepsilon_t$		$N(0,1)$
$X_t = \alpha + X_{t-1} + \varepsilon_t$	$X_t = \alpha + \delta_t + \rho X_{t-1} + \varepsilon_t$	Case 4	Case 4

Table 5: Different cases for the correct choice of critical values[212]

In case 1, the Dickey-Fuller regression has no constant. A rejection of the null hypothesis implies that (X_t) is a stationary process with a mean of zero. Hence, this is more a theoretical than practical process since the used data must, surely, have a mean of zero, something which is not given in most cases. This is why plotting the data first is recommended to identify whether the data could have a mean of zero or a trend. For data without a trend, the Dickey-Fuller regression with a constant (case 2) should be considered. A rejection of the null hypothesis implies that (X_t) is a stationary process with a mean $\mu = \frac{c}{1-\rho}$, where c denotes a constant. For data with a trend, the Dickey-Fuller regression should include a trend next to the constant; this is considered in case 4. A rejection of the null hypothesis implies that (X_t) is a trend stationary process. Purely of theoretical interest is the case of asymptotic normality; however, this only becomes important when the Dickey-Fuller regression has no trend, and under the null hypothesis a trend is given. It should be a priori clear whether the data imply a trend or not, e.g., when plotting the data first. This case is mentioned here, too, for the sake of completeness.

[211] Cf. Neusser 2011, p. 121.
[212] Cf. Neusser 2011, p. 122.

Due to the high autocorrelation of most of the economic time series, it is necessary to include lagged differences $\Delta X_{t-1}, \dots, \Delta X_{t-p+1}$, where p represents the order of the model.[213] The Dickey-Fuller regression then turns to $\Delta X_t = \alpha + \delta t + \rho X_{t-1} + \vartheta_1 \Delta X_{t-1} + \cdots + \vartheta_{p-1} \Delta X_{t-p+1} + \varepsilon_t$. This test is called the "Augmented Dickey-Fuller test" (ADF-test). The limited distribution of the ADF-test does not change with the autoregressive correction. For the coefficients of the correcting terms, the standardized t-test and F-test tables can be used here. The choice of the lag parameter p depends on the residuals; they should turn to white noise. A consistent strategy of finding the right lag order is the minimization of the AIC criterium.[214] Dickey and Fuller suggest calculating the order as a function of the number of observations n.[215]

4.2.2.2. Philipp and Perron Test

Philipp and Perron established an alternative strategy to consider the autocorrelation within the data. Therefore, the OLS-estimators, in particular the t-value, are corrected in a nonparametric way. Consider the Dickey-Fuller-Regression without the autoregressive correcting terms $X_t = \alpha + \delta t + \rho X_{t-1} + \varepsilon_t$, where ε_t here does not have to be a white noise process[216] but a general stationary process with an expected value of zero. First, X_t is regressed against X_{t-1} and the potential deterministic components. Second, a long-run variance $J = \lambda(0) + 2\sum_{h=1}^{\infty} \lambda(h)$ is estimated out of the residuals (ε_t).[217] The unconditional variance of (ε_t) is denoted as $\lambda_\varepsilon(0)$ and is estimated via $\widehat{\lambda_\varepsilon}(0)$. These two variances are used to modify the value of ρ respectively t of $\widehat{\rho_T}$. If no deterministic variables are taken into consideration (case 1 of table 5) the modified test-statistics are given through this formula:

$$\rho - Test: \qquad T(\hat{\rho} - 1) - \frac{1}{2}\left(\widehat{J_T} - \widehat{\lambda_\varepsilon}(0)\right)\left(\frac{1}{T^2}\sum_{t=1}^{T} X_{t-1}^2\right)^{-1}$$

[213] Cf. Neusser 2011, p. 122f.
[214] Cf. Neusser 2011, p. 122; the Akaike information criterion is explained in subsection 4.4.5.1.
[215] Cf. Said and Dickey 1984, p. 599.
[216] White noise processes are explained in subsection 4.3.1.
[217] Cf. Neusser 2011, p. 123; for more information on the estimation of $\widehat{J_T}$, see Neusser 2011, p. 46ff. The KPSS-test in the following subsection outlines the Newey-West estimator for this, which was also suggested in the original paper of Phillips and Perron 1988 p. 340.

$$t-Test: \qquad \sqrt{\frac{\widehat{\lambda_\varepsilon}(0)}{\widehat{J_T}}}\, t_{\hat{\rho}} - \frac{1}{2}\left(\widehat{J_T} - \widehat{\lambda_\varepsilon}(0)\right)\left(\frac{\widehat{J_T}}{T^2}\sum_{t=1}^{T} X_{t-1}^2\right)^{-1/2}$$

If (ε_t) is white noise, then $J = \lambda(0)$ and $\widehat{J_T} \approx \lambda_\varepsilon(0)$, respectively, which is consistent with the Dickey-Fuller test. If constants like in case 2 and 4 are considered, similar formulas can be created. These test statistics have the same asymptotic distribution as the Dickey-Fuller test statistics, which makes the use of the same statistics possible. The big advantage of the Philipp-Perron test is that the non-parametric autoregressive correction applies to general processes. In comparison to Dickey and Fuller, the Philipp and Perron Test is more powerful but has a bigger size distortion; this is why the null hypothesis too often gets rejected.[218]

4.2.2.3. KPSS-Test

Kwiatowski et al. developed a test that considers stationarity as the null hypothesis.[219]

If $(x_t),\ t = 1,2,\dots,T$[220] is the observed series that should be tested for stationarity. Kwiatowski et al. assume that this series can be decomposed into the sum of a deterministic trend, a random walk,[221] and a stationary error:

$$X_t = \delta t + r_t + \varepsilon_t,$$

where r_t, only in this subsection, represents a random walk $r_t = r_{t-1} + u_t$ and the u_t are iid $(0, \sigma_u^2)$. The initial value r_0 is fixed and represents the intercept.[222]

[218] Cf. Neusser 2011, p. 124.
[219] Cf. Horváth et al. 2014.
[220] Kwiatkowski et al. used the different notation of y_t here. To remain consistent with the other sections in this chapter, the y_t is changed to x_t.
[221] A random walk is a type of non-stationary process defined by $X_t = X_{t-1} + Z_t$, with $Z_t \sim WN(0, \sigma^2)$, where WN stands for white noise processes. This is further explained in subsection 4.3.1. Given any random variable X_0 and a sequence $(Z_{t.})$, the recursion is clearly defined for all X_t. For $t > 0$, $X_t = X_0 + Z_1 + \cdots + Z_t$ holds. The expected value of a random walk is $\mathbb{E}X_t = \mathbb{E}X_0$, but the variance of X_t varies with t, which is why a random walk is not stationary. Cf. Neusser 2011, p.16.
[222] Cf. Kwiatkowski et al. 1992, p. 162.

The stationarity null hypothesis is σ_u^2=0. With ε_t assumed to be stationary, X_t is trend-stationary under the null hypothesis. If $\delta t = 0$, the null hypothesis is that X_t is stationary around a level r_0 rather than around a trend. The one-sided LM statistic, which is the same as the locally best invariant (LBI) test statistic, is used for the hypothesis σ_u^2=0 and is defined below.[223] For σ_u^2=0, the strong assumption that u_t are normal distributed and ε_t are iid $N(0, \sigma_\varepsilon^2)$ must hold.[224]

This test statistic is computed as follows: let $d_t, t = 1,2, \dots, T$ be the residuals from the regression of X on an intercept and time trend and let $\widehat{\sigma_\varepsilon^2}$ be the estimate of the error variance from this regression (sum of squared residuals, divided by T). The partial sum of the process of the residuals is defined as

$$S_t = \sum_{i=1}^{t} d_i,$$

with $t = 1,2, \dots, T$. The LM and LBI statistic is then given by

$$LM = \sum_{t=1}^{T} S_t^2 / \widehat{\sigma_\varepsilon^2}.$$

For the testing level instead of trend stationarity, d_t is the residual from the regression of X on an intercept only ($d_t = X_t - \bar{X}$). The other computational steps remain unchanged. The test is an upper tail test.[225]

The statistic was derived based on the assumption that ε_t are iid $N(0, \sigma_\varepsilon^2)$. Kwiatowski et al. considered the asymptotic distribution of the LM statistic under weaker error assumptions. Assuming that ε_t satisfies the Philpps-Perron[226] regularity conditions for allowing general forms of temporal dependence, the authors therefore define the long-run variance as

$$\sigma^2 = \lim_{T \to \infty} T^{-1} E(S_T^2),$$

[223] For the LBI statistic, Kwiatowski et al. refer to Nabeya and Tanaka 1988. They use their results and translate them for the models they derived, see p. 161ff.
[224] Cf. Kwiatkowski et al. 1992, p. 162.
[225] Cf. Kwiatkowski et al. 1992, p. 163.
[226] Cf. Phillips and Perron 1988, p. 340.

which enters the asymptotic distribution of the test statistic. A consistent estimator of σ^2, here denoted as $s^2(l)$, can be constructed from the residuals d_t. This estimator (Newey-West estimator) is constructed as

$$s^2(l) = T^{-1}\sum_{t=1}^{T} d_t^2 + 2T^{-1}\sum_{s=l}^{l} w(s,l) \sum_{t=s+1}^{T} d_t d_{t-s},$$

with $w(s,l)$ acting as a weighting function which corresponds to the choice of spectral window.[227] For a positive $s^2(l)$, a Bartlett window $w(s,l) = 1 - \frac{s}{l+1}$ is used and, for consistency, the lag truncation parameter must satisfy $l \to \infty$ as $T \to \infty$. The rate $l = o(T^{\frac{1}{2}})$ will be satisfactory under the null and alternative hypothesis.[228] Then, when errors are not iid, the appropriate denominator of the test statistic becomes an estimate of σ^2 instead of σ_ε^2. Due to this, the numerator of the LM test statistics gets normalized with T^{-2}: $\eta = T^{-2}\sum S_t^2$. σ^2 is given through the consistent estimate, denoted here as $s^2(l)$, while η has an asymptotic distribution equal to σ^2 times a functional Brownian bridge. The division of $s^2(l)$ or another consistent estimate of σ^2 leads to an asymptotic distribution free of nuisance parameters.

This is demonstrated for the level- and trend-stationary case, as described in subsection 4.2.2.1. Considering $X_t = \delta t + r_t + \varepsilon_t$, with $\delta t = 0$, the residuals d_t come purely from the regression intercept, where $d_t = X - \bar{X}$. This means that S_t is the partial sum of the residuals. η_μ was defined above. The subscripted μ indicates that X is extracted by the mean but not by the trend of X. Due to this, the partial sums of the deviations from means of a process converge to a Brownian bridge, given that this sum satisfies the assumptions of Philipp and Perron. This implies the following:

$$\eta_\mu \to \sigma^2 \int_0^1 V(r)^2\, dr,$$

[227] Cf. Kwiatkowski et al. 1992, p. 164.
[228] Cf. Kwiatkowski et al. 1992, p. 164f., Newey and West 1987, p. 704f.

where $V(r)$ is a standard Brownian bridge with $V(r) = W(r) - rW(1)$ and $W(r)$ is a Wiener process.

The new test statics in than given by

$$\widehat{\eta_\mu} = \frac{\eta_\mu}{s^2(l)} = \frac{T^{-2}\sum_{t=1}^{T} S_t^2}{s^2(l)}.$$

Due to the consistency of $s^2(l)$, $\widehat{\eta_\mu} \to \int_0^1 V(r)^2\, dr$ follows. The trend stationary case is very similar. We again consider $X_t = \delta t + r_t + \varepsilon_t$ and d_t, representing the residuals from a regression of X_t on intercept and trend, and S_t is the partial sum of the residuals as defined as $S_t = \sum_{i=1}^{t} d_i$. As such, let η_τ be defined in the similar way as for trend stationarity $\eta_\tau \to \sigma^2 \int_0^1 V(r)^2\, dr$, where τ indicates that the mean and trend are extracted from X_t. From this, the partial sum of the process of the residuals from a regression of a process on intercept and trend satisfies the assumptions of Phillips and Perron and converges to a second level Brownian Bridge. This becomes

$$\eta_\tau \to \sigma^2 \int_0^1 V_2(r)^2\, dr,$$

where the second level Brownian Bridge $V_2(r)$ is given by $V_2(r) = W(r) + (2r - 3r^2)W(1) + (-6r + 6r^2)\int_0^1 W(s)ds$. The notation of the test statistics then stays the same:

$$\widehat{\eta_\tau} = \frac{\eta_t}{s^2(l)} = \frac{T^{-2}\sum_{t=1}^{T} S_t^2}{s^2(l)},$$

with the asymptotic distribution $\widehat{\eta_\tau} \to \int_0^1 V_2(r)^2\, dr$.

The critical values are provided in table 6:

Upper tail percentiles for the distribution $\widehat{\eta_\mu} \rightarrow \int_0^1 V(r)^2\, dr$				
Critical level:	0.10	0.05	0.025	0.01
Critical value:	0.347	0.463	0.574	0.739
Upper tail percentiles for the distribution $\widehat{\eta_\tau} \rightarrow \int_0^1 V_2(r)^2\, dr$				
Critical level:	0.10	0.05	0.025	0.01
Critical value:	0.119	0.146	0.176	0.216

Table 6: Upper tail critical values for η_μ and η_τ[229]

4.2.3. Conclusions Based on Empirical Findings

The results of the stationarity tests can be found in digital appendix F. For testing all three tests, we used the "Urca-Package" in R.[230] For the Augmented Dickey-Fuller Test we chose "drift" as our test type, as from visual inspection no trend was recognizable (case 2). We chose a lag of 100 to ensure that high autocorrelation had been considered. Comparing the test statistics with the theoretical statistics, we rejected the null-hypothesis for all of our 39 datasets on a 10%, 5%, and 1% significance level. This rejection indicated stationarity. For Philipp and Perron, we assumed a constant model, too. We tested both short and long versions of the lags used for the Newey-West estimator. The "Urca-Package" in R therefore uses a Bartlett window.[231] Again, we rejected the null hypothesis for both long and short lag versions for all of our 39 datasets on a 10%, 5%, and 1% significance level, indicating stationarity. For the KPSS test we chose type "mu", assuming a constant deterministic component and the long and short version of the Newey-West estimator again while short setting the number of lags to $\sqrt[4]{4 \times (\frac{n}{100})}$ and long to $\sqrt[4]{12 \times (\frac{n}{100})}$.[232] We accepted the null hypothesis for both long and short lag version on a 10%, 5%, and 1% for all of our 39 datasets, indicating stationarity. Since all three tests provide concordant results, we assume our data to be stationary.

[229] Cf. Kwiatkowski et al. 1992, p. 165ff.
[230] Cf. Pfaff et al. 2016.
[231] Cf. Pfaff et al. 2016, p. 51.
[232] Cf. Pfaff et al. 2016, p. 48.

4.3. Linear Stochastic Processes

4.3.1. White Noise Process

This chapter is devoted to autoregressive moving average models. This is necessary for our further GARCH analysis in section 4.4. since we want to prove whether or not the GARCH model needs a conditional mean model. We first provide explanations of white noise processes and autoregressive and moving average models. Following this, we outline the estimation and evaluation techniques of these models and present the conclusion based on our empirical results.

For the further explanations, it is necessary to provide knowledge about white noise processes. The basic idea of time-series analysis is to model complex processes through simple elements. The simplest one is represented by a white noise process. (Z_t) is a white noise process if (Z_t) is stationary,

$$\mathbb{E}Z_t = 0,$$

and

$$\gamma_Z(h) = \begin{cases} \sigma^2 & h = 0 \\ 0 & h \neq 0 \end{cases}.$$

A white noise process is denoted by $Z_t \sim WN(0, \sigma^2)$. This process is hence uncorrelated to time. Therefore, a prediction of future values is not possible due to the missing structure of the autocorrelation function. Hence, if (Z_t) is iid, this becomes $Z_t \sim IID(0, \sigma^2)$. If (Z_t) is, in addition, normally distributed, then $Z_t \sim IIN(0, \sigma^2)$. The white noise process is one of the easiest stochastic processes and is usable as a basis for the construction of more complex processes.[233]

[233] Cf. Neusser 2011, p. 14.

4.3.2. Autoregressive Models

Autoregressive models are based on the concept that the current value of the series (X_t) can be explained as a function of p past values, $x_{t-1}, x_{t-2}, \dots, x_{t-p}$, where p determines the number of steps into the past needed to forecast the current value. An autoregressive model of order p (AR(p)) is defined as

$$X_t = \phi_1 X_{t-1} + \phi_2 X_{t-2} + \cdots + \phi_p X_{t-p} + Z_t,$$

where X_t is stationary and $\phi_1, \phi_2, \dots, \phi_p$ are constant ($\phi_p \neq 0$). Unless otherwise stated, we assume that Z_t is a Gaussian white noise series with a mean of zero and a variance of σ_Z^2. Furthermore, we assume that the mean, μ, of X_t is zero. If it is not, we replace X by $X - \mu$, which leads us to

$$X_t - \mu = \phi_1 (X_{t-1} - \mu) + \phi_2 (X_{t-2} - \mu) + \cdots + \phi_p (X_{t-p} - \mu) + Z_t.$$ [234]

4.3.3. Moving Average Models

As an alternative to the AR(p) process, the moving average model of order q (MA(q)) assumes white noise Z_t on the right-hand side of the defining equation

$$X_t = \theta_0 Z_t + \theta_1 Z_{t-1} + \cdots + \theta_q Z_{t-q},$$

with $\theta_0 = 1$, $\theta_q \neq 0$, and $Z_t \sim WN(0, \sigma^2)$. For this process, $\mathbb{E}X_t = \mathbb{E}Z_t + \theta_1 \mathbb{E}Z_{t-1} + \cdots + \theta_q \mathbb{E}Z_{t-q} = 0$ is valid due to the white noise properties of Z_t.[235]

[234] Cf. Shumway and Stoffer 2011, p. 84ff.
[235] Cf. Neusser 2011, p. 23.

4.3.4. ARMA Models

ARMA models provide a more precise level of time-series modeling.

If (X_t), with $t \in \mathbb{T}$, is a stochastic process, then (X_t) is an autoregressive moving average process of the order (p, q). It is termed a ARMA(p,q) process if (X_t) is stationary and fulfills the following stochastic difference equation:

$$X_t - \phi_1 X_{t-1} - \cdots - \phi_p X_{t-p} = Z_t + \theta_1 Z_{t-1} + \cdots + \theta_q Z_{t-q},$$

with $Z_t \sim WN(0, \sigma^2)$ and $\phi_p \theta_q \neq 0$. (X_t) is considered a ARMA(p,q) process with mean μ if $(X_t - \mu)$ is an ARMA(p,q) process. Every stationary process can be approximated by an ARMA process of any desired level of accuracy. A c is often added often on the right side of the difference equation for ARMA(p,q) processes with mean μ:

$$X_t - \phi_1 X_{t-1} - \cdots - \phi_p X_{t-p} = c + Z_t + \theta_1 Z_{t-1} + \cdots + \theta_q Z_{t-q}.$$

The mean of X_t is then $\mu = \frac{c}{1-\phi_1-\cdots-\phi_p}$. Hence, the mean is only defined for $\phi_1 + \cdots + \phi_p \neq 1$.[236]

ARMA models require stationary data. For non-stationary data the concept of ARIMA is utilized (autoregressive integrated moving average model). These models are based on the assumption that non-stationary data become stationary after d-times of differentiation.[237] Since we only work with stationary data, we do not explain this concept further.

[236] Cf. Neusser 2011, p. 21f.
[237] Cf. Neusser 2011, p. 109.

4.3.5. Estimation of ARMA(p,q) Model

4.3.5.1. Choice of the orders p and q

To correctly choose the p and q of an ARMA model, it is recommended to have a good understanding of the time series' ACF and partial ACF (PACF). As explained in subsection 4.2.1., the ACF is a measure of association between -1 and 1 and measures the linear predictability of the series at time t, e.g., X_t using only the value X_s. Since ACF will be zero for MA(q)-models for lags greater than q,[238] the ACF provides information about the order of the dependence when the process is a moving average process. However, if the process is ARMA or AR, the ACF does not provide relevant information about the order of dependence on a standalone basis. Therefore, we introduce PACF as a function that behaves for AR processes in the same way an ACF does for MA processes. To motivate the idea, consider a causal AR(1) model $X_t = \phi X_{t-1} + Z_t$, which provides

$$\gamma_x(2) = cov(X_t, X_{t-2}) = cov(\phi X_{t-1} + Z_t, X_{t-2})$$
$$= cov\left(\phi^2 X_{t-2} + \phi Z_{t-1} + Z_{t,} X_{t-2}\right) = \phi^2 \gamma_x(0).$$

This result follows from causality[239] since X_{t-2} involves $(Z_{t-2}, Z_{t-3}, \dots)$, which are all uncorrelated with Z_t and Z_{t-1}. Hence, the correlation between X_t and X_{t-2} is not zero, as it would be for an MA(1) process, since X_t is dependent on X_{t-2} through X_{t-1}. Removing X_{t-1} breaks the chain of dependency and leads to the concept of PACF, where the correlation between X_s and X_t, with the linear effect of everything "in the middle", is removed. For the formal definition, let $\hat{X}_{t+h}$; for $h \geq 2$, denote the regression of X_{t+h} on $(x_{t+h-1}, x_{t+h-2}, \dots, x_{t+1})$, which can be written as

$$\hat{X}_{t+h} = \beta_1 X_{t+h-1} + \beta_2 X_{t+h-2} + \cdots + \beta_{h-1} X_{t+1.}$$

No intercept needs to be included here as the mean of X_t is zero. In addition, let $\hat{X}_t$ denote the regression of X_t on $(X_{t+1}, X_{t+2}, \dots, X_{t+h-1})$, then

[238] See Neusser 2011, p. 23 for further details about the behavior of autocovariance and autocorrelation functions of a MA(q) processes.
[239] The term causal is based on the assumption that only events in the past can have an effect on the future, but not vice versa. Cf. Neusser 2011, p. 27.

$$\hat{X}_t = \beta_1 X_{t+1} + \beta_2 X_{t+2} + \cdots + \beta_{h-1} X_{t+h-1}.$$

As we assume stationarity, the coefficients $\beta_1, \ldots \beta_{h-1}$ are the same for both regressions. PACF, for a stationary time series X_t, is defined as

$$\alpha_{11} = corr(X_{t+1}, X_t) = \rho(1)$$

and

$$\alpha_{hh} = corr\left(X_{t+h} - \hat{X}_{t+h}, X_t - \hat{X}_t\right), h \geq 2,$$

where both $(X_{t+h} - \hat{X}_{t+h})$ and $(X_t - \hat{X}_t)$ are uncorrelated with $(X_{t+1}, X_{t+2}, \ldots, X_{t+h-1})$. The PACF, α_{hh}, is the correlation between X_{t+h} and X_t, with the linear dependence of $(X_{t+1}, X_{t+2}, \ldots, X_{t+h-1})$ removed for both. If (X_t) is Gaussian, then $\alpha_{hh} = corr(X_{t+h}, X_t \mid X_{t+1}, \ldots, X_{t+h-1})$, where α_{hh} is the correlation coefficient between X_{t+h} and X_t is the bivariate distribution of (X_{t+h}, X_t), conditional on $(X_{t+1}, X_{t+2}, \ldots, X_{t+h-1})$.[240]

To see how PACF is used for the choice estimation of p and q, it is worthwhile looking at PACF for AR(p) and MA(q) processes. In the case of a PACF for an AR(p), the model process implies $X_{t+h} = \sum_{j=1}^{p} \phi_j X_{t+h-j} + Z_{t+h}$. When $h > p$, the regression of X_{t+h} on $(X_{t+1}, X_{t+2}, \ldots, X_{t+h-1})$ is $\hat{X}_{t+h} = \sum_{j=1}^{p} \phi_j X_{t+h-j}$.
When $h > p$,

$$\alpha_{hh} = corr\left(X_{t+h} - \hat{X}_{t+h}, X_t - \hat{X}_t\right) = corr\left(Z_{t+h}, X_t - \hat{X}_t\right) = 0,$$

since $X_t - \hat{X}_t$ depends only on $(Z_{t+h-1}, Z_{t+h-2}, \ldots)$ due to causality. If $h \leq p$, α_{pp} is not zero and $\phi_{11}, \ldots, \phi_{p-1,\ p-1}$ are not necessarily zero.

An invertible MA(q) process can be written as $X_t = -\sum_{j=1}^{\infty} \pi_j X_{t-j} + Z_t$. No finite representation exists and, hence, the PACF will never cut off, as in the case of an AR(p). For a MA(1) in general,

[240] Cf. Shumway and Stoffer 2011, p. 105f.; all parameters are adjusted to those used by Neusser, 2011.

$$\alpha_{hh} = -\frac{(-\theta)^h(1-\theta^2)}{1-\theta^{2(h+1)}}, h \geq 1.$$

These results can be summarized as follows:

	AR(p)	MA(q)	ARMA(p,q)
ACF	Tails off	Cuts off after lag q	Tails off
PACF	Cuts off after lag p	Tails off	Tails off

Table 7: Behavoir of ACF and PACF function for AR(p) and MA(q) processes[241]

4.3.5.2. Estimation of ARMA(p,q) Model

The standard technique for estimating an ARMA model is the maximum-likelihood method. Since the parameters of an AR(p) process are easy to estimate for the whole ARMA process, it is more difficult. This is because $Z_t, Z_{t-1}, \ldots, Z_{t-q}$ are not directly observable, which is why the maximum-likelihood method is used. We take a causal and invertible process

$$X_t - \phi_1 X_{t-1} - \cdots - \phi_p X_{t-p} = Z_t + \theta_1 Z_{t-1} + \cdots + \theta_q Z_{t-q}$$

as a basis, with $(Z_t) \sim IID\ (0, \sigma^2)$ and both $\Phi(z)$ and $\Theta(z)$ having no joint zero position. The parameters of the model are composed of the vector $\beta = (\phi_1, \ldots, \phi_p, \theta_1, \ldots, \theta_p)'$ and the scalar σ^2. Assuming the above-given values, the parameter space for β, $\mathcal{C}$ is provided by

$$\mathcal{C} = \left\{ \begin{array}{c} \beta \in \mathbb{R}^{p+q} : \Phi(z)\Theta(z) \neq 0 \text{ for } z \leq 1, \phi_p \theta_p \neq 0, \\ \Phi(z)\Theta(z) \text{ have no joint zero position} \end{array} \right\}$$

The maximum likelihood method tries to find solutions for β and σ^2, based on assumptions of the joint distribution $\boldsymbol{X}_T = (X_1, \ldots, X_T)'$, which maximize the probability for observing a given sample $\boldsymbol{x}_T = (x_1, \ldots, x_T)$. The density of the joint distribution is denoted as "likelihood function". If (X_t) is a Gaussian process with a mean of zero and

[241] Cf. Shumway and Stoffer 2011, p. 108.

autocovariance γ, then $\boldsymbol{X}_T = (X_1, \dots, X_T)'$ has a multivariate normal distribution with a mean of zero and the variance-covariance matrix Γ_T. The Gaussian likelihood function, given the observation $\boldsymbol{x}_T$, $L_T(\beta,\ \sigma^2|\boldsymbol{x}_T)$, is therefore

$$L_T(\beta,\ \sigma^2|\boldsymbol{x}_T) = (2\pi)^{-\frac{T}{2}} (\det \Gamma_T)^{-1/2} \exp\left(-\frac{1}{2}\boldsymbol{x}'_T \Gamma_T^{-1} \boldsymbol{x}_T\right)$$

$$= (2\pi\sigma^2)^{-\frac{T}{2}} (\det G_T)^{-1/2} \exp\left(-\frac{1}{2\sigma^2} x'_T G_T^{-1} \boldsymbol{x}_T\right),$$

with $G_T = \sigma^{-2}\Gamma_T$. The following step is to define β and σ^2 in that way that the value of the likelihood method is maximized. By differentiating the logarithm of $\boldsymbol{L}_T(\beta,\ \sigma^2|\boldsymbol{x}_T)$ with respect to σ^2 and setting this equal to zero, the optimal value for σ^2 can be calculated:

$$\frac{\partial L_T(\beta, \sigma^2|\boldsymbol{x}_T)}{\partial\ \sigma^2} = -\frac{T}{2}\frac{1}{\sigma^2} + \frac{\boldsymbol{X}'_T G_T^{-1} \boldsymbol{X}_T}{2\ \sigma^4} = 0.$$

Solving this equation, the result for σ^2 is $\sigma^2 = T^{-1}\boldsymbol{X}'_T G_T^{-1} \boldsymbol{X}_T$. Inserting the result in the logarithmical likelihood function leads to the concentrated logarithmized likelihood function

$$ln\ L_T(\beta|\boldsymbol{x}_T) = -\ln(2\pi) - \frac{T}{2}\ln(T^{-1}\boldsymbol{x}'_T G_T(\beta)^{-1} x_T) - \frac{1}{2}\ln\det G_T(\beta) - \frac{T}{2}.$$[242]

This function gets maximized over $\beta \in \mathcal{C}$, which is equivalent to the minimization of

$$l_T(\beta|\boldsymbol{x}_T) = \ln(T^{-1}\boldsymbol{x}'_T G_T(\beta)^{-1} x_T) + T^{-1}\ln\det G_T(\beta) \min_{\beta\in\mathcal{C}}.$$

The value of β that maximizes the above given function is the maximum likelihood estimator $\hat{\beta}_{ML}$. The maximum likelihood estimator for σ^2 is, hence, defined by

[242] As G_T only depends on β and not on σ^2, G_T is written here as $G_T(\beta)$ to highlight this fact (Neusser 2011, p.77. See also the different calculations for the autocovariance functions in section 2.4. of Neusser, where this fact becomes clear).

$$\hat{\sigma}^2_{ML} = T^{-1}\boldsymbol{x}'_T G_T(\hat{\beta}_{ML})^{-1}\boldsymbol{x}_T.$$

Since the numeric computation of $\det G_T(\beta)$ and $G_T(\beta)^{-1}$ is intricate, these terms are, in practice, replaced through corresponding algorithms, such as the innovation algorithm. That allows for numeric computation and a more suitable representation of the likelihood function

$$L_T(\beta, \sigma^2|\boldsymbol{x}_T) = (2\pi\sigma^2)^{-\frac{T}{2}}(m_0 m_1 \dots m_{T-1})^{-1/2}\exp\left(-\frac{1}{2\sigma^2}\sum_{t=1}^{T}\frac{(X_t - \mathbb{P}_{t-1}X_t)^2}{m_t - 1}\right),$$

where m_t is defined as $\frac{w_t}{\sigma^2}$, with w_t as the mean squared forecast error, and $\mathbb{P}_T X_{T+h}$ represents the linear forecast function $\mathbb{P}_T X_{T+h} = \alpha_0 + \alpha_1 X_T + \cdots + \alpha_T X_1 = \alpha_0 + \sum_{i=1}^{T}\alpha_i X_{T+1-i}$. Since $\mathbb{P}_{t-1}X_t$ and m_t do not depend on σ^2, partial differentiation of $ln\, L_T(\beta|\boldsymbol{x}_T)$ regarding the model parameter provides the maximum likelihood estimator. This fulfills

$$\hat{\sigma}^2{}_{ML} = \frac{1}{T}S(\hat{\beta}_{ML}),$$

where

$$S(\hat{\beta}_{ML}) = \sum_{t=1}^{T}\frac{(X_t - \mathbb{P}_{t-1}X_t)^2}{m_t - 1}.$$

Furthermore, $\hat{\beta}_{ML}$ is represented by the value of β, which minimizes the function

$$\ell_T(\beta|\boldsymbol{x}_T) = \ln\left(\frac{1}{T}S(\beta)\right) + \frac{1}{T}\sum_{t=1}^{T}\ln m_{t-1}$$

under the constraint $\beta \in \mathcal{C}$. The minimization problem must be solved numerically, meaning that starting values are often chosen from $\mathcal{C}$.[243] In R, the default setting for finding the right ARIMA parameters is the use of the conditional sum of squares method for finding starting values and then the use of maximum likelihood method.[244] The conditional sum of squares is represented by $S(\hat{\beta}_{ML})$.[245] Least square estimation $\hat{\beta}_{LS}$ of β

[243] Cf. Neusser 2011, p. 76ff., linear forecast function is represented on p. 53.
[244] Cf. Hyndman 2019, p. 11.
[245] Cf. Shumway and Stoffer 2011, p. 125ff.

is calculated by minimizing $S(\beta)$ instead of $\ell_T(\beta|\boldsymbol{x}_T)$, where $\beta \in \mathcal{C}$. Least square estimation $\hat{\sigma}^2$ becomes $\hat{\sigma}^2{}_{LS} = \frac{S(\hat{\beta}_{LS})}{T-p-q}$. Given $\beta \in \mathcal{C}$, the mean squared one-step forecast error w_t tends for T to infinity to σ^2 and, therefore, m_T tends to 1. As such, $\frac{1}{T}\sum_{t=1}^{T} \ln m_{t-1}$ is asymptotically negligible. Hence, for T towards infinity, the maximization of the maximum likelihood is equivalent to the minimization of the least square method, which is why both converge asymptotically to the same normal distribution.[246]

4.3.6. Ljung Box Test, ACF, and PACF

There are two approaches to investigate whether the financial return data require either an ARMA model or a conditional mean model in the GARCH context: Firstly, the ACF and PACF of the daily returns can be investigated to check for serial correlation, as described in subsection 4.3.5.1.[247] Since both ACF and PACF are based on a visual inspection, it is not completely clear whether the data are serial correlated or not. That is why we, secondly, make use of an empirical test. To prove whether the autocovariance is significant up to lags 5, 10, 15, or 20, the Box-Pierce statistic or the Ljung Box statistic may be used, respectively. The Box-Pierce statistic tests the null-hypothesis $\rho(1) = \rho(2) = \cdots = \rho(N) = 0, N = 1,2,$ ... The statistic is given by

$$Q = T\sum_{h=1}^{N} \hat{\rho}^2(h).$$

Under the null-hypothesis (X_t), a white noise process is asymptotically χ^2_N distributed. The Ljung Box statistic considers that the estimator of $\rho(h)$ correlations for large h values is based on lower values than for smaller h values. The test statistic is given by

$$Q' = T(T+2)\sum_{h=1}^{N} \frac{\hat{\rho}^2(h)}{T-h}$$

[246] Cf. Neusser 2011, p. 78f.
[247] Cf. Pfaff et al. 2016 and Zivot 2009.

and is asymptotically χ^2_N distributed too. The null-hypothesis is rejected for high values of Q and Q', respectively, and the critical values are determined by the χ^2_N distribution. The number of summands is commonly chosen to be between 5, 10, 15 and 20.[248] If the null hypothesis that all autocorrelations up to the tested lags are zero is rejected, this suggests that a conditional mean model is needed.[249]

4.3.7. Conclusions Based on Empirical Findings

Figure 7 displays the ACF and PACF for the in-sample Electricity returns of lags 0 to 20. The other figures are presented in digital appendix G.

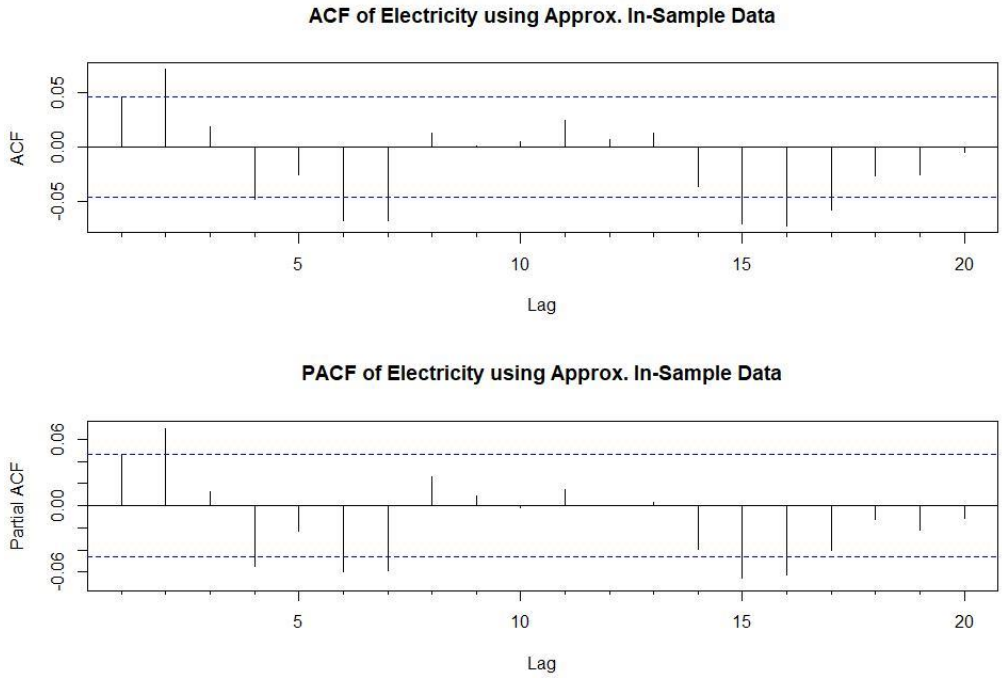

Figure 7: ACF and PACF of elecricity using approximated in-sample data

Based on the visual inspection of this example, it is clear that serial autocorrelation is occurring since lag 2, 4, 6 and 7 display significant results. To strengthen this result, and also for our other datasets, we investigated the Ljung Box test. If the null hypothesis that all autocorrelations up to lags tested at 5, 10, 15, and 20 is rejected, the use of a conditional mean model is suggested. This is, indeed, the case for the electricity returns. The results

[248] Cf. Neusser 2011, p. 42ff.
[249] Cf. Francq and Zakoian 2010, p. 108f.

of the other time series are presented in the table contained within digital appendix H. The same results occur for the following categories: cattle, aluminum, coffee, cotton, wheat, soybeans, forest and paper, electricity, fixed line communication, gas, water and multiutilities, industrial transportation, mobile telecommunication, oil and gas producers, oil, equipment services and distribution, airlines, real estate investment and services, REITS, beverages, STOXX Europe Total Market index, automobile and parts, and Bitcoin. The null hypothesis is accepted for all lags in the cases of cocoa, copper, lead, nickel, zinc, petroleum, software and computer services, REX, and DAXsubsector All Private Equity & Venture Capital. Mixed results are found for gold, silver, sugar, lean hogs, natural gas, alternative energy, technological equipment and hardware, chemicals and Litecoin.

For all time series where all lags were rejected and for those showing mixed results, we assume the need of a conditional mean model. To calculate that we used the auto.arima command in R, which includes all the calculation steps we presented before using maximum likelihood for parameter estimation.[250] For time series where all lags were accepted, we calculated a conditional mean model for the series with the auto.arima command too. We did this for three reasons: firstly, we wanted to see whether auto.arima confirms our results with a (0,0,0) model, which is identical to a white noise; secondly, we wanted to keep the heuristic procedure for all datasets homogenous; thirdly, our focus on the study is to find a comprehensive GARCH model, which is why there is no extensive focus on the conditional mean model. All of the auto.arima results are found in the table of digital appendix I. The white noise process was confirmed for lead, zinc, petroleum, and DAXsubsector All Private Equity & Venture Capital. For cocoa, copper, nickel, software and computer services, and REX, we decided to take the results of the auto.arima process to keep the procedure homogenous for all datasets. For the auto.arima process, we forced stationary results and did not allow a mean.[251]

[250] Cf. Hyndman 2019.

[251] At this point, we should mention that one may wonder whether a single ARMA model is sufficient to describe our data. In fact, we did exactly that at the beginning of our empirical work with a shorter dataset. We proved auto.arima, auto.arima with fourier terms an ETS Model, TBATS model, ARIMA with seasonal adjusted data via STL decomposition and a single STL decomposition (see Hyndman 2020 for more information). However, the results were not satisfactory. Therefore, we decided to extend the dataset to the existing one and to take the GARCH models into consideration. For model evaluation, we used Akaike Information Criterion, and the loss function RMSE, concepts further explained in subsection 4.4.5.

4.4. Volatility Models and Statistical Inference

4.4.1. Models

4.4.1.1. ARCH

Financial return time series are often subject to strong fluctuations. Periods of high volatility are followed by periods of low volatility. These amplitudes are, hence, positively autocorrelated since, with a high probability, high deflection in the amplitudes are followed by high deflections and low deflections are followed by low deflections in amplitude, a relationship that is in line with our findings in our section on stylized facts in subsection 3.2.2. Henceforth, the conditional variance (that is, the variance conditional on the past and is denoted as σ_t^2 throughout this section) of the one-step ahead forecast error is no longer constant (homoscedastic) but heteroscedastic. This phenomenon, which is mainly observed with high-frequency data (such as daily data) led to a large number of models that seek to capture these systemic changes in volatility.[252] Since ARMA models are traditional linear time-series models, they do not cover these stylized facts of financial return time series, which is in line with several findings in the literature and our own, outlined in footnote 251. An ARMA model for a series (Z_t) has the property that the conditional variance σ_t^2 of (Z_t) given $(Z_s, s < t)$ is independent of both t and $(Z_s, s < t)$.[253] To face this problem, Engle developed the ARCH (autoregressive conditional heteroskedasticity) model in 1982, which allows the conditional variance to depend on the past realizations of the series.[254] We present the ARCH model here to provide the fundamental basis for the GARCH models.

The main idea of ARCH is to incorporate the sequence (σ_t^2) into the model which leads to the following concept:

$$Z_t = \sigma_t e_t,$$

where $\{e_t\} \sim IID\ N(0,1)$ and (σ_t^2) is related to the past values of Z_t^2 via

[252] Cf. Neusser 2011, p. 139, Francq and Zakoian 2010, p. 19.
[253] Cf. Brockwell and Davis 2016, p. 196.
[254] Cf. Engle 1982.

$$\sigma_t^2 = \alpha_0 + \sum_{j=1}^{p} \alpha_j Z_{t-j}^2$$

for positive integer p, where $\alpha_0 > 0$ and $\alpha_j \geq 0, j = 1, \dots, p$.[255]

4.4.1.2. GARCH

The well-known GARCH (generalized ARCH) model introduced by Bollerslev[256] in 1986 as an extension of ARCH provides a more general relation and allows for a parsimonious parameterization:

$$\sigma_t^2 = \alpha_0 + \sum_{j=1}^{p} \alpha_j Z_{t-j}^2 + \sum_{j=1}^{q} \beta_j \sigma_{t-j}^2,$$

with $\alpha_0 > 0$ and $\alpha_j, \beta_j \geq 0, j = 1,2 \dots$. In financial data analysis, it is usually the case that better fits to data are obtained by relaxing the Gaussian assumption $Z_t = \sigma_t e_t, \{e_t\} \sim IID\ N(0,1)$ and supposing instead that the distribution has a heavier tailed zero-mean distribution (i.e., Student's t-distribution). To implement distributions like this, a GARCH(p,q) process can be defined as a stationary process (Z_t), with $Z_t = \sigma_t e_t, (e_t) \sim IID\ (0,1)$. In addition, it is usually assumed that either $(e_t) \sim N\ (0,1)$ or $\sqrt{\frac{v}{v-2}}\, e_t \sim t_v, v > 2$, where t_v denotes Student's t-distributions with v degrees of freedom. $\sqrt{\frac{v}{v-2}}$ is introduced to make the variance of e_t equal to 1.[257] As introduced, we analyze normal, Student's t- and general error distributions, which are explained in subsection 4.4.2 in more detail.

As mentioned above, one observed behavior of financial data is volatility clustering, which GARCH models are able to capture. This fact may be quantified in the persistence parameter. For the GARCH model this may be calculated as

[255] Cf. Brockwell and Davis 2016, p. 196.
[256] Cf. Bollerslev 1986.
[257] Cf. Brockwell and Davis 2016, p. 200f.

$$\hat{P} = \sum_{j=1}^{p} \alpha_j + \sum_{j=1}^{q} \beta_j.$$ [258]

For a stationary solution, $\hat{P}$ must be smaller than 1.[259]

4.4.1.3. IGARCH

The perception of the GARCH model leads us to the further extension of GARCH: the IGARCH model. When

$$\hat{P} = \sum_{j=1}^{p} \alpha_j + \sum_{j=1}^{q} \beta_j = 1,$$

the model is called an integrated GARCH(p,q) model or IGARCH(p,q) model.[260]

4.4.1.4. EGARCH

To consider different impacts of positive and negative values of e_t in the definition of the GARCH process and allow for different impacts on $\sigma_s^2, s > t$, Nelson (1991)[261] introduced the exponential GARCH model (EGARCH).[262] The exponential GARCH model is defined as

$$\ln(\sigma_t^2) = \alpha_0 + \sum_{j=1}^{p} \left(a_j e_{t-j} + \gamma_j \left(|e_{t-j}| - E|e_{t-j}| \right) \right) + \sum_{j=1}^{q} \beta_j ln(\sigma_{t-j}^2),$$

with a_j capturing the sign effect and γ_j in this subsection the size effect. The expected value of the absolute standardized innovation e_t is given by

[258] Cf. Ghalanos 2020, p. 7.
[259] Cf. Francq and Zakoian 2010, p. 37f.
[260] Cf. Ghalanos 2020, p. 7.
[261] Cf. Nelson 1991.
[262] Cf. Brockwell and Davis 2016, p. 205.

$$E|e_t| = \int_{-\infty}^{\infty} |e|\, f(e, 0,1, \dots) de$$

.

For model evaluating purposes, the persistence $\hat{P}$ of the model is necessary. For EGARCH models, the persistence is obtained through

$$\hat{P} = \sum_{j=1}^{q} \beta_j.$$ [263]

4.4.1.5. GJR-GARCH

The GJR GARCH model, developed by Glosten et al.[264], asymmetrically models positive and negative shocks on the conditional variance via the use of the indicator function I. The model is represented by

$$\sigma_t^2 = \alpha_0 + \sum_{\mathrm{j}=1}^{p} \left(a_j {Z^2}_{t-\mathrm{j}} + \gamma_j I_{t-\mathrm{j}} {Z^2}_{t-j}\right) + \sum_{j=1}^{q} \beta_j \sigma_{t-j}^2,$$

where γ_j in this subsection represents the "leverage" term. The indicator function I takes the value of 1 for $Z \leq 0$ and 0 otherwise. The persistence $\hat{P}$ of the model depends on the asymmetry of the conditional distribution, used because the indicator function is present. This is given by

$$\hat{P} = \sum_{j=1}^{p} a_j + \sum_{j=1}^{q} \beta_j + \sum_{j=1}^{p} \gamma_j\, \kappa,$$

where κ represents the expected value of the standardized residuals e_t below 0 (effectively the probability of being below zero), and

$$\kappa = E\left[I_{t-j} e_{t-j}^2\right] = \int_{-\infty}^{0} f(e, 0,1, \dots) de,$$

[263] Cf. Ghalanos 2020, p. 7; the formula was adapted according to Neusser 2011 and Brockwell and Davis 2016.
[264] Cf. Glosten et al. 1993.

where f represents the standardized conditional density with any additional skew and shape parameters $(\dots)$. In the case of symmetric distributions, the value of κ is simply equal to 0.5.[265]

4.4.1.6. CS-GARCH

This model was developed by Lee and Engle[266] in 1999. The component standard GARCH (csGARCH) model decomposes the conditional variance into a permanent and transitory component to investigate the long- and short-run movements of volatility affecting securities. If q_t represents the permanent component of the conditional variance, the component model is defined as the following:

$$\sigma_t^2 = q_t + \sum_{j=1}^{p} a_j\left({Z^2}_{t-j} - q_{t-j}\right) + \sum_{j=1}^{q} \beta_j\left(\sigma_{t-j}^2 - q_{t-j}\right)$$

$$q_t = a_0 + \rho q_{t-1} + \phi\left({Z^2}_{t-1} - \sigma_{t-j}^2\right),$$

where the intercept of the GARCH model is now time-varying, following first order autoregressive type dynamics. $\sigma_{t-j}^2 - q_{t-j}$ represents the transitory component of the conditional variance. The stationary conditions are that the sum of the (a, β) coefficients be less than 1 and that $\rho < 1$, effectively the persistence of the transitory and permanent components.[267]

[265] Cf. Ghalanos 2020, p. 7f.
[266] Cf. Lee and Engle 1999.
[267] Cf. Ghalanos 2020, p. 11f.

4.4.2. Conditional Distributions

4.4.2.1. Normal Distribution

As mentioned in subsection 4.4.1.2, we test the different GARCH models with different innovation distributions, which are introduced in the further subsections.

The normal distribution is completely described by its first two moments, mean and variance. A random variable x is said to be normal distributed with mean μ and variance σ^2, with its density given by

$$f(x) = \frac{\exp\left(\frac{-0.5\,(x-\mu)^2}{\sigma^2}\right)}{\sigma\sqrt{2\pi}}.$$

The residuals Z, standardized by σ, yield the normal density function given by

$$f\left(\frac{x-\mu}{\sigma}\right) = \frac{1}{\sigma}\,f(e) = \frac{1}{\sigma}\left(\frac{\exp\left(-0.5e^2\right)}{\sqrt{2\pi}}\right).$$ [268]

4.4.2.2. Student's t-Distribution

The Student's t-distribution is completely described by a shape parameter ν. For standardization we use its three-parameter representation:

$$f(x) = \frac{\Gamma\left(\frac{\nu+1}{2}\right)}{\sqrt{\beta\nu\pi}\,\Gamma\left(\frac{\nu}{2}\right)}\left(1+\frac{(x-\alpha)^2}{\beta\nu}\right)^{-\left(\frac{\nu+1}{2}\right)},$$

[268] Cf. Ghalanos 2020, p. 18.

with α, β, and ν as location, scale and shape parameters, respectively. Γ is the Gamma function. The Student's t-distribution is a unimodal and symmetric distribution, where the location parameter α is the mean and mode of the distribution and the variance is

$$Var(x) = \frac{\beta\nu}{(\nu - 2)},$$

For the purposes of standardization, we require

$$Var(x) = \frac{\beta\nu}{(\nu - 2)} = 1,$$

which leads to

$$\frac{\nu - 2}{\nu} = \beta,$$

Substituting $\frac{\nu-2}{\nu}$ into the three-parameter representation, the standardized Student's t-distribution is given by

$$f\left(\frac{x-\mu}{\sigma}\right) = \frac{1}{\sigma}\, f(e) = \frac{1}{\sigma}\frac{\Gamma\left(\frac{\nu+1}{2}\right)}{\sqrt{(\nu-2)\pi}\,\Gamma\left(\frac{\nu}{2}\right)}\left(1 + \frac{e^2}{(\nu-2)}\right)^{-\left(\frac{\nu+1}{2}\right)}.$$

R's standard implementation of Student's density "dt" is represented by

$$\frac{dt\left(\frac{Z_t}{\sigma\sqrt{(\nu-2)/\nu}}, \nu\right)}{\sigma\sqrt{(\nu-2)/\nu}}.$$

The Student's t-distribution has zero skewness and excess kurtosis equal to $6/(\nu - 4)$ for $\nu > 4$.[269]

[269] Cf. Ghalanos 2020, p. 18f.

4.4.2.3. General Error Distribution

The General Error Distribution is also a three-parameter distribution. This distribution belongs to the exponential family and has a conditional density that is given by

$$f(x) = \frac{\kappa \exp\left(-0.5\left|\frac{x-\alpha}{\beta}\right|^{\kappa}\right)}{2^{1+\kappa^{-1}}\beta\Gamma(\kappa^{-1})},$$

with α, β, and κ here representing location, scale, and shape parameters, respectively. The distribution is both symmetric and unimodal, which is why the location parameter also represents the mode, median and mean of the distribution. The variance and kurtosis are provided by

$$var(x) = \beta^2 2^{2/\kappa}\frac{\Gamma(3\kappa^{-1})}{\Gamma(\kappa^{-1})}$$

and

$$Kurtosis(x) = \frac{\Gamma(5\kappa^{-1})\Gamma(\kappa^{-1})}{\Gamma(3\kappa^{-1})\Gamma(3\kappa^{-1})}.$$

The density becomes increasingly flat as κ decreases, while the distribution tends towards the uniform as $\kappa \to \infty$. Standardization involves rescaling the density to have unit standard deviation:

$$var(x) = \beta^2 2^{2/\kappa}\frac{\Gamma(3\kappa^{-1})}{\Gamma(\kappa^{-1})} = 1,$$

which leads to

$$\beta = \sqrt{2^{-2/\kappa}\frac{\Gamma(\kappa^{-1})}{\Gamma(3\kappa^{-1})}}.$$

Substituting this into the scaled density of e:

$$f\left(\frac{x-\mu}{\sigma}\right) = \frac{1}{\sigma}\, f(e) = \frac{1}{\sigma} \frac{\kappa \exp\ -0.5 \left| \sqrt{2^{-2/\kappa} \frac{\Gamma(\kappa^{-1})}{\Gamma(3\kappa^{-1})}} e \right|^{\kappa}}{\sqrt{2^{-2/\kappa} \frac{\Gamma(\kappa^{-1})}{\Gamma(3\kappa^{-1})}} 2^{1+\kappa^{-1}} \Gamma(\kappa^{-1})}.$$ [270]

4.4.3. Estimation of GARCH by Quasi-Maximum-Likelihood

For the calculation of the volatility models, we use the maximum likelihood method. We assume the following mean equation:

$$X_t = c + \phi_1 X_{t-1} + \cdots + \phi_r X_{t-r} + Z_t.$$

For this equation, $Z_t = \sigma e_t$, with $e_t \sim IIDN(0,1)$ and the variance equation for $\sigma_t^2 = \alpha_0 + \sum_{j=1}^{p} \alpha_j Z_{t-j}^2 + \sum_{j=1}^{q} \beta_j \sigma_{t-j}^2$. The mean equation is, therefore, an AR(r) process. We further assume that the coefficients of the variance equation are positive, thereby allowing for $\sum_{j=1}^{p} \alpha_j + \sum_{j=1}^{q} \beta_j < 1$ and $\mathbb{E}{Z_t}^4 < \infty$. As $e_t \sim IIDN(0,1)$, the distribution of X_t conditional to $\mathfrak{X}_{t-1} = (X_{t-1}, X_{t-2}, \dots)$ is normally distributed with a mean $c + \phi_1 X_{t-1} + \cdots + \phi_r X_{t-r}$ and variance σ_t^2. As such, the density is denoted as

$$f(X_t|\mathfrak{X}_{t-1}) = \frac{1}{\sqrt{2\pi\sigma_t^2}} exp\left(-\frac{Z_t^2}{2\sigma_t^2}\right),$$

with $Z_t = X_t - \phi_1 X_{t-1} + \cdots + \phi_r X_{t-r}$ and σ_t^2 given by the variance equation. The density function $f(X_1, X_2, \dots, X_T)$ of a random sample $(X_1, X_2, \dots, X_T)$ can be factorized as follows:

$$f(X_1, X_2, \dots, X_T) = f(X_1, X_2, \dots, X_{s-1}) \prod_{t=s}^{T} f(X_t|\mathfrak{X}_{t-1}),$$

[270] Cf. Ghalanos 2020, p. 19.

where s represents an integral number bigger than p. The first $s-1$ observations do not need to be split further since, σ_t^2 within the ARCH(p) model, σ_t^2 is only defined for $s > p$. For ARCH, $s = p + 1$ is possible. In the GARCH model, σ_t^2 is given by an infinite weighted sum of $Z_{t-1}^2, Z_{t-2}^2, \ldots$. In finite samples, this infinite sum has to be approximated by a finite sum with s summands.

We summarize the parameter of the model to $\phi = (\phi_1, \ldots, \phi_r)', \alpha = (\alpha_0, \alpha_1, \ldots, \alpha_p)'$ and $\beta = (\beta_1, \ldots, \beta_q)'$. Given the realization $x = (x_1, x_2, \ldots, x_T)$, the likelihood-function conditional to $x, L(\phi, \alpha, \beta|x)$ is defined as

$$L(\phi, \alpha, \beta|x) = f(x_1, x_2, \ldots, x_{s-1}) \prod_{t=s}^{T} f(X_t|\mathfrak{X}_{t-1}),$$

whereas the random samples in $\mathfrak{X}_{t-1}$ are replaced by their realizations. The likelihood function can be interpreted as the probability of observing the actual sample. The Maximum-Likelihood now defines the parameters (ϕ, α, β) so that that likelihood function is maximized, thereby providing the Maximum Likelihood estimator. For practical reasons, the logarithm of the likelihood function is often used:

$$ln\, L(\phi, \alpha, \beta|x) = \sum_{t=s}^{T} \ln\, f(x_t|\mathfrak{X}_t) = -\frac{T}{2} \ln 2\pi - \frac{1}{2} \sum_{t=s}^{T} \ln \sigma_t^2 - \frac{1}{2} \sum_{t=s}^{T} \frac{z_t^2}{\sigma_t^2},$$

where $z_t = x_t - c - \phi_1 x_{t-1} - \cdots - \phi_r x_{t-r}$ as realizations of Z_t. The Maximum Likelihood estimator is then computed by maximizing the above equation. For e_t that are not normally distributed, the Maximum Likelihood estimator is then called the Quasi Maximum Likelihood estimator.[271]

[271] Cf. Neusser 2011, p. 149ff.

4.4.4. Test for Heteroscedasticity

To prove for volatility clustering, we take a further look at the squared returns and their autocorrelation function, since the procedure we used for ARMA models is also applicable on the GARCH context for squared returns.[272] Additionally, we calculate Engle's Lagrange-Multiplier test to prove for ARCH effects and, hence, the argumentation basis for a GARCH model. Both analyses are based on the null-hypothesis that no ARCH effects exists.

Engle's Lagrange-Multiplier test is based on a regression of squared residuals, based on the constant α_0 and $\hat{Z}_{t-1}^2$, $\hat{Z}_{t-2}^2$, …, $\hat{Z}_{t-p}^2$:

$$\hat{Z}_t^2 = \alpha_0 + \alpha_1 \hat{Z}_{t-1}^2 + \alpha_2 \hat{Z}_{t-2}^2 + \cdots + \alpha_q \hat{Z}_{t-p}^2 + \varepsilon_t,$$

with ε_t as regression error. The null hypothesis to be tested is $H_0: \alpha_1 = \alpha_2 = \cdots = \alpha_p = 0$ against $H_1: \alpha_j \neq 0$ for at least one j. The test statistic is given by TR^2, with T representing the sample size and R^2 computed from the regression using the estimated residuals; an F-test is also possible.[273] We use the p-value of the test statistics.

If there is evidence for autocorrelation, a model of autoregressive conditional heteroskedasticity is needed.[274]

[272] Cf. Francq and Zakoian 2010, p. 9 and p. 108f.
[273] Cf. Neusser 2011, p. 149, Zivot 2009, p. 9.
[274] Cf. Zivot 2009.

4.4.5. Evaluation of GARCH Models

4.4.5.1. Akaike Information Criterion

As described in subsection 3.2.1, the third part of our model evaluation is carried out using the Akaike information criterion. Although we first consider the significance and persistence of the model parameters and the backtest results, we explain the concept here, as it is thematically directly related to the GARCH models. The idea of an information criterion is that, with increasing orders, the adjustment of the model, measured by the estimated variance of the residuals $\hat{\sigma}_{p,q}^2$, does not increase for the given data. To avoid overfitting, the information criterion is extended to a penalty term that depends on p and q. Most of the information criterions are given by the following equation:

$$\ln \hat{\sigma}_{p,q}^2 + (p+q)\frac{\mathrm{C(T)}}{T} \rightarrow \min_{p,q},$$

where $\ln \hat{\sigma}_{p,q}^2$ is the goodness of fit of the model and $(p+q)\frac{\mathrm{C(T)}}{T}$ denotes the penalty term. $\mathrm{C(T)}$ is a non-decreasing function representing the trade-off between the goodness of fit and the complexity of the model. There are several information criterions based on this formula, e.g., the Bayesian information criterion (BIC) and Hannan-Quinn information criterion (HQC).

For this thesis, we use the Akaike information criterion, denoted as

$$AIC\ (p,q) = \ln \hat{\sigma}_{p,q}^2 + (p+q)\frac{2}{T}.$$

Since the penalty term decreases with T, AIC allows models of higher orders with increasing T.[275] For the decision process we use AIC to evaluate which of the models works best.

[275] Cf. Neusser 2011, p. 82.

4.4.5.2. Loss-Functions and GARCH Diagnostics

For the sake of completeness, and as mentioned in subsection 3.2.1, we provide here a discussion of some key loss functions, namely MSE, MAE, R2LOG, QLIKE, PSE, and RMSE and the so-called "ugarchfit" diagnostics. For the out-of-sample evaluation, it is far from trivial to evaluate the forecasting performance of the different models. This is due to the unobservable latent nature of conditional volatility, which is why we need a proxy for the realized volatility. In their 1998 study, Andersen and Bollerslev made the point that use of daily squared returns as a proxy leads to very poor out-of-sample performance but significant in-sample fitting. This, they argued, could lead to skepticism regarding the forecasting availability of GARCH models. The authors showed that a better proxy for the latent volatility factor, using ex-post interdaily volatility measurements based on high-frequency intradaily data, produce strikingly accurate interdaily forecast.[276]

For empirical purposes, using the cumulative squared intra-day returns is difficult since high frequency data are often not available, as it is in our case too. Only High-Low intraday data were available for our dataset, which led us to use a simplified proxy, first introduced by Parkinson in 1980. The Parkinson estimator is denoted as

$$\hat{\sigma}_{P,t}^2 = \frac{(\ln(H_t) - \ln(L_t))^2}{4\ln(2)},$$

where H_t and L_t denote the highest and lowest daily prices, respectively.[277] We then calculated the following different loss functions motivated by the choice of Hansen and Lunde[278] with respect to RMSE:

[276] Cf. Andersen and Bollerslev 1998.
[277] Cf. Parkinson 1980, Kunitomo 1992.
[278] Cf. Hansen and Lunde 2005.

$$MSE = \frac{1}{n}\sum_{t=1}^{n}\left(\hat{\sigma}_{P,t}^{2} - {\sigma_t}^2\right)^2$$

$$QLIKE = \frac{1}{n}\sum_{t=1}^{n}\left(\ln {\sigma_t}^2 + \hat{\sigma}_{P,t}^{2}{\sigma_t}^{-2}\right)$$

$$MAE = \frac{1}{n}\sum_{t=1}^{n}\left|\hat{\sigma}_{P,t}^{2} - {\sigma_t}^2\right|$$

$$R^2LOG = \frac{1}{n}\sum_{t=1}^{n}\left(\ln \hat{\sigma}_{P,t}^{2}{\sigma_t}^{-2}\right)^2$$

$$RMSE = \sqrt{\frac{1}{n}\sum_{t=1}^{n}\left(\hat{\sigma}_{P,t}^{2} - {\sigma_t}^2\right)^2}.$$

The lower the numbers are, the better the results. We proved this five times since it was not clear, which loss function is more appropriate.[279]

For further model evaluation, R provides the so-called "ugarchfit" diagnostics, which present the model parameters and a variety of tests for evaluating the quality of the models. First, the optimal parameters are presented with their standard errors and their robust versions, which are based on the method of White.[280] The p-values and parameter estimates used for this thesis follow the results of the robust standard error version. After these results, the information criteria Akaike, Bayes, Shibata and Hannan-Quinn are utilized. The weighted Ljung-Box test is a portmanteau test that evaluates the adequacy of the ARMA fit. The ARCH-LM statistics test is a weighted portmanteau test for evaluating the null hypothesis of the adequately fitted ARCH process; both are presented by Fisher and Gallagher.[281] The Engle and Ng's [282] Sign Bias Test presents the leverage effects in the standardized residuals, capturing possible misspecifications of the GARCH model by regressing the squared standardized residuals on lagged negative and positive shocks. The equation is as follows:

[279] Cf. Bollerslev et al. 1994.
[280] Cf. White 1982.
[281] Cf. Fisher and Gallagher 2012.
[282] Cf. Engle and Ng 1993.

$$\hat{z}_t^2 = c_0 + c_1 I_{\hat{y}_{t-1<0}} + c_2 I_{\hat{y}_{t-1<0}} \hat{y}_{t-1} + c_3 I_{\hat{\varepsilon}_{t-1\geq 0}} \hat{y}_{t-1} + u_{t,}$$

where I is the indicator function and $\hat{y}_t$ the estimated residuals from the GARCH process. The null hypotheses are $H_0: c_i = 0$ for $i = 1,2,3$ and that, jointly, $H_0: c_1 = c_2 = c_3 = 0$. The goodness of fit test calculates the chi-squared goodness of fit, which compares the empirical distribution of standardized residuals with the theoretical ones of the chosen density. The test is based on the results of Palm,[283] who adjusted the tests in the presence of non-iid observations by reclassifying the standard residuals, not according to their value but rather their magnitude. Therefore, the probability of observing a value smaller than the standardized residual is calculated and should be identical in its standard uniform distribution. The function takes the fitted object as the number of bins to classify the values as arguments. In the summary of the fit, a choice of (20, 30, 40, 50) bins is used. From the summary of the previous example, it is clear that the normal distribution does not adequately capture the empirical distribution based on this test.

Nyblom's parameter stability test[284] and the joint test are the last test of ugarchfit diagnostics. The Nymblom test is as good a measure of the parameter stability as the joint test.[285]

[283] Cf. Palm 1996.
[284] Cf. Nyblom 1989.
[285] Cf. Ghalanos 2020, p. 27f.

4.5. Value at Risk

One of the most widely used risk terms is the value at risk. Although the value at risk is replaced by the expected shortfall in the newest Basel IV record,[286] it is still necessary for this thesis as we need it for McNeil's backtest.

The value at risk is the possible loss of a portfolio in a given time horizon. It is defined by a maximum loss which is not exceeded with a given probability. Consider a portfolio whose value at time t is a random variable denoted V_t. At a horizon h, the loss is defined as

$$L_{t,t+h} = -(V_{t+h} - V_t).$$

The distribution of $L_{t,t+h}$ is known as loss distribution. In general, V_t is specified as a function of k unobservable risk factors. The distribution of V_{t+h} conditional on the available information at time t is determined as the profit and loss (P&L) distribution. The determination of reserves depends on the portfolio. The available information at time t and the horizon h, and a level $\alpha \in (0,1)$ are both specified by regulators. The reserve is denoted as $RV_{t,h}(\alpha)$. Hence, the capital that has to be provided also includes the current portfolio value,

$$VaR_{t,h}(\alpha) = V_t + RV_{t,h}(\alpha),$$

and satisfies

$$P_t\left[V_{t+h} - V_t < -VaR_{t,h}(\alpha)\right] < \alpha$$

.

Here, P_t represents the probability conditional on the information available at time t, which means that, in probabilistic terms, $VaR_{t,h}(\alpha)$ is, thus, simply the $(1-\alpha)$-quantile of the conditional loss distributions

$$P_t\left[VaR_{t,h}(\alpha) < L_{t,t+h}\right] < \alpha$$

and

[286] Cf. Basel Committee on Banking Supervision 2019.

$$P_t\left[L_{t,t+h} \leq Var_{t,h}(\alpha)\right] \geq 1 - \alpha.$$

Here, P_t represents the probability conditional on the information available at time t, which means that, in probabilistic terms, $VaR_{t,h}(\alpha)$ is, thus, simply the $(1-\alpha)$-quantile of the conditional loss distributions

$$P_t\left[VaR_{t,h}(\alpha) < L_{t,t+h}\right] < \alpha$$

and

$$P_t\left[L_{t,t+h} \leq Var_{t,h}(\alpha)\right] \geq 1 - \alpha$$

.

This leads us to the following definition:

The $(1-\alpha)$-quantile of the conditional loss distribution is called the value at risk at confidence level α:

$$VaR_{t,h}(\alpha) := inf\{x \in \mathbb{R} | P_t\left[L_{t,t+h} \leq x\right] \geq 1 - \alpha\}$$

if the quantile is positive, by convention $Var_{t,h}(\alpha) = 0$ otherwise. This formula reduces the function of the value at risk to simply determining the quantile of the conditional loss distribution.[287]

4.6. Expected Shortfall

The expected shortfall is the risk measure required by the new Basel IV record[288] and is closely related to the value at risk. The advantage of the ES is that it avoids several conceptual difficulties; it is also more sensitive than the value at risk to the shape of the conditional loss distribution in the tail of the distribution. We assume the conditional

[287] Cf. Francq and Zakoian 2010, p. 327f.
[288] Cf. Basel Committee on Banking Supervision 2019.

distribution of $L_{t,t+h}$ to have a continuous and strictly increasing cfd. The expected shortfall at level α is the conditional expectation of the loss given that the loss exceeds the value at risk:

$$ES_{t,h}(\alpha) \coloneqq \mathbb{E}_t\left[L_{t,t+h} \middle| L_{t,t+h} > VaR_{t,h}(\alpha)\right].$$

For the calculation of the expected shortfall the following equation holds:

$$ES_{t,h}(\alpha) = \frac{1}{\alpha}\int_0^{\alpha} VaR_{t,h}(u)\, du.$$

Hence, ES can be interpreted for a given level α as the mean of the value at risk over all levels $u \leq \alpha$, which leads to $ES_{t,h}(\alpha) \geq VaR_{t,h}(\alpha)$. Due to the integral representation, $Es_{t,h}(\alpha)$ is a continuous function of α, regardless of the loss variable distribution.[289]

To estimate the loss distribution, we use the normal and student-t distributions. Although we have already seen that the normal distribution of our financial time series log return is not the best fit, we investigate this distribution as well since the QQ-plot only analysis is only based on ocular judgment.

The value at risk and expected shortfall for the Gaussian distribution are given by the following equations:

$$VaR_{\alpha} = \mu + \sigma\, \Phi^{-1}(\alpha)$$

and

$$ES_{\alpha} = \mu + \sigma \frac{\phi(\Phi^{-1}(\alpha))}{1-\alpha},$$

where Φ denotes the standard normal distribution function and ϕ its density.

The student-t distribution provides more probability mass in the tails, which is better for estimating our risk since log-returns of our time series are leptokurtic. Standard student-t-distributions have a mean of zero and a variance determined through its degree of freedom parameter. Value at risk and expected shortfall are calculated as

$$VaR_{\alpha} = \mu + \sigma t_{\nu}^{-1}(\alpha)$$

[289] Cf. Francq and Zakoian 2010, p. 332.

and

$$ES_\alpha = \mu + \sigma \frac{g_v(t_v^{-1}(\alpha))}{1-\alpha}\left(\frac{v + (t_v^{-1}(\alpha))^2}{v-1}\right),$$

respectively, where t_v denotes the distribution function and g_v the density of the student-t distribution.[290]

4.7. Backtesting Expected Shortfall

McNeil und Frey[291] developed an expected shortfall test based on exceedance residuals. Assuming that the dynamics of a stationary time series made up of daily observations are represented by $X_t = \mu_t + \sigma_t Z_t$, with innovations Z_t as a strict white noise process, the test is based on the discrepancy between $ES_t(\alpha)$ and X_{t+1}. The authors define the residuals as

$$RES_{t+1} = \frac{X_{t+1} + ES_t(\alpha)}{\sigma_{t+1}} = Z_{t+1} - E[Z|Z > z_\alpha].$$

The residuals are iid and have an expected value of zero. Standardizing the residuals is also possible by calculating the following:

$$RES^*_{t+1} = \frac{RES_{t+1}}{\sqrt{var(Z|Z > z_\alpha)}}$$

These residuals are iid and have mean of zero and a variance of one.

Suppose a backtest within the set T. The backtest is based on residuals for days where $x_{t+1} > x_\alpha^t$. We term these residuals "exceedance residuals". They are denoted by

$$\{res^*_{t+1} : t \in T, x_{t+1} > \hat{x}_\alpha^t\},$$

where

[290] Cf. Roccioletti 2016, p. 73f.
[291] Cf. McNeil and Frey 2000.

$$res^*_{t+1} = \frac{x_{t+1} - \widehat{ES}_t(\alpha)}{\hat{\sigma}_{t+1}\sqrt{\widehat{var}(Z|Z > z_\alpha)}}.$$

$\widehat{ES}_t$ is an estimate of the expected shortfall and $\widehat{var}(Z|Z > z_\alpha)$ is an estimate of the variance of the noise distribution truncated at z_α. Under the null hypothesis that the dynamics of $X_t = \mu_t + \sigma_t Z_t$ and the distributional assumption for the tail of the noise distribution are correct, the exceedance residuals should behave like an iid sample with a mean of zero and variance of one.[292]

We test this procedure by using the rugarch package's ESTest. The null hypothesis is that the excess expected shortfall (excess of the actual series when the value at risk is violated) is iid and has a mean of zero. The test is a one-sided t-test which checks the alternative that the excess shortfall has a mean greater than zero and, hence, that the expected shortfall is systematically underestimated. By using bootstrap to obtain the p-value, we should alleviate any bias with respect to the assumptions about the underlying distribution of the excess shortfall.[293]

[292] Cf. McNeil and Frey 2000.
[293] Cf. Ghalanos 2020, p. 44f.

4.8. Conclusion Based on Empirical Findings

Figure 8 displays our graphical findings for the squared returns of our electricity log return data.

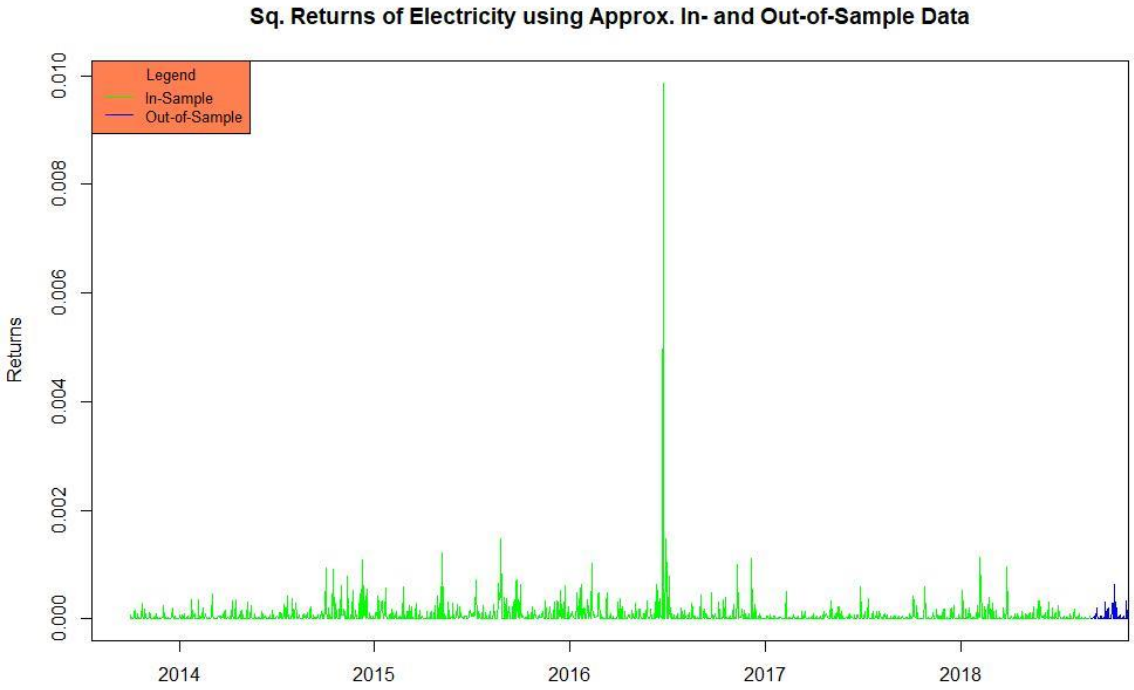

Figure 8: Squared returns of electricity using approximated in-and out-of-sample data

We see that the volatility clustering is evident, what is true for all our remaining results (see digital appendix J). The outlier is a result of Brexit as mentioned in subsection 3.1.3.

Figure 9 displays the ACF of the squared return of electricity log return squared data, which shows clearly significant autocorrelation.

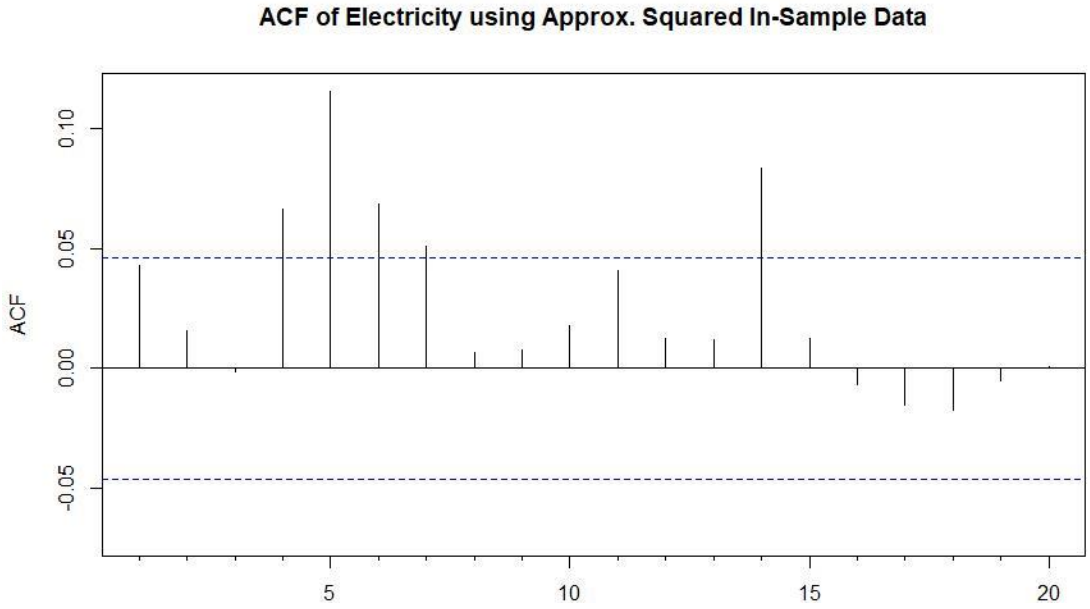

Figure 9: ACF of Electricity using Approximated Squared In-Sample data

These results hold for the rest of our data, too (see digital appendix K). With the exception of gold and zinc at lag 5, Engle's Lagrange Multiplier test rejects the null hypothesis that there is no autocorrelation for all time series at lags 5, 10, 15 and 20, confirming that the squared returns are serially correlated (see digital appendix L for the results). A GARCH model is, hence, needed for our log return data.

As described in subsection 4.3.7, our data require a conditional mean model. We extracted the auto.arima results of digital appendix I and included them in the ugarchspec function of the rugarch package commands to build to our GARCH models. We, therefore, tested the 60 different GARCH models on each of our 39 time series, providing 2340 results.

The 2340 models are listed in digital appendix M. For a better overview, we colored every dataset block differently and issued every model with a number. The numbers are visible in the first two columns. The model names are structured as follows: time series abbreviation as presented in table 1 + GARCH(p,q) model type + error distribution, e.g. DJACe11ged means Dow Jones All Cattle with an EGARCH(1,1) model and general error distribution, where "s" represents the standard GARCH model, "e" an EGARCH model, "g" a GJR-GARCH model, "i" an IGARCH model and "c" a CS-GARCH model.

The third column presents the models, the fourth, "Robust P-Values of Parameters", presents the significance of the model parameter. "NotS" means that at least one parameter of the model was not significant at a 5% level. All models marked with "NotS" were excluded for further analysis. Parameter and significance data can also be seen in detail in digital appendix M, next to the GARCH models tab. This procedure excluded Dow Jones both lead and gold time series as no significant models could be found; all other models had at least one significant model. The results of the loss functions using the Parkinson estimator are found in columns five to nine but were not taken into consideration for further model evaluation. "No Result" within the Parkinson estimator results means, that the model did not work and, hence, provided no result. The code for the loss functions is also included in digital appendix M.

We summarized the remaining models in the table of digital appendix N, which also represents a comprehensive overview of all results.[294] The second evaluation tool was persistence, which is listed in the fourth column of this table. Since none of the IGARCH models showed significant results, there is no model with a persistence equal to one. All other models fulfilled the persistence requirements.

For the results of the McNeil and Frey backtest, we first forecasted the 181 data points for the remaining models. For forecasting, we used the ugarchforecast command. In the forecast output, R provides both the series and sigma values. Results of the sigma and series values are presented in digital appendix O. Using these results, we estimated the value at risk and expected shortfall, as described in section 4.5. and 4.6., for the normal and Student's t-distributions at a 97.5% confidence level, in line with the Basel IV requirements.[295] For the Student's t-distribution we used 2.5 degrees of freedom. We derived this value from the model results of all GARCH models with Student's t-distribution, all providing degrees of freedom ranging between 2.100001 and 3.647092 (see digital appendix P for the degrees of freedom results).[296]

The results of the expected shortfall for normal and Student's t-distribution are presented in digital appendix Q. For the sake of completeness, we calculated the expected shortfalls of the actual out-of-sample data, too, as a comparison basis. R provides different methods

[294] The code for the GARCH diagnostics is the same as in appendix M as the data are extracted from the ugarchfit results. This is valid for columns 4, and 7–16. The code for column five and six is the code for the McNeil and Frey backtest.
[295] Cf. Basel Committee on Banking Supervision 2019, p. 89.
[296] The code for the degrees of freedom is the same as in appendix M as the data are extracted from the ugarchfit results.

for calculating the expected shortfall. We used the performance analytics method and the ES command. The command provides modified, Gaussian and historical methods. We used Gaussian to provide a comparison basis for the expected shortfall under normal distribution. To account for the Student's t-distribution, we added the modified method, which takes higher moments of non-normal distributions (skewness, kurtosis) into account using a Cornish-Fisher expansion. Moreover, for a complete comparison basis, we added the historical method. This method estimates a set of returns for the per-period ES using the negative value of the sample average of all returns below the quantile.[297] The results are displayed in digital appendix Q, too.

Using these results, we calculated the McNeil and Frey backtest. The results of the McNeil and Frey backtest are recorded in the columns "McNeil sst" and "McNeil nor" of the table in digital appendix N, columns 5 and 6. The test was deemed successful if the null hypothesis could not be rejected. For some of the results, it was not possible to calculate the McNeil backtest, either leading to "NA" results or "No valid ES model for ES distribution". The latter designation explains that the normal distribution is not adequate for modeling the expected shortfall, which is in line with Petersen et al.[298] For the former designation, the calculation technique of McNeil did not bring usable results; models with "NA" were, therefore, not taken into further consideration. Since the focus of our thesis is to prove whether a heuristic procedure can be used to find a comprehensive GARCH model, we conducted no further analysis of where the root of the "NA" values came from and excluded this data from our series. As the normal distribution did not provide usable results, we concentrated on the results of the McNeil backtest that used the Student's t-distribution. This procedure generally excluded two further time series: all cattle and copper. At least 179 models and 35 time series remained.

The seventh column of the table in digital appendix N provides the AIC for every model. We marked the lowest AIC for each time series, e.g., eight models remained for aluminum and, from these models, the EGARCH (1,2) model with ged distribution displayed the lowest AIC with -7.032597. For the sake of completeness, columns 8-16 of the table in digital appendix N summarize the GARCH diagnostics presented in subsection 4.4.5.2. The further result tabs of the table of digital appendix N present the results of GARCH diagnostics in detail. As can be seen, the specification tests indicated that none of the

[297] See Petersen et al. 2020 for further information.
[298] Cf. Petersen et al. 2020, p. 108.

models were perfect, but we accepted this imperfection since it was small relative to the fact that the model was able to forecast properly.

The table of digital appendix R summarizes the models with the lowest AIC per time series. Column two presents the model specification and column three the error distribution. We can see that EGARCH(1,2) and EGARCH(1,1) with ged distribution are the dominating models. From the 35 remaining series, eight work best with an EGARCH(1,1) with ged distribution, while 15 work best with an EGARCH(1,2) with ged distribution. Three further EGARCH(1,2) models work best with either normal or Student's t-distribution. The dominating model is, therefore, an EGARCH(1,2) with ged distribution model.

For the time series for which an EGARCH(1,2) ged model was not the best model, we investigated the table in digital appendix N again and checked whether the EGARCH(1,2) ged really did not work or if it was only the AIC for this model that was slightly worse. This was, indeed, the case for utility, wheat, and chemicals.

As we found that EGARCH(1,2) ged is the dominating model, we used it as the model for our portfolios. We included all of the time series listed in the table of digital appendix R. Columns five and six indicate the time series to which each subgroup belongs. As stated in subsection 3.1.1. and 3.2.1. for the STOXX Europe Total Market index, we regressed the subindices on the main STOXX index and used the residuals as new time series too. Hence, we investigated overweighting and regression-based portfolios. Results for the portfolios' expected shortfalls and backtest with the student t-distribution are located in digital appendix S.

All portfolios provide usable results and are predictable with an EGARCH(1,2) model with ged distribution. Exceptions to this include the following cases of overweighting: portfolio 9's "Energy" subgroup for 8.95%; portfolio 12's "Infrastructure Transportation" and "Infrastructure Utilities" subgroups for 1%; and portfolio 13's "Other" subgroup for both 5% and 1%. Results for the portfolios can be seen in digital appendix T.[299]

The comparison between the mean of the expected shortfall of all portfolios shows that most portfolios are risk-reduced for all cases. Risk reduction did not occur in the following subgroups: "Commodities Energy", portfolio 3, for case 8.95%; all

[299] The code for the results for the portfolios is the same as in appendix S as the data are extracted from the portfolio coding.

cryptocurrencies portfolios; and "Private Equity", portfolio 7, for cases 3% and 1%. The results for the cryptocurrencies portfolios are not totally in line in with the results of Symitsi and Chalvatzis[300] and Brière et al.[301], who showed evidence that Bitcoin can even lead to a significant reduction of overall portfolio risk. However, our results do agree with those of Pinudom et al.[302], who recognized an increasing risk when Bitcoin was added into a portfolio, and Stavroyiannis[303], who investigated that cryptocurrencies are subject to higher risk, a higher sufficient buffer, and risk capital.

The overweighted portfolios (portfolios 8-14) either did not work or show all risk increasing effects with respect to portfolio 8's "Emotionals" subgroup (for cases 5% and 1%), Portfolio 10's "Oil" subgroup (for cases 8.95% and 1%) and portfolio 11's "Infrastructure Telecommunications" subgroup (for cases 5% and 1%).

Our main finding is, hence, that an EGARCH(1,2) ged model can describe 18 of the single log return time series and all of our chosen portfolios with the exception of overweighting in the following cases: portfolios 9's "Energy" subgroup (for case 8.95%); portfolio 12's "Infrastructure Transportation" and "Infrastructure Utilities" subgroups (for case 1%); and portfolio 13's "Other" subgroup (for case 1%). Mostofwi et al.[304] understood alternatives investments to be a heterogeneous group of investment opportunities that differ from traditional investments in terms of their risk and return and certain other characteristics. Our results do not confirm this, at least not totally, since the EGARCH(1,2) ged model describes both alternative investments and traditional investments. The results obtained from the EGARCH ged distribution model are in line with Ekong and Onye,[305] who found that an EGARCH(1,1) model with ged performance works best. In line with Hansen und Lunde[306], we tested more combinations than p,q=(1,1), which was the correct approach since the p,q=(1,2) outperformed the p,q=(1,1) solution. Furthermore, obtaining these results was made possible by using a heuristic procedure. We could also conclude that adding alternative investments to a portfolio of traditional investments reduces risk in many cases. The following table summarizes our results:

[300] Cf. Symitsi and Chalvatzis 2019.
[301] Cf. Brière et al. 2015.
[302] Cf. Pinudom et al. 2018.
[303] Cf. Stavroyiannis 2017.
[304] Cf. Mostowfi et al. 2013.
[305] Cf. Ekong and Onye 2017.
[306] Cf. Hansen and Lunde 2005.

Time series	GARCH Model	Error Dist.	Subgroup	Num-ber	Asset Class	Behavior Portfolio
Rex	e12	ged	Rex	1	Bonds	Reference Portfolio
EURO STOXX	e12	ged	Total	1	Stock	
Cotton	e12	std	Commodities Food	2	Future	Risk reducing in all cases
Cocoa	e12	ged	Commodities Food	2	Future	
Coffee	e22	ged	Commodities Food	2	Future	
Lean Hogs	e12	ged	Commodities Food	2	Future	
Soybeans	e21	ged	Commodities Food	2	Future	
Sugar	s12	ged	Commodities Food	2	Future	
Wheat	e11	ged	Commodities Food	2	Future	
Natural Gas	e12	std	Commodities Energy	3	Future	Risk reducing with respect to 8,95 %
Petroleum	e12	ged	Commodities Energy	3	Future	
Aluminum	e12	ged	Commodities Metal	4	Future	Risk reducing in all cases
Nickel	e22	nor	Commodities Metal	4	Future	
Silver	g12	ged	Commodities Metal	4	Future	
Zinc	e12	nor	Commodities Metal	4	Future	
Bitcoin	s12	ged	Crypto	6	Crypto	Risk increasing in all cases
Litecoin	c12	ged	Crypto	6	Crypto	
DAXsubsector All Private Equity & Venture Capital	s11	ged	Private Equity	7	Private Equity	Risk reducing with respect to 3% and 1%
Automobile and Parts	e11	ged	Emotioanals	8	Stock	Risk reducing in all regression cases
Beverages	e12	ged	Emotioanals	8	Stock	
Alternative Energy	e11	ged	Energy	9	Stock	Risk reducing in all regression cases
Oil Equipment Services and Distribution	e12	ged	Infrastructure Oil	10	Stock	Risk reducing in all regression cases
Oil and Gas Producers	e12	ged	Infrastructure Oil	10	Stock	
Fixed Line Telecommunication	e11	ged	Infrastructure Telecommunications	11	Stock	Risk reducing in all regression cases
Mobile Telecommunication	e12	ged	Infrastructure Telecommunications	11	Stock	
Airlines	e12	ged	Infrastructure Transportation	12	Stock	Risk reducing in all regression cases
Industrial Transportation	e11	ged	Infrastructure Transportation	12	Stock	
Electricity	e11	ged	Infrastructure Utilities	12	Stock	
Gas Water and Multiutilities	c11	ged	Infrastructure Utilities	12	Stock	
Chemicals	e12	ged	Other	13	Stock	Risk reducing in all regression cases
Forestry Paper	e12	ged	Other	13	Stock	
Software and Computer Services	e11	ged	Other	13	Stock	
Technology Hardware and Equipment	e12	ged	Other	13	Stock	
Real Estate Investments and Services	e12	ged	Real Estate	14	Real Estate	Risk reducing in all regression cases
Real Estate Investments Trusts	e11	ged	Real Estate	14	Real Estate	

Table 8: Summarized results of the data analysis

5. Conclusion

This section provides a short summary of the results and the main conclusions.

The thesis deals with alternative investments and their qualitative and statistical properties. We examined four main themes. First, we investigated whether it is possible to describe a dataset comprising 37 univariate alternative and two univariate traditional investment return time series using one comprehensive GARCH model. Secondly, we investigated whether finding this model is possible by using a heuristic procedure. Thirdly, we examined whether the alternative asset classes have a risk-reducing effect on a portfolio with traditional investments. Finally, we proved whether the comprehensive model was also applicable to the constructed portfolios.

The analysis was done from the perspective of a European bank. This allowed us to conduct for the regulatory requirements of Basel IV. Hence, the focus of the thesis was on risk rather than return. To ensure a homogenous dataset, European data were used when it was possible.

To address the four research questions, we first provided definitions and conducted a literature review of alternative investments to provide a unique discussion basis. The analysis was based on 39 financial time series consisting of the following asset classes: commodity futures, cryptocurrencies, private equity, REITS, bonds, and different European stocks indices, where bonds and the STOXX Europe Total Market index represented traditional investments. With the exception of Dow Jones Commodity, we concentrated on European data valued in euros. Our data consisted of daily values over the period from October 2013 to February 2019. For backtesting purposes, we split our sample into in-sample and out-of-sample groups.

Our investigative approach was based on stylized facts, in that financial time series have common statistical properties. As our alternative investment dataset only consisted of financial time series data and further studies confirmed that these stylized facts are also valid for cryptocurrencies, we assumed that a comprehensive GARCH model working for all of the selected univariate time series can be found. As a result, we analyzed the 39 univariate time series and assessed whether one of 60 different GARCH models works as an overall model for all univariate time series. This led to 2340 results. The choice of GARCH model and error distribution was motivated by findings in the literature. The

model assessment was carried out in three steps: first, evaluating the significance and persistence of model parameter; second, evaluating the results of McNeil and Frey backtest; and lastly, evaluating the AIC. We then found that an EGARCH(1,2) ged model is the dominating model for the univariate time series.

To apply the univariate EGARCH(1,2) ged model on portfolios, we created portfolios as new univariate time series by adding and weighting the different asset classes into subgroups. We clustered similar financial time series into asset-class groups. The first subgroup represented our traditional and reference portfolio with bonds and equities. The ratio between bonds and equities was derived from data published by the Deutsche Bundesbank. We then created 13 subgroups out of the remaining 37 alternative investment classes time series. The time series within the 13 subgroups were equally weighted. Knowing well that eight subgroups contain sub-indices of the STOXX Europe Total Market index, we regressed the sub-indices on this index and treated the linear regression residuals as an adjusted time series to account for overweighting. We then repeated all calculation steps on the portfolios and, using regression, compared the 13x4 portfolios and 8x4 portfolios to our reference portfolio in terms of expected shortfall. We, therefore, built the average of all forecasted expected shortfalls on the out-of-sample horizon and compared these to subgroup 1's reference portfolio.

Our main finding was that an EGARCH(1,2) with a general error distribution model can describe 18 of the 39 single log return time series and nearly all of the portfolios. Table 8 in section 4.8. shows which GARCH model describes each time series best and how each of the alternative investment subgroups behaves in a portfolio. Hence, the statistical properties of the alternative and traditional investments are comparable in terms of volatility and volatility modeling. Furthermore, finding these results was possible by using a heuristic procedure. We also showed that alternative investments, including cryptocurrencies, do, in most cases, yield to reduce risk of portfolios with traditional investments.

Due to the similar statistical properties of alternative and traditional asset classes and the dominant EGARCH(1,2) ged model, European banks can significantly reduce the complexity of modeling their alternative and traditional asset time series. This is particularly interesting for their internal risk management and bank control processes as well as for their value-based management. The risk reduction in portfolios with traditional investments also suggests a reduction in capital requirements forced by Basel IV. The

concrete calculation of this reduction was not the subject of this thesis. Thus, this statement remains only of general but not empirically proven importance and remains a starting point for further studies. Based on the dataset used here and the assumptions and simplifications made regarding the dataset and calculations, we recommend European banks to invest in alternative asset classes. In order to provide exact information about the investment volume and weighting which leads to the greatest risk reduction and return maximization a detailed portfolio optimization analysis would be necessary as well as the use of different datasets and time horizons to also provide the possibility for robustness checks. Also, an analysis of multivariate GARCH models or correlation effects between the single time series would therefore be necessary and hence represents a starting point for further research. Additionally, the discussion on the alternative asset classes could be extended in further studies. First, complex, non-traditional strategies could be analyzed as well as hedge fund data. Furthermore, a discussion on whether cryptocurrencies should be evaluated as a separate asset class could also be done. Finally, the collection of real alternative investment data instead of proxies would be another point for further analysis.

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Digital Appendix

_DATASETS

FINAL DATA_Okt2013-Feb2019

FINAL DATA_Okt2013-Feb2019 HIGH LOW

DIGITAL APPENDIX A

A_[CODE]_Chapter 3.2._Closing Prices

A_[RESULTS]_Chapter 3.2._Closing Prices

DIGITAL APPENDIX B

B_ [CODE]_Chapter 3.3._Returns

B_ [RESULTS]_Chapter 3.3._Returns

DIGITAL APPENDIX C

C_[CODE]_Chapter 3.3._Summary Statstics of the Returns

C_[RESULTS]_Chapter 3.3._Summary Statstics of the Returns

DIGITAL APPENDIX D

D_[CODE]_Chapter 3.3._QQ-Plots Normal Distribution

D_[RESULTS]_Chapter 3.3._QQ-Plots Normal Distribution

DIGITAL APPENDIX E

E_[CODE]_Chapter 3.3._QQ-Plots Student-t Distribution

E_[RESULTS]_Chapter 3.3._QQ-Plots Student-t Distribution

DIGITAL APPENDIX F

F_[CODE]_Chapter 4.3.2._Stationarity

F_[RESULTS]_Chapter 4.3.2._Stationarity

DIGITAL APPENDIX G

G_[CODE]_Chapter 4.3.7._ACF and PACF of the Time Series

G_[RESULTS]_Chapter 4.3.7._ACF and PACF of the Time Series

DIGITAL APPENDIX H

H_[CODE]_Chapter 4.3.7._Ljung Box Test

H_[RESULTS]_Chapter 4.3.7._Ljung Box Test

DIGITAL APPENDIX I

I_[CODE]_Chapter 4.3.7._auto.arima

I_[RESULTS]_Chapter 4.3.7._auto.arima

DIGITAL APPENDIX J

J_[CODE]_Chapter 4.7._Squared Returns

J_[RESULTS]_Chapter 4.7._Squared Returns

DIGITAL APPENDIX K

K_[CODE]_Chapter 4.7._ACF of Squared Returns

K_[RESULTS]_Chapter 4.7._ACF of Squared Returns

DIGITAL APPENDIX L

L_[CODE]_Chapter 4.7._Engle's ARCH Test

L_[RESULTS]_Chapter 4.7._Engle's ARCH Test

DIGITAL APPENDIX M

M_[CODE_GARCH MODELS]_Chapter 4.7._GARCH Models

M_[CODE_LOSS FUNCTIONS]_Chapter 4.7._GARCH Models

M_[RESULTS]_Chapter 4.7._GARCH Models

DIGITAL APPENDIX N

N_[CODE_GARCH MODELS]_Chapter 4.7._Remaining GARCH Models and Diagnostics

N_[CODE_MCNEIL & FREY BACKTEST]_Chapter 4.7._Remaining GARCH Models and Diagnostics

N_[RESULTS]_Chapter 4.7._Remaining GARCH Models and Diagnostics

DIGITAL APPENDIX O

O_[CODE]_Chapter 4.7._Sigmas of GARCH Models

O_[RESULTS]_Chapter 4.7._Sigmas of GARCH Models

DIGITAL APPENDIX P

P_[CODE]_Chapter 4.7._Degrees of Freedom of std-Distributed Models

P_[RESULTS]_Chapter 4.7._Degrees of Freedom of std-Distributed Models

DIGITAL APPENDIX Q

Q_[CODE]_Chapter 4.7._Expected Shortfall and Value at Risk Results

Q_[RESULTS]_Chapter 4.7._Expected Shortfall and Value at Risk Results

DIGITAL APPENDIX R

R_[RESULTS]_Chapter 4.7._Modelselection

DIGITAL APPENDIX S

S_[CODE]_Chapter 4.7_Portfolio Expected Shortfall and Backtest

S_[RESULTS]_Chapter 4.7_Portfolio Expected Shortfall and Backtest

DIGITAL APPENDIX T

T_[CODE]_Chapter 4.7._Portfolio Results

T_[RESULTS]_Chapter 4.7._Portfolio Results

_DATASETS

_DATASETS

FINAL DATA_Okt2013-Feb2019

date	DJAC	DJAL	DJCC	DJCF	DJCP	DJCT	DJLE	DJGO	DJNI	DJSI	DJSU	DJWE	DJZI	DJLH	DJNG	DJPE	DJSO	SEFP	SEEC	SEFL	SEUT	SETR	SEMO	SEOG
28.02.2019	137.7993	158.1014	167.5615	92.3979	446.7947	122.7165	436.8848	454.4544	297.452	302.8084	169.9468	169.8706	296.8717	128.8184	152.9092	96.3937	172.3958	310.81	400.3	140.38	261.01	257.7	706.76	367.02
27.02.2019	138.0911	158.9531	172.4832	92.8672	446.6575	121.9414	433.79	456.2155	297.5663	305.3651	172.4734	172.5508	293.0541	128.1844	152.2023	96.3442	173.6269	321.01	399.45	140.24	263.62	255.63	707.65	369.2
26.02.2019	137.9947	158.0391	169.7241	90.8494	445.6291	121.3684	424.0994	458.7362	295.4068	308.4641	170.8777	173.1054	292.4708	128.4726	152.0392	94.3804	173.6742	324.17	399.07	140.96	265.83	257.25	711.28	368.38
25.02.2019	137.1797	157.7067	168.2327	93.7119	444.9434	123.1884	423.034	459.0815	295.8181	308.5028	172.8723	174.7689	290.2439	124.2651	153.0723	93.8467	175.1894	320.68	397.63	142.22	263.94	256.32	715.13	366.39
24.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.02.2019	136.8176	158.3299	170.6189	93.8526	444.9092	123.0367	420.6494	460.221	296.2409	310.1298	176.8617	181.793	290.6681	127.8386	148.9396	96.9364	174.9527	315.34	399.41	143	264.01	256.1	721.53	368.15
21.02.2019	136.6403	157.7898	169.6495	93.3365	437.8471	124.7219	418.8229	458.4945	293.053	308.0767	175.5319	181.5157	286.2142	128.9914	148.124	96.7124	175.0473	311.55	398.69	142.98	263.43	255.11	718.25	368.25
20.02.2019	137.2502	154.6531	172.7815	95.1666	439.6298	121.6043	413.4957	465.4351	294.3213	315.3399	177.9255	179.0203	287.9639	122.1326	145.1332	96.6888	173.4848	316.59	398.72	142.17	264.45	256.7	717.52	369.31
19.02.2019	136.6191	153.4898	175.2424	94.6504	433.5962	121.6549	409.3861	464.3646	288.6997	311.195	175.9309	181.9778	283.6161	130.317	146.6558	95.5633	173.2008	313.92	397.38	141.92	264.22	254.27	713.33	367.1
18.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	316.7	398.2	141.43	262.49	253.96	711.21	366.54
17.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.02.2019	135.4074	153.5521	174.4221	95.4012	424.2029	121.0988	421.4105	456.5262	282.7468	306.7984	172.8723	187.4307	282.1845	137.2334	144.4263	95.2473	174.5265	315.05	398.33	139.76	261.5	255.32	705.93	367.83
14.02.2019	135.8446	152.8251	169.2767	95.2135	420.7233	120.846	413.242	453.6948	278.1936	302.576	165.1596	188.7246	275.3446	135.3314	141.925	92.9085	173.8163	312.67	398.71	137.51	261.59	250.27	698.07	364.35
13.02.2019	135.4255	153.6768	170.5444	96.0113	419.9177	120.3236	409.5383	454.1091	282.9068	305.0165	167.2872	194.4547	275.7158	137.8098	142.5231	91.8103	176.2784	314.53	398.72	138.34	261.25	249.88	701.19	368.7
12.02.2019	136.1904	153.8263	168.6353	96.6025	418.5087	119.3866	412.3795	453.7293	282.9045	305.4116	168.8564	192.7542	276.8293	139.0778	146.9059	89.9859	175.928	311.73	399.86	137.61	262.03	250.08	698.53	366.46
11.02.2019	136.4693	155.6834	167.6808	95.786	421.5632	120.1146	414.5104	453.0041	284.6915	305.032	167.0479	192.0887	280.9756	136.196	144.2197	88.6343	173.0208	310.66	397.68	138.13	261.12	247.62	700.44	364.54
10.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.02.2019	135.9357	155.9078	164.9217	97.419	425.6051	123.03	421.4307	455.2831	286.4534	306.9572	168.75	191.5527	287.3171	134.6974	140.9135	89.1251	174.2803	306.82	396.23	137.4	259.16	244.91	694.98	363.27
07.02.2019	134.7669	157.1666	166.1148	98.4514	428.0905	123.0738	421.0654	453.7983	295.8958	304.7182	169.2021	190.0185	290.1379	137.4063	138.9451	88.4074	173.4943	313.4	398.97	139.08	260.66	247.98	699.14	364.24
06.02.2019	134.9477	158.2468	168.3072	99.0145	430.3737	124.1321	423.0847	453.8674	294.5727	304.1061	171.5426	194.4547	288.3351	140.4035	144.7526	89.9662	174.5739	321.41	401.79	141.67	261.56	251.95	708.61	368.94
05.02.2019	135.4765	159.6386	165.4735	98.4045	427.1512	123.694	425.723	455.5249	297.2578	306.7209	170.4787	194.9168	291.9406	142.0173	144.7526	89.1226	174.2898	318.98	400.66	141.95	263.19	252.22	708.64	367.34
04.02.2019	135.0497	159.327	166.1447	99.1084	422.6603	122.6154	431.1517	455.5594	302.2852	307.6893	170.8777	194.3623	298.8335	145.3602	144.6438	90.0805	173.9583	314.66	398.79	140.06	260.29	248.95	696.67	360.34
03.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.02.2019	134.0909	156.3149	161.6704	97.3252	420.6205	124.0984	431.4561	456.5262	288.5969	308.5609	167.5532	193.8078	296.6066	138.6167	148.6678	90.6968	173.8163	307.88	396.74	140.79	261.29	249.78	700.36	357.86
31.01.2019	134.1168	158.8284	161.6704	99.39	422.866	125.3792	428.5134	457.5967	284.4264	311.2919	169.2819	190.9427	290.403	138.8473	153.0179	88.4214	173.3428	305.87	399.71	141.14	260.46	249.01	701.15	357.31
30.01.2019	135.9268	158.7246	162.267	95.8236	420.6034	125.3118	423.8458	454.2472	281.5128	308.4834	166.6223	191.0351	286.5854	143.4582	155.193	89.1944	174.4318	311.1	396.59	141.22	258.5	249.64	698.52	348.69
29.01.2019	135.7111	157.2497	165.1752	96.2928	414.7069	124.9579	420.9031	454.1436	276.2569	306.779	168.75	189.7412	283.245	144.2075	157.8575	88.1412	174.053	308.76	396.48	141.61	258.82	249.81	700.94	346.34
28.01.2019	135.384	155.2555	167.7852	96.3397	411.1759	124.4523	421.7149	452.1064	269.4698	305.3457	170.0798	191.7745	286.1612	143.6888	156.2262	86.0093	174.858	306.18	390.78	142.04	254.47	250.45	698.66	342.01
27.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.01.2019	134.7981	159.8463	165.921	100.2346	415.0154	124.9242	429.2237	450.3453	272.7377	304.0674	165.4255	192.2366	285.3128	143.2277	167.0473	88.6765	175.2367	310.07	392.25	142.16	255.76	251.74	701.36	349.24
24.01.2019	134.6406	157.4366	168.2327	98.8268	405.5537	123.2558	422.4252	444.0262	268.3272	296.3393	172.6064	192.7911	281.6013	146.3977	163.0234	88.0412	173.4848	305.11	393.54	141.68	256.26	249.47	716.79	348.59
23.01.2019	134.5164	159.14	167.4124	97.0436	407.5249	123.8962	412.1766	445.511	266.7733	297.8888	172.4734	194.4547	279.3213	149.5101	158.8907	87.6377	173.2955	305.29	390.7	141.74	254.2	248.64	729.85	346.49
22.01.2019	133.7073	157.0004	167.487	96.9967	406.4793	123.239	410.3501	445.2693	264.1453	296.8236	171.9415	192.6987	274.7084	152.3919	161.6096	88.1425	172.2064	307.49	389.8	141.28	251.44	246.88	727.93	349.95
21.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	307.33	389.19	141.97	250.72	247.55	728.45	354.88
20.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.01.2019	135.0573	156.0449	172.0358	98.4984	414.844	124.5197	405.8346	445.0622	269.6755	298.2568	173.2713	191.4048	274.7614	152.7954	176.1283	89.8743	173.6269	306.24	393.49	142.6	253.47	247.05	735.53	355.52
17.01.2019	134.6892	154.7154	174.1238	96.1051	410.4559	125.3286	398.2243	448.4461	264.351	300.9103	170.8777	191.4048	270.9968	148.9914	172.5938	87.642	171.9223	303.17	388.7	141.32	250.15	243.62	725.2	347.39
16.01.2019	135.746	154.6946	173.1544	96.1051	408.8447	123.4749	400.5581	448.9986	265.2537	302.8859	175.133	189.464	265.5885	150.0288	171.1256	87.96	169.4129	301.07	387.43	140.4	249.02	242.78	724.37	348.7
15.01.2019	135.5107	153.656	169.5749	95.0727	405.348	121.9414	399.239	447.134	266.2477	302.5373	175	188.9094	261.2407	154.3516	176.6721	87.2675	169.1761	292.69	387.97	140.12	248.29	237.47	723.81	350.14
14.01.2019	134.8206	151.9111	174.5712	96.4336	403.771	123.003	402.3338	448.2044	259.8035	303.8156	169.5479	190.1109	264.1569	154.0634	178.8472	85.2349	171.1174	288.57	386.01	140.67	245.96	238.81	727.22	349
13.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.01.2019	134.4603	152.6506	175.6898	97.466	406.9626	122.1604	406.2202	447.0925	261.3848	303.2346	169.9468	192.0518	265.0053	153.1066	161.8162	86.923	172.3958	289.35	386.77	142.01	246.94	239.87	733.79	348.43
10.01.2019	134.0177	154.732	176.6592	97.8414	406.0473	122.7671	401.035	445.9116	256.4305	302.9828	168.484	189.9261	261.9618	152.9452	156.3567	88.3545	171.733	287.84	387.08	141.27	247.28	240.47	734.87	350.61
09.01.2019	133.7381	153.8513	175.3169	98.8268	408.0117	123.239	400	447.0304	256.2934	304.7647	171.1436	192.2366	265.2492	150.513	159.13	87.7176	175	284.45	382.62	140.69	244.24	240.95	734.63	349.11
08.01.2019	134.085	154.6074	177.6286	98.5922	404.4978	120.7786	399.2491	444.4751	254.543	304.3386	169.6809	191.4048	264.6023	145.902	159.9021	83.8831	173.9583	279.85	385.54	142.01	244.31	240.03	734.31	347.41
07.01.2019	131.8637	155.7956	179.7166	96.4336	405.8279	122.5986	396.0426	445.4075	253.9305	305.1714	168.2181	191.0351	266.702	142.7089	160.087	81.9802	175.0473	275.9	384.29	144	242.99	236.39	751.79	347.87
06.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.01.2019	130.572	154.9024	176.0626	95.3543	405.4679	122.211	395.586	443.9917	253.0622	305.7525	158.6436	191.1275	259.8091	142.8242	165.5247	81.2227	174.5265	275.39	384.26	143.88	243.45	234.76	752.56	348.46
03.01.2019	131.9821	152.1396	178.9709	95.8705	392.9894	119.363	392.0852	447.0994	247.6463	305.9655	155.4521	189.9261	253.5525	143.2853	160.1414	79.7326	172.8693	262.92	380.89	142.8	240.27	227.65	741.55	339.2
02.01.2019	132.5056	148.5044	178.5235	93.3834	400.3085	119.3798	396.347	443.4047	247.692	303.099	158.6436	187.3383	256.6808	142.2478	160.8483	78.707	171.7803	268.75	380.74	141.33	239.57	229.99	737.49	340.04
01.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2018	132.949	152.5758	180.1641	95.5889	409.1704	121.6717	410.3501	442.4378	243.4758	300.9878	159.9734	186.0444	262.5133	140.5764	159.8695	77.1375	169.5076	268.21	379.49	140.76	237.48	228.15	734.33	336.14
30.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.12.2018	133.2304	152.4304	179.5675	94.7442	411.5187	121.6549	419.2796	443.0249	244.4698	298.9735	164.7606	189.0943	259.8091	139.8271	179.6085	76.4047	169.6023	266.48	376.03	140.54	236.22	227.73	733.77	335.41
27.12.2018	132.9963	153.012	176.9575	95.4951	410.5588	121.4358	414.6119	442.3688	245.2239	296.533	162.8989	188.7246	265.6416	139.6542	192.8222	75.8988	167.1402	264.66	372.63	138.46	231.64	224.39	718.89	327.44
26.12.2018	131.8046	156.5226	181.1335	97.5129	408.3476	123.8625	404.5662	439.5718	248.1261	292.9111	164.7606	188.5397	263.4146	139.1931	188.037	78.2695	167.2348	NA	NA	NA	NA	NA	NA	NA
25.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.12.2018	131.7866	156.5226	172.6324	95.9174	408.3476	122.2615	404.5662	439.1575	248.1261	287.0424	164.8936	190.9427	263.4146	139.0202	186.1338	73.5209	169.8864	268.26	383.91	141.56	239.31	227.48	737.33	331.45
23.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.12.2018	131.7173	157.8521	169.3512	93.5711	410.833	123.3232	400.2029	434.4268	247.9205	284.7569	164.0957	190.0185	266.2248	140.9222	203.9152	77.6808	170.0284	267.95	383.5	143.01	241.01	227.88	740.67	332.26
20.12.2018	131.4015	157.9975	169.3512	96.199	411.3816	126.4914	401.8265	437.8108	248.7431	287.9915	165.2926	193.5305	269.8834	143.804	191.7346	78.3064	171.6383	267.64	383.5	143.61	241.41	226.81	749.39	331.88
19.12.2018	131.1082	159.2023	172.7815	94.6504	412.3072	129.272	398.6301	433.8398	249.6344	287.0037	165.8245	193.1608	270.1485	144.5533	198.6406	81.9572	172.9167	277.06	385.05	145.43	241.85	231.37	756.42	337.78
18.12.2018	131.3936	159.0154	169.3512	93.2895	408.999	131.1931	400.5074	432.8729	247.0064	284.7376	163.5638	196.9501	267.7625	144.438	203.4802	79.8988	174.3845	272.2	379.22	143.9	239.44	235.37	748.86	335.42
17.12.2018	130.3357	160.5526	166.2938	93.9465	419.4721	132.3559	392.0852	432.2514	250.4913	285.8609	166.0904	197.8743	269.6713	147.147	187.7651	84.8151	173.8636	271.68	383.86	147.15	246.84	234.96	759.22	344.02
16.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.12.2018	131.5019	159.2023	166.8158	95.9643	420.2777	134.1422	395.6367	428.6602	252.7651	283.498	168.2181	195.9335	269.8303	148.7032	204.0783	86.2815	173.0587	276.51	385.04	147.41	249.27	238.49	756.78	347.7
13.12.2018	131.9175	159.7632	167.7852	97.7006	422.0432	133.822	395.7382	430.732	247.532	287.7203	169.5479	198.1516	272.4284	149.4524	218.9777	88.0522	174.3371	276.21	383.79	147.42	250.18	240.57	753.87	348.11
12.12.2018	131.9272	160.2036	161.223	96.7152	421.0456	134.7658	401.1872	431.6298	246.17	287.6428	169.4149	194.6396	273.0541	151.4697	220.5111	86.2171	176.25	284.94	377.65	148.08	247.62	240.31	762.25	348.49
11.12.2018	131.3007	159.9792	157.7927	96.0582	423.0785	134.85	400.9132	430.663	245.473	283.3236	170.6117	192.6063	275.4825	150.317	234.7798	86.4781	174.8011	275.06	369.92	146.43	241.7	238.27	753.78	344.28
10.12.2018	130.1721	159.7216	164.5041	98.6861	417.5934	134.6141	395.6976	431.4227	246.0626	282.8782	169.1489	194.1774	274.263	154.0634	243.1213	85.8758	173.286	268.8	364.69	144.42	237.16	236.38	741.95	339.97
09.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.12.2018	130.4109	161.263	165.921	97.7006	421.7484	135.2039	404.8503	432.5276	248.6266	284.6407	171.1436	196.3956	276.193	156.4841	242.8494	88.4671	174.0909	272.71	368.95	147.32	243.2	241.67	757.81	348.66
06.12.2018	130.7059	159.9501	158.6875	99.4369	416.8666	133.2659	402.5368	429.4199	247.1435	281.0188	168.0851	190.573	277.5186	154.2363	235.2909	86.0181	172.2538	280.2	366.17	146.38	240.82	241.32	750.61	340.98
05.12.2018	131.4275	162.796	157.3453	99.4369	423.7573	136.7543	402.5368	429.0746	255.8044	282.4327	169.1489	191.4972	280.1697	156.196	243.0125	88.3397	173.0114	286.02	372.42	150.02	244.94	247.54	764.58	355.24
04.12.2018	130.6114	163.2115	163.0872	100.3285	426.0542	134.4961	406.8493	430.4558	254.1248	283.5561	169.5479	193.1608	276.6702	152.2767	242.36	88.8487	172.6799	289	371.73	149.97	244.95	249.86	769.45	360.4
03.12.2018	131.2394	163.2946	164.2804	101.1732	432.4649	134.7321	398.7823	428.0387	256.3985	280.8251	171.6755	192.6987	276.5111	154.2363	235.9434	88.1859	171.5436	296.94	371.07	150.18	245.63	253.91	774.52	360.86
02.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.11.2018	129.7621	162.0482	164.2804	100.9385	425.9856	132.9794	400.2029	423.3425	255.3473	275.3632	170.7447	190.6654	272.0042	155.7349	250.7885	85.0498	169.4602	287.9	369.29	151.25	245.13	251.37	777.35	354.24
29.11.2018	129.6995	160.4279	161.4467	105.3965	426.9112	132.5918	392.1867	424.8619	251.9538	278.9463	171.1436	187.7079	263.8388	155.2738	252.6373	85.9351	168.0398	288.79	368.07	149.2	245.27	255.4	773.22	353.22
28.11.2018	130.2409	159.5555	158.1655	106.8982	426.0884	132.9288	390.4617	424.6547	246.138	279.9729	170.7447	189.0943	262.5133	148.7032	255.5193	84.6145	168.6553	287	370.43	149.32	248.05	254.21	777.27	352.27
27.11.2018	130.4118	159.327	159.9553	106.3351	420.5519	131.2437	386.7073	421.2362	245.5324	275.4406	164.0957	187.2458	260.3924	149.9712	233.3877	86.5743	165.8144	287.42	372.1	149.1	250.03	255.32	776.63	351.65
26.11.2018	130.5826	161.1134	157.7927	103.9887	425.1628	132.4233	393.5058	424.2749	247.8976	277.8036	165.9574	190.0185	265.8537	151.1239	233.7684	86.9218	163.3049	298.23	370.92	148.33	247.2	254.32	768.71	353.21
25.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.11.2018	130.86	161.0511	158.2401	104.1295	426.3456	130.1314	398.8331	424.413	248.8688	278.2684	165.8245	187.5231	269.4592	156.3689	236.8135	84.9745	166.8561	297.71	366.86	144.2	243.7	248.53	742.77	345.4
22.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	298.45	365.28	143.4	244.23	245.75	734.53	356.21
21.11.2018	130.5767	161.5496	159.9553	107.0859	428.2482	132.7604	407.103	426.0359	251.2683	283.2655	168.617	187.3383	274.0721	152.5648	243.4475	91.4706	167.2348	305.49	367.44	145.02	248.85	245.39	748.58	358.44
20.11.2018	129.3823	160.3033	163.311	107.8367	424.4086	130.4853	398.3765	423.6878	252.9936	278.6946	165.6915	187.9852	271.8982	154.755	245.8401	90.3653	166.8561	300.16	366.64	143.47	247.97	243.4	737.37	352.26
19.11.2018	129.6905	159.6178	164.5041	109.4791	429.5509	131.5302	406.9001	425.1036	254.9703	281.3674	170.2128	187.2458	276.9883	159.1354	256.2262	95.9642	165.483	306.17	367.79	145.15	246.67	245.63	745.1	357.39
18.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.11.2018	129.3207	160.1994	166.5921	109.1506	425.6428	131.9346	406.1898	424.3785	259.1408	281.0188	168.75	190.4806	277.6246	153.8905	233.3333	95.6121	168.9867	309.78	367.54	144.92	246.64	248.58	741.03	360.95
15.11.2018	129.0134	159.327	165.4735	106.8043	424.1687	131.9178	391.6794	421.6506	256.7756	278.6365	168.2181	190.2957	274.1782	146.9741	219.8477	95.5139	168.3239	309.68	366.62	144.67	246.39	248.4	738.51	361.3
14.11.2018	128.427	160.6356	164.8024	109.0568	417.7237	132.0357	396.1441	419.8895	257.9182	275.092	168.2181	189.2791	266.1718	143.7464	266.3404	95.3585	167.3295	310.49	371.48	146.12	252.56	251.22	748.55	359.76
13.11.2018	128.5568	160.0748	168.1581	105.8189	416.5238	130.8729	395.7889	416.8854	258.6837	273.0583	167.6862	191.4048	264.6872	143.3429	225.503	94.4106	166.3352	310.77	367.71	145.58	251.62	251.85	745.02	361.7
12.11.2018	126.8044	160.9057	167.0544	106.2694	415.0394	131.2369	390.9691	417.203	259.8903	273.2791	172.0745	194.1405	265.8324	139.5504	206.5035	100.6106	167.2822	311.2	367.48	144.61	251.96	251.16	719.13	368.15
11.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.11.2018	126.0609	162.3681	169.4407	108.9066	415.5776	133.3873	400.7509	418.5773	261.5082	275.2779	169.2819	187.8558	269.0562	133.7637	202.

14.09.2018	129.21	169.24	165.47	93.57	409.26	137.9	413.7	414.74	288.67	273.91	159.84	189.09	247.51	130.61	149.59	111.74	157.29	377.473	360.171	134.293	243.574	272.52	740.852	377.877
13.09.2018	126.28	170.79	172.63	94.46	413.36	137.36	413.42	417.2	287.4	275.89	163.51	183.73	250.16	128.82	152.44	111.87	157.81	372.58	360.789	133.93	244.408	273.544	740.966	377.008
12.09.2018	125.73	170.52	173.38	95.82	410.91	139.27	409.51	418.13	287.6	276.83	160.45	187.34	251.36	128.4	153.54	114.34	159.09	373.113	364.226	134.221	246.056	274.165	736.638	379.228
11.09.2018	122.9	168.71	170.32	94.27	401.44	139.69	397.77	415.12	278.51	274.12	153.03	191.77	245.24	125.24	153.76	113.19	157.53	371.174	369.465	134.85	249.223	271.319	736.369	374.081
10.09.2018	122.82	172.8	171.51	95.03	404.74	141.3	410.52	414.3	282.51	274.67	151.14	195.29	252.71	128.88	152.52	110.92	160.09	370.581	369.334	135.01	248.39	272.677	736.041	368.875
09.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.09.2018	121.94	170.59	168.46	96.15	406.24	138.17	420.8	414.5	281.15	274.45	146.41	189	256.95	128.3	150.95	110.77	159.85	372.148	362.399	134.149	245.242	271.905	732.06	368.538
06.09.2018	120.78	168.13	170.1	95.92	405.73	137.01	411.87	415.85	283.23	274.67	143.62	189.93	259.33	126.74	150.73	110.55	158.95	371.679	361.725	132.986	245.21	273.658	723.953	369.742
05.09.2018	120.9	170.94	172.33	97.42	402.21	137.7	414.51	414.81	283.17	275.42	144.81	192.88	257.37	119.83	151.98	111.85	158.71	374.671	359.681	133.385	243.746	272.812	722.17	374.346
04.09.2018	121.68	170.5	173.9	95.21	398.42	139.5	420.9	414.05	283.82	274.65	141.49	196.49	257	117.75	153.51	113.4	159.9	377.506	361.413	134.825	246.112	274.604	731.519	379.94
03.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	382.297	360.044	136.32	247.057	276.695	740.935	381.305
02.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.08.2018	120.27	176.01	174.2	95.54	409.68	138.56	420.9	416.68	291.38	281.95	140.96	201.66	261.03	116.25	158.56	112.93	159.75	381.502	361.16	135.667	247.458	278.497	736.536	378.534
30.08.2018	120.74	176.76	169.65	96.34	416.01	138.62	419.74	416.09	302.5	282.67	140.56	197.78	262.3	113.26	156.28	113.45	157.48	382.565	363.414	136.882	248.577	280.014	743.378	384.236
29.08.2018	120.25	180	175.17	96.57	417.21	139.47	423.14	418.34	307.46	286.85	137.9	200.28	267.05	118.85	155.68	112.58	158.33	380.391	365.273	139.224	248.682	280.495	755.818	383.084
28.08.2018	120.03	176.82	173.01	96.72	421.49	140.85	422.17	419.34	311.49	288.57	137.1	193.44	270.1	119.88	154.7	111.15	157.81	378.902	364.675	139.492	248.163	280.675	756.306	382.771
27.08.2018	120.89	173.68	174.94	99.25	418.68	140.44	423.03	419.89	305.67	289.99	139.76	193.16	269.62	126.28	156.01	111.44	160.65	370.212	364.944	140.362	248.852	280.36	761.866	385.286
26.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.08.2018	118.05	173.68	176.29	98.26	418.68	137.56	423.03	418.96	305.67	288.61	136.04	198.34	269.62	119.37	158.4	111.07	161.98	368.43	365.101	140.071	248.592	277.943	761.803	384.246
23.08.2018	120.17	172	174.27	95.26	410.35	137.33	417.76	412.29	302.52	283.59	134.57	200.28	262.62	117.98	160.58	109.57	161.74	369.192	365.153	140.662	250.035	277.123	765.467	380.856
22.08.2018	120.3	171.13	172.48	94.7	411.59	138.68	409.13	415.5	308.28	287.62	135.37	201.57	262.43	123.57	160.09	109.51	164.82	366.633	365.995	140.891	250.167	277.4	765.342	379.988
21.08.2018	122.06	170.23	168.46	95.54	414.18	140.29	407.81	414.36	309.04	287.82	135.24	202.5	257.74	129.63	161.17	106.56	167.8	363.747	366.373	140.637	251.783	277.455	764.947	377.473
20.08.2018	122.1	170.4	163.68	94.74	410.49	139.37	400.1	412.5	309.08	285.92	134.18	207.95	252.55	130.2	159.43	105.96	169.18	361.382	364.342	140.193	251.035	275.963	764.611	375.643
19.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.08.2018	122.57	168.28	160.25	98.26	405.81	137.16	403.04	408.91	307.31	285.2	135.37	214.33	253.71	135.1	160.36	105.43	169.08	356.733	364.783	139.954	250.975	274.092	761.519	372.914
16.08.2018	120.89	169.75	160.92	98.87	406.65	137.85	413.6	408.84	303.79	286.81	136.97	207.76	253.84	127.9	158.4	104.97	169.89	356.413	364.901	140.938	250.618	272.416	765.788	373.438
15.08.2018	120.49	167.89	159.58	99.48	397.19	136.06	390.87	409.19	292.97	281.79	136.04	203.97	243.96	120.98	160.3	104.29	164.58	350.062	364.808	140.359	249.609	275.415	760.388	372.153
14.08.2018	120.19	171.83	160.33	101.83	413.88	139.94	421.31	414.51	306.11	293.43	137.5	207.49	260.39	119.54	161.28	106.93	166.62	355.618	366.95	141.394	251.542	278.591	772.839	380.056
13.08.2018	119.69	173.12	160.18	102.58	421.53	139.47	431.76	413.98	309.12	292.06	136.97	204.62	263.73	119.08	159.65	107.1	164.54	358.337	365.549	141.862	250.112	281.473	775.421	382.312
12.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.08.2018	120.75	174.92	157.46	102.71	423.95	143.63	425.83	420.93	315.26	297.76	140.16	208.85	270.71	117.98	160.3	107.69	163.21	360.165	366.187	141.759	250.082	282.609	775.559	382.103
09.08.2018	120.51	172.71	157.33	102.78	426.28	147.05	427.68	421.24	316.68	300.63	144.15	213.57	278.14	118.5	160.82	106.55	171.21	367.971	369.82	143.825	252.158	285.701	787.909	386.845
08.08.2018	122.34	174.82	158.58	102.4	422.6	146.92	433.37	421.62	320.36	299.66	143.75	213.86	278.56	111.58	160.49	106.98	172.44	366.365	370.925	145.116	251.153	284.794	789.142	391.653
07.08.2018	122.12	168.88	157.38	102.94	422.58	148.13	436.17	420.68	315.6	298.14	144.68	211.68	277.75	115.22	157.56	110.47	171.54	364.526	371.424	146.09	252.627	282.292	791.25	393.348
06.08.2018	123.16	169.13	158.24	102.06	419.64	148.97	429.22	420.48	311.63	297.27	146.01	212.38	274.36	115.79	155.52	109.71	169.22	361.811	369.321	145.59	250.892	278.331	790.629	387.808
05.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.08.2018	123.75	167.74	152.57	101.13	424.79	148.5	429.27	422.38	308.52	299.48	144.28	205.64	280.7	117.06	155.14	108.98	170.88	362.477	369.737	145.352	251.207	279.49	789.422	386.328
02.08.2018	121.67	168.4	154.51	100.14	420.23	149.7	429.12	421.31	303.56	297.99	140.82	207.21	273.17	114.47	153.13	109.33	169.98	354.83	367.555	144.289	249.08	278.506	777.217	384.971
01.08.2018	122.06	169.96	154.36	101.41	422.59	148.87	431.25	423.89	309.51	299.28	139.36	206.38	271.84	117.06	149.97	107.62	170.79	360.673	369.972	145.474	249.788	281.159	788.17	389.718
31.07.2018	120.8	172.48	161.82	103.14	431.54	150.98	437.04	425.97	319.64	301.36	140.29	204.71	279.22	116.95	151.28	109.85	174.05	356.118	374.895	146.11	254.64	281.704	789.482	394.119
30.07.2018	121.54	173.64	166.96	104.55	428.01	150.32	436.68	425.24	315.72	300.93	143.88	202.03	271.92	118.1	152.09	111.82	168.75	358.193	372.51	146.841	253.932	279.78	792.905	390.078
29.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.07.2018	122.27	171.87	166.52	103.66	431.42	148.87	434.96	425.66	315.82	300.08	144.68	196.12	276.09	117.29	151.28	110.53	167.66	360.401	373.272	146.864	256.951	280.405	784.106	391.157
26.07.2018	121.24	171.5	172.63	102.82	430.96	148.69	438.71	426.55	313.83	300.12	146.68	198.34	274.76	120.46	150.19	111.33	165.91	360.032	370.545	143.657	254.927	279.079	770.021	387.545
25.07.2018	122.71	171.02	167.41	104.18	430.92	148.25	436.23	428.52	311.68	301.94	148.8	200.65	275.03	124.32	149.81	110.4	165.86	356.676	371.393	140.64	251.869	275.364	761.715	390.472
24.07.2018	122.36	172.87	168.31	104.13	431.32	146.11	437.9	426.31	309.87	300.6	148.8	188.63	278.21	121.1	147.85	109.41	165.39	353.827	372.604	140.864	251.516	275.185	762.272	391.007
23.07.2018	122.74	171.65	171.44	104.79	420	146.29	432.67	426.24	305.35	298.76	147.34	189.93	271.63	121.33	146.55	108.64	163.4	341.066	376.248	140.954	254.803	273.638	764.318	388.461
22.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.07.2018	122.47	168.57	173.15	103.85	421.34	146.75	432.88	428.31	308.48	301.16	147.87	190.76	273.97	118.21	148.34	108.46	163.78	345.877	379.776	140.552	254.549	275.424	762.141	388.083
19.07.2018	122.85	165.79	170.92	102.11	415.56	147.54	428.92	426.1	304.2	298.31	145.88	186.41	270.68	120.4	148.78	108	163.16	367.959	379.359	139.716	253.642	275.724	762.322	389.808
18.07.2018	122.83	167.91	174.27	101.5	421.43	148.43	439.98	427.62	310.44	301.65	147.34	182.81	276.62	119.71	146.22	107.67	162.45	371.329	381.43	140.42	254.746	274.201	766.76	386.967
17.07.2018	120.46	168.3	178.6	102.53	421.19	148.87	439.07	427.42	307.59	302.48	148.01	184.01	266.97	120.35	147.2	106.8	161.98	377.091	380.84	140.532	255.191	273.319	762.986	386.765
16.07.2018	120.71	170.19	179.42	103.52	423.96	147.91	440.74	431.73	311.7	306.26	148.14	180.59	262.78	124.5	148.45	106.41	160.18	371.349	378.994	142.282	255.471	271.194	770.241	386.345
15.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.07.2018	119.36	168.2	187.4	103.14	427.15	148.03	446.12	432.29	318.76	306.31	145.74	183.73	273.59	127.49	148.12	111.05	158	369.793	380.171	142.994	257.014	272.543	773.38	393.692
12.07.2018	119.1	168.94	185.31	104.69	426.46	149.21	448.46	433.47	323.62	309.45	147.34	179.11	273.58	131.98	150.74	109.97	160.84	372.657	381.482	144.548	257.745	269.746	780.197	393.45
11.07.2018	117.26	170.32	184.94	105.16	420.75	142.47	445.42	432.02	316.33	306.35	150.13	174.4	271.58	135.41	152.79	109.71	160.65	371.695	378.638	145.329	255.629	268.38	780.497	393.143
10.07.2018	118.66	172.68	186.5	107.74	433.52	145.57	468.77	435.08	322.47	311.58	151.73	181.89	278.68	153.49	150.95	116.06	165.06	377.335	380.77	146.149	256.823	272.682	793.823	402.945
09.07.2018	118.78	175.19	182.18	107.98	437.48	144.03	474.18	435.74	323.74	312.59	151.6	187.8	286.57	160.1	153.43	115.4	165.15	375.685	380.688	147.442	258.743	270.678	794.556	397.721
08.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.07.2018	118.67	171.77	183.82	107.09	430.1	142.32	472.91	433.63	317.49	311.23	153.06	190.48	290.14	173.89	155.41	114.72	169.41	369.048	384.229	147.34	261.166	269.759	795.35	392.378
05.07.2018	118.74	171.83	185.09	102.44	434.56	138.12	477.73	434.67	323.26	311.78	152.66	186.88	287.06	175.33	154.27	114.59	162.07	369.427	382.203	146.433	257.58	269.471	789.128	393.863
04.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	369.106	378.947	145.641	255.993	269.601	788.491	391.002
03.07.2018	118.85	172.04	183	105.02	444.69	139.55	484.68	432.84	329.07	310.73	151.46	181.52	296.53	175.22	156.06	115.13	163.68	373.291	376.103	142.723	254.615	270.647	777.402	391.181
02.07.2018	119.08	173.74	186.5	104.79	447.27	139.75	483.82	428.76	331.55	306.7	153.72	177.54	299.89	171.47	155.63	114.83	164.68	370.272	370.401	139.948	250.763	269.258	763.998	387.439
01.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.06.2018	118.82	176.73	187.32	108.02	454.58	141.42	489.24	433.18	339.71	313.73	162.9	185.3	303.55	176.25	159	116.57	166.67	374.055	369.819	140.762	250.143	272.076	766.902	391.025
28.06.2018	115.44	178.62	182.77	108.63	454.54	140.8	486.71	431.98	337.11	310.69	162.9	178.74	308.06	174.58	159.87	114.81	167.33	371.151	370.183	140.752	249.76	271.718	766.207	392.438
27.06.2018	114.39	180.39	177.48	110.23	459.27	143.02	494.37	433.74	339.28	314.49	160.24	180.59	305.62	173.03	162.1	114.35	168.37	375.073	372.29	142.192	250.053	274.294	774.632	393.454
26.06.2018	114.19	178.87	184.34	110.46	460.58	142.42	489.19	435.05	337.15	316.31	165.56	178.56	301.67	172.33	159.38	111.47	168.09	373.223	368.172	141.329	249.339	273.03	771.323	383.436
25.06.2018	114.54	178.77	184.94	110	463.11	143.11	491.37	438.16	335.85	317.78	163.83	181.33	303.76	169.68	158.84	108.92	169.6	367.361	365.055	142.278	247.523	274.762	778.023	380.664
24.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.06.2018	117.73	180.45	187.47	109.76	465.65	143.75	490.21	438.78	348.18	320.34	165.03	186.41	309.81	173.78	160.14	109.86	173.53	373.055	368.222	143.798	249.695	279.384	789.143	391.486
21.06.2018	117.8	180.81	187.4	109.1	465.48	142.05	482.14	438.71	341.89	317.72	162.37	187.34	309.81	174.58	161.61	106.05	170.74	371.627	364.925	141.783	248.262	279.592	779.387	379.758
20.06.2018	118.42	179.68	190.38	109.48	464.19	141.86	487.27	440.09	341.57	317.3	162.1	184.57	318.03	173.26	161.23	107.37	172.44	379.824	370.016	142.438	251.371	281.576	785.603	382.603
19.06.2018	118.26	180.08	182.92	109.24	468.6	141.25	489.9	441.51	334.16	317.57	161.3	180.96	318.35	179.19	157.91	107.15	172.54	378.248	370.071	141.538	250.588	279.833	785.149	385.894
18.06.2018	117.07	184.15	184.64	109.53	476.96	147.91	493.61	442.02	341.51	319.89	163.3	185.4	325.34	183.11	160.47	107.91	176.42	383.997	369.78	141.822	250.473	283.92	787.32	387.562
17.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.06.2018	116.55	182.92	187.84	110.32	480.97	151.42	487.92	441.47	346.41	320.69	164.23	189.83	326.8	180.4	163.95	106	176.23	389.218	374.504	143.034	254.119	286.469	794.122	385.626
14.06.2018	113.28	187.31	181.43	110.7	491.74	156.66	497.67	451.76	348.75	335.89	167.02	191.22	338.23	181.21	160.85	109.37	179.92	392.635	374.556	144.545	254.578	286.948	804.44	395.868
13.06.2018	115.38	188.93	178.3	111.31	497.24	156.61	504.26	449.34	356.54	330.64	169.68	196.95	341.41	183.63	160.3	110.03	181.58	394.082	380.029	142.491	249.913	283.197	793.935	387.67
12.06.2018	115.75	191.59	181.79	111.75	494.83	157.33	502.06	448.69	346.98	328.38	167.63	202.18	339.72	180.54	159.38	109.3	183.79	388.875	368.317	144.549	251.012	280.712	798.336	390.776
11.06.2018	115.67	191.9	178.49	111.08	497.36	156.57	501.82	450	348.8	329.25	166.54	193.81	340.21	177.73	160.1	109.5	182.91	394.826	367.077	144.444	248.972	280.205	797.208	394.864
10.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.06.2018	117.28	192	179.52	110.89	501.56	158.42	500	449.83	351.72	324.85	164.34	194.71	340.18	182.79	157.24	109.41	185.12	394.272	360.726	143.034	247.775	281.45	785.194	393.384
07.06.2018	115.67	193.12	170.38	109.02	502.46	157.62	513.99	449.93	353.93	325.98	166.76	196.03	338.35	181.84	159.42	110.04	185.29	392.49	364.462	143.783	249.677	287.149	785.158	395.354
06.06.2018	116.16	196.59	171.22	110.98	494.7	153.27	513.09	449.38	356.43	323.34	162.23	192.14	339.29	184.32	157.48	107.69	188.3	394.732	363.735	144.136	249.01	289.03	800.698	390.127
05.06.2018	115.59	193.73	170.69	112.11	486.6	151.4	510.91	449.65	359.16	320.41	159.84	188.54	340.19	177.58	157.15	108.44	189.63	391.14	364.341	143.95	250.733	289.747	799.662	390.013
04.06.2018	113.99	194.31	175.32	114.03	478.08	155.21	508.88	447.96	353.13	318.25	158.24	186.78	332.03	179.65	159.33	108.19	189.73	392.367	367.518	145.416	252.878	290.988	801.246	392.299
03.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.06.2018	115.26	193.56	183.3	115.2	472.3	157.23	495.69	448.65	352.19	318.44	166.49	193.44	328.61	181.67	161.07	109.88	193.42	390.285	361.494	143.902	249.889	289.079	792.031	393.31
31.05.2018	115.73	191.94	183	116.1	469.45	156.98	498.48	450.52	347.1	318.77	170.08	194.55	328.47	179.94	160.52	111.48	192.9	384.116	359.117	142.787	250.246	286.304	783.833	389.675
30.05.2018	116.37	189.99	188.59	112.9	468.7	155.86	493.91	451.14	345.05	320.43	167.55	192.98	331.71	184.73	156.88	112.38	193.75	382.536	362.442	143.506	254.093	287.528	790.935	389.802
29.05.2018	113.15	190.34	186.2	112.86	469.93	157.08	496.4	450.31	339.93	317.12	165.69	198.34	327.57	181.79	157.86	109.78	195.17	379.557	358.022	143.502	253.666	286.939	783.271	381.955
28.05.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	384.305	364.533	145.252	256.823	290.735	791.963	380.325
27.05.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.05.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.05.2018	113.87	189.41	190.6	113	471.63	150.34	494.72	452	337.2	320.47	165.69	200.74	323.54	178.79	161.12	111.4	197.25	380.829	366.971	145.812	257.004	290.693	794.286	381.508
24.05.2018	113.13	191.4	194.11	113.14	471.2	147.39	506.75	452.28	339.97	323.2	164.63	196.03	321.79	177	161.56	115.16	196.16	382.747	373.688	145.67	257.812	290.622	795.415	388.317
23.05.2018	114.02	190.07	195.23	112.01	470.28	146.55	503.3	447.1	334.23	317.74	164.23	196.3	321.16	175.73	160.69	116.55	196.83	384.705	376.167	146.374	260.756	292.654	802.978	394.974
22.05.2018	111.7	190.01	193.06	113.42	477.99	147.2	503.09	448	337.23	321.03	161.57	192.79	324.07	173.2	159.65	116.76	195.17	391.424	377.883	146.26	261.462	294.692	807.787	406.126
21.05.2018	111.64	191.23	195	112.81	470.98	149.01	489.24	447.65	334.8	319.97	160.9	187.52	329.32	177.18	154.98	116.42	194.18	390.297	377.366	143.327	262.797	292.964	801.226	408.295
20.05.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.05.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.05.2018	109.06	190.15	199.7	110.75	469.54	145.85	472.65	447.82	336.6	318.71	155.05	191.59	328.95	178.1	156.55	115.37	189

30.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.03.2018	112.16	165.87	190.6	110.89	459.5	137.28	486.35	458.32	303.36	315.09	164.23	166.73	347.61	176.48	148.61	103.52	197.87	351.523	354.844	145.843	246.624	289.579	785.433	336.657							
28.03.2018	115.55	167.66	193.66	110.51	456.15	136.06	492.44	459.25	299.44	314.8	162.37	164.69	348.83	176.66	146.71	102.82	192.8	347.141	358.063	145.356	247.116	288.186	781.967	334.951							
27.03.2018	114.86	169.09	190.45	111.64	454.97	138.22	488.79	465.44	296.46	320.38	166.76	165.99	347.93	170.66	147.58	103.77	193.09	348.488	347.122	143.856	239.376	288.331	779.885	337.691							
26.03.2018	114.75	169.78	196.05	110.89	451.78	137.82	485.03	469.92	295.48	323.15	165.16	167.93	346.16	170.84	144.48	103.87	194.22	344.118	343.041	142.251	237.615	286.507	769.674	333.34							
25.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.03.2018	115.84	169.78	195	110	455.93	137.9	475.24	468.13	295.4	321.17	167.15	170.15	341.36	170.95	143.18	104.31	194.74	346.26	344.819	143.42	238.474	287.725	780.42	331.868							
22.03.2018	117.93	171.83	189.04	111.68	458.28	138.44	480.67	460.36	300.95	317.39	169.81	168.48	339.87	174.01	144.43	102.33	195.03	348.011	343.68	143.796	238.742	289.613	776.24	332.981							
21.03.2018	116.77	172.43	188.22	111.54	465.1	139.18	487.47	458.32	307.13	318.01	168.48	167.65	344.78	178.04	145.02	103.35	195.03	353.567	348.495	145.662	240.575	292.737	792.403	336.607							
20.03.2018	118.38	171.96	184.94	111.64	462.32	140.01	477.32	454.97	307.02	313.48	167.02	167.47	339.82	176.95	147.04	100.63	194.74	350.84	346.855	146.588	239.827	293.627	792.029	331.581							
19.03.2018	119.5	173.04	182.33	112.01	469.04	136.89	480.26	456.98	307.58	316.19	171.41	166.64	345.86	177.12	145.62	98.6	193.66	349.089	347.077	148.705	240.852	293.094	796.882	327.776							
18.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.03.2018	121.22	172.79	188.07	110.79	471.49	139.62	483.61	455.11	310.92	315.17	168.22	172.92	345.65	182.42	147.69	98.93	198.77	352.182	350.934	150.015	243.412	294.984	805.701	334.759							
15.03.2018	121.81	172.73	189.11	111.45	473.67	140.77	489.14	457.01	311.06	318.07	169.41	176.99	342.87	182.54	147.47	97.38	197.11	347.837	350.341	148.578	242.068	296.167	800.342	329.54							
14.03.2018	123	173.14	190.6	113.61	478.45	140.61	487.92	459.74	315.78	320.3	169.68	180.68	341.89	180.63	150.03	97.06	195.5	343.386	348.645	148.452	242.835	295.804	800.793	329.819							
13.03.2018	122.82	174.3	188.81	114.08	475.54	139.84	485.03	460.29	316.78	322.04	167.82	179.85	349.26	178.62	152.75	96.5	198.63	340.98	348.909	148.769	241.72	299.074	800.823	332.489							
12.03.2018	124.45	173.17	189.86	112.11	473.14	140.34	475.21	457.71	312.1	320.28	171.94	181.42	343.3	173.31	152.02	96.99	197.16	345.982	348.847	151.275	242.691	301.67	812.777	333.799							
11.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.03.2018	126.94	175.58	183.82	112.76	476.54	142.43	481.78	458.4	316.31	321.67	170.74	180.87	347.38	170.02	149.44	97.9	196.83	344.744	348.581	151.786	238.549	301.238	811.643	333.39							
08.03.2018	127.31	174.35	185.91	112.9	467.44	143.44	473.95	457.2	302.7	319.58	171.41	184.57	342.35	166.33	150.54	95.4	201.52	342.164	348.004	150.811	238.459	300.959	810.718	331.882							
07.03.2018	130.21	173.53	182.18	113.33	475.29	139.64	481.56	458.83	309.9	319.47	170.08	183.83	345.61	161.29	151.32	96.76	201.75	337.562	343.57	148.481	234.595	297.563	801.536	330.604							
06.03.2018	131.55	177.77	182.03	113.8	478.9	138.91	494.47	461.05	311.89	325.08	178.86	187.43	350.37	157.23	149.48	98.61	203.55	334.189	341.464	148.524	232.072	296.31	801.363	331.942							
05.03.2018	132.03	177.9	182.4	113.66	472.57	143.63	491.78	455.77	306.25	317.88	180.32	188.26	349.71	158.62	147.04	98.46	204.07	327.772	341.362	147.356	230.377	295.166	795.33	330.316							
04.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.03.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.03.2018	130.83	178.29	172.48	114.69	471.89	138.34	496.45	456.98	306.8	318.92	178.46	184.84	355.99	155.79	146.55	96.67	202.84	326.122	337.343	145.839	226.032	293.188	780.71	326.422							
01.03.2018	132.09	178.17	167.79	116.33	473.5	137.87	496.04	450.69	307	315.24	182.31	190.57	361.66	154.41	146.71	96.21	202.27	329.568	343.061	147.969	231.057	297.539	796.368	333.898							
28.02.2018	132.09	176.98	165.4	114.5	474.17	139.75	507.56	455.08	314.6	317.78	177.93	182.99	366.38	154.99	145.02	97.55	199.91	336.272	344.244	148.745	232.616	302.169	806.053	337.171							
27.02.2018	133.34	178.06	166.07	113.66	480.32	138.61	522.83	455.32	315.85	318.3	171.14	176.34	370.57	161.27	145.89	100.14	198.77	337.057	348.606	149.35	236.296	303.467	809.819	338.847							
26.02.2018	132.89	177.36	165.18	114.41	486.53	138.44	523.49	460.22	317.72	321.94	178.59	174.77	375.42	161.27	146.06	101.32	198.11	336.864	349.271	150.231	237.19	304.34	816.759	338.418							
25.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.02.2018	133.71	177.57	163.61	113.56	485.57	137.07	513.75	459.36	314.1	320.53	178.99	171.63	372.32	164.55	144.48	100.71	198.39	334.247	347.905	149.827	236.87	303.481	812.163	335.997							
22.02.2018	134.07	181.45	160.03	113.47	490.23	133.92	515.73	460.19	315.58	322.25	180.59	171.63	375.42	164.32	145.51	99.45	197.59	334.757	341.113	146.908	232.249	301.945	795.959	334.141							
21.02.2018	134.98	182.9	162.04	111.59	487.25	135.47	517.81	459.98	315.93	323.03	176.46	169.87	376.14	161.15	145.79	97.96	198.01	338.625	337.826	145.43	228.877	302.815	804.678	333.935							
20.02.2018	136.89	181.6	160.18	112.34	485.26	133.06	527.09	459.67	310.55	319.83	176.73	170.98	376.88	159.54	144.05	97.88	196.5	334.526	343.349	145.381	228.642	304.953	804.264	334.056							
19.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.751	343.137	144.32	227.642	304.039	801.321	331.684							
18.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.02.2018	136.82	183.38	159.13	113.05	494.99	130.03	530.09	468.3	317.69	325.31	176.6	174.31	379.43	157.12	141.27	97.32	195.55	330.688	345.128	144.975	228.488	305.766	803.35	331.666							
15.02.2018	136.46	179.62	159.13	116.52	491.6	129.37	531.3	467.99	322.98	326.92	179.65	175.69	378.87	160.75	142.47	96.42	196.02	323.706	340.753	143.043	225.747	301.021	787.175	328.397							
14.02.2018	134.39	180.7	155.41	117.41	490.33	129.71	523.39	468.92	321.86	328.47	176.99	173.47	378.53	162.88	143.01	95.79	194.65	320.459	340.917	142.772	227.731	299.792	788.748	330.591							
13.02.2018	133.84	177.48	151.83	117.36	478.33	130.43	519.53	459.39	306.98	321.69	178.72	175.14	368.19	160.06	142.63	93.68	193.61	315.501	335.787	142.174	224.622	296.681	788.479	330.383							
12.02.2018	133.96	176.43	149.11	115.51	467.46	130.18	510.52	458.01	298.99	322.19	181.3	175.08	359.01	162.59	139.95	93.7	191.35	315.73	338.026	144.05	226.882	298.405	795.753	331.354							
11.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.02.2018	132.41	176.23	152.75	115.46	462.11	130.18	514.2	454.32	295.98	313.54	180.82	168.65	359.37	158.73	140.94	93.74	187.37	310.155	334.621	142.073	225.616	294.021	785.536	326.538							
08.02.2018	132.63	180.07	152.45	116.07	468.16	129.75	512.43	455.46	299.84	317.15	180.64	170.59	363.36	160.12	146.39	96.66	187.91	317.746	340.211	144.68	229.339	296.161	799.208	334.352							
07.02.2018	132.97	178.91	150.47	116.12	470.24	128.46	509.22	453.94	300.49	314.83	186.12	171.16	358.81	159.6	146.82	97.54	186.6	328.606	346.742	146.955	231.384	303.547	818.376	337.233							
06.02.2018	133.52	179.66	152.2	115.3	483.58	128.4	532.57	459.08	305.24	321.13	184.04	164.97	367.21	164.67	150.03	99.77	186.79	321.602	338.964	143.456	226.758	297.379	802.444	329.584							
05.02.2018	134.46	183.13	152.5	112.44	490.25	129.04	537.95	461.5	313.55	322.89	184.84	162.75	376.75	169.05	149.37	101.17	183.66	328.722	350.585	147.202	233.847	301.652	825.06	339.863							
04.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.02.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.02.2018	135.25	183.09	153.54	113	481.86	130.27	545.05	461.77	306.51	323.63	181.25	165.16	371.82	169.57	154.76	102.75	185.37	332.04	356.013	149.995	237.204	304.806	847.674	345.656							
01.02.2018	134.82	184.38	150.41	113.94	486.9	132.04	541.55	465.44	319.46	332.27	177.79	166.73	377.78	167.9	155.3	103.88	186.55	336.597	361.714	152.358	241.609	307.635	846.578	351.91							
31.01.2018	131.42	183.94	148.84	114.36	487.02	130.23	531.3	463.78	310.32	333.93	175.93	167.01	376.41	166.57	162.86	102.64	188.59	330.221	364.059	152.963	242.485	310.01	867.008	353.998							
30.01.2018	132.88	182.88	146.91	114.78	482.31	129.81	526.53	462.71	304.65	330.39	182.45	169.04	371.29	168.07	173.74	102.21	189.44	330.379	362.669	153.221	241.216	309.748	864.997	355.548							
29.01.2018	133.55	184.42	145.12	117.27	484.68	132.05	528.46	464.47	315	331.73	181.78	166.08	377.47	169.28	172.21	103.66	187.78	337.335	366.405	155.036	243.582	313.545	875.439	361.762							
28.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.01.2018	133.18	187.18	148.1	117.46	484.88	135.63	526.74	468.65	311.57	337.81	177.66	163.03	369.62	170.14	172.65	104.84	186.65	335.967	369.23	156.22	245.211	314.657	876.969	362.619							
25.01.2018	130.93	185.85	146.16	116.05	488.67	137.98	528.82	472.38	312.44	341.18	176.06	160.63	368.13	170.2	168.52	104.19	187.93	332.356	368.695	154.993	244.992	313.684	872.497	363.684							
24.01.2018	133.56	186.62	145.79	114.97	489.51	138.64	536.68	470.1	309.93	338.74	175	160.07	365.38	174.52	167.48	104.14	187.93	336.582	370.823	155.552	247.592	316.667	880.869	364.236							
23.01.2018	133.37	184.96	143.85	113.51	473.98	138.62	529.83	463.29	293.28	327.58	175.4	155.82	362.38	172.1	165.25	103.04	186.79	341.11	372.527	156.65	253.05	316.283	888.364	364.088							
22.01.2018	132.46	186.62	144.52	115.02	483.78	140.56	532.22	461.64	291.28	329.05	175.13	157.39	362.67	173.2	159.38	101.73	186.41	344.035	371.85	155.872	253.134	316.489	884.618	364.122							
21.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.01.2018	131.36	184.34	144	113.8	481.98	140.58	524.56	462.02	290.3	329.96	176.2	156.28	362.78	174.06	159.92	101.18	185.09	342.996	372.888	153.402	252.21	317.223	873.63	359.651							
18.01.2018	132.29	186.08	147.95	113.66	484.23	139.25	529.83	459.94	284.52	328.38	173.94	157.21	358.54	174.99	162.48	102.08	184.28	338.456	371.857	153.491	252.347	314.288	874.483	362.459							
17.01.2018	131.47	181.95	148.02	115.53	481.33	138.42	517.1	464.09	283.12	332.48	178.46	155.82	357.58	174.12	164.44	102.06	183.48	335.571	375.385	153.849	254.098	314.443	876.134	361.751							
16.01.2018	129.06	181.6	144.07	113.05	484.38	137.23	518.11	463.4	286.19	332.93	180.72	153.97	361.48	175.56	161.07	101.75	183.33	338.501	373.821	155.261	254.253	315.255	882.729	363.177							
15.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	336.874	368.552	154.522	252.402	313.272	873.698	367.025							
14.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.01.2018	128.03	183.69	142.73	114.73	486.85	137.65	514.31	462.64	290.46	332	188.56	155.45	359.33	171.35	162.75	102.48	181.91	334.856	366.474	154.636	252.212	314.714	876.343	367.612							
11.01.2018	126.99	180.47	143.77	115.25	488.8	139.28	517.11	457.99	287.98	328.61	188.56	160.17	359.51	168.89	160.78	101.9	179.92	333.695	364.633	153.618	252.464	315.883	873.079	365.921							
10.01.2018	126.66	180.93	144.74	116.33	489.51	134.23	517.54	456.55	295.08	329.94	194.81	160.54	354.27	171.7	155.28	101.67	180.87	335.064	365.737	155.359	253.013	316.372	889.384	365.082							
09.01.2018	127.14	178.37	141.61	117.46	485.83	132.04	516.65	454.29	289.53	329.46	195.88	159.8	354.17	172.02	157.4	101.01	182.53	337.152	370.585	157.669	256.493	318.84	907.124	364.337							
08.01.2018	126.32	180.24	142.73	117.46	487.18	131.68	528.6	456.27	285.79	332.05	196.54	158.13	360.11	170.01	153.47	99.44	183.1	333.637	372.677	156.414	259.236	318.146	903.744	363.116							
07.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.01.2018	127.74	182.57	141.31	120.55	486.92	131.46	515.42	456.6	285.6	334.79	200.53	159.24	357.05	164.67	151.98	99.29	183.85	333.139	373.608	156.05	258.892	315.908	898.611	361.501							
04.01.2018	130.95	186.54	142.06	121.59	491.58	133.55	524.91	456.35	288.44	334.48	202.79	160.44	357.74	164.55	156.61	100.11	183.29	332.368	368.621	154.841	255.746	313.566	888.243	359.859							
03.01.2018	131.77	184.75	142.21	120.69	488.72	131.63	523.29	455.28	283.04	334.44	203.59	161.18	353.82	163.8	163.57	99.74	183.48	330.583	360.258	154.329	253.3	309.951	882.372	355.421							
02.01.2018	132.13	187.97	144.37	122.2	492.89	130.6	521.66	454.45	287.74	333.26	203.86	160.26	356.47	163.05	166.18	97.88	182.72	329.102	359.914	154.437	254.205	307.593	884.953	351.29							
01.01.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.12.2017	129.87	188.35	141.09	118.44	496.02	132.51	504.36	452.11	291.09	332.07	201.6	157.86	352.97	165.48	160.58	98.31	182.15	327.678	361.928	153.398	254.955	307.661	884.627	350.994							
28.12.2017	130.41	189.76	142.51	117.13	499.13	132.79	512.23	447.93	281.72	327.77	199.47	158.13	351.33	164.96	158.46	97.45	181.2	328.853	362.352	153.466	254.588	308.991	884.97	350.982							
27.12.2017	129.23	187.12	139.15	116.85	495.83	133.05	515.17	445.93	276.2	324.54	198.54	158.23	347.67	163.75	158.56	97.15	183.24	329.822	365.286	154.589	255.329	309.38	889.627	351.806							
26.12.2017	129.58	182.09	138.4	114.69	487.86	130.49	504.06	444.58	276.73	321.6	195.48	156.1	346.66	164.9	144.32	97.66	183.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.12.2017	126.58	182.09	134.9	113	487.86	131.23	504.06	441.57	276.73	318.5	194.15	157.02	346.66	161.33	144.54	95.06	181.87	329.06	366.346	154.834	255.63	307.917	892.14	351.071							
21.12.2017	127.85	178.19	142.21	114.73	484.98	131.34	507.81	438.74	275.32	314.53	196.41	157.86	343.8	158.1	140.95	94.73	181.63	329.133	366.982	155.452	254.698	308.5	890.12	350.846							
20.12.2017	127.11	175.99	144	115.58	482.1	127.59	511.87	438.4	274.66	315.22	193.75	156.56	341.25	157.64	143.34	94.3	182.67	327.433	367.025	154.301	255.905	308.392	883.035	346							
19.12.2017	129	174.05	142.58	114.27	475.32	126.44	517.71	436.53	268.17	312.86	191.62	155.08	339.48	154.24	146.66	93.32	183.1	326.095	368.963	155.676	257.33	310.043	890.153	346.484							
18.12.2017	129.46	171.98	143.33	114.41	472.81	126.73	519.63	436.98	269.92	313.87	182.98	155.45	338.87	155.39	149.81	92.7	184.19	329.357	374.833	155.803	258.856	310.231	890.216	350.085							
17.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.12.2017	129.88	171.38	139.97	113.33	471.58	127.94	512.73	434.22	264.26	311.12	181.65	154.62	339.87	157.98	143.28	92.4	185.23	323.283	370.588	155.07	256.454	307.095	882.348	347.667							
14.12.2017	128.04	169.98	141.16	112.9	465.24	126.95	504.52	434.08	254.58	308.62	183.11	154.62	338.02	155.91	147.04	92.3	185.37	321.998	368.6	154.218	255.638	307.776	887.8	348.787							
13.12.2017	127.31	166.62	140.79	112.72	460.82	124.92	512.53	431.15	253.22	307.36	184.18	154.07	334.36	154.01	148.56	91.45	187.59	319.517	373.747	154.412	258.655	308.631	888.329	349.11							
12.12.2017	128.25	167.1	139.22	111.17	456.13	122.87	510.8	428.76	252.57	303.47	183.11	151.85	334.72	153.37	146.32	92.8	186.54	315.662	378.662	156.435	265.888	308.539	894.305	352.047							
11.12.2017	126.76	167.46	142.58	112.62	456.48	123.02	505.02	430.56	256.33	305.73	185.51	152.87	331.27	154.52	154.4	94.26	187.39	314.272	377.736	156.218	263.494	307.803	889.398	345.74							
10.12.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.12.2017	NA

13.10.2017	127.69	177.03	155.63	118.68	471.51	115.64	512.99	450.48	266.4	337.23	191.62	162.48	343.9	143.4	171.83	84.62	191.34	307.525	373.273	164.493	267.549	298.862	869.417	334.575
12.10.2017	127.69	178.08	155.85	118.58	471.89	114.32	518.57	447.69	260.03	334.42	189.89	159.15	345.92	142.07	170.96	83.2	189.87	308.538	372.932	164.187	267.42	299.103	865.507	331.858
11.10.2017	129.16	176.54	156.38	119.01	465.5	115.82	520.21	445.06	253.97	331.84	190.16	160.17	342.74	144.09	164.8	84.19	184.44	305.611	371.538	164.782	267.196	298.06	866.365	332.885
10.10.2017	129.49	179.11	152.5	122.95	462.36	116.19	518.14	446.75	252.07	333.28	188.43	160.91	349.37	141.9	163.08	83.69	184.12	310.747	365.852	163.679	265.176	296.689	865.182	332.737
09.10.2017	127.8	179.86	149.74	122.9	455.78	116.19	508.63	443.72	250.9	328.7	186.17	161.18	344.16	140.52	158.07	82	183.89	311.19	365.065	164.398	265.478	294.599	862.102	331.888
08.10.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.10.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.10.2017	127.89	178.08	155.48	122.01	455.74	116.01	512.79	440.23	241.31	325.2	185.9	163.96	343.96	140.46	157.67	81.82	184.55	309.768	359.839	164.124	262.034	294.086	859.257	331.151
05.10.2017	127.04	179.39	155.41	119.38	458.19	115.05	525.37	439.64	239.67	322.25	191.36	162.94	350.11	144.78	158.95	84.22	183.38	312.957	362.602	164.385	263.901	296.5	864.138	334.735
04.10.2017	125.84	178.92	154.96	117.46	445.83	115.94	518.82	440.88	241.5	321.98	189.49	163.4	351.06	142.71	159.87	82.72	181.49	311.581	356.19	162.402	262.541	296.491	859.866	332.539
03.10.2017	125.95	176.01	155.26	117.74	445.77	113.78	525.22	440.12	241.68	322.49	186.7	165.62	346.71	143.11	157.42	82.88	180.92	308.437	363.544	163.862	265.533	298.634	864.649	334.521
02.10.2017	124.21	173.47	151.9	119.38	443.98	113.87	511.11	440.54	236.44	322.56	190.29	164.42	343.58	142.88	158.56	83.13	181.3	304.59	366.678	164.388	267.087	298.703	865.349	331.396
01.10.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.09.2017	126.21	173.58	152.35	120.18	443.14	115.35	505.53	443.65	239	322.99	187.5	165.71	335.98	138.21	163.51	84.78	183.38	300.929	366.622	165.52	264.797	297.386	864.272	331.331
28.09.2017	126.2	176.01	147.65	120.6	445.97	116.23	501.52	444.99	237.66	326.3	185.51	168.21	334.36	134.35	164.06	85.11	181.72	301.619	364.5	165.158	263.434	297.756	857.321	331.493
27.09.2017	125.99	176.07	150.26	121.4	440.21	115.69	499.44	444.68	233.1	325.92	183.91	170.61	329.8	137.52	166.45	85.73	182.86	299.569	368.15	166.078	263.904	295.248	863.004	329.906
26.09.2017	124.37	175.61	146.98	124.12	438.22	115.86	504.52	449.48	238.55	327	184.97	167.74	330.75	133.95	163.13	85.83	182.48	298.09	368.819	164.829	265.344	294.851	862.533	330.296
25.09.2017	125.34	177.61	147.05	123.46	441.09	117.05	501.98	452.87	240.81	332.11	190.82	167.84	329.22	132.39	162.48	86.49	183.95	298.706	368.88	164.7	264.704	296.59	860.526	329.315
24.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.09.2017	128.71	178.56	147.87	126.18	441.84	115.37	505.02	448.03	237.36	328.96	194.68	166.17	321.95	130.55	164.27	83.98	186.41	298.701	366.812	164.153	264.808	295.946	853.888	325.996
21.09.2017	127.51	179.62	150.71	126.7	443.5	115.02	510.91	447.1	250.81	329.61	195.88	167.28	328.92	133.26	163.51	83.64	183.85	298.569	368.718	164.614	264.304	294.499	853.701	324.573
20.09.2017	127.68	180.08	148.99	128.16	446.59	116.7	498.12	454.56	259.44	335.73	195.48	166.27	332.1	138.16	171.23	83.58	183.71	294.727	370.95	166.567	266.747	294.568	862.645	321.568
19.09.2017	124.45	175.76	146.53	127.03	447.36	116.73	489.65	452.56	253.98	334.67	191.09	163.77	329.35	137.69	172.65	82.24	182.86	295.328	371.641	166.577	265.14	294.74	860.374	318.423
18.09.2017	123.91	172.81	147.28	131.72	446.54	117.12	483.26	452.62	256.17	332.29	198.4	163.96	328.42	133.83	173.74	82.7	183.29	296.54	370.638	167.027	264.33	294.337	849.461	316.315
17.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.09.2017	123.54	172.64	149.81	132.71	445.39	116.4	477.07	457.6	252.88	342.84	201.73	165.99	321.16	134.81	167.75	83.11	183.48	292.396	370.282	165.705	265.731	292.833	844.275	316.27
14.09.2017	122.42	173.68	147.13	129.19	444.81	116.48	466.51	459.01	255.42	344.55	197.47	163.77	318.56	130.32	170.04	82.71	184.85	291.617	370.268	165.45	265.311	295.205	846.456	317.417
13.09.2017	122.49	174.5	148.4	129.38	448.42	116.43	462.58	458.56	258.94	346.06	195.56	163.86	320.28	132.18	168.9	82.11	181.91	293.803	372.712	165.765	266.331	295.086	850.686	314.756
12.09.2017	120.35	176.66	145.49	126.75	456.05	116.46	466.54	460.19	273.24	346.5	190.59	163.4	324.16	133.81	165.34	80.82	180.02	296.99	374.461	165.477	268.657	295.186	851.93	312.585
11.09.2017	120.4	175.44	144.22	123.74	461.49	121.52	459.14	461.22	268.12	346.74	192.95	160.72	326.65	139.24	161.91	80.45	181.82	290.563	376.479	165.287	270.727	295.137	850.855	311.054
10.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.09.2017	119.34	173.58	144.15	122.62	457.69	125.7	456.5	466.57	264.1	351.02	188.83	161.83	321.14	141.79	157.97	80.36	182.2	285.469	372.972	163.498	269.177	291.091	841.728	308.942
07.09.2017	117.04	174.16	142.13	121.21	471.77	125.16	471.64	466.26	276.83	350.88	186.57	161.65	331.5	141.67	162.1	81.87	183.48	285.774	373.377	164.07	269.645	290.85	843.138	310.46
06.09.2017	115.3	174.03	142.95	120.04	472.04	125.55	471.79	462.36	277.23	346.89	190.03	164.79	327.84	146.51	163.13	81.64	183.9	284.388	370.565	163.732	266.72	289.469	841.201	308.859
05.09.2017	114.86	173.35	145.12	119.99	471.92	126.19	470.57	464.26	275.32	347.49	186.57	163.77	332.77	146.97	161.61	80.89	183.43	285.156	369.659	164.316	265.491	291.233	844.175	307.879
04.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	288.037	367.865	165.745	265.026	291.155	848.481	305.953
03.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.09.2017	115.67	176.84	145.19	121.12	467.64	121.13	483.46	459.39	274.31	345.07	182.85	162.2	337.65	141.67	166.94	79.81	179.83	290.78	369.476	166.723	266.388	292.975	854.182	306.316
31.08.2017	115.84	175.32	143.62	121.4	464.48	119.53	483.41	456.56	268.97	340.4	191.49	160.63	333.3	141.56	165.31	79.84	179.02	288.032	367.134	167.337	265.354	292.598	854.739	304.405
30.08.2017	116.61	172.87	143.47	120.32	463.22	119.4	478.79	453.76	264.01	339.01	184.97	158.87	327.89	141.44	159.82	76.85	176.75	285.385	365.844	165.973	263.743	289.906	847.477	303.073
29.08.2017	116.49	173.51	146.08	120.74	464.93	117.93	480.47	455.42	266.96	339.26	183.78	158.87	329.53	138.85	162.21	77.28	177.51	282.063	364.758	164.734	262.021	287.367	838.245	300.535
28.08.2017	118.95	171.46	148.92	123.28	456.41	117.68	469.81	454.18	261.88	339.51	190.29	158.23	324.63	142.07	161.01	77	178.27	286.875	367.427	165.953	264.783	290.553	848.01	303.424
27.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.08.2017	117.1	171.46	144.15	123.32	456.41	114.85	469.81	448.17	261.88	331.82	186.57	160.91	324.63	145.42	159	77.85	178.88	295.43	368.409	166.401	265.155	291.918	849.967	304.588
24.08.2017	116.92	174.47	141.31	120.04	457.87	117.68	476.41	446.13	267.85	330.16	186.44	160.63	330.57	147.03	162.15	77.5	179.26	294.975	369.01	166.906	265.759	292.384	853.066	303.886
23.08.2017	116.24	173.68	139.52	120.79	449.43	116.09	480.82	447.06	265.94	331.71	181.78	158.96	328.26	146.51	160.96	78.27	177.65	293.84	367.019	166.914	264.593	292.81	852.891	304.305
22.08.2017	117.68	171.87	140.64	121.16	450.46	114.27	488.84	445.79	260.41	330.43	179.65	158.6	330.59	147.26	161.39	77.24	177.56	294.312	369.855	168.027	265.768	294.231	853.263	304.244
21.08.2017	115.58	172.41	141.09	122.15	450.84	113.85	475.09	447.76	258.12	331.13	179.79	161.55	331.44	149.11	162.7	76.76	177.32	290.85	369.528	167.381	263.718	292.283	854.151	302.021
20.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.08.2017	115.7	170.92	140.04	123.6	444.1	113.38	478.03	445.99	250.54	330.95	178.32	163.59	331.34	152.45	159.33	78.39	177.6	291.592	370.574	167.929	265.312	291.376	856.276	302.259
17.08.2017	116.07	172.1	139.37	123.93	444.38	112.76	488.79	446.27	244.71	331.98	176.73	162.94	324.71	154.29	161.28	76.22	176.7	294.204	370.427	168.919	266.648	293.266	861.447	304.339
16.08.2017	118.28	173.64	137.14	126.23	447.24	112.61	510.2	442.99	245.48	329.77	172.07	165.25	330.75	158.56	159.05	75.68	175.24	292.923	369.639	170.107	265.942	295.864	867.271	306.275
15.08.2017	119.52	169.86	139.08	127.22	436.75	113.18	482.39	441.89	236.12	325.41	174.6	168.58	313.63	162.59	161.23	76.61	175.05	289.905	366.346	170.232	264.612	292.858	867.838	304.787
14.08.2017	116.71	167.74	143.18	131.86	438.1	114.17	472.96	445.58	238.4	333.29	179.52	172.92	309.07	159.48	162.53	76.84	177.7	290.521	365.511	170.868	263.33	292.707	872.351	306.995
13.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.08.2017	117.28	169.51	147.43	135.01	439.15	115.02	470.93	446.82	243.28	332.29	175.53	172.64	306.92	158.21	163.62	78.51	178.98	289.202	357.46	168.37	259.446	289.465	859.432	306.39
10.08.2017	116.43	168.89	146.56	132.61	439.78	114.78	478.8	445.48	250.63	331.87	176.06	171.2	311.25	156.71	163.71	78.38	178.08	288.832	360.76	171.582	261.444	291.313	872.301	312.355
09.08.2017	117.86	168.06	149.43	135.85	441.89	119.83	475.4	441.75	245.45	327.6	181.38	175.91	310.58	157.35	157.98	79.56	184.33	290.504	363.458	174.352	261.757	293.917	881.983	316.607
08.08.2017	120.84	168.12	150.78	135.31	443.51	119.87	481.94	435.98	242.45	318.1	183.24	172.94	310	156.2	154.28	79.04	184.33	292.96	364.899	176.643	260.498	295.081	884.813	317.803
07.08.2017	121.42	162.48	151.5	133.97	438.85	118.89	477.41	436.71	237.1	315.1	184.44	173.36	302.57	157.06	152.74	79.33	183.66	291.006	363.063	176.505	258.639	293.939	885.853	316.295
06.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.08.2017	124.67	157.89	148.69	131.53	436.12	119.01	477.83	436.67	233.62	314.78	188.03	168.11	297.56	153.95	150.84	79.79	181.2	291.547	364.055	176.376	259.874	293.973	881.073	315.79
03.08.2017	125.36	158.39	153.69	131.58	434.71	118.23	478.89	440.06	236.56	322.1	190.29	169.22	295.33	151.01	152.26	79.22	181.91	288.498	360.659	174.271	257.727	291.316	873.668	313.618
02.08.2017	125.13	159.2	153.24	131.72	434.68	118.54	476	441.44	235.91	324.09	196.68	170.33	296.31	152.68	152.85	79.81	185.13	290.908	358.205	174.241	257.178	292.585	870.895	313.988
01.08.2017	123.37	157.64	150.86	129.38	434.2	116.8	473.01	441.78	234.59	324.69	197.87	170.52	294.14	148.47	153.29	79.12	184.04	294.177	358.205	175.505	258.172	291.889	876.111	312.627
31.07.2017	122.09	158.58	153.62	130.69	435.82	116.04	471.94	439.71	232.92	325.12	198.27	175.42	295.84	152.22	151.93	80.5	190.77	293.223	354.213	174.198	255.048	288.925	871.347	309.267
30.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.07.2017	122.58	157.69	153.62	129.38	432.98	115.94	469.66	440.37	232.7	323.36	191.09	177.82	293.93	153.31	159.92	79.68	191.86	299.227	353.251	173.997	253.148	287.154	870.682	307.662
27.07.2017	123.89	160.37	150.11	127.59	433.36	116.09	467.48	437.33	231.12	321	191.89	177.36	296.66	156.02	161.34	78.48	190.81	304.134	357.366	177.181	256.633	289.271	878.58	307.312
26.07.2017	123.4	160.78	142.58	126.51	433.39	115.27	468.39	433.56	229.11	318.79	189.23	176.62	297.45	155.97	158.46	77.87	189.44	302.905	359.083	174.424	256.822	288.756	871.364	306.915
25.07.2017	122.89	159.8	143.62	122.57	426.47	115.99	469.41	434.56	228.23	320.4	184.84	175.23	300.48	154.12	159.38	76.6	188.02	298.507	356.337	172.218	254.728	287.596	867.467	305.311
24.07.2017	124.56	158.33	146.76	124.4	412.68	115.08	457.48	435.32	223.02	318.48	191.49	180.68	295.36	153.2	156.72	74.31	191.29	309.228	357.96	171.962	254.708	287.35	871.688	301.853
23.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.07.2017	127.92	158.64	146.76	128.16	411.11	115.3	453.42	435.43	217.15	318.75	191.49	184.57	291.81	154.99	161.01	73.72	193.61	311.944	360.812	171.533	256.247	288.547	878.58	303.175
20.07.2017	127.5	158.77	145.86	126.7	407.97	116.25	447.95	432.35	216.58	316.58	191.62	186.97	288.87	156.43	164.93	75.5	194.51	313.259	363.218	172.857	257.168	291.777	882.071	306.804
19.07.2017	129.42	159.08	144.97	127.45	408.47	114.78	448.91	431.22	220.13	315.65	192.82	185.95	290.96	158.62	166.12	75.89	191.76	315.183	367.569	172.705	258.287	294.474	882.313	306.486
18.07.2017	127.21	160.01	142.51	126.61	411.23	114.96	460.73	431.22	223.11	315.09	187.5	186.23	295.86	156.48	167.1	74.5	189.73	312.584	364.593	171.272	255.488	293.073	870.564	304.137
17.07.2017	129.19	158.97	142.43	125.34	410.56	114.19	465.25	428.42	219	311.81	187.37	187.06	298.25	156.89	163.51	74.01	188.92	319.363	365.019	171.912	257.156	292.152	880.391	307.483
16.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.07.2017	129.1	159.85	142.8	125.48	405.93	112.2	469.51	426.28	218.49	308.6	190.16	188.82	295.28	154.87	161.56	74.65	189.68	316.664	365.842	170.821	257.815	291.244	872.881	307.42
13.07.2017	128.2	159.44	139.6	123.13	402.4	111.85	464.96	422.27	210.05	303.91	188.03	189.19	297.08	165.91	160.45	73.77	187.03	317.463	364.564	171.193	257.211	289.962	874.887	306.362
12.07.2017	128.08	156.5	135.79	119.76	404.22	113.36	471.24	422.45	209.88	307.71	179.39	198.52	300.28	172.02	161.99	72.83	195.83	314.469	362.313	167.942	256.2	289.681	866.957	306.314
11.07.2017	124.71	157.34	135.5	119.1	401.96	114.04	466.45	420.44	208.11	304.96	178.72	204.44	299	177.57	165.49	72.34	197.59	307.995	355.376	165.776	251.922	286.331	853.603	300.987
10.07.2017	123.31	157.06	137.06	120.69	398.34	113.4	469.66	419.42	205.08	302.71	180.32	203.33	294.69	183.49	159.22	71.42	196.83	309.604	356.942	166.676	253.949	286.602	861.439	302.219
09.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.07.2017	124.26	159.89	139.6	120.98	398.68	115.59	464.99	417.71	203.26	298.76	188.16	197.78	296.08	191.87	155.74	71.05	192.33	307.543	354.348	166.791	252.878	283.997	856.912	301.633
06.07.2017	124.34	161.03	143.7	121.16	400.26	115.18	462.3	422.41	206.86	309.57	185.11	199.26	295.33	190.55	157.04	73.16	189.25	308.418	353.19	166.743	250.692	284.15	855.928	304.786
05.07.2017	122.71	159.78	145.19	122.01	399.59	114.02	460.43	421.86	208.83	307.88	182.45	207.02	295.02	194.99	154.43	72.55	188.3	311.865	355.276	167.388	253.267	286.214	858.962	305.847
04.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	309.534	359.55	168.305	254.011	286.344	859.843	309.83
03.07.2017	125.29	159.66	146.01	119.85	405.79	113.67	473.47	420.99	214.07	311.68	185.11	205.18	297.64	194.58	160.47	75.09	185.75	309.65	360.944	169.235	255.88	287.142	865.791	309.919
02.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.06.2017	126.08	159.06	144.67	117.97	406.68	115.59	464.74	428.97	214.15	322.04	183.64	194.45	292.42	193.08	165.04	73.55	180.82	305.702	358.757	167.578	254.273	285.355	862.26	304.365
29.06.2017	126.12	158.75	138.78	118.58	406.84	113.31	469.66	430.18	211.88	322.56	179.52	183.36	292.39	186.17	165.42	71.98	175.14	302.557	361.169	168.381	256.486	284.337	865.86	308.027
28.06.2017	125.23	157.17	140.49	116.75	402.76	114	466.67	431.32	211.41	325.22	169.68	174.86	290.14	183.23	168.24	71.61	174.57	310.123	367.581	170.073	261.04	288.025	874.55	311.43
27.06.2017	124.45	156.09	138.93	117.6	401.17	114.11	464.28	430.56	211.17	322.51	171.41	173.38	291.6	181.1	166.61	70.75	173.77	308.276	367.114	170.362	262.289	287.193	876.15	311.559
26.06.2017	128.05	154.3	137.58	116.85	396.78	113.3	457.58	430.39	205.71	322.12	170.88	172.09	288.49	181.38	165.8	69.29	173.06	311.837	376.17	172.263	268.736	289.184	889.384	310.264
25.06.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.06.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.06.2017	124.67	154.61	140.12	115.44	397.26	112.94	452.31	433.84	207.02	323.59	175.13	175.05	287.12	181.33	160.47	68.89	172.54	311.824	373.384	172.043	267.634	286.711	890.643	310
22.06.2017	123.55	155.01	135.94	109.34	393.28	112.47	447.08	431.42	205.64	321	173.67	175.69	286.51	184.15	158.51	68.59	172.96	311.911	375.049	172.309	268.287	287.029	892.622	310.191
21.06.2017	124.68	154.74	138.18	114.55	393.14	114.88	442.97	430.18	205.28	318.3	176.33	177.26	279.93	189.57	158.51	68.19	175.71	317.344	378.047	172.855	269.902	288.393	892.295	310.862
20.06.2017	125.03	156.34	143.03	116.94	387.16	116.23	431.1	429.39	201.05	319.12	183.78	183.78	280.31	270.73	188.24	159.33	69.57	177.79	319.261	374.997	173.227	270.289	888.827	891.168	312.719
19.06.2017	125.39	156.36	144.22	118.82	391.79	116.35	431.05	430.49	205.39	320.84	181.78	178.56	270.73	187.84	158.62	70.97	179.64	323.787	376.139	175.086	272.151	291.55	895.858	320.565
18.06.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.06.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.06.2017	127.68	154.8	151.23	118.21

28.04.2017	133.91	158.48	137.29	125.2	392.8	132.91	456.62	437.95	215.44	334.34	214.49	159.8	277.86	170.61	178.14	77.8	181.11	304.416	346.375	175.409	255.751	278.46	849.456	321.186
27.04.2017	130.99	159.53	139.3	121.54	389.92	131.38	447.49	437.12	212.81	335.73	205.19	159.43	275.05	167.9	176.13	77.47	181.3	307.191	347.648	177.216	256.545	277.191	857.76	321.142
26.04.2017	127.62	162.92	139.82	122.67	391.4	133.79	443.53	436.53	210.4	337.61	207.05	157.67	278.02	163.11	177.87	78.76	181.16	311.404	346.078	178.577	255.998	275.701	863.003	326.239
25.04.2017	124.5	162.8	138.11	124.26	390.68	133.74	440.18	437.57	212.47	342.03	216.49	157.86	275.77	165.59	172.1	78.9	182.77	309.888	347.853	179.255	256.652	273.94	859.213	324.181
24.04.2017	123.55	161.34	135.42	123.79	387.13	132.78	438.76	441.13	211.09	347.32	217.02	154.99	275.61	160.29	171.83	78.51	184.04	300.959	351.334	178.504	259.343	274.744	858.287	324.05
23.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.04.2017	125.41	160.37	137.96	124.73	385.05	133.69	434.6	445.13	213.09	347.41	219.55	155.64	273.62	157.52	173.57	79.07	181.96	293.435	342.32	174.573	256.542	267.705	846.056	320.703
20.04.2017	125.26	161.24	134.15	126.04	385.17	133.32	437.7	443.3	216.21	350.53	218.22	155.91	278.9	158.33	176.73	80.64	181.2	292.789	342.385	175.028	255.272	269.19	846.846	322.62
19.04.2017	124.89	157.85	139.67	132	380.46	131.99	437.8	443.16	212.97	353.28	219.68	160.63	269.7	161.27	178.14	80.9	181.91	290.516	346.54	174.838	257.097	269.996	850.076	323.723
18.04.2017	124.5	156.88	142.88	136.6	381.56	131.72	425.67	446.86	212.27	355.41	223.8	161.55	267.29	164.84	175.97	83.6	181.11	291.212	347.662	173.783	259.095	269.893	849.626	327.705
17.04.2017	124.44	158.45	143.7	134.68	389.94	131.73	454.19	446.1	222.44	360.06	219.68	161.09	277.97	166.8	176.78	84.19	182.53	NA	NA	NA	NA	NA	NA	NA	NA
16.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.04.2017	123.35	158.45	142.8	132.57	389.94	128.99	454.19	444.92	222.44	359.97	220.35	163.68	277.97	167.15	179.83	84.85	183	293.507	351.874	175.5	261.795	271.699	854.719	334.416
12.04.2017	122.91	157.47	146.29	131.53	385.44	127.96	454.73	441.33	222.02	355.61	222.5	164.01	275.3	166.63	176.56	84.7	181.16	292.69	354.091	177.095	263.237	271.263	857.355	337.727
11.04.2017	122.17	159.26	147.77	132.82	394.74	127.84	456.23	439.99	224.32	354.43	222.66	163.33	271.65	170.61	173.7	84.9	179.2	292.367	353.377	176.739	260.722	270.84	854.971	337.387
10.04.2017	120.55	159.63	146.06	132.12	393.14	127.76	457.81	432.98	232.02	347.57	221.09	160.43	276.51	168.93	177.62	84.48	179.23	292.7	352.939	176.721	260.214	269.909	855.326	337.179
09.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.04.2017	119.78	162.51	149.6	131.88	399.09	124.47	456.07	434.15	231.98	351.85	222.93	157.65	283.99	167.78	178.09	83.26	178.84	292.605	354.637	176.545	261.286	270.518	851.442	337.239
06.04.2017	117.98	161.82	155.63	129.28	400.79	125.56	465.2	432.77	229.62	353.4	218.75	156.47	287.88	169.91	181.13	82.45	178.31	292.096	354.261	177.153	260.473	270.886	855.359	333.927
05.04.2017	117.05	162.55	157.42	128.86	403.55	126.17	468.59	431.11	234.52	352.26	214.1	158.87	293.35	166.05	177.6	81.7	178.84	290.483	351.788	177.053	258.558	270.501	861.478	332.311
04.04.2017	116.92	160.66	157.35	129.28	395.73	126.14	467.68	434.53	227.31	354.89	214.89	157.86	288.94	165.94	179.06	81.45	177.6	290.466	352.16	177.909	256.82	269.893	863.145	329.902
03.04.2017	118.39	161.86	157.12	129.38	394.05	127.18	463.42	433.01	224.38	352.74	219.95	158.13	286.16	167.49	170.09	80.07	177.7	289.014	352.765	178.68	258.011	269.41	866.946	326.685
02.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.04.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.03.2017	118.71	162.8	156.23	130.74	399.93	130.32	474.38	432.04	228.45	353.59	222.87	157.67	293.21	170.26	173.46	80.56	179.17	287.843	354.367	179.583	259.357	270.191	870.746	328.776
30.03.2017	118.46	163.63	156.3	130.74	408.16	128.46	476.81	430.94	230.96	352.62	223.54	155.64	303.87	171.18	173.52	80.07	182.39	289.487	350.876	179.267	255.491	269.051	866.1	330.062
29.03.2017	119.63	162.67	155.56	130.74	404.77	128.31	476.61	433.98	228.9	353.52	227.66	157.3	302.68	167.72	175.69	79.04	183.52	290.516	349.633	179.174	255.1	266.511	867.358	326.994
28.03.2017	119.1	161.28	158.76	130.31	402.4	129.56	472.25	434.67	227.79	353.52	233.51	156.93	298.99	167.03	172.76	77.45	184.09	289.473	348.829	179.982	254.39	266.323	864.625	323.649
27.03.2017	118.93	160.14	160.33	130.64	394.58	129.66	465.7	434.67	222.67	350.73	235.37	155.55	292.31	169.51	170.26	76.56	184	289.629	346.816	179.846	254.201	264.848	861.707	320.199
26.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.03.2017	120.58	160.95	158.91	129.14	397.57	130.55	477.17	432.22	225.02	343.75	235.51	157.02	299.81	174.64	171.45	76.6	184.8	292.218	344.672	179.597	253.706	266.616	864.022	321.87
23.03.2017	120.58	160.47	162.27	131.86	399.01	130.22	480.31	431.66	228.68	340.75	234.04	155.64	297.99	178.9	170.26	76.24	187.69	293.118	345.136	180.797	252.836	266.394	863.86	325.162
22.03.2017	121.64	159.58	161.45	132.99	397.84	130.33	480.62	432.6	228.46	340.46	230.05	156.1	302.39	174.64	167.1	76.57	189.35	289.501	343.279	179.432	250.26	264.147	851.249	323.528
21.03.2017	118.62	159.83	160.63	135.85	395.54	129.49	460.93	431.49	231.67	340.56	229.92	157.67	299.52	175.97	171.56	77.01	189.68	290.263	341.941	178.405	250.104	266.035	855.388	324.695
20.03.2017	117.53	159.43	157.79	136.32	402.74	130.32	460.98	427.21	231.79	337.75	235.37	159.06	303.21	178.39	168.46	77.89	189.3	295.077	340.591	179.774	248.477	267.368	855.949	323.999
19.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.03.2017	117.25	158.79	150.11	133.32	406.74	132.05	464.23	425.83	233.99	337.27	241.62	161.28	305.35	178.27	163.35	78.1	189.39	295.4	341.031	181.104	247.757	267.773	860.437	327.744
16.03.2017	116.86	157.58	151.16	132.75	404.94	131.73	454.69	424.79	233.08	335.66	242.69	161.18	299.71	181.38	161.34	77.98	189.68	293.226	339.567	179.286	247.378	265.733	854.445	326.555
15.03.2017	115.54	156.48	152.72	132.24	401.83	131.58	455.91	415.68	232.75	327.77	242.42	161.18	297.51	181.73	165.31	78.1	189.02	290.754	335.611	177.336	245.254	262.126	841.851	323.193
14.03.2017	114.18	154.2	153.47	132.57	398.78	130.01	450.84	416.37	233.34	327.77	241.49	159.15	291.25	182.54	162.75	76.83	189.25	287.878	336.148	176.803	245.495	260.622	839.268	320.09
13.03.2017	115.28	155.96	150.41	133.6	397.15	129.54	461.44	416.61	232	328.72	241.76	159.15	290.64	181.5	168.95	77.61	190.53	286.728	337.206	177.793	245.384	261.2	838.76	325.755
12.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.03.2017	116.26	155.9	144.22	132.66	392.74	130.25	459	415.76	225.7	327.77	242.29	162.85	286.49	173.27	166.44	77.73	190.63	285.269	336.594	179.286	244.549	260.239	839.275	325.426
09.03.2017	116.88	154.87	141.54	131.82	389.77	131.14	456.65	416.17	231.44	329.96	239.36	164.14	284.05	169.19	164.07	78.76	191.48	285.695	340.611	177.007	246.674	260.044	839.476	321.55
08.03.2017	117.76	155.65	142.58	133.04	394.86	131.6	456.83	418.08	232.58	335.04	244.68	165.25	287.04	165.96	159.49	80.39	193.51	287.244	339.664	175.351	245.752	260.507	837.444	327.235
07.03.2017	118.8	155.53	142.95	132.05	395.32	131.5	452.95	420.16	242.69	339.65	244.68	168.76	285.41	161.21	154.62	83.84	194.18	287.773	340.191	175.497	246.676	261.403	835.865	330.564
06.03.2017	120.68	155.48	144.3	132.75	401.18	133.32	455	423.17	252.9	344.24	254.65	169.5	290.14	154.87	157.75	83.71	196.45	287.927	341.319	175.448	248.972	261.92	834.535	330.954
05.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.03.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.03.2017	121.09	156.96	145.79	134.49	405.35	131.43	456.06	423.52	250.55	343.6	259.57	167.65	293.96	153.89	153.72	83.53	196.5	290.494	340.75	175.538	249.213	261.722	839.336	332.215
02.03.2017	121.04	158.6	143.77	135.48	406.26	129.39	456.77	425.73	245.76	343.75	261.44	167.38	294.64	157.41	152.47	82.59	196.45	291.968	341.179	175.53	249.927	263.257	845.331	332.114
01.03.2017	122.59	161.9	141.46	135.9	412.17	131.21	467.58	431.63	251.51	358.11	259.04	168.95	303.29	157.75	152.2	84.54	199.2	289.565	338.843	174.669	245.493	263.442	848.001	331.801
28.02.2017	123.07	159.8	142.36	133.83	409.29	128.65	457.89	432.98	250.41	357.72	255.72	164.05	299.47	155.85	150.84	84.89	196.16	284.17	337.641	172.586	245.132	261.475	844.742	325.762
27.02.2017	120.81	157.83	147.8	132.43	406.58	128.28	457.69	434.67	251.91	356.71	254.65	162.2	297.38	157.06	146.44	85.1	193.56	283.824	337.134	173.071	244.915	260.829	844.537	325.824
26.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.02.2017	119.96	156.52	148.69	137.26	406.15	129.04	458.14	434.5	247.68	356.5	263.43	165.62	299.89	156.83	151.55	84.93	193.99	283.191	336.216	173.879	243.786	259.804	852.143	326.861
23.02.2017	122.05	154.94	151.08	140.73	401.42	128.24	453.73	432.11	241.28	352.22	267.69	167.65	295.76	153.49	149.48	85.7	193.66	286.152	335.748	174.139	244.311	262.173	851.697	330.144
22.02.2017	121.68	156.36	148.77	141.62	413.9	127.22	461.44	425.86	246.55	349.06	275	168.58	303.71	156.2	146.87	84.42	195.74	286.977	332.923	172.319	245.466	262.156	848.914	328.666
21.02.2017	120.95	156.42	148.84	142.52	415.32	127.5	459.16	427.8	247.6	350.07	275.8	166.27	304.9	162.19	146.33	85.46	196.45	288.543	334.653	171.942	245.548	262.831	843.749	331.02
20.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	286.524	333.225	171.953	243.086	262.061	835.135	325.271
19.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.02.2017	120.45	155.88	149.14	140.36	408.43	127.27	456.47	427.87	252.11	350.63	269.41	168.39	297.59	163.17	160.47	84.65	197.59	285.715	331.963	170.338	242.024	261.532	823.876	324.968
16.02.2017	118.96	157.25	152.27	139.28	411.04	129.37	461.03	428.73	252.57	351.46	269.95	170.52	302.78	160.98	161.56	84.59	199.76	285.703	332.637	170.904	242.952	262.796	827.135	328.986
15.02.2017	119.11	158.62	148.17	137.92	415.67	130.23	471.89	425.79	249.36	349.27	271.68	173.11	304.14	163.17	165.14	84.71	202.98	285.111	331.101	170.354	242.952	262.739	824.661	334.275
14.02.2017	119.62	156.46	142.06	136.98	412.5	131.36	477.63	423.14	245.7	347.82	270.88	171.35	307.71	164.38	163.4	84.96	200	281.629	332.036	169.247	243.271	261.75	821.061	335.471
13.02.2017	118.01	155.17	143.55	137.54	418.44	131.8	491.02	423.27	244.85	346.47	265.82	172.64	309.23	160.69	164.87	84.43	201.85	282.155	333.618	168.688	243.604	261.281	822.4	335.814
12.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.02.2017	118.61	155.36	145.97	138.59	417.47	129.48	487.35	426.76	243.24	348.36	271.65	170.13	310.13	163.86	168.59	85.77	202.23	280.179	331.759	168.207	242.289	258.673	824.276	333.916
09.02.2017	120.31	153.27	148.19	137.63	398.97	128.45	473.72	427.07	234.45	344.4	274.6	166.56	299.93	163.17	173.02	84.05	200.21	278.019	332.97	169.599	242.506	256.768	827.113	331.236
08.02.2017	119.99	152.98	149.16	135.02	403.83	127.61	484.36	428	239.28	343.46	275.9	161.52	301.87	165.36	171.51	83.04	201.32	274.757	330.19	167.739	240.755	253.561	816.534	326.818
07.02.2017	121.8	151.5	149.69	134.29	396.8	126.9	475.4	426.83	235.99	344.18	275.29	160.11	295.94	166.4	170.88	82.17	197.89	274.476	322.89	166.303	236.204	254.56	805.341	328.3
06.02.2017	120.91	151.81	152.65	135.34	400.36	127.45	476.51	425.45	238.14	342.69	281.65	156.19	295.71	164.21	165.85	83	196.21	275.03	319.987	166.82	233.781	253.546	806.919	333.361
05.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.02.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.02.2017	120.92	151.83	154.51	137.26	395.29	128.77	471.99	421.55	233.03	338.54	280.72	159.06	296.05	161.96	166.56	84.42	194.51	277.445	322.595	167.775	234.561	255.088	813.98	334.745
02.02.2017	120.83	151.47	155.41	136.98	403.09	129.61	474.43	421.06	236.89	337.57	273.27	160.63	301.86	160.4	173.3	84.03	196.45	285.122	321.401	166.613	233.519	253.851	810.992	330.347
01.02.2017	119.01	150.69	157.27	140.92	407.3	128.82	472.86	417.23	233.56	337.98	277.13	160.35	305.04	159.31	172.27	84.61	196.35	281.319	320.13	166.555	233.21	255.002	817.812	331.299
31.01.2017	119.55	150.77	156.82	140.36	410.64	126.29	480.97	418.3	226.87	339.78	271.94	155.55	302.86	159.65	169.49	82.97	194.03	273.342	320.971	166.554	234.351	253.054	818.408	329.945
30.01.2017	120.31	149.29	154.96	141.86	398.8	124.94	475.04	412.98	220.57	332.21	270.08	153.05	294.09	157.29	175.75	82.46	193.7	289.293	320.634	166.821	234.137	254.446	824.77	332.394
29.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.01.2017	123.1	150.52	156.23	143.03	404.11	126.14	464.08	411.29	215.9	331.9	270.35	155.45	291.15	157.46	182.6	83.11	198.72	293.983	325.294	167.941	236.487	257.748	825.251	338.832
26.01.2017	123.24	150.87	158.99	142.14	401.2	125.03	471.74	411.77	214.44	326.36	270.74	157.86	292.66	154.99	184.72	84.22	198.77	293.003	327.307	169.183	236.666	258.444	830.184	341.137
25.01.2017	124.7	152.04	163.46	143.5	407.01	124.5	484.98	414.54	221.08	328.88	270.48	156.93	296.74	161.73	181.95	82.76	199.86	295.086	328.633	168.774	237.175	258.734	824.529	342.192
24.01.2017	124.53	154.92	164.13	142.98	407.18	123.98	485.79	419.06	223.38	332.85	273.67	157.76	299.44	155.91	179.17	83.6	200.47	292.487	330.095	168.544	237.595	256.01	828.183	339.826
23.01.2017	125.27	153.51	161.45	145.85	396.95	125.77	478.23	420.75	221.36	332.87	274.47	160.17	295.55	156.25	177.11	83.08	200.33	289.25	329.798	176.624	237.879	255.972	836.684	338.467
22.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.01.2017	125.22	153.3	159.58	143.78	393.79	123.09	468.59	417.02	221.22	329.89	268.35	158.32	293.19	157.87	174.61	83.68	202.18	290.024	332.582	178.359	237.322	256.508	842.561	342.143
19.01.2017	125.76	151.62	161.37	141.48	393.07	122.5	463.72	415.85	226.36	329.3	268.35	156.56	293.29	159.02	182.71	81.92	202.7	287.373	332.391	176.679	238.297	256.654	840.524	341.171
18.01.2017	125.24	152.33	166.52	140.03	395.06	121.77	467.88	419.54	232.1	334.57	278.99	159.33	293.98	158.67	179.12	81.78	203.6	284.592	334.512	176.949	239.232	256.446	843.405	344.507
17.01.2017	125.01	149.23	166.67	140.69	394.1	121.52	465.4	419.85	231.75	332.13	275.66	160.26	287.62	160.75	185.15	83.86	202.51	282.089	334.711	177.545	239.245	257.233	845.124	344.093
16.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	282.528	332.234	177.538	237.667	257.282	844.528	344.633
15.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.01.2017	123.96	150.15	165.03	140.12	404.73	121.79	467.68	414.05	238.45	324.71	272.87	157.49	295.6	160.52	184.67	83.76	198.15	284.988	334.955	179.356	237.611	259.541	857.386	348.569
12.01.2017	122.6	148.52	166.29	140.4	399.97	121.91	445.95	415.15	234.39	325.88	276.06	157.58	288.71	158.69	183.3	84.44	197.02	280.501	333.646	178.122	237.056	257.435	852.98	347.204
11.01.2017	124.4	145.9	158.61	139.84	391.26	123.26	432.05	413.83	232.15	325.93	273.4	154.81	285.71	156.63	175.08	83.05	191.57	278.236	331.824	178.788	234.819	258.238	856.92	347.146
10.01.2017	125.27	145.13	164.58	138.62	394.26	123.34	442.87	409.77	242.01	326.32	272.34	157.76	287.75	153.91	178.18	80.77	192	277.723	331.267	177.751	234.542	256.619	848.145	344.254
09.01.2017	121.96	143.2	162.86	135.34	382.75	123	426.23	409.36	236.78	323.13	271.54	157.95	281.93	149.11	168.84	82.3	190.39	277.396	334.051	177.901	237.148	258.561	849.946	344.484
08.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.01.2017	120.29	142.04	168.61	134.07	382.67	124.69	415.58	405.18	233.43	319.95	275.93	156.47	276.78	147.49	178.63	85.15	188.4	281.156	334.574	178.967	239.048	260.107	863.191	350.001
05.01.2017	120.5	141.11	168.68	134.91	381.97	124.33	415.12	407.91	234.58	322.23	276.33	157.58	276.75	149.57	177.98	84.78	191.76	282.194	336.426	178.802	240.08	259.01	863.843	351.679
04.01.2017	121.02	139.7	166.82	133.08	386.53	124.84	420.24	402.38	232.88	320.59	277.79	154.71	277.04	148.93	177.65	84.33	192.28	281.684	338.07	177.067	239.436	256.265	855.097	353.079
03.01.2017	120.54	139.86	161.52	128.95	376.64	120.96	407.2	401.24	225.82	317.82	272.74	150.28	266.46	146.4	180.91	83.16	188.45	284.137	340.452	175.966	241.698	257.859	845.335	353.317
02.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	283.373	342.767	175.09	242.842	256.701	839.763	349.212
01.01.2017 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2016 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

11.11.2016	112.43	144.79	184.27	153.07	380.43	116.33	427.85	423.65	255.86	338.52	288.56	155.82	261.88	125.3	154.98	69.23	186.74	251.728	312.865	163.348	230.968	232.123	793.203	298.48
10.11.2016	111.44	146.9	182.16	154.75	383.9	117.47	436.61	438.2	263.35	364.68	287.9	154.95	267.42	122.5	150.91	70.82	189.02	259.154	313.524	163.417	228.386	233.726	792.245	306.919
09.11.2016	110.38	145.45	183.46	161.73	370.99	115.66	433.87	440.53	264.11	357.36	294.02	154.31	263.63	117.73	151.79	71.3	187.69	256.357	323.624	167.936	239.646	236.949	813.206	307.708
08.11.2016	109.42	143.61	185.43	158.59	358.73	116.26	430.4	440.61	256.9	356.5	292.15	155.99	262.38	115.24	147.03	70.83	191.52	249.625	329.762	167.856	241.908	239.752	808.934	305.387
07.11.2016	107.8	143.24	185.07	164.31	349.19	115.57	422.41	442.06	253.87	352.05	296.14	152.88	261.24	111.76	154.89	70.55	189.11	248.472	328.911	167.4	241.498	239.566	806.551	302.616
06.11.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.11.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.11.2016	108.8	142.83	192.47	160.82	341.96	115.49	425.06	450.45	238.52	355.82	288.96	153.14	259.07	106.4	150.46	69.57	187.64	244.432	327.013	166.123	241.123	236.466	800.431	297.93
03.11.2016	110.12	143.77	201.72	155.47	339.9	114.71	423.34	450.03	238.97	356.69	285.64	152.31	263.28	108.36	150.57	70.73	187.41	248.222	328.57	168.933	241.678	237.935	810.83	299.769
02.11.2016	111.61	143.33	202.01	152.89	337.14	115.6	415.63	451.73	235.28	362.06	288.56	154.44	256.79	110.26	151.82	71.53	186.84	247.001	328.643	169.015	241.489	237.913	806.127	299.33
01.11.2016	111.66	144.06	201.04	151.53	337.08	114.93	418.87	444.75	237.29	356.73	281.78	153.14	261.13	107.09	157.8	73.63	188.12	248.335	334.129	170.484	246.458	241.93	815.199	305.847
31.10.2016	109.01	144.04	203.95	154.06	332.46	116.04	417.86	439.61	238.93	344.68	286.83	153.88	260.66	110.55	164.55	73.71	191.62	251.37	336.777	172.78	250.379	244.194	827.902	306.627
30.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.10.2016	109.9	142.77	205.52	155.33	331.81	119.35	418.16	440.88	237.95	344.68	294.68	151.02	254.06	107.9	168.84	76.64	191.67	254.158	337.365	173.565	250.117	244.79	834.338	311.543
27.10.2016	111.01	141.05	203.73	154.67	328.2	117.56	414.31	438.36	236.37	341.64	300.4	153.23	250.48	104.61	166.83	78.01	194.13	253.462	336.636	173.725	249.643	244.931	837.641	313.68
26.10.2016	110.33	139.3	206.49	153.64	324.79	116.72	414.76	437.36	234.08	341.39	301.46	152.13	247.83	101.9	165.09	77.22	193.37	252.485	337.854	175.248	250.19	245.392	840.609	310.508
25.10.2016	109.79	138.43	203.95	154.39	324.34	115.42	415.73	439.78	233.27	344.37	304.92	149.45	250.85	102.88	171.23	78.21	189.82	253.211	335.489	175.302	249.762	245.534	843.913	314.355
24.10.2016	110.16	135.23	201.72	148.19	317.66	115.89	409.54	436.36	230.52	340.96	308.51	148.8	244.99	99.6	180.48	78.99	189.82	240.222	336.384	172.63	249.408	246.027	832.141	313.303
23.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.10.2016	107.67	134.82	203.21	146.5	317.47	116.4	404.72	437.74	227.22	338.81	301.99	153.23	239.42	96.48	182.76	79.4	187.93	242.864	337.58	172.22	252.387	244.547	833.375	314.409
20.10.2016	105.94	133.73	202.61	146.32	318.67	117.63	408.17	437.67	231.09	339.9	300.8	154.16	242.1	94.75	186.73	78.8	186.51	243.055	337.813	171.071	253.277	244.103	831.403	313.977
19.10.2016	102.77	135.36	203.13	148.15	319.97	119.82	404.87	438.5	235.21	342.11	305.19	155.36	244.43	94.93	186.73	80.56	187.59	244.104	336.178	170.579	252.416	243.453	829.578	313.103
18.10.2016	105.08	136.12	201.19	148.99	320.62	119.9	399.7	436.08	237.51	341.62	306.12	155.27	241.89	94.81	190.59	78.98	185.84	242.905	334.865	171.262	251.636	241.46	834.73	310.675
17.10.2016	104.84	137.68	200.6	147.44	320.23	119.97	402.89	433.91	234.79	338.45	307.98	156.65	240.72	95.91	189.29	78.59	186.74	237.75	328.271	168.218	246.972	239.723	819.83	306.679
16.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.10.2016	103.24	138.93	202.68	145.85	320.29	118.92	404.67	433.53	239.32	337.81	304.65	155.64	239.1	97.35	190.48	79.13	183.76	239.338	328.885	168.159	249.061	240.617	823.267	311.138
13.10.2016	102.06	140.4	201.04	143.31	322.85	116.8	404.21	434.25	238.05	338.14	304.79	153.79	237.22	101.84	192.06	79.3	182.72	237.115	322.694	165.026	244.989	237.933	815.257	307.392
12.10.2016	104.21	139.77	197.09	142.75	329.73	116.23	409.57	432.94	241.06	339.05	307.85	146.67	239.67	101.56	183.25	78.76	180.28	241.276	321.068	166.126	244.377	239.56	818.608	309.155
11.10.2016	105.53	139.22	198.73	141.53	329.53	113.14	414.34	433.67	237.76	339.12	309.71	150.55	238.06	98.62	182.28	79.56	181.58	243.33	322.113	167.788	245.556	239.488	828.256	309.776
10.10.2016	106.79	140.12	198.14	143.45	331.93	113.52	424.91	435.22	239.85	342.03	307.58	149.26	246.28	97.69	181.98	80.44	181.31	244.635	323.491	167.909	244.98	239.242	828.393	313.869
09.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.10.2016	109.76	138.89	207.68	138.9	327.05	112.88	420.18	432.29	232.47	336.63	311.44	145.93	246.01	98.21	175.78	78.4	181.44	242.102	320.28	165.759	244.141	236.885	821.307	307.666
06.10.2016	109.94	138.97	207.83	137.4	325.54	113.75	415.73	432.67	233.63	335.95	307.31	146.3	245.84	99.54	165.8	79.09	181.53	243.536	324.537	168.368	249.818	239.999	830.461	306.992
05.10.2016	109.91	138.78	211.48	139.09	328.51	114.29	413.8	438.05	229.64	342.73	316.62	149.72	248.01	95.56	165.36	78.25	181.2	242.551	327.006	170.795	253.753	241.877	844.329	307.708
04.10.2016	109.72	138.28	209.92	138.39	328.88	117.41	419.58	438.43	229.66	344.28	309.31	146.21	252.12	100.29	161.17	76.82	182.48	243.444	332.712	173.173	259.734	244.116	858.043	305.854
03.10.2016	106.64	138.95	208.28	138.48	329.93	115.47	424.51	453.28	235.89	365.45	301.46	146.21	254.88	101.84	158.95	76.61	184.28	242.903	333.153	171.95	260.819	243.15	849.243	299.954
02.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.09.2016	106.83	138.66	205.89	142.23	333.22	114.73	430.24	454.8	241.13	372.15	305.85	148.61	251.88	101.38	158.02	75.79	180.68	240.899	335.702	172.972	261.907	243.826	848.039	297.821
29.09.2016	110.14	138.49	203.43	140.92	331.66	114.14	418.21	457.87	237.97	371.64	310.51	147.5	249.71	108.3	160.9	75.14	179.97	240.343	336.54	175.43	263.523	242.565	848.458	299.563
28.09.2016	110.7	137.97	210.66	143.69	330.1	115.4	405.07	457.08	243.93	370.35	316.22	149.08	247.24	107.67	163.24	73.73	179.07	242.682	333.841	175.465	260.81	242.349	848.277	285.473
27.09.2016	110.06	136.81	213.87	144.25	327.96	117.53	398.58	459.39	242.44	371.2	311.7	149.35	245.94	107.09	165.85	70.14	180.4	240.503	330.746	173.889	259.514	242.522	844.322	283.456
26.09.2016	113.4	137.64	212.16	144.11	331.57	118.1	394.32	464.12	240.15	379.55	307.45	146.4	242.42	112.05	166.12	72.2	179.02	239.534	330.396	174.099	257.758	242.517	841.023	287.411
25.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.09.2016	114.33	135.75	212.68	142.09	332.5	118.08	388.74	463.29	243.2	383.69	301.86	149.63	241.09	112.74	163.84	70.29	180.87	243.869	332.345	177.177	259.609	246.268	851.671	292.152
22.09.2016	114.38	135.54	217.75	145.71	332.45	120.85	395.13	464.33	243.21	389.29	301.46	149.91	243.03	112.05	166.45	72.61	184.94	244.789	336.394	178.163	262.389	248.315	862.684	293.963
21.09.2016	115.64	131.22	214.54	146.93	326.14	120.69	392.14	459.74	236.09	382.88	302.66	150.74	240.62	111.24	170.31	71.22	184.75	239.83	329.055	174.98	256.877	244.02	849.83	287.419
20.09.2016	114.37	130.58	213.72	147.16	328.21	119.31	401.27	455.18	235.2	373.37	301.86	150.09	243.5	113.14	169.06	69.61	187.45	239.329	330.483	172.085	258.529	244.595	839.999	286.232
19.09.2016	114.78	131.06	214.17	143.41	327.13	115.44	396.09	455.04	231.56	373.62	302.53	149.35	238.31	111.07	163.4	69.69	184.19	239.558	331.602	171.62	259.936	244.883	841.046	289.225
18.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.09.2016	115.54	130.49	209.02	139.28	328.03	113.38	392.64	452.42	221.83	365.33	298.8	149.08	234.52	115.16	164.27	69.52	182.95	235.617	327.846	170.549	256.639	242.189	834.594	285.21
15.09.2016	114.38	130.16	211.19	139.75	327.55	114.12	394.86	455.11	221.61	368.8	281.38	147.69	236.27	114.01	163.24	70.57	180.02	236.592	329.854	169.833	258.653	244.578	836.122	288.337
14.09.2016	113.66	131.24	209.47	139.75	326.95	113.8	397.56	457.91	224.47	369.28	275.66	148.98	240.96	113.2	161.45	69.54	178.55	235.376	329.867	169.182	258.522	243.96	836.441	287.479
13.09.2016	113.1	129.49	207.46	139.28	318.56	112.74	383.63	457.08	224.9	367.52	277.31	148.24	236.64	119.4	161.66	71.24	178.79	234.279	329.824	170.805	259.346	241.842	840.831	289.884
12.09.2016	114.03	129.65	208.05	141.62	318.26	112.39	381.25	457.73	229.87	368	274.02	151.29	239.59	128.15	160.83	72.91	182.62	237.601	332.533	174.583	262.907	244.797	853.773	298.309
11.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.09.2016	112.43	130.46	205.97	141.86	317.18	116.41	385.24	460.81	236.47	375.13	269.55	149.17	242.69	131.65	154.12	72.26	185.65	239.592	337.891	177.283	265.998	247.155	857.196	301.314
08.09.2016	109.48	131.45	215.14	145.38	319.27	116.77	389.75	463.26	235.81	381.13	270.64	150.09	244.98	138.09	153.79	74.74	184.99	244.026	342.425	178.842	268.425	251.022	866.46	305.828
07.09.2016	110.59	131.62	216.93	145.57	318.25	117.19	388.53	465.88	232.64	384.43	269.81	148.89	245.89	140.35	145.51	71.43	184.75	245.577	343.314	177.168	268.93	251.224	868.574	304.98
06.09.2016	108.08	131.3	217.97	144.3	316.22	116.68	394.01	467.54	230.34	390.04	268.88	147.32	245.73	135.85	147.74	70.4	181.77	243.224	339.275	176.698	271.127	249.917	873.096	301.846
05.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	241.899	340.688	176.458	271.009	250.67	877.623	305.153
04.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.09.2016	110.07	131.68	216.26	142.09	316.82	114.24	393.66	458.11	229.2	375.09	268.35	147.6	250.61	140.06	151.82	69.91	180.4	241.619	338.693	175.933	269.147	249.688	879.205	302.249
01.09.2016	112.2	133.42	216.03	142.09	317	114.9	391.22	454.8	225.8	366.9	260.51	145.93	247.83	145.99	151.82	68.06	178.74	236.485	331.632	172.984	260.859	247.115	863.128	293.42
31.08.2016	115.43	133.42	216.11	138.01	316.15	110.52	386	452.83	222.52	362.33	266.76	143.53	244.99	144.9	156.99	70.42	178.6	235.572	331.343	173.15	261.326	246.2	872.729	296.15
30.08.2016	116.41	134.86	215.51	137.07	315.43	111.71	380.31	454.59	224.05	361.67	272.87	145.01	245.12	143.05	153.72	73.02	180.07	239.615	331.2	172.499	262.338	247.652	876.801	300.637
29.08.2016	113.65	136.04	218.12	136.18	316.01	112.82	379.81	458.25	223.66	365.27	274.87	146.77	245.52	141.5	157.48	73.98	182.62	242.128	330.689	172.261	263.282	247.125	879.95	298.651
28.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.08.2016	114.86	136.04	224.83	135.95	316.01	114.64	379.81	457.84	223.66	363.06	274.07	150.65	245.52	141.38	158.4	75.04	183.19	243.231	332.559	173.19	264.256	247.552	880.532	299.742
25.08.2016	117.11	136.27	225.8	135.57	316.83	114.66	377.17	457.39	224.49	360.55	273.27	156.65	243.58	135.33	156.88	74.75	184.75	240.169	331.082	172.24	263.12	247.371	875.681	295.837
24.08.2016	117.59	136.44	224.98	134.3	317.19	114.24	375.6	459.15	227.95	361.96	268.88	157.58	241.28	139.08	154.16	73.93	190.39	240.313	331.928	172.901	263.08	249.952	882.396	297.6
23.08.2016	118.53	138.35	226.77	138.2	322.49	115.34	376.97	464.81	234.15	369.26	275.66	158.04	244.06	139.54	151.93	75.45	191.95	239.107	332.033	173.004	263.38	247.325	882.156	296.893
22.08.2016	119.26	138.22	222.52	137.4	325.23	115.07	375.44	463.88	234.15	367.96	271.54	160.91	241.68	140.98	146.87	74.45	192.38	237	329.807	171.448	262.388	244.768	878.073	295.491
21.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.08.2016	119.11	138.2	231.1	132.9	328.68	114.64	381.53	464.85	236.27	376.7	262.9	164.42	242.26	142.77	142.41	76.71	190.25	236.091	328.908	170.441	261.437	244.394	877.824	298.522
18.08.2016	119.31	139.55	232.14	132.75	329.38	116.3	383.87	468.65	236.14	384.81	265.69	164.23	243.27	139.94	147.47	76.51	192.14	239.131	332.711	172.669	264.099	244.725	887.097	302.024
17.08.2016	121.2	140.49	229.6	129.61	327.03	115.96	380.87	465.75	233.18	382.84	262.23	163.77	240.85	140.63	144.59	74.62	192.42	236.726	331.246	172.061	261.074	241.925	879.344	299.202
16.08.2016	122.13	140.38	228.11	132.1	329.58	115.6	380.16	468.54	234	387.22	269.41	162.48	239.05	137.98	144.48	73.88	190.77	239.02	335.869	173.04	265.146	243.921	886.375	300.39
15.08.2016	122.81	138.97	224.83	131.91	326.55	116.04	378.49	465.3	239.84	386.69	265.69	162.01	239.98	144.09	142.96	72.66	191.15	242.476	341.695	174.527	268.845	245.714	896.62	299.818
14.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.08.2016	123.35	137.18	222.3	131.72	326.07	119.06	372.3	463.81	235.16	383.96	262.1	162.66	237.14	138.33	142.79	70.68	185.94	242.724	342.248	175.492	269.32	246.487	899.405	299.277
11.08.2016	123.34	137.02	223.19	132.47	332.07	121.1	371.49	466.16	245.01	390.12	260.64	161.55	241.15	134.7	141.76	69.38	186.36	243.761	342.446	175.971	269.378	244.494	899.97	299.885
10.08.2016	124.04	136.46	224.31	132.9	330.27	120.39	368.52	466.82	247.84	392.54	261.17	161.76	242.21	135.97	141.65	66.4	186.03	242.717	338.962	175.53	266.465	243.316	890.331	297.244
09.08.2016	124.23	135.99	220.89	134.48	327.3	123.1	365.42	465.02	245.96	385.85	271.14	158.54	240.94	134.18	143.63	67.73	187.12	244.12	340.666	175.32	270.144	244.498	894.054	299.269
08.08.2016	123.74	135.98	224.35	133.82	329.37	128.16	362.56	463.16	245.68	384.49	273.27	157.38	241.28	135.68	150.1	68.05	186.55	239.921	341.148	172.909	269.871	241.496	887.283	298.816
07.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.08.2016	124.59	136.1	224.77	134.43	327.89	129.32	361.39	464.23	244.42	384.26	270.61	155.42	240.11	134.41	151.14	66.37	184.56	238.788	341.479	173.368	269.341	241.092	889.528	296.967
04.08.2016	123.73	134.23	223.04	133.36	330.68	127.79	362.96	472.17	241.85	395.95	261.97	149.08	238.94	134.87	154.11	66.28	181.2	234.348	339.949	171.738	269.72	237.792	879.587	294.198
03.08.2016	124.16	135.92	223.19	131.77	333.75	125.19	364.99	471.24	244.82	396.49	253.19	151.66	240.83	137.18	154.38	64.71	180.97	233.328	337.671	171.22	268.288	236.595	878.067	290.6
02.08.2016	123.34	134.5	215.96	132.57	335.04	124.67	368.75	473.96	244.62	400.95	253.32	148.34	241.15	139.54	148.61	62.86	180.49	233.048	338.716	170.318	269.515	235.528	870.044	289.585
01.08.2016	122.77	135.38	218.2	134.63	334.32	125.35	368.9	469.48	244.88	397.06	250.13	150.09	240.3	139.71	150.68	63.32	182.1	235.587	342.991	173.655	272.654	237.384	877.179	293.793
31.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.07.2016	120	136.29	211.41	137.21	337.42	124.77	369	468.75	242.55	394.09	253.32	150.74	237.8	136.14	156.39	65.48	189.96	237.606	344.84	174.012	275.078	237.922	877.493	300.632
28.07.2016	120.42	133.22	212.53	133.41	335.43	123.09	364.89	463.12	244.01	391.09	250	151.66	233.67	136.48	156.23	64.99	185.23	235.921	341.514	173.401	276.094	236.373	877.655	302.326
27.07.2016	121.57	131.8	213.05	132.52	332.26	123.95	364.18	460.81	236.23	387.27	253.99	153.33	230.43	140.75	144.64	66.13	186.74	236.73	346.396	174.916	277.554	236.205	888.617	309.811
26.07.2016	121.13	131.84	212.6	132.9	337.81	124.62	371.28	458.67	236.14	381.23	259.57	153.42	236.27	146.69	145.57	67.73	184.42	238.51	346.034	173.306	278.085	234.196	886.82	310.249
25.07.2016	119.7	132.92	212.83	132.43	335.72	121.82	373.11	458.29	239.02	380.53	264.49	158.6	238.34	148.36	147.47	67.79	183	232.273	346.358	173.65	277.833	234.385	895.216	309.952
24.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.07.2016	116.36	133.44	215.21	133.18	337.26	122.48	372.65	459.77	237.59	381.35	260.51	157.21	237.99	147.32	149.16	69.29	187.17	231.41	344.342	173.188	276.793	232.832	895.463	316.711
21.07.2016	113.9	132.65	216.41	137.82	341.09	122.97	377.27	462.33	245.61	383.79	260.11	154.44	238.87	143.57	144.59	70.19	191.76	229.496	344.312	171.76	276.539	233.372	877.517	318.355
20.07.2016	116.63	134.67	221.4	137.96	340.38	121.92	376.15	458.18	241.52	379.88	256.38	152.68	237.99	147.26	142.52	71.61	191.1	228.357	343.028	172.7	276.628	233.572	877.117	317.684
19.07.2016	118.06	136.48	223.56	137.54	341.46	123.47	377.37	462.67	241.05	387.51	257.45	154.53	237.65	148.24	146.22	71.09	194.65	224.437	339.659	172.686	274.131	231.678	876.662	318.092
18.07.2016	119.29	137.49	230.05	140.26	338.38	124.62	375.9	461.6	240.7	388.82	257.58	158.78	235.13	150.72	146.38	71.42	201.94	225.06	341.217	174.071	275.669	230.883	881.029	317.53
17.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

27.05.2016	125.39	128.83	224.09	113.84	322.28	108.32	344.34	420.13	192	315.11	232.98	178	201.27	186.92	117.94	76.82	205.78	225.382	348.031	194.728	270.478	243.679	942.855	293.582
26.05.2016	124.24	128.87	217.45	114.03	319.9	108.41	339.62	422.2	191.41	316.54	231.65	177.91	198.81	187.38	116.97	77	204.5	224.669	347.455	194.645	269.122	242.618	943.517	295.334
25.05.2016	122.1	127.94	218.05	113.94	319.42	106	331.3	423.55	190.4	314.95	228.19	172.27	194.22	184.03	118.6	77.18	205.59	221.956	345.942	192.692	268.214	241.694	946.703	296.62
24.05.2016	121.81	128.96	220.21	114.31	315.79	106.18	334.25	425.48	191.55	314.82	220.88	171.53	193.69	183	116.69	76.01	199.76	220.694	343.159	190.061	264.774	243.196	930.797	288.897
23.05.2016	123.14	128.77	220.66	114.64	313.03	103.56	335.62	433.32	189.97	318.09	223.4	170.79	194.99	182.82	119.58	75.31	200.47	216.519	336.924	187.428	259.419	241.139	917.811	284.492
22.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.05.2016	126.49	128.25	217.15	117.03	314.12	103.93	339.47	433.7	193.9	320.2	226.99	172.92	197.72	185.01	120.01	75.74	203.46	217.023	339.675	189.116	260.739	240.871	927.901	288.818
19.05.2016	127.28	128.11	215.73	116.33	314.31	102.92	341.76	434.25	195.16	319.45	222.07	173.29	196.95	186.92	119.36	75.67	202.94	214.641	336.339	186.592	257.682	239.096	918.461	284.892
18.05.2016	128.9	128.65	218.57	122.1	316.51	104.57	345.31	440.99	197.01	331.82	223.54	177.45	199.95	188.88	115.88	76.14	203.65	215.291	339.621	189.305	261.78	243.448	932.583	294.39
17.05.2016	128.68	128.08	216.18	124.54	319.37	104.82	348.86	441.82	200.67	334.11	223.67	178.1	201.56	192.33	118.81	76.16	204.59	216.756	338.813	188.831	260.831	241.767	921.029	292.671
16.05.2016	128.22	128.21	218.27	125.39	318.49	102.78	352.26	440.81	198.96	332.25	224.6	175.51	201.22	192.28	118.38	75.32	201.61	215.707	339.813	187.888	261.163	240.513	910.298	291.714
15.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.05.2016	127.33	127.17	221.25	122.1	317.36	102.16	346.73	440.26	197.15	331.82	222.61	175.51	200.13	190.32	122.02	73.31	201.7	214.541	342.133	189.672	261.87	240.584	910.963	288.901
12.05.2016	127.64	128.04	225.21	122.06	316.42	102.34	346.83	439.74	196.95	331.26	225.8	173.01	198.2	191.93	125.01	73.59	203.03	216.406	340.399	188.051	259.769	240.752	903.616	288.731
11.05.2016	128.95	129.62	228.93	121.77	322.96	102.12	359.45	441.15	202.72	335.44	223.01	169.69	201.66	191.64	123.73	73.02	204.21	217.281	338.156	186.107	258.491	240.109	902.103	288.453
10.05.2016	130.13	128.77	231.25	120.84	321.1	102.63	354.25	437.26	198.66	331.05	213.03	170.52	195.73	187.49	121.49	69.86	205.3	215.452	342.773	187.067	263.651	239.711	903.579	286.991
09.05.2016	130.77	129.3	229.6	118.68	321.56	103.35	350.8	437.71	196.2	330.99	211.17	168.76	194.26	185.78	116.93	67.37	194.41	214.502	338.223	185.083	262.137	238.23	889.996	282.763
08.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.05.2016	128.73	132.45	229.23	116.85	330.19	104.2	354.87	446.99	206.73	339.47	209.31	171.44	199.81	187.83	115.79	69.63	195.98	214.091	338.773	184.501	261.511	238.341	878.647	289.457
05.05.2016	128.24	133.32	235.5	114.03	328.59	104.13	351.7	439.33	205.63	335.6	210.64	171.26	196.9	189.8	112.89	69	191.71	214.621	339.062	186.69	261.387	239.65	886.585	288.601
04.05.2016	125.79	135.36	237.58	112.34	334.06	105.8	357.13	440.06	215.37	335.1	221.41	174.21	199.76	188.65	116.42	68.36	195.83	213.381	336.629	183.657	262.949	238.981	879.171	284.945
03.05.2016	124.76	135.4	239	111.92	337.62	106.27	358.04	446.06	217.09	338.93	216.09	174.03	200.8	191.18	113.43	68.56	195.08	214.229	338.344	187.316	266.732	238.492	894.38	290.162
02.05.2016	124.01	139.57	239.9	112.29	346.74	108.48	366.16	447.44	215.46	342.48	215.56	180.31	205.2	190.66	111.04	70.3	197.68	218.579	344.106	188.203	269.726	241.335	902.083	297.785
01.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.04.2016	123.06	139.57	241.09	114.03	346.74	107.47	366.16	445.61	215.46	345.13	217.02	180.59	205.2	188.36	118.43	72.1	195.03	220.062	343.392	188.001	271.102	241.684	901.684	299.057
28.04.2016	122.86	138.62	237.29	113.51	339.39	107.33	355.25	437.29	212.04	340.65	208.91	179.48	202.47	186.22	113	72.53	194.6	226.913	346.758	190.448	272.946	243.927	924.387	306.665
27.04.2016	126.21	136.77	237.88	114.03	336.61	108.11	351.65	431.77	209.88	335.75	210.64	178.74	199.66	183.23	117.07	71.26	194.79	222.913	344.671	190.964	273.703	243.423	925.828	304.763
26.04.2016	127.15	137.1	239.45	118.02	340.66	107.57	355	429.35	209.64	332.35	213.43	180.31	200.8	179.42	117.4	69.45	194.55	218.157	340.464	190.184	270.16	241.662	929.739	298.665
25.04.2016	124.99	137.47	236.17	115.95	343.04	107.92	356.52	428.25	208.28	330.41	211.3	176.62	199.05	180.86	118.92	67.53	191.24	209.327	336.349	189.095	268.084	241.112	930.382	294.933
24.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.04.2016	123.1	137.33	235.27	115.77	345.46	107.33	363.52	424.72	207.39	328.3	205.72	175.23	202.23	181.73	123.27	68.77	188.68	211.443	338.204	191.02	267.879	241.577	930.047	299.88
21.04.2016	125.7	135.87	231.69	116.47	343.02	107.87	361.59	431.73	207.63	332	209.97	186.14	202.92	183.34	120.07	67.94	194.6	214.658	336.515	192.226	268.218	241.627	937.423	298.907
20.04.2016	125.99	134.82	230.43	120.79	341.79	108	359.31	433.15	212.79	332.81	210.24	189.37	205.33	183.52	118.54	69.15	192.99	217.68	339.41	193.249	272.855	241.925	944.612	295.601
19.04.2016	127.24	131.99	229.6	120.04	338.7	106.29	357.13	433.11	211.51	329.54	205.05	182.72	205.06	181.96	118.98	66.66	188.4	215.886	336.62	193.644	272.829	240.187	942.38	292.63
18.04.2016	127.86	130.62	226.77	118.21	331.23	104.87	347.39	426.45	208.55	315.57	206.65	177.82	200.5	179.42	111.2	64.89	182.39	215.64	334.315	191.317	270.07	237.148	920.751	288.32
17.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.04.2016	131.21	129.08	222.74	117.17	329.86	101.15	347.29	426.31	203.45	316.72	202.13	172.83	198.22	178.96	108.59	65.32	182.62	214.224	332.422	190.849	269.087	237.02	921.025	289.17
14.04.2016	130.74	129.37	222.82	117.41	331.44	102.54	346.93	423.52	205.3	313.98	191.09	172.55	197.59	177.81	112.18	66.81	181.11	217.655	332.197	190.589	268.616	237.977	915.078	290.701
13.04.2016	130.69	129.29	220.28	116	331.3	103.29	356.27	431.04	205.11	316.95	190.03	172.83	199.79	180.06	115.23	67.35	182.67	217.1	331.318	189.874	268.209	236.897	917.062	290.492
12.04.2016	131.82	127.07	220.49	118.22	327.04	102.85	349.54	435.39	202.21	314.79	189.97	169.13	193.93	182.59	112.41	67.74	178.61	208.575	327.502	188.218	264.813	233.637	911.257	280.699
11.04.2016	132.27	124.85	217.87	116.84	319.9	101.83	343.76	434.39	195.25	309.87	190.08	166.89	186.13	183.57	106.87	64.92	176.77	208.312	326.568	186.994	264.348	233.827	903.241	276.164
10.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.04.2016	133.1	125.68	214.82	113.83	319.03	100.89	345.65	429.49	194.89	298.26	196.36	171.11	185.86	186.46	110.1	63.51	174.25	206.971	324.177	185.624	262.588	232.68	900.505	274.053
07.04.2016	131.01	124.15	212.86	112.84	319.14	99.32	345.78	427.31	191.27	293.74	192.37	169.5	185.39	184.61	110.64	59.32	171.62	206.439	319.486	184.594	259.296	228.291	889.218	264.41
06.04.2016	130.68	125.07	216.26	114.03	328.66	99.01	347.39	422.58	195.78	291.57	194.41	171.16	191.09	184.38	103.92	59.85	171.97	210.108	321.964	185.249	259.153	229.997	885.44	265.225
05.04.2016	129.74	125.59	214.91	113.47	327.85	99.26	343.68	424.59	193.28	292.78	194.68	175.23	191.6	182.13	106.25	57.1	171.35	213.089	322.702	183.985	257.099	228.464	874.936	263.148
04.04.2016	133.03	126.88	214.09	115.25	326.83	99.36	347.39	421.03	190.64	289.44	194.68	175.51	196.1	181.5	108.65	57.2	173.01	215.517	328.929	188.294	261.674	232.234	896.387	270.263
03.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.04.2016	132.94	126.98	214.84	119.43	332.07	99.76	353.88	422.48	189.64	291.42	201.86	175.88	198.04	183	106.36	58.76	173.91	216.324	328.145	191.809	259.653	231.048	899.087	268.599
31.03.2016	133.42	125.68	219.99	119.62	333.12	98.48	345.21	426.66	193.54	299.52	204.12	175.05	192.18	186.4	106.53	61.32	172.49	219.863	330.971	195.204	264.153	233.176	912.567	275.745
30.03.2016	131.85	123.62	221.77	119.19	334.86	97.19	351.14	424.24	192.18	294.62	211.04	171.53	190.06	188.01	108.54	61.12	172.16	224.787	336.844	198.065	268.002	235.979	924.9	281.298
29.03.2016	134.65	123.02	221.48	119.62	335.96	96.7	352.31	427.31	192.66	295.04	210.9	176.25	188.39	191.18	107.72	60.85	173.48	220.8	334.2	196.009	263.26	232.144	908.336	273.999
28.03.2016	134.66	122.06	221.48	120.65	339.77	97.4	357.23	421.96	197.31	294.21	211.97	174.12	189.82	190.09	105.27	62.41	172.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.03.2016	134.56	122.06	220.88	119.71	339.77	97.27	357.23	422.48	197.31	294.38	211.04	171.16	189.82	186.4	102.34	62.76	172.44	221.211	330.638	193.628	260.443	233.185	902.897	276.422
23.03.2016	134.27	122.39	220.95	123.04	339.97	98.4	360.38	423.2	198.37	295.8	222.21	171.16	194.46	190.84	101.58	63.03	171.45	223.313	331.012	197.217	261.773	234.386	914.129	279.346
22.03.2016	135.34	124.1	226.32	126.37	347.86	98.37	367.94	431.73	200.53	307.67	220.48	172.55	198.33	191.01	105.33	65.32	172.4	220.782	332.36	198.878	260.837	234.541	909.308	282.802
21.03.2016	137	125.07	229.08	123.46	347.69	98.03	370.67	430.14	200.07	306.93	216.62	172.46	198.65	188.7	103.53	64.96	170.83	221.083	334.699	199.668	263.178	234.731	911.766	283.28
20.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.03.2016	138.73	125.92	232.51	126.04	346.31	96.33	366.46	433.53	197.6	306.24	212.37	171.16	195.28	193.43	108.16	64.5	169.98	220.907	334.929	198.964	264.452	235.563	916.204	286.873
17.03.2016	140.76	126.67	232.36	124.4	348.17	98.35	369.46	437.26	202.98	310.54	212.63	170.98	194.64	193.2	109.35	65.09	170.03	224.766	333.707	199.317	263.455	232.976	916.745	288.406
16.03.2016	140.84	125.01	226.7	121.12	338.84	98.28	360.68	425.07	196.26	294.77	205.72	174.03	185.15	193.08	106.31	63.1	169.41	222.46	330.688	200.674	259.689	232.72	919.879	281.576
15.03.2016	140.31	126.05	227.67	117.97	339.7	98.15	362.15	425.48	195.25	295.58	203.72	176.43	184.36	192.05	105.76	60.58	168.94	220.278	331.838	200.582	260.232	232.096	917.72	276.094
14.03.2016	138.65	127.96	229.75	119.38	339.46	98.23	372.3	430.39	196.49	300.62	205.05	176.99	188.89	191.41	104.08	61.68	169.65	222.661	333.236	203.099	263.753	233.145	925.632	281.206
13.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.03.2016	138.48	129.62	228.34	118.07	341.07	96.31	375.65	435.32	201.58	302.25	201.2	175.88	190.99	191.53	104.13	63.3	169.65	216.326	332.892	202.577	262.331	230.909	918.196	281.773
10.03.2016	139.39	129.5	228.34	114.64	335.5	95.77	368.68	439.83	199.84	301.16	197.07	176.34	187.04	186.18	101.36	62.23	168.42	212.564	325.623	195.392	256.456	224.82	892.222	274.651
09.03.2016	139.59	131.33	225.35	114.83	338.6	95.37	374.27	434.41	202.86	297.62	194.55	173.11	190.3	180.68	98.34	63.09	167.76	216.921	324.935	197.762	257.828	227.144	904.941	284.523
08.03.2016	141.74	130.27	221.48	114.22	334.04	95.82	369.13	436.25	195.96	298.08	197.61	172	186.32	171.68	95.07	60.48	167.52	215.237	318.668	196.977	257.451	227.306	904.224	281.115
07.03.2016	142.49	132.88	224.46	113.47	343.11	96.7	379.71	436.54	214.17	302.79	194.95	171.07	191.63	166.64	92.97	61.65	167	218.734	318.563	197.633	259.804	228.48	909.481	287.199
06.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.03.2016	144.63	132.01	224.31	113.61	345.13	96.24	378.94	438.78	213.14	303.97	197.21	170.33	196.61	163.23	90.59	58.16	166.38	221.967	322.211	198.937	260.984	229.277	916.935	286.961
03.03.2016	143.63	131.14	220.13	110.61	333.27	95.06	373.31	434.46	205.34	293.36	197.34	169.96	195.17	162.19	89.12	56.07	163.59	219.237	322.316	199.38	260.411	226.953	913.441	284.211
02.03.2016	144.52	132.11	219.84	108.45	328.78	94.25	369.05	428.8	199.05	290.95	195.08	166.45	192.15	161.5	91.25	56.06	163.16	218.669	321.102	200.017	261.5	226.457	920.117	281.404
01.03.2016	145.24	130.83	218.72	107.7	323.77	94.56	360.58	425	198.03	285.8	191.36	164.88	188.89	162.31	94.73	55.64	162.5	219.357	321.734	199.845	261.968	226.225	920.861	276.827
29.02.2016	145.31	130.91	220.36	107.98	322.32	95.21	355.61	426.24	194.36	288.94	190.96	167.56	186.72	161.33	93.04	55.19	163.07	215.211	319.044	195.465	259.697	223.193	904.951	275.635
28.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.02.2016	145.3	129.91	215.36	108.12	323.09	96.95	354.24	421.41	193.76	284.99	186.17	167.19	186.13	163.34	97.39	53.82	163.54	212.031	316.852	193.624	259.269	221.801	895.948	271.731
25.02.2016	145.67	129.7	219.76	109.01	315.87	97.34	342.06	427.76	190.37	294.38	188.83	167.84	183.19	163.98	97.06	53.94	163.92	210.56	315.203	194.197	258.696	219.481	891.832	262.343
24.02.2016	144.41	130.56	218.42	109.81	318.63	96.75	342.62	427.87	194.47	296.96	184.57	166.82	185.82	164.78	99.73	52.79	165.2	207.729	309.67	187.152	253.28	214.515	867.408	257.301
23.02.2016	143.62	128.98	215.44	111.92	318.77	97.74	346.47	422.17	196.55	295.95	184.84	168.48	184.09	161.27	99.46	51.69	165.34	213.46	316.512	192.204	259.853	219.638	890.084	264.977
22.02.2016	142.53	131.16	214.69	113.19	322.21	98.9	350.28	417.85	200.25	294.81	169.68	171.53	188.76	159.65	101.25	53.83	167.47	219.555	323.364	195.412	265.801	221.522	901.6	272.52
21.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.02.2016	141.95	129.08	213.05	109.39	317.12	100.34	350.58	425	195.85	298.35	168.48	172.55	184.78	158.85	101.52	51.49	166.81	216.068	316.962	190.472	260.242	216.957	885.826	263.928
18.02.2016	142.46	126.19	217.6	108.96	313.87	100.61	349.26	423.45	190.6	299.46	170.88	173.2	179.75	163.17	104.79	53.4	167.19	216.17	318.885	193.621	262.314	220.185	898.369	267.323
17.02.2016	141.58	126.15	214.77	109.43	314.78	100.35	351.5	418.3	191.82	298.31	174.87	175.42	174.18	164.03	109.35	53.66	167.66	213.552	316.996	191.87	257.785	220.088	889.916	270.594
16.02.2016	140.25	126.38	211.33	109.81	312.58	100.67	363.06	417.2	190.38	297.46	175.53	173.38	175.77	161.73	107.07	50.55	167.14	204.367	315.272	187.17	257.78	215.827	863.685	261.301
15.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	205.717	316.939	188.412	259.916	215.318	868.232	260.804
14.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.02.2016	136.91	124.35	214.32	110.28	308.71	98.82	375.75	427.97	178.46	306.26	174.47	170.98	180.7	162.25	110.39	52.24	166	197.694	309.264	182.443	251.509	207.906	849.654	256.281
11.02.2016	137.32	123.06	208.8	107.93	304.99	98.94	371.99	430.87	173.31	306.28	173.14	171.35	180.81	160.12	112.07	47.47	166.24	191.817	304.407	179.444	245.619	203.351	827.481	239.77
10.02.2016	139.54	122.56	212.39	109.27	304.97	99.7	366.43	412.5	179.79	296.3	177.39	171.63	180.99	157.58	114.08	47.79	164.02	198.825	314.288	186.993	254.47	210.431	849.623	249.262
09.02.2016	138.6	122.57	212.54	108.88	309.42	99.43	367.38	413.88	184.54	299.5	177.74	170.07	178.37	160.52	115.75	47.17	163.95	191.678	313.732	183.439	254.285	207.319	842.338	249.86
08.02.2016	138.85	124.2	213.48	109.46	316.32	100.95	370.5	413.64	187.36	298.97	178.32	170.17	182.38	160.75	117.43	49.93	163.66	193.321	317.765	186.188	258.344	210.732	842.605	259.575
07.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.02.2016	142.2	123.95	206.85	113.37	317.66	101.27	359.7	399.76	186.08	286.33	176.12	172.83	177.48	162.07	112.99	50.95	164.44	201.848	325.217	193.905	265.219	219.704	878.141	265.584
04.02.2016	143.74	127.09	206.11	115.63	321.67	101.5	366.62	399.69	194.85	287.62	171.41	174.77	181.68	161.96	107.23	51.48	165.63	201.894	330.313	196.416	268.568	219.479	897.488	266.088
03.02.2016	144.06	126.3	211.56	114.08	318.05	104.38	364.89	394.1	194.29	285.38	171.41	177.45	179.61	160.63	110.82	51.91	166.05	207.948	330.587	197.031	269.118	218.761	909.882	256.383
02.02.2016	143.18	124.37	205.89	112.48	312.19	104.99	357.13	389.23	191.54	276.76	172.74	175.69	177.31	159.31	110.11	48.69	167.85	211.573	336.891	200.925	273.111	221.984	933.821	256.1
01.02.2016	142.88	126.09	213.87	110.51	312.99	104.13	352.21	389.5	192.91	277.8	170.61	175.69	174.55	163	117.02	51.11	166.81	208.723	341.678	202.9	277.384	225.93	949.16	269.931
31.01.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

11.12.2015	134.58	123.24	250.04	113.75	322.66	107.36	350.43	371.44	198.45	268.91	193.88	181.33	164.05	139.6	111.47	59.25	165.48	232.415	345.524	203.589	270.378	232.536	943.88	272.453
10.12.2015	134.98	123.91	249.59	118.58	314.84	107.47	346.51	370.17	194.52	273.29	193.48	183.18	161.81	136.54	112.18	61.16	166.79	239.345	351.597	206.962	274.297	236.944	963.403	283.538
09.12.2015	132.57	123.78	251.38	119.01	314.22	109.22	345.16	371.72	198.04	274.82	200.66	181.05	161.85	136.6	113.92	61.1	166.39	237.683	351.494	208.246	273.823	236.898	970.964	283.821
08.12.2015	135.7	122.58	247.28	117.5	314.75	108.59	344.59	371.31	198.34	273.41	199.47	178	161.61	134.58	113.8	61.115	166.28	241.615	348.894	210.235	271.72	237.618	972.417	279.67
07.12.2015	136.17	123.34	254.81	118.3	312.56	108.81	342.44	371.27	199.8	277.59	203.46	178.47	161.39	132.62	113.1	61.39	167.23	250.937	355.347	213.858	277.197	241.982	987.475	283.171
06.12.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.12.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.12.2015	138.52	125.84	252.8	119.15	316.39	109.05	342.36	374.34	204.8	281.39	205.85	179.11	163.47	136.25	118.87	64.54	171.59	249.304	354.27	212.699	276.338	240.605	972.238	292.521
03.12.2015	138.76	122.64	252.5	117.17	312.75	107.77	335.16	366.44	201.82	272.65	207.18	176.99	160.39	135.62	118.6	65.86	169.98	253.388	354.521	214.272	278.188	241.09	985.782	298.545
02.12.2015	140.87	123.72	248.55	113.05	313.2	107.01	335.72	363.88	204.79	271.33	203.99	172.74	163.47	136.37	117.73	64.28	168.99	261.442	360.716	221.101	285.913	246.633	1023.247	311.846
01.12.2015	144.08	122.35	248.84	112.53	318.08	107.08	334.86	367.23	204.8	272.77	205.32	174.31	166.28	137.81	121.32	67.14	168.42	261.86	360.135	222.153	287.549	248.95	1023.688	312.013
30.11.2015	141.79	120.46	248.99	112.29	315.03	105.56	334.65	367.85	202.99	272.83	198.54	175.79	165.08	130.95	121.53	67.08	166.86	262.939	359.89	224.594	286.09	251.093	1033.885	313.022
29.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.11.2015	143.59	121.48	246.83	116	314.24	107.74	328.36	364.71	200.18	272.09	199.07	177.08	163.71	132.97	120.28	67.44	165.34	259.564	361.542	225.462	286.654	248.587	1035.72	312.57
26.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258.626	361.439	224.63	287.076	248.357	1033.351	315.697
25.11.2015	142.79	121.65	246.38	117.83	312.44	106.64	327.65	369.37	203.24	274.55	198.27	180.22	166.91	133.89	125.01	69.38	165.77	255.402	358.474	221.251	284.268	245.654	1023.603	311.053
24.11.2015	142.19	120.46	248.92	116.85	316.59	104.38	325.93	370.61	200.06	274.8	199.47	180.59	167.23	132.56	126.37	69.36	163.59	254.065	353.951	219.042	280.858	243.627	1004.862	309.226
23.11.2015	143.83	119.63	246.53	114.92	308.54	103.81	319.43	368.3	189.32	272.34	204.92	184.01	163.52	134.35	127.41	67.57	163.68	258.827	359.137	222.009	284.555	246.553	1022.669	307.475
22.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.11.2015	141.62	120.56	251.16	116.75	314.66	105.88	323.19	371.65	199.17	273.6	203.46	181.15	165.64	134.47	124.58	67.36	162.41	257.742	361.69	223.893	287.604	247.194	1025.629	308.862
19.11.2015	141.48	122.23	251.83	114.69	318.07	106.37	321.36	372.27	204.19	276.06	198.8	181.98	161.98	130.78	131.16	67.07	162.88	257.137	360.776	224.365	286.367	247.168	1019.89	312.807
18.11.2015	142.66	122.64	249.14	108.63	316.68	106.07	322.17	369.1	204.86	273.39	192.42	179.3	160.29	129.74	135.67	67.11	162.45	258.154	359.054	223.86	282.846	246.349	1025.05	311.103
17.11.2015	139.99	122.81	251.38	110.98	321.56	105.61	323.03	369.13	207.75	275.05	196.54	180.04	163.52	129.97	137.41	66.57	163.64	257.285	362.314	228.136	283.685	246.622	1029.166	307.826
16.11.2015	138.99	122.23	251.83	110.93	321.84	105.51	323.19	374.34	212.43	276.04	201.86	183.18	167.71	124.61	138.88	67.71	162.78	251.838	355.755	221.457	277.372	241.542	1001.445	297.227
15.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.11.2015	142.31	124.39	250.78	108.68	331.11	104.47	326.18	373.45	215.12	275.61	200	184.01	171.55	131.53	137.36	67.3	161.98	249.604	353.866	220.292	276.024	240.941	995.885	294.709
12.11.2015	144.96	124.43	248.17	111.45	331.04	104.75	327.35	373.45	214.82	276.2	199.07	184.94	170.86	134.29	132.95	68.63	163.45	252.404	353.317	220.835	277.526	241.789	997.888	297.247
11.11.2015	142.4	126.49	246.96	112.14	339.27	104.96	327.92	374.79	220.48	276.87	195.35	183.72	171.65	131.17	131.28	70.34	163.02	256.84	356.32	223.256	279.504	244.64	1016.099	307.79
10.11.2015	139.07	125.48	244.19	111.07	338.11	104.43	330.63	376.05	216.88	278.59	195.61	182.48	169.65	125.67	131.51	72.09	162.03	251.662	360.325	220.22	279.857	246.15	1005.577	310.028
09.11.2015	142.45	125.59	239.51	111.86	340.7	104.46	335.69	375.86	218.56	279.54	186.04	186.04	173.35	126.4	128.31	71.52	164.06	251.273	357.422	216.84	279.007	246.302	980.698	309.755
08.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.11.2015	145.77	126.22	241.52	111.15	342.31	103.94	336.13	375.66	219.67	284.73	192.29	193.6	174.89	128.32	130.68	71.72	164.25	253.224	363.274	220.005	283.361	250.857	992.747	312.004
05.11.2015	144.98	124.76	243.33	113.47	344.15	104.4	334.91	381.28	223.5	290.2	196.28	194.55	175	127.72	128.55	72.34	163.64	249.311	365.401	220.335	287.725	247.738	989.334	312.799
04.11.2015	148.21	124.01	241.24	113.09	352.69	104.38	339.88	381.98	224.95	291.65	194.68	194.55	176.94	132.28	123	73.63	167.42	251.097	368.293	221.335	288.187	247.975	1000.458	320.515
03.11.2015	151.53	123.68	245.86	112.86	352.21	105.44	341.1	384.7	225.87	295.16	205.98	190.94	178.26	134.24	122.51	76.24	166.48	250.255	366.325	220.412	285.412	247.68	995.881	319.006
02.11.2015	152.98	122.97	245.71	111.5	352.11	106.66	343.48	392.23	231.02	298.43	200.93	187.8	177.25	134.24	122.68	73.53	166.43	247.406	366.087	219.782	285.607	248.249	994.841	307.595
01.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.10.2015	153.03	121.75	243.03	113.51	351.29	106.71	342.82	394.13	229.63	301.51	193.09	192.98	180.36	136.48	126.21	74.21	167.76	244.897	363.952	219.308	283.352	248.097	993.564	305.476
29.10.2015	154.14	121.11	239.75	112.9	352.47	105.02	346.47	396.17	236.86	301.18	193.62	190.39	179.9	138.04	122.73	73.29	166.71	243.269	361.849	219.444	282.118	248.243	997.916	307.464
28.10.2015	154.92	122.12	240.04	111.78	357.46	105.61	353.12	406.11	241.93	315.57	194.81	187.06	183.51	141.56	124.96	73.32	167.19	240.133	364.978	216.901	284.304	249.757	997.696	307.658
27.10.2015	151.6	121.4	238.4	110.09	358.66	105.06	354.34	402.56	241.34	307.24	191.76	188.26	183.64	141.21	128.38	69.61	168.75	240.461	361.881	214.392	282.234	246.969	992.128	302.598
26.10.2015	153.27	121.62	236.69	110.09	356.67	104.7	355.71	402.69	238.71	308.06	194.68	188.17	183.7	144.9	127.95	70.64	167.52	244.343	366.549	217.054	286.977	250.386	1004.616	309.345
25.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.10.2015	154.85	123.08	233.03	111.17	355.42	105.76	355.25	401.52	240.09	306.55	189.89	181.33	185.37	146.63	135.56	71.47	169.7	242.251	366.74	216.507	287.104	249.997	1004.741	313.499
22.10.2015	155.28	122.52	234.15	112.48	359.38	105.36	356.57	402.66	238.23	306.74	194.15	181.42	184.84	153.2	140.46	72.13	170.64	239.606	363.512	210.909	283.223	248.155	981.049	314.512
21.10.2015	154.53	124.55	234.6	113.56	355.31	108.24	352	403	234.61	304.28	188.56	182.9	182.42	154.52	141.54	71.75	172.25	234.81	358.162	201.684	278.539	245.819	942.301	309.686
20.10.2015	154.5	127.03	238.78	117.08	356.94	107.48	360.73	406.6	237.37	308.29	186.97	181.61	186.53	156.43	145.24	72.88	170.64	232.381	358.355	202.727	278.62	243.759	942.392	306.971
19.10.2015	153.06	127.46	236.32	116.28	357.25	106.57	362.86	404.97	236.95	306.82	189.63	179.57	189.5	152.1	144.48	72.81	169.6	229.883	357.57	203.043	276.855	243.493	935.761	309.275
18.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.10.2015	150.83	129.54	232.59	118.11	362.87	107.6	367.33	408.53	241.75	312.11	189.76	181.98	190.35	151.18	144.1	75.23	170.83	228.39	357.041	201.913	276.75	243.691	930.373	313.194
15.10.2015	147.8	129.62	231.47	125.48	364.38	106.91	363.93	410.05	241.18	313.07	187.9	185.77	193.11	154.06	146.06	74.08	172.16	228.567	355.536	199.863	274.236	243.209	919.77	309.214
14.10.2015	148.81	131.24	231.84	126.37	363.87	107.45	363.57	407.39	239.26	312.16	187.37	187.89	192.1	154.06	148.56	74.38	173.15	223.89	351.543	196.144	271.758	241.736	904.947	305.735
13.10.2015	148.63	131.33	233.03	126.09	362.02	107.62	360.22	402.42	239.17	308.1	183.91	191.87	192.58	155.79	147.96	74.41	173.91	224.145	351.589	200.6	268.962	241.818	923.444	306.345
12.10.2015	149.12	131.15	229.23	126.23	364.92	103.96	366.76	402.11	243.12	307.26	189.36	187.34	194.96	153.31	147.29	75.33	168.84	225.774	353.301	203.456	273.757	245.222	933.893	309.774
11.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.10.2015	148.84	132.66	227.37	123.51	363.7	103.83	360.85	399.14	239.68	306.37	190.69	188.26	194.24	152.45	143.1	78.86	168.3	221.354	355.083	203.707	272.574	246.961	937.831	312.98
08.10.2015	149.19	128.12	228.19	120.55	352.61	104.01	338.72	395.13	232.15	305.36	186.3	189.09	175.89	152.51	140.49	78.81	167.28	217.635	352.905	201.761	273.619	243.96	937.107	312.846
07.10.2015	147.57	129.42	229.6	118.3	356.17	104.57	338.74	396.65	231.99	311.72	185.9	191.04	178.76	152.1	136.73	76.72	168.9	217.715	352.191	202.768	272.225	242.486	940.607	312.448
06.10.2015	144.62	127.44	230.57	120.23	356.15	104.62	329.27	395.86	227.13	309.59	181.25	194.55	174.84	153.83	134.31	77.68	168.18	216.546	351.902	202.856	269.147	241.857	950.763	303.909
05.10.2015	141.3	128.46	230.57	119.71	355.57	104.26	328.77	392.82	226.92	304.24	181.38	190.57	175.95	149.22	133.22	74.3	167.47	213.692	349.554	200.806	268.599	240.667	946.422	295.312
04.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.10.2015	142.48	128	230.8	116.66	350.27	101.35	332.42	392.47	228.84	295.62	179.92	189.74	178.15	150.72	133.28	72.63	165.58	204.944	343.716	193.157	262.784	235.807	915.926	281.502
01.10.2015	140.92	128.69	231.54	113.33	350.02	102.12	333.84	384.56	229.32	281.06	176.33	191.59	178.53	148.76	132.3	72.25	166.15	203.155	338.861	194.048	258.651	234.816	916.575	276.499
30.09.2015	141.83	129.85	232.21	113.89	354.65	101.85	338.76	385.08	237.39	281.19	171.28	189.56	178.66	153.83	137.25	72.82	168.94	203.261	341.901	197.943	262.097	235.451	945.205	272.286
29.09.2015	145.34	128.79	237.29	113.42	341.5	102.8	335.72	389.09	225.39	282.26	165.69	186.23	175.19	154.58	140.62	72.74	167.47	198.865	333.385	195.161	254.781	231.128	924.429	266.481
28.09.2015	148.65	127.73	241.76	111.83	341.1	102.38	335.77	390.78	225.43	281.58	164.63	186.88	172.35	151.58	145.19	71.49	166.05	200.742	334.338	197.861	254.246	230.595	938.714	263.785
27.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.09.2015	148.54	129.25	244.3	115.16	345.05	102.19	337.29	395.58	227.13	292.68	165.03	187.71	172.72	151.64	143.07	73.46	168.42	206.687	338.486	202.153	257.712	233.151	969.155	272.289
24.09.2015	145.22	130.25	245.56	111.03	346.9	101.63	343.94	398.41	226.05	293.05	157.71	183.83	177.49	151.76	145.41	72.61	164.39	201.166	329.482	195.507	251.218	228.148	939.094	266.568
23.09.2015	147.11	130.16	247.2	109.06	347.31	101.06	344.39	390.71	222.61	286.44	153.59	187.62	174.71	148.07	143.45	72.29	163.59	205.612	334.481	198.987	254.332	232.341	961.902	274.263
22.09.2015	150.43	131.3	246.98	108.35	348.73	101.11	341.5	388.4	221.14	285.8	153.86	183.18	172.3	149.28	143.5	74.18	163.21	202.912	333.257	199.009	253.605	232.644	956.517	271.885
21.09.2015	151.49	133.78	246.91	110.04	361.74	102.44	345.97	391.16	225.11	294.81	155.19	183.64	175.34	149.8	143.66	74.45	165.58	210.758	342.137	204.655	259.836	237.415	981.651	280.822
20.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.09.2015	150.05	134.55	246.91	111.07	360.92	102.04	343.38	392.89	220.84	293.69	155.59	179.94	178.79	147.9	145.51	72.19	164.25	207.875	339	203.479	258.569	235.107	969.899	279.398
17.09.2015	151.22	135.04	244.74	111.26	370.14	105.16	348.96	385.7	228.15	290.22	162.5	178	182.74	148.36	148.34	74.73	167.52	212.586	345.022	206.667	263.062	238.656	975.715	288.972
16.09.2015	151.44	134.46	243.62	110.84	369.15	105.68	351.34	386.39	231.24	288.3	163.96	180.5	185.34	143.11	148.94	75.49	168.04	213.472	344.655	207.373	260.419	237.68	979.939	290.271
15.09.2015	154.46	133.32	241.46	111.4	366.95	105.36	341.96	380.73	230.46	277.47	163.7	182.9	183.93	147.2	152.26	72.21	168.37	217.252	339.655	204.364	257.755	237.232	971.516	282.659
14.09.2015	155.62	133.96	245.04	112.81	364.35	105.41	339.42	382.49	226.46	278.19	164.63	185.3	185.55	143.52	153.78	71.72	167.47	217.34	338.567	203.16	258.981	235.872	975.235	277.608
13.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.09.2015	154.6	135.76	242.65	109.39	368.65	106.39	345.82	380.97	235.13	280.94	163.46	179.3	192.08	146.59	149.66	73.36	165.58	219.868	339.467	204.479	260.388	236.752	980.106	278.086
10.09.2015	156.88	135.69	244.3	109.24	370.65	106.25	350.48	383.05	238.5	283.65	158.16	176.71	192.12	151.12	148.37	74.68	165.53	224.893	341.792	209.839	264.798	238.56	998.504	281.045
09.09.2015	156.79	135.16	243.85	113.66	368.52	106.03	347.71	380.52	230.51	282.32	157.1	174.58	192.55	153.95	146	72.49	165.2	226.456	346.803	214.457	270.413	240.568	1010.166	286.563
08.09.2015	156.66	135.4	240.12	113.56	367.46	106.64	342.34	387.09	228.25	285.78	149.84	175.6	192.05	156.17	148.25	74.9	166.52	224.416	342.986	211.64	268.1	238.621	999.262	283.397
07.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220.311	339.058	209.301	263.492	237.792	985.46	279.098
06.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.09.2015	153.49	133.78	236.24	111.83	351.65	105.53	336.58	387.22	227.11	281.79	149.87	172.92	189.08	159.42	144.37	74.99	164.11	218.705	337.669	207.429	261.125	238.621	974.83	279.08
03.09.2015	154.73	135.71	232.21	112.2	360.47	105.76	347.49	388.29	228.27	284.85	150.8	172	191.68	160.12	148.18	76.3	164.68	224.702	344.239	211.481	268.431	242.173	994.488	290.475
02.09.2015	154.25	133.32	232.44	111.07	351.8	105.31	346.63	391.44	225.21	284.08	142.69	177.08	192.55	160.86	143.99	75.33	165.53	217.666	339.651	207.075	264.25	238.303	963.753	281.969
01.09.2015	154.22	133.73	234.23	113.37	348.22	105.66	350.63	393.58	222.71	283.17	142.42	179.76	191.83	156.71	146.93	74.3	165.53	216.088	339.641	207.353	264.408	237.112	950.5	283.612
31.08.2015	156.27	134.17	231.1	116.66	352.62	106.17	351.4	391.06	229.66	282.51	142.15	179.3	191.94	156.83	146.22	79.92	168.09	223.363	346.403	214.518	270.831	241.646	980.696	291.738
30.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.08.2015	157.11	134.17	232.07	116.42	352.62	106.17	351.4	391.57	229.66	281.79	145.88	178.84	191.94	153.14	147.63	74.37	167.71	225.568	347.482	215.209	272.656	242.415	979.1	292.517
27.08.2015	155.57	130.33	231.84	116.89	353.58	106.76	340.44	387.64	229.66	279.62	147.07	181.05	186.11	154.58	144.86	70.28	166.48	223.733	346.214	215.005	270.721	242.245	977.324	285.53
26.08.2015	153.23	127.81	231.02	114.69	339.49	105.34	334.5	388.33	218.4	272.67	140.03	182.72	179.11	154.47	146.98	64.38	163.83	215.17	336.406	209.239	262.047	237.769	938.485	269.494
25.08.2015	154.62	130	231.77	113.14	348.51	106.44	341.25	393.06	219.31	283.77	140.96	184.66	184.17	155.62	146.55	65.28	166.24	216.266	341.456	212.167	268.466	239.187	953.269	277.974
24.08.2015	155.09	126.76	230.28	114.22	340.18	107.94	336.94	398.34	217.09	286.62	138.16	187.8	180.75	151.76	144.43	64.31	165.53	208.53	328.59	202.131	257.389	231.749	912.411	268.371
23.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.08.2015	157.06	129.06	229.23	118.68	346.98	112.76	345.56	400.41	232.84	297.27	138.83	186.32	187.12	144.84	146.66	67.86	168.47	222.764	348.252	214.664	275.855	241.165	971.187	292.357
20.08.2015	159.9	131.3	233.78	124.31	351.32	112.79	348.15	398.2	237.52	301.41	141.22	189	192.39	149.28	151.44	69.47	171.83	229.766	357.223	220.33	286.194	248.074	1003.881	304.23
19.08.2015	158.81	129.7	232.36	126.51	342.68	112.12	343.23	389.47	237.82	294.83	140.82	184.84	189.05	152.16	149.37	69.92	169.22	235.951	362.259	225.315	290.022	253.354	1030.231	306.997
18.08.2015	161.27	129.5	229.98	130.5	345.35	112.29	342.92	385.67	236.46	287.31	142.69	184.38	186.69	152.45	148.99	72.46	171.26	240.857	366.142	228.53	294.01	256.689	1054.028	313.924
17.08.2015	161.53	130.37	227.89	130.03	350.63	112.1	350.33	386.19	242.53	297.27	141.36	186.51	192.1	152.8	150.46	72.11	173.67	241.153	366.361	227.844	294.053	257.042	1048.633	316.816
16.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

26.06.2015	163.59	140.55	247.73	125.25	394.34	113.77	359.77	405.11	284	305.4	158.91	209.98	214.77	167.9	150.63	95.09	186.74	242.468	371.478	232.156	298.155	256.632	1056.357	341.09
25.06.2015	163.86	142.19	243.7	126.79	395.23	110.18	362.35	404.63	289.75	306.82	157.85	198.89	215.35	166.34	155.85	94.98	185.18	241.559	369.205	230.631	298.638	256.585	1062.115	342.685
24.06.2015	166.04	141.63	244.74	126.79	393.2	108.85	361.34	405.01	291.4	307.77	159.84	193.44	216.2	166.8	151.28	95.87	181.06	238.246	369.052	229.998	301.559	256.828	1061.322	343.545
23.06.2015	167.64	142.36	242.43	121.73	396.01	108.78	363.22	406.28	293.49	305.48	156.52	194.82	217.34	166.57	149.32	97.07	181.96	239.727	370.405	232.574	302.047	257.246	1066.882	339.912
22.06.2015	167.76	141.07	244.67	124.35	387.38	109.2	356.72	408.87	283.18	313.33	158.78	187.06	214.98	166.86	150.19	95.57	181.68	237.103	369.198	229.987	300.389	254.838	1048.942	336.776
21.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.06.2015	166.34	139.8	243.1	122.1	387.78	107.68	361.34	415.02	290.12	312.73	153.59	182.07	216.46	170.2	154.43	95.24	177.98	231.42	361.904	221.752	294.468	249.848	1021.921	331.644
18.06.2015	164.94	140.67	245.34	123.84	394.38	109.07	365.96	415.06	290.33	313.62	155.45	182.35	218.74	175.22	152.2	97.06	178.46	230.062	360.414	219.983	294.237	249.662	1017.342	330.815
17.06.2015	166.48	140.98	240.27	121.45	393.69	108.73	364.84	406.35	291.05	309.61	156.52	183.73	219.86	176.08	156.77	96.48	177.98	227.303	357.888	218.111	292.183	248.572	1010.326	332.456
16.06.2015	167.03	141.09	241.24	123.89	393.79	109.49	363.77	407.77	290.45	309.97	155.32	182.81	221.34	174.18	158.67	96.32	175.66	230.812	358.663	218.038	292.242	250.41	1012.702	330.087
15.06.2015	166.81	141.94	238.48	122.29	398.15	107.23	369.05	409.46	295.61	312.34	157.31	183.09	222.69	174.01	158.35	95.93	171.26	227.103	357.52	219	289.782	249.043	1002.169	329.714
14.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.06.2015	166.46	144	234.53	126.14	405.04	108.97	377.17	407.18	299.66	307.38	160.51	188.72	224.63	176.89	150.95	96.8	171.26	231.569	362.734	222.232	293.889	252.739	1020.293	332.273
11.06.2015	168.76	144.95	231.47	126.18	402.85	108.49	377.83	407.6	303.67	309.96	160.11	189.09	224.23	181.04	155.25	98.14	172.11	234.855	365.773	221.901	296.575	255.717	1025.859	338.401
10.06.2015	169.38	145.55	233.68	129.64	413.31	110.57	389.46	409.74	310.47	309.78	163.11	192.13	226	183	158.51	98.95	175.63	233.608	363.423	219.806	295.852	257.61	1037.819	336.55
09.06.2015	168.46	144.54	231.83	130.15	408.77	109.61	390.71	406.63	308	309.56	163.3	198.21	228.52	183.58	155.8	97.13	177.2	229.569	357.993	215.754	290.803	252.615	1020.204	329.894
08.06.2015	167.11	144.22	232.41	128.98	407.51	109.57	386.33	405.25	306.67	309.44	163.78	196.08	226.13	186.39	147.79	93.86	177.02	227.844	359.825	216.619	293.087	253.965	1034.178	331.182
07.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.06.2015	166.06	144.16	232.32	127.23	406.69	108.05	384.7	403.35	300.57	309.75	161.22	191.46	225.16	186.89	141.17	94.82	176.71	232.679	362.958	219.522	295.772	256.698	1035.107	335.717
04.06.2015	166.94	143.37	232.29	127.36	405.16	109.74	389.85	405.8	295.32	311.89	161.17	193.62	226.38	185.82	142.79	93.08	179.26	234.824	366.881	221.719	298.648	258.771	1051.844	333.922
03.06.2015	166.1	144.16	233.03	126.04	411.72	109.94	395.18	409.15	296.45	319.19	160.24	188.82	229.64	190.14	143.23	95.8	177.13	239.388	372.964	222.717	306.564	261.698	1053.72	340.482
02.06.2015	167.54	143.12	232.07	124.54	413.75	107.18	390.06	412.43	297.66	325.37	163.83	189.46	228.15	193.2	146.71	98.13	178.17	240.29	374.968	222.785	307.541	261.555	1064.531	342.548
01.06.2015	167.71	144.89	227.67	121.82	412.72	107.43	390.72	410.46	296.21	323.07	162.9	182.53	227.86	194.47	144.05	96.82	175.38	243.029	377.086	223.204	311.34	263.018	1073.693	343.162
31.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.05.2015	166.83	143.08	230.05	118.4	412.08	108.44	394.62	410.84	287.84	323.47	159.31	176.34	231.44	192.39	143.66	97.4	176.89	243.647	377.204	222.85	311.905	262.653	1075.966	345.691
28.05.2015	168.43	146.26	232.51	117.46	417.66	108.41	402.94	410.5	292.18	322.85	158.78	180.68	235.92	195.1	147.15	93.21	175.38	248.261	380.186	225.899	316.314	265.509	1086.011	350.088
27.05.2015	166.77	143.04	233.71	116.85	416.73	106.25	394.62	409.7	292.53	322.43	157.85	180.31	231.36	192.1	154.81	92.77	175.57	250.431	380.554	227.71	317.379	267.781	1085.704	352.781
26.05.2015	165.81	144.31	234.9	116.42	418.51	106.69	391.93	410.15	289.12	324.35	160.64	182.44	230.36	190.89	154.92	94.42	174.72	248.346	374.084	225.246	311.346	264.446	1078.722	350.043
25.05.2015	165.8	145.78	235.12	119.15	422.39	106.67	394.42	416.06	290.04	330.25	163.7	190.48	230.54	193.03	158.73	96.98	175.05	250.263	376.418	226.424	315.984	265.469	1092.898	354.541
24.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.05.2015	165.8	145.78	235.12	119.15	422.39	106.67	394.42	416.06	290.04	330.25	163.7	190.48	230.54	193.03	158.73	96.98	175.05	252.183	383.272	227.84	317.698	266.307	1092.903	356.06
21.05.2015	165.82	146.24	235.87	120.55	428.69	107.4	399.8	416.13	296.66	331.82	166.09	192.98	231.81	193.31	162.81	98.59	177.75	251.461	383.814	229.432	317.319	267.084	1085.285	358.175
20.05.2015	164.62	147.24	233.03	127.64	426.5	108.11	391.48	417.75	299.28	331.45	167.42	189.65	232.82	192.16	160.9	96.1	178.27	251.425	383.456	229.634	316.333	266.665	1075.516	353.536
19.05.2015	165.47	147.74	234.53	131.25	426.36	108.44	392.29	417.02	298.74	330.64	171.01	188.63	235.95	189.45	162.64	94.76	179.21	246.601	380.529	228.234	313.651	267.078	1047.902	351.947
18.05.2015	164.89	150.48	234.15	134.35	437.37	109.4	398.27	424.24	313.81	343.44	169.95	192.88	241.78	190.72	166.45	97.97	180.78	238.791	373.98	224.74	308.301	265.004	1047.858	349.717
17.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.05.2015	165.82	153.3	233.63	129.75	439.87	112.64	400.61	423.45	319.05	340.17	171.41	188.91	242.89	193.49	166.94	98.59	180.54	239.01	373.09	223.717	309.31	264.633	1039.098	351.966
14.05.2015	167.05	154.63	230.28	129.05	439.01	112.12	399.04	423.41	314.49	338.27	170.74	190.11	244.96	195.16	166.56	98.84	181.25	237.128	373.406	225.193	309.791	264.72	1049.128	357.481
13.05.2015	165.58	155.88	227.89	127.08	439.32	110.84	409.84	420.99	320.68	333.55	172.34	178	247.88	196.54	162.26	99.46	181.3	235.597	370.74	225.633	308.048	261.9	1047.158	358.115
12.05.2015	164.85	156.84	226.47	127.17	441.8	109.57	416.28	412.02	327.55	320.08	180.59	177.63	250.11	195.9	159.62	99.33	180.97	227.26	368.302	224.646	310.866	263.731	1054.793	358.091
11.05.2015	164.39	155.37	224.16	126.09	436.59	110.2	407.04	408.7	325.89	315.98	179.26	177.82	244.55	193.6	153.9	96.66	184.47	233.775	371.803	227.587	314.653	268.884	1066.785	361.095
10.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.05.2015	165.75	156.13	219.61	126.37	438.09	111.49	412.97	410.68	326.33	318.9	178.46	178	250.16	194.73	157.65	96.95	184.9	236.651	370.784	226.901	312.803	266.661	1056.14	360.029
07.05.2015	164.11	155.57	218.42	123.6	439.01	110.43	420.82	408.29	322.66	315.65	172.34	174.77	252.56	192.43	149.22	96.71	184.66	230.004	358.039	221.155	299.972	264.086	1028.464	350.261
06.05.2015	165.1	158.81	217.67	121.96	438.28	110.99	422.83	411.02	318.77	319.7	171.14	177.17	251.86	193.78	150.95	99.56	186.08	228.009	356.667	220.834	298.278	264.265	1027.334	358.159
05.05.2015	166.39	163.69	219.46	125.43	444.41	112.49	438.46	412.02	326.28	321.11	169.55	172.46	256.15	190.78	151.17	99.18	186.51	230.58	356.983	221.141	298.691	266.479	1022.828	360.533
04.05.2015	165.61	158.41	214.39	124.73	439.32	112.35	430.14	409.81	313.71	318.44	166.36	174.77	249.36	188.65	153.4	97.21	184.9	237.118	365.734	226.003	304.988	270.182	1038.304	359.97
03.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.05.2015	163.91	158.41	214.54	125.95	439.32	112.25	430.14	405.56	313.71	312.51	171.68	175.23	249.36	187.32	150.95	97.32	182.72	234.548	364.342	223.684	303.468	268.443	1024.303	359.059
30.04.2015	164.34	159.76	219.46	129	435.21	114.39	430.34	408.29	318.42	312.86	175.27	175.23	249.89	187.72	149.59	97.73	184.85	235.516	365.001	224.001	305.256	268.533	1032.522	361.293
29.04.2015	165.44	156.11	219.31	130.46	421.7	113.06	425.27	417.82	306.4	323.49	174.87	178.74	244.59	187.2	141.71	96.27	187.12	236.046	367.132	223.445	310.205	267.08	1040.088	361.735
28.04.2015	165.54	155.42	218.05	130.03	419.75	111.88	423.24	419.16	306.9	322.1	175.8	176.06	244.17	184.21	137.96	94.4	185.09	244.069	374.607	227.275	319.063	271.722	1053.218	367.994
27.04.2015	164.67	152.33	217.9	128.63	415.94	111.61	427.6	415.47	309.3	318.4	177.93	174.95	244.38	183.05	136.7	94.49	184.28	258.091	375.201	229.971	320.239	274.729	1065.815	368.36
26.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.04.2015	165.84	151.12	215.14	133.41	413.23	111.8	419.99	405.73	301.21	303.7	175.4	180.59	238.49	183.17	139.64	94.85	183.85	256.026	375.092	230.037	318.379	272.026	1056.934	365.108
23.04.2015	163.5	147.34	208.95	132.8	407.13	110.3	412.48	412.4	289.89	307.4	173.27	185.3	235.95	180.58	139.7	94.93	185.61	252.587	369.291	228.657	313.013	270.618	1045.543	367.541
22.04.2015	160.18	149.83	207.46	134.82	404.87	106.03	416.49	409.84	289.21	306.72	167.42	184.47	237.43	175.1	144.32	92.2	184.04	257.071	368.791	227.891	313.488	272.679	1044.676	366.569
21.04.2015	160.84	150.71	206.94	133.93	407.47	106.15	414.51	415.44	289.28	310.83	164.63	184.94	234.2	178.9	142.47	92	184.99	262.145	371.167	227.255	315.328	275.937	1036.063	367.133
20.04.2015	159.79	150.21	207.31	132.57	410.32	106.83	410.35	412.19	292.12	308.52	168.48	184.2	230.96	174.12	140.18	93.82	185.51	259.147	371.172	226.257	315.038	272.426	1035.024	369.718
19.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.04.2015	163.13	150.58	211.86	132.71	415.94	106.66	412.99	415.44	286.57	315.18	175.27	180.87	234.76	175.85	145.68	93.53	184	256.206	370.252	224.536	313.559	270.378	1020.754	366.415
16.04.2015	166.44	150.98	214.32	132.8	415.94	108.83	416.03	413.67	293.17	316.27	176.99	181.42	236.48	176.08	148.23	94.31	183.52	260.153	374.546	227.693	317.099	275.742	1038.433	369.102
15.04.2015	166.09	150.15	210.44	128.91	408.6	109.54	406.24	414.81	289.4	316.15	171.81	180.78	233.4	174.01	144.05	93.43	183.29	260.401	378.086	229.63	317.412	276.823	1047.952	368.726
14.04.2015	164.76	148.17	212.3	128.25	407.95	109.57	402.08	411.81	287.39	313.85	173.4	183.55	232.5	180.92	139.86	88.96	182.58	258.984	376.643	228.672	315.778	275.698	1048.522	361.582
13.04.2015	163.24	146.07	208.9	127.37	411.14	110.2	404.32	414.12	282.98	316.22	171.3	185.08	234.06	181.61	138.15	87.24	180.29	258.895	378.735	228.83	316.447	278.664	1051.384	360.855
12.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.04.2015	163.01	145.95	207.47	128.34	414.62	109.98	406.11	415.95	287.96	317.81	170.21	194.08	234.21	180.17	138.07	86.59	180.72	258.953	374.828	225.385	315.281	280.324	1046.308	358.18
09.04.2015	166	145.64	208.11	130.01	411.64	111.53	398.67	412.15	285.64	313.65	169.95	191.59	230.86	177.06	138.53	84.51	180.95	258.295	374.263	225.481	314.082	278.324	1035.024	354.198
08.04.2015	165.82	146.33	209.23	127.93	412.71	112.36	390.45	415.44	286.7	318.86	172.26	194.36	228.74	177.75	142.93	83.29	184.19	253.387	370.057	222.965	310.565	275.942	1030.262	350.102
07.04.2015	166.77	147.53	207.68	133.22	416.63	111.93	386.5	418.02	286.06	326.17	169.81	194.45	228.15	176.02	145.73	88	183.9	251.167	372.058	223.826	310.811	275.491	1034.929	348.543
06.04.2015	166.51	147.57	208.8	137.21	410.94	110.11	381.58	420.79	297.02	331.4	166.76	195.1	225.53	176.6	144.1	86.21	185.32	NA	NA	NA	NA	NA	NA	NA	NA
05.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.04.2015	168.06	147.57	206.41	132.24	410.94	107.33	381.58	414.68	297.02	323.47	169.41	198.24	225.53	174.52	147.53	81.65	186.74	245.847	364.73	222.233	301.439	269.972	1014.781	334.785
01.04.2015	166.91	147.17	204.92	126.56	415.43	105.46	376.61	417.2	289.72	330.41	163.83	195.38	222.67	175.79	141.65	84.16	187.45	245.299	365.509	221.457	303.937	270.108	1016.727	338.139
31.03.2015	167.04	147.84	201.27	124.73	415.15	106.34	369.41	408.56	282.61	321.48	158.64	189.19	220.39	174.75	143.56	81.06	184.33	245.028	363.903	220.692	301.621	268.473	1019.78	335.427
30.03.2015	167.7	148.88	200.97	124.21	417.96	105.36	370.12	409.29	293.7	322.95	159.44	196.03	223.28	174.18	143.77	82.45	183.29	245.586	366.447	222.558	305.09	271.145	1028.277	339.308
29.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.03.2015	167.79	147.61	204.62	129.7	416.01	107.09	370.62	414.61	303.06	330.6	161.3	187.71	220.44	172.91	143.5	82.82	183.19	241.185	366.63	222.313	305.214	268.31	1020.455	337.285
26.03.2015	166.59	148.26	205.82	131.63	424.31	106.3	375.65	416.33	312.57	331.98	164.1	184.57	221.34	173.26	146.17	86.47	184.56	241.417	366.052	223.576	303.769	266.425	1020.025	339.266
25.03.2015	166.96	147.11	207.76	131.35	421.01	106.44	374.33	413.67	312.16	329.27	166.49	191.87	220.44	171.99	148.99	83.03	185.37	246.026	370.699	224.903	307.09	268.721	1019.486	340.96
24.03.2015	167.82	148.38	207.53	128.86	422.56	107.7	375.95	411.64	318.41	328.94	165.56	193.53	221.08	172.16	152.8	81.06	185.94	248.85	372.15	225.271	306.663	271.329	1027.935	340.775
23.03.2015	167.88	148.96	205.59	133.13	420.84	107.94	373.77	410.36	326.41	327.15	169.41	197.41	221.18	169.74	150.08	81.54	186.27	249.162	371.696	223.712	306.787	269.718	1025.507	343.455
22.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.03.2015	165.16	148.88	208.05	134.54	415.6	105.86	362.15	409.32	325.18	327	168.62	195.93	218.66	170.26	152.42	80.62	184.42	250.243	373.234	224.063	308.508	269.405	1031.899	345.263
19.03.2015	164.97	147.53	202.46	135.29	402.28	106.08	347.44	403.94	314.31	312.11	167.82	189.28	214.1	171.82	153.83	79.27	182.15	249.566	367.025	222.055	306.589	266.913	1022.703	338.614
18.03.2015	163.08	146.24	205.67	131.44	389.44	105.29	341.91	397.79	308.23	301.01	169.28	188.82	210.63	173.2	159.65	80.92	182.77	248.738	363.977	221.825	304.694	265.48	1018.339	333.649
17.03.2015	159.76	148.05	207.9	129.66	397.05	101.47	348.86	396.75	313.25	301.72	170.48	186.14	213.34	174.75	156.17	78.09	180.78	249.015	361.425	222.932	301.633	264.748	1017.269	329.122
16.03.2015	159.3	146.7	208.13	129.56	401.23	101.94	354.24	398.48	317.8	302.48	171.54	190.02	212.12	175.79	148.94	78.95	183.57	250.808	361.502	224.069	299.027	266.487	1028.16	324.645
15.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.03.2015	159.69	146.8	210.14	121.82	401.99	101.95	360.02	398.24	322.62	300.1	168.88	185.58	212.88	173.89	149.86	80.44	184.47	245.267	361.042	223.811	297.285	264.153	1020.13	325.22
12.03.2015	161.2	144.79	211.63	124.07	400.99	103.17	368.44	398.1	317.37	300.52	175.66	187.52	212.49	174.7	150.35	83.56	187.59	244.445	363.078	223.527	299.522	262.731	1012.857	333.153
11.03.2015	163.01	144.55	212.9	123.65	393.29	101.67	366.55	397.58	314.32	297.6	174.73	184.47	211.13	170.11	154.69	84.42	188.02	245.853	364.326	224.279	301.49	265.143	1010.073	333.268
10.03.2015	163.58	145.85	217.23	126.75	395.81	102.58	367.55	400.79	320.54	302.79	173.14	182.35	213.52	169.67	149.57	83.64	186.46	239.915	358.904	219.69	298.474	264.336	992.018	333.103
09.03.2015	164.5	147.35	218.79	128.58	403.2	104.9	373.28	402.95	330.86	305.56	176.46	181.15	215.65	164.53	146.38	86.15	188.12	241.14	361.46	221.967	302.895	265.351	1001.694	345.193
08.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.03.2015	166.63	147.66	219.61	131.3	394.5	106.12	369.42	402.11	327.69	306.16	178.72	178.37	213.29	158.87	154.74	86.45	186.55	240.006	362.002	226.427	301.847	264.362	1002.777	345.245
05.03.2015	166.36	149.31	223.42	126.75	400.79	106.56	369.15	413.05	323.71	312.96	178.72	177.63	213.07	154.06	154.49	87.35	186.65	238.669	367.631	227.346	306.038	264.037	1014.812	346.288
04.03.2015	166.92	149.27	224.24	129.09	401.23	107.18	359.51	414.68	317.77	312.96	177.39	183.36	214.13	156.77	150.57	88.16	188.26	233.447	365.444	226.468	302.782	261.097	1013.583	345.484
03.03.2015	163.6	148.75	225.35	121.77	399.88	107.23	354.08	415.88	311.73	315.63	178.86	187.06	214.16	151.24	147.47	88.22	191.71	234.056	365.595	223.711	303.106	261.59	1000.334	344.192
02.03.2015	166.08	149.38	224.16	129.85	405.62	109.29	353.68	417.2	315.88	318.63	181.38	184.84	217.21	156.02	146.71	86.38	192	233.948	370.001	226.241	306.192	264.191	1006.711	346.197
01.03.2015	NA	N

09.01.2015	173.75	149.52	221.33	168.98	419.12	102.39	378.73	420.05	349	318.01	198.27	208.41	227.99	183.14	160.22	76.8	199.29	190.518	330.449	186.583	288.42	231.32	897.95	303.954
08.01.2015	177.06	151.18	222.67	166.03	420.22	102.06	374.75	417.35	354.66	317.35	197.87	209.61	228.15	181.05	159.14	77.39	198.53	190.799	335.876	189.414	293.507	232.042	906.585	310.25
07.01.2015	179.8	147.4	217.15	164.29	421.22	101.84	374.48	418.06	354.55	320.43	196.54	214.23	225.24	182.88	156.12	77.09	200.05	186.162	329.17	185.601	287.298	227.154	870.172	301.961
06.01.2015	179.98	147.01	216.41	164.15	423.52	101.45	373.92	421.06	347.9	322.23	197.74	218.76	229.64	181.15	159.76	76.74	199.95	186.552	330.37	184.05	284.952	225.105	860.279	298.356
05.01.2015	180.45	149.67	219.54	157.77	423.28	102.31	374.02	415.75	346.46	314.02	189.63	217.74	230.81	184.27	156.72	79.57	197.96	186.801	330.117	186.222	288.226	225.671	866.149	298.671
04.01.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.01.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.01.2015	179.72	151.1	218.27	151.15	430.65	100.4	379.81	409.6	338.05	305.4	188.43	214.88	233.09	187.44	163.3	83.56	190.81	190.329	341.007	191.377	296.497	231.371	886.302	314.648
01.01.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2014	177.26	152.87	217	156.36	433.8	101.57	376.66	408.87	345.4	302.13	193.09	218.02	230.25	187.2	157.1	84.84	193.84	188.93	342.461	192.206	299.314	229.763	892.595	315.374
30.12.2014	178.21	153.41	221.63	154.67	435.72	104.45	383	414.5	343.72	315.24	194.28	222.55	231.12	187.15	168.24	85.77	197.73	188.845	342.449	191.557	297.394	229.229	886.788	314.5
29.12.2014	178.42	153.64	221.03	155	433.46	104.5	372.1	408.11	343.14	305.62	194.15	227.54	226.46	188.59	173.95	85.23	198.63	190.947	344.704	193.612	302.809	231.433	898.775	320.398
28.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.12.2014	175.63	153.68	219.31	158.24	433.7	103.86	377.88	412.74	349.86	312.74	195.48	225.79	228.05	188.01	164.93	87.44	199.62	NA	NA	NA	NA	NA	NA	NA
25.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.12.2014	173.96	153.68	221.03	159.69	433.7	104.11	377.88	405.21	349.86	304.28	196.28	226.06	228.05	187.44	167.05	88.7	196.07	191.089	346.956	196.009	301.971	231.543	900.588	320.038
23.12.2014	174.28	154.45	221.18	160.49	435.58	104.18	377.22	406.77	352.51	305.38	197.21	234.94	228.98	188.24	174.23	90.95	198.06	191.422	346.659	195.796	301.975	231.481	900.656	319.539
22.12.2014	174.92	155.44	222.67	161.57	437.13	104.55	380.31	407.39	357.11	303.85	197.61	231.33	229.43	185.01	172.92	88.42	198.06	189.487	342.955	194.282	298.989	230.157	898.578	316.285
21.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.12.2014	174.13	157.79	222.22	163.96	440.32	102.61	380.82	412.98	356.01	310.48	199.2	233.73	230.89	188.82	190.21	90.59	196.69	187.811	341.52	192.689	298.108	227.389	895.67	316.979
18.12.2014	172.18	158.12	221.1	163.63	434.08	102.49	377.73	412.57	357.11	308.62	199.34	242.24	224.97	188.76	199.89	87.09	197.59	187.132	343.242	192.594	298.787	226.488	895.848	309.991
17.12.2014	169.6	158.97	217.38	161.29	437.57	102.21	381.48	412.47	356.56	308.5	195.74	239.74	226.35	185.53	202.5	90.27	196.07	180.752	335.274	189.747	289.299	220.085	864.107	303.333
16.12.2014	172.66	157.75	217.3	166.78	437.09	100.74	388.84	412.4	365.13	305.09	195.61	230.41	226.22	188.3	197.66	89.02	195.31	181.566	336.396	190.771	288.192	219.097	857.783	293.374
15.12.2014	175.8	159.1	214.24	167.67	439.39	102.21	398.48	417.02	375.41	320.8	198.94	228.84	229.72	191.99	202.83	89.93	198.11	176.679	329.577	189.05	281.299	217.808	841.643	283.354
14.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.12.2014	176.54	160.28	213.05	163.3	445.65	102.02	404.31	422.13	380.63	330.37	199.2	224.21	231.95	191.93	207.5	92.05	199.57	180.723	338.229	192.269	289.458	220.133	854.649	292.296
11.12.2014	177.27	161.3	212.83	165.56	443.78	101.92	401.47	423.2	371.62	331.44	201.46	220.89	232.45	194.47	199.18	94.88	198.63	185.429	346.745	198.324	296.952	222.703	883.495	303.406
10.12.2014	177.87	162.29	218.72	167.57	440.77	100.39	408.13	424.52	372.56	332.89	205.72	215.06	230.76	194.93	202.83	95.9	196.44	185.41	348.989	197.155	299.008	223.642	879.739	303.972
09.12.2014	178.22	163.32	220.13	169.36	445.33	100.91	409.89	425.41	377.37	331.86	205.05	216.54	234.98	195.04	199.53	99.9	199.43	183.54	349.578	197.657	298.95	224.286	888.543	309.949
08.12.2014	177.32	162.73	216.48	167.1	440.33	99.95	412.19	412.6	380.48	315.24	203.46	221.07	234.65	196.25	196.1	98.75	198.13	188.852	361.285	203.065	308.249	228.435	917.147	316.201
07.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.12.2014	180.46	164.13	215.51	169.03	444.1	100.51	413.07	411.05	383.23	314.89	201.33	219.59	236.86	197.41	206.97	102.74	196.44	190.716	362.554	204.68	310.718	229.809	918.545	322.657
04.12.2014	182.62	165.14	213.65	171.23	445.83	101.82	413.6	417.02	390.52	321.03	202.26	218.02	236.9	199.71	198.42	103.82	191.38	187.544	354.924	199.62	304.157	227.405	893.658	321.435
03.12.2014	182.62	163.27	212.68	172.36	439.46	100.51	411.26	417.37	378.56	317.88	200.66	217.93	234.46	200.29	206.91	104.55	189.06	188.038	358.881	200.28	308.009	230.231	908.37	330.692
02.12.2014	184.5	163.9	213.2	172.13	441.82	100.07	411.21	414.16	372.55	318.73	202.66	223.01	234.2	205.19	210.66	104.56	188.59	186.39	356.356	199.209	305.586	228.785	906.119	329.658
01.12.2014	186	168.38	215.96	178.7	444.57	99.73	417.25	420.61	371.91	323.3	207.31	224.31	236.8	205.01	217.89	107.77	192.61	185.901	357.555	197.676	305.478	229.415	903.311	318.211
30.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.11.2014	184.14	166.81	212.01	175.93	437.3	101.25	411.42	405.9	371.5	301.3	207.31	213.86	234.6	203.4	222.29	103.96	192.42	184.732	358.188	198.244	303.192	229.664	916.804	320.719
27.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	184.48	357.583	196.502	304.04	229.214	903.122	330.567
26.11.2014	184.49	171.79	214.09	182.31	451.94	101.16	418.57	413.5	373.22	321.63	214.36	208.04	240.83	206.46	236.81	115.08	198.3	184.229	353.286	194.458	302.238	228.603	901.44	343.805
25.11.2014	185.84	170.96	210.59	183.06	454.03	99.95	416.44	413.6	377.24	321.73	212.77	206.19	240.67	207.09	239.42	115.76	199.05	184.46	350.667	194.197	300.681	228.726	894.474	344.246
24.11.2014	185.15	170.4	213.72	178.79	459.03	99.11	417.91	413.19	380.12	318.32	212.77	203.14	242.87	208.65	234.04	117.84	195.79	184.275	348.7	193.209	297.849	227.102	897.293	348.407
23.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.11.2014	187.47	171	210.44	178.98	462.63	100.3	418.37	413.81	379.57	318.79	213.96	204.62	243.56	208.53	240.18	118.92	196.78	184.058	348.677	191.605	297.621	226.217	899.568	349.618
20.11.2014	187.08	169.21	210.96	177.24	458.5	99.19	412.68	411.43	373.45	313.64	214.1	204.25	238.65	209.57	252.8	117.64	193.28	178.544	340.809	187.042	292.982	221.661	888.435	339.29
19.11.2014	187.7	168.09	211.41	186.86	459.86	99.6	412.28	412.5	368.65	316.68	211.04	200	238.79	211.3	245.57	115.99	190.29	178.19	344.004	188.006	297.039	222.72	890.059	336.483
18.11.2014	187.51	167.43	209.47	181.04	456.02	100.88	410.55	413.6	357.34	314.26	208.91	203.7	237.96	210.09	237.36	116.45	193.8	178.972	343.031	189.239	295.832	223.187	887.747	336.97
17.11.2014	187.55	168.92	210.89	180.01	460.92	99.6	414.81	408.94	360.67	311.99	209.71	204.71	239.02	213.54	241.65	117.64	196.26	177.074	340.024	187.786	292.764	220.897	888.294	334.772
16.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.11.2014	186.63	168.38	208.58	184.28	460.88	100.49	412.89	409.63	355.9	316.95	211.44	208.04	239.37	213.83	224.52	117.91	193.66	176.516	338.407	186.207	291.515	220.625	876.872	333.407
13.11.2014	186.18	170	210.37	181.28	457.59	99.01	409.94	401.35	351.67	303.52	212.9	205.55	238.63	211.18	222.35	115.32	199.53	176.162	338.295	185.369	293.483	221.472	877.795	332.066
12.11.2014	184.39	171.85	213.56	176.33	459.5	102.22	415.39	400.46	356.35	303.34	217.55	202.2	241.79	209.28	231.88	120.28	198.44	174.005	338.721	184.971	294.473	221.011	870.564	337.776
11.11.2014	183.13	170.64	217.7	175.57	460.49	104.88	414.28	401.8	352.12	304.28	215.82	195.4	240.29	206.64	234.11	121.54	193.52	178.166	348.307	186.312	300.8	226.109	873.815	341.083
10.11.2014	182.9	169.56	215.85	171.86	458.8	104.46	413.33	400.61	347.93	303.94	208.24	192.7	237.6	206.04	233.46	121.4	194.27	177.352	346.402	184.59	298.183	226.977	843.3	344.383
09.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.11.2014	182.34	171.32	215.35	172	462.93	107.33	412.87	403.99	351.97	304.56	208.64	191.07	237.69	204.51	240.95	123.12	196.35	177.479	342.465	183.07	295.841	224.819	835.981	342.329
06.11.2014	180.48	173.31	213.94	172.45	459.51	106.49	407.1	394.54	353.51	298.53	205.85	192.33	235.74	202.07	239.48	122.06	194.7	179.166	346.42	184.774	298.078	225.582	838.222	338.361
05.11.2014	180.3	171.79	214.09	174.8	457.83	105.68	403.75	395.61	349.51	299.03	206.25	193.99	235.13	200.86	228.06	122.35	193.04	178.677	347.113	186.046	298.249	224.812	843.526	337.318
04.11.2014	181.81	172.21	214.84	176.63	457.94	105.83	405.89	403.21	348.49	308.99	208.51	196.12	238.49	202.82	224.52	121.14	191.24	176.059	342.553	182.324	293.033	223.321	821.907	329.632
03.11.2014	181.97	173.24	213.35	174.43	462.74	108.27	410.81	403.94	359.23	313.79	211.84	198.98	244.22	204.84	220.01	123.7	195.03	176.755	345.34	184.626	294.51	225.123	832.034	341.588
02.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.10.2014	180.89	171.67	216.18	176.44	461.43	108.61	406.85	404.56	360.05	311.95	213.3	196.86	245.12	202.94	210.6	125.78	198.72	177.101	354.177	185.357	300.725	227.052	836.076	345.227
30.10.2014	182.07	170.67	219.69	176.07	464.52	108.7	406.54	413.88	359.87	318.03	216.76	198.15	244.33	201.04	208.1	126.43	195.03	173.89	345.58	182.049	294.573	222.715	824.056	341.14
29.10.2014	181.47	170.25	219.02	177.94	469.9	110.13	413.6	422.96	357.5	334.38	216.76	198.98	243.77	204.27	205.98	127.87	198.67	170.271	344.21	181.911	292.604	221.443	817.407	340.689
28.10.2014	182.55	166.95	217.97	180.53	468.46	108.65	412.18	424.52	354.68	333.64	214.49	196.21	239.24	207.95	202.88	126.41	192.23	172.216	345.982	181.11	292.429	220.329	810.553	336.203
27.10.2014	182.65	165.68	221.48	179.16	463.63	107.3	408.22	424.48	337.36	332.38	213.16	193.25	239.13	205.3	197.77	125.77	191.81	162.529	339.628	176.644	287.501	217.598	788.328	332.875
26.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.10.2014	181.72	164.19	227.44	179.73	460.88	107.53	404.26	425.35	342.5	332.79	217.82	191.4	239.24	208.07	201.09	125.98	186.22	164.301	342	177.409	288.375	218.518	796.717	335.659
23.10.2014	184.01	166.35	232.66	181.42	460.61	106.24	411.52	424.41	345.54	332.33	214.89	194.73	239.4	204.55	201.52	127.34	189.39	166.309	342.248	177.226	289.631	219.202	783.867	339.314
22.10.2014	182.88	168.51	232.14	179.35	456.15	105.63	414.26	430.08	347.05	333.74	219.41	193.07	239.61	206.92	203.64	124.7	183.66	164.529	340.049	174.653	286.856	218.164	774.834	335.953
21.10.2014	181.79	166.27	231.92	187.33	458.33	105.81	411.06	432.22	349.07	339.9	218.62	191.96	234.2	203.92	206.63	127.33	184.04	163.981	337.088	173.519	284.124	214.874	771.586	334.003
20.10.2014	183.02	164.31	232.66	187.14	450.81	104.97	408.42	429.8	350.64	336.12	221.81	189.83	234.62	205.53	204.73	126.35	180.35	159.281	331.492	170.495	280.087	209.679	754.053	323.038
19.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.10.2014	179.92	164.1	232.51	197.7	456.26	106.17	410.86	427.83	358.27	335.68	221.01	190.76	238.26	208.82	210.06	127.04	181.77	160.326	331.312	170.078	281.853	209.964	755.388	330.44
16.10.2014	180.5	158.95	230.13	203.75	450.26	107.11	400.2	428.59	352.9	337.73	221.68	191.13	235.15	208.24	211.26	126.6	184.52	153.063	324.759	167.571	273.734	204.647	732.376	317.99
15.10.2014	177.52	159.41	235.12	202.72	456.19	107.36	406.7	429.83	361.24	338.25	219.41	187.06	241.38	211.93	211.26	124.7	182.01	152.825	329.892	170.218	275.256	205.887	738.646	320.442
14.10.2014	179.22	161.86	231.32	208.26	467.12	108.12	416.18	426.21	373.15	337.07	223.54	188.26	248.86	218.85	212.07	125.82	184.33	158.73	339.999	175.768	284.685	211.582	766.413	331.802
13.10.2014	182.15	161.49	228.11	204.69	461.09	109.57	418.67	424.72	375.53	335.95	221.68	186.78	247.61	218.16	217.73	131.53	180.54	156.715	340.745	174.87	285.18	211.848	770.948	336.533
12.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.10.2014	180.87	160.13	235.42	206.85	456.72	108.02	417.65	421.86	373.7	335.13	220.08	184.29	245.3	217.64	213.76	132.29	175.93	156.152	341.066	175.839	285.993	211.944	771.824	334.832
09.10.2014	181.81	161.55	227.96	208.02	462.16	107.75	422.76	423.1	380.42	337.36	222.07	182.35	247.43	220.46	212.08	132.16	179.32	157.992	344.149	177.033	290.653	215.487	786.016	344.232
08.10.2014	184.12	160.42	226.55	201.27	456.46	109.35	420.96	416.44	377.13	330.51	225	187.71	245.6	219.42	211.71	134.52	177.73	158.965	345.025	178.386	291.911	216.245	801.902	347.978
07.10.2014	184.03	161.55	227.52	203.05	458.49	109.89	423.24	418.65	386.56	333.91	226.46	187.15	245.58	217.52	216.2	136.53	178.49	161.692	346.143	178.979	293.186	219.456	811.024	351.287
06.10.2014	182.49	159.33	229.6	207.23	461.36	108.49	425.47	416.89	380.76	333.62	225.8	181.7	244.46	221.04	211.96	138.44	178.46	166.333	350.969	181.026	297.467	224.418	817.342	355.732
05.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.10.2014	182.18	158.04	227.89	193.81	456.84	105.27	420.5	411.91	377.36	325.9	218.62	179.57	239.74	214.47	219.63	137.57	172.77	165.184	352.175	181.189	297.362	224.727	813.486	356.051
02.10.2014	182.59	155.96	230.43	195.78	454.13	104.23	420.95	419.58	365.38	330.18	213.43	178.47	238.31	218.85	213.81	139.33	175.09	162.431	347.891	178.93	293.624	222.576	806.193	353.495
01.10.2014	181.86	158.56	236.54	188.08	459.53	104.75	423.79	419.72	366.96	334.28	213.3	177.08	240.11	218.73	218.76	139.79	173.63	166.868	358.677	183.147	302.032	227.609	825.401	367.506
30.09.2014	179.26	161.9	246.08	181.46	458.69	103.42	425.42	418.37	372.05	330.37	218.75	176.62	242.26	217.93	224.09	140.28	172.96	168.498	362.182	184.876	303.694	228.898	829.113	371.733
29.09.2014	180.12	162.13	246.91	179.49	463.49	103.59	424.91	420.86	380.44	340.25	223.4	177.91	242.44	218.67	225.88	144.73	174.91	166.242	357.676	183.81	300.364	228.168	830.549	369.305
28.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.09.2014	177.57	160.86	246.91	174.61	461.95	104.3	419.58	419.68	387.39	339.67	220.21	175.32	239.9	217.81	219.09	143.71	172.4	167.521	358.767	184.902	301.262	229.418	829.064	368.263
25.09.2014	174.44	161.26	248.55	171.09	460.2	103.47	419.89	421.93	395.34	337.75	213.83	175.23	239.93	215.79	218.27	143.18	174.76	167.034	355.275	184.015	300.399	228.156	828.098	366.405
24.09.2014	174.16	163.29	251.38	177.48	463.18	103.76	423.44	421.1	397.07	342.86	211.44	177.54	241.54	219.48	215.61	143.21	177.41	168.073	357.467	185.097	302.246	230.818	831.068	371.542
23.09.2014	174.09	162.63	245.86	169.78	461.78	105.88	419.63	421.96	390.74	344.35	209.18	175.97	238.76	219.6	210.39	142.19	177.32	168.426	353.991	183.501	299.96	233.308	812.641	367.765
22.09.2014	173.88	163.48	248.17	168.37	462.02	105.48	418.37	420.55	388.48	344.26	207.98	176.25	237.2	220.63	212.51	141.68	177.7	172.356	358.026	185.137	305.345	236.743	825.881	373.854
21.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.09.2014	173.8	163.5	243.03	167.06	469.71	108.51	422.63	420.1	405.56	345.61	210.11	175.42	240.93	218.67	212.23	143.25	181.25	173.868	357.74	186.012	305.022	237.878	830.257	375.087
18.09.2014	173.84	163.94	238.03	170.06	470	109.62	421.51	423.65	408.57	358.65	212.1	180.59	239.9	216.25	216.15	143.01	184	173.469	357.4	184.9	303.66	237.242	818.391	373.953
17.09.2014	174.92	165.35	235.12	173.49	475.87	110.68	427.24	426.76	412.55	362.85	216.09	184.57	240.11	216.48	221.7	144.76	186.08	172.892	355.024	183.36	301.729	236.026	807.572	371.317
16.09.2014	173.66	167.7	228.93	173.86	473.86	110.47	428.72	427.04	412.98	362.6	215.03	183.46	241.44	221.15	220.94	145.32	185.75	169.761	352.239	181.544	301.274	232.755	806.144	370.197
15.09.2014	173.79	164.75	227.96	171	468.29	110.95	425.16	426.48	411.86	360.64	216.36	185.12	238.18	220.98	217.35	143.18	187.41	170.159	353.596	181.796	303.121	233.551	806.704	367.632
14.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.09.2014	174.02	168.05	227.67	173.21	469.28	114.59	430.04	425.24	420	360.37	217.02	185.77	241.15	222.02	212.62	142.76	186.6	170.57	355.409	183.072	303.496	234.895	811.878	369.975
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25.07.2014	173.97	165.54	238.18	168.14	488.79	110.13	459.41	450.73	438.23	399.69	227.93	198.89	253.23	247.32	205.93	158.35	205.21	180.67	357.102	183.063	302.975	229.561	827.476	382.97
24.07.2014	172.21	167.95	238.48	167.34	491.77	111.31	453.12	446.37	437.25	395.41	226.73	195.47	253.39	248.76	209.35	157.38	205.45	179.227	358.157	183.738	305.915	232.356	820.207	386.296
23.07.2014	172.21	167.16	237.51	165.74	482.93	114.73	447.08	451.14	434.8	406.64	225.53	196.21	250.85	254.64	205.33	158.72	203.88	180.094	355.086	182.788	304.442	231.892	818.702	384.93
22.07.2014	171.9	169.46	233.48	157.95	482.69	114.44	449.11	451.66	435.95	406.9	228.19	193.9	250.64	261.56	205.82	157.81	200.33	180.27	357.532	183.17	305.013	231.116	815.291	384.431
21.07.2014	169.11	167.59	233.26	162.27	481.88	114.07	446.12	454.25	429.66	406.97	229.79	195.93	247.83	259.83	210.01	158.48	202.94	179.56	350.378	180.73	301.332	228.898	804.465	377.412
20.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.07.2014	168.08	164.46	229.83	161.8	479.09	114.16	442.57	452.69	425.95	404.53	225.66	196.77	243.32	261.79	215.06	157.3	205.54	179.017	350.992	181.337	300.642	230.566	808.365	379.673
17.07.2014	167.51	165.14	228.49	153.78	484.71	114	442.97	455.28	438.32	409.34	225	203.6	244.01	262.19	215.17	157.92	207.2	179.062	349.934	181.089	298.464	232.617	809.549	380.129
16.07.2014	165.07	163.56	228.34	152.51	485.41	113.99	445.92	449.34	440.61	402.38	226.99	198.89	243.93	265.3	223.82	156.43	208.71	181.628	354.279	183.719	302.164	234.41	817.543	385.439
15.07.2014	165.73	162.55	231.62	151.99	489.13	114.17	446.78	448.38	441.2	404.59	228.86	198.8	243.43	267.32	222.62	155.59	205.73	177.138	348.677	180.957	299.315	231.71	806.408	379.595
14.07.2014	164.72	161.07	229.9	154.25	488.69	115.1	448	451.69	441.84	405.07	228.59	198.8	244.27	266.8	225.12	156.97	205.73	177.556	350.882	181.7	297.368	233.048	801.751	381.163
13.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.07.2014	165.03	161.06	230.43	151.48	491.35	114.8	446.62	462.22	442.47	415.67	226.99	194.45	243.91	269.22	225.01	156.47	203.6	174.209	349.857	180.753	296.906	230.522	790.887	380.177
10.07.2014	163.94	159.52	229.75	152.98	491.55	115.52	443.47	462.72	439.41	416.58	229.92	202.77	240.43	274.24	223.81	159.28	207.01	174.026	346.357	180.887	295.592	228.998	790.9	379.174
09.07.2014	166.07	160.71	230.2	162.27	489	117.41	444.3	457.49	445.54	408.06	231.65	203.79	241.6	285.69	226.67	158.4	209.04	177.021	350.141	182.702	298.549	231.666	798.551	383.813
08.07.2014	168.26	160.6	232.36	162.32	489.11	118.13	447.45	454.68	451.13	406.99	235.11	205.64	241.45	293.12	228.49	159.79	211.41	176.726	351.885	182.138	300.242	231.848	799.208	384.236
07.07.2014	169.34	158.87	231.1	160.58	488.69	118.32	442.21	454.77	440.86	407.01	232.85	205.82	239.26	303.92	229.74	160.83	213.16	179.253	355.672	184.824	302.087	235.619	815.64	388.709
06.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.385	358.16	186.34	304.361	237.379	818.464	393.779
03.07.2014	169.34	160.16	231.62	161.24	492.59	121.44	442.92	456.01	453.43	409.39	236.84	214.23	236.85	303.4	239.59	161.79	214.68	182.934	360.059	187.397	305.43	237.784	817.148	393.025
02.07.2014	166.71	159.33	232.44	162.65	489.17	122.13	445.36	459.56	447.83	412.59	237.63	212.75	238.12	300.52	236.92	162.37	216.19	180.376	362.589	186.305	304.844	235.959	809.477	393.329
01.07.2014	164.22	156.15	233.18	164.34	481.97	123.88	438.51	456.49	434.46	407.82	239.49	213.49	234.78	306.22	242.58	163.71	219.18	179.887	359.814	188.371	304.088	234.869	819.04	391.1
30.06.2014	164.22	156.15	233.18	164.34	481.97	123.88	438.51	456.49	434.46	407.82	239.49	213.49	234.78	306.22	242.58	163.71	219.18	177.862	359.065	186.263	300.889	234.359	812.425	388.492
29.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.06.2014	165.37	155.59	233.78	161.94	477.17	126.14	436.83	455.8	431.83	409.34	243.62	219.5	231.55	299.31	239.75	164.66	232.58	178.944	358.445	186.972	301.826	233.93	815.393	388.343
26.06.2014	166.96	156.67	227.67	169.73	477.82	125.77	439.22	454.77	429.07	409.88	249.07	216.17	232.13	296.95	241.49	164.69	235.65	181.086	359.499	187.613	302.153	232.452	812.546	388.987
25.06.2014	164.66	157.13	228.78	170.86	474.8	126.83	437.85	456.7	423.86	410.05	247.47	215.99	231.2	296.6	248.45	165.7	232.77	180.954	357.608	186.911	300.563	230.866	801.137	388.675
24.06.2014	163.62	156.9	226.92	165.42	472.88	128.9	441.3	456.25	413.73	408.62	248.54	214.69	230.43	302.19	247.74	165.78	231.91	183.123	362.065	188.257	304.533	231.846	805.421	394.697
23.06.2014	160.72	156.13	229.68	166.49	472.75	130.91	440.08	455.25	420.5	406.04	248.8	217.74	231.44	297.35	242.96	165.61	233.66	184.834	361.466	188.494	304.191	232.358	808.397	394.338
22.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.06.2014	160.04	155.8	231.77	164.71	468.32	129.9	430.75	454.63	420	406.62	249.34	219.32	230.67	297.75	247.53	166.54	233.24	184.924	365.209	190.011	304.268	233.272	809.102	393.02
19.06.2014	161.18	155.98	232.36	158.7	461.43	129.98	430.7	453.76	423.42	400.77	248.54	222.74	228.05	299.14	250.3	166	232.43	185.034	366.029	191.396	304.7	235.497	816.61	391.526
18.06.2014	158.59	154.67	232.51	159.41	460.23	130.08	429.58	439.47	427.72	383.9	244.02	220.43	226.22	293.43	254.21	165.08	229.73	183.629	363.02	189.974	301.688	234.63	819.546	388.545
17.06.2014	159.61	152.76	231.77	161.38	459.96	128.61	428.36	439.23	436.38	383.03	238.16	218.39	224.71	295.22	256.77	164.77	229.55	182.108	362.07	188.558	300.678	233.58	813.852	385.301
16.06.2014	160.38	152.91	231.62	164.99	458.93	129.96	425.98	440.37	425.62	382.7	238.96	218.58	222.48	295.73	256.55	164.63	230.49	181.641	361.247	188.472	299.909	235.65	811.51	385.586
15.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.06.2014	160.47	152.39	231.39	165.6	456.32	131.02	421.92	439.95	412.45	381.54	237.37	220.52	220.92	302.65	258.18	164.12	231.3	182.196	362.058	191.318	300.48	237.394	816.97	386.756
12.06.2014	158.74	152.31	228.34	163.96	453.99	131.16	419.89	439.92	410.83	379.1	232.85	220.7	219.75	301.56	259	163.91	229.59	183.484	360.563	191.366	298.744	238.783	818.085	383.051
11.06.2014	155.76	154.08	231.59	163.08	458.94	132.89	429.73	435.5	417.65	371.97	232.15	221.46	224.69	297.33	244.96	160.26	239.72	184.439	359.968	189.83	298.871	239.004	822.211	378.9
10.06.2014	157.15	156.98	230.11	156.96	457.94	136.28	432.53	435.12	428.33	371.74	231.97	224.88	225.57	294.89	246.1	159.93	250.51	187.564	362.283	191.668	301.064	242.557	843.306	380.172
09.06.2014	156.82	158.24	229.55	156.16	457.55	137.59	432.83	432.98	431.26	369.61	229.95	228.24	225.59	294.2	252.37	160.42	258.31	188.966	359.996	192.625	300.612	241.792	840.447	379.923
08.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.06.2014	154.64	155.76	229.6	162	458.48	140.59	426.06	432.49	430.53	367.98	227.13	229.45	222.8	290.12	256.01	158.39	266.92	187.965	356.954	191.291	300.51	241.197	834.151	378.271
05.06.2014	154.57	153.12	230.57	158.75	465.2	144.08	425.57	432.77	434.16	369.61	223.8	223.94	221.08	281.67	255.63	158.7	276.61	185.829	353.894	188.254	297.995	238.463	824.919	375.819
04.06.2014	153.39	152.28	230.28	159.74	465.96	145.06	424.71	429.66	434.07	363.97	226.6	227.17	220.23	280.12	252.31	158.37	280.78	184.42	349.678	186.481	295.758	237.341	822.488	372.298
03.06.2014	153.24	153.26	228.93	160.63	471.89	147.22	431.41	429.73	435.26	363.41	228.59	226.43	221.24	281.96	251.71	158.74	280.54	182.344	349.68	186.288	299.694	236.927	823.892	376.421
02.06.2014	152.27	152.7	228.86	161.75	476.69	145.74	428.56	429.56	441.68	362.95	228.46	229.48	220.6	279.08	250.79	158.67	284.19	183.537	351.015	187.811	301.891	239.187	830.125	376.745
01.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.05.2014	151.73	151.91	229.01	166.59	470.96	145.38	423.03	430.25	439.51	361.84	231.12	231.89	217.52	277.75	246.98	159.27	282.81	182.535	348.953	187.564	300.47	238.665	827.965	374.735
29.05.2014	152.25	152.24	227.14	170.76	473.98	145.18	428.46	434.08	431.51	368.27	232.45	233.83	218.88	278.04	247.91	160.45	283.9	185.122	347.468	187.727	299.154	237.992	825.636	376.257
28.05.2014	150.17	151.64	225.88	165.32	478.23	143.02	431.35	434.98	441.11	369.15	227.53	236.14	219.72	279.6	250.95	159.77	283.66	185.428	349.382	187.339	298.817	237.631	826.494	375.526
27.05.2014	149.59	150.6	226.03	168.32	477.24	143.19	432.88	437.05	446.39	369.3	226.33	236.97	221.21	284.55	245.3	160.94	281.96	184.749	348.66	186.247	298.537	238.705	826.607	376.898
26.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	184.126	349.567	185.733	297.951	237.007	824.6	378.218
25.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.05.2014	149.85	149.61	225.35	170.72	476.72	145.45	434.86	446.1	447.58	376.1	230.98	241.22	220.63	285.24	239.53	161.55	287.03	183.373	345.597	184.194	296.543	234.06	824.773	377.274
22.05.2014	151.56	148.09	223.79	170.2	472.88	147.93	432.32	447.24	449.89	378.07	231.12	243.72	220.07	288.93	236.92	160.86	287.64	181.279	342.413	183.897	295.244	232.919	821.383	377.65
21.05.2014	152.58	145.72	222.3	170.25	469.59	150.47	429.83	444.85	445.27	374.55	231.91	245.56	218.88	292.39	243.5	161.17	285.08	180.355	345.401	183.649	294.092	233.462	822.527	379.803
20.05.2014	152.96	145.93	221.33	174.28	473.16	149.98	431.81	447.1	453.38	375.73	233.78	247.87	220.36	288.59	247.58	159.28	278.36	178.036	344.291	183.756	291.061	231.797	823.245	376.216
19.05.2014	153.41	146.26	218.49	172.22	476.04	150.24	435.67	446.82	458.98	374.84	236.3	249.35	221.45	289.74	243.23	158.9	281.3	176.899	343.059	183.093	290.318	231.05	846.791	379.441
18.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.05.2014	151.05	145.95	217.52	173.67	471.58	151.36	431.71	446.69	434.28	374.38	238.16	249.26	218.82	288.76	240.4	158.76	277.46	175.436	344.001	182.295	287.934	230.621	846.352	379.029
15.05.2014	150.44	146.41	216.78	184.7	473.23	152.27	431.25	446.79	428.04	377.38	242.02	250.74	218.19	288.99	243.5	158.08	278.46	177.397	342.308	180.923	285.212	230.034	855.054	375.753
14.05.2014	150.97	149.25	215.59	172.88	475.69	152.85	436.94	451.04	457.31	383.01	242.69	255.18	222.91	292.56	237.68	158.72	281.58	180.857	347.654	183.477	287.89	234.826	862.957	378.246
13.05.2014	150.37	146.93	216.33	175.46	470.28	153.24	429.63	447.2	479.59	378.6	236.7	262.2	218.48	289.11	237.19	157.6	281.01	181.905	348.009	182.648	288.3	234.614	862.64	379.811
12.05.2014	150.52	147.2	213.65	177.62	472.92	153.86	430.36	447.5	477.87	378.52	229.92	264.33	220.1	285.69	241.33	156.4	277.51	181.298	349.8	182.955	288.679	234.186	869.727	380.215
11.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.05.2014	150.59	144.99	213.57	172.59	463.83	155.65	422.36	444.68	454.55	370.35	228.72	267.1	215.49	283.11	246.68	155.71	281.63	178.5	347.967	182.582	286.866	230.503	868.82	379.762
08.05.2014	150.14	145.2	215.81	183.48	462.75	156.81	424.17	444.7	443.19	370.68	229.26	271.81	215.84	280.02	248.85	156.3	278.31	178.368	350.183	184.465	285.571	229.978	863.767	381.239
07.05.2014	149.96	145.19	216.18	188.64	457.44	155.97	421.12	445.09	425.9	374.63	229.52	272.74	214.85	280.22	257.9	157.02	273.91	174.814	344.168	182.38	283.123	228.341	859.324	376.511
06.05.2014	150.72	146.26	217.75	189.82	462.12	158.38	427.19	451.86	423.58	380.5	228.72	273.2	217.39	284.09	260.96	155.36	276.42	175.069	342.383	184.361	281.908	229.601	849.96	374.02
05.05.2014	149.83	146.61	218.27	192.63	461.81	159.67	423.44	452.11	417.3	379.06	232.31	269.5	216.44	282.07	254.92	155.85	277.13	174.923	342.915	184.142	282.037	229.195	847.079	373.767
04.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.05.2014	150.38	146.61	217.52	190.71	461.81	158.95	423.44	449.9	417.3	378.58	232.05	264.69	216.44	281.79	254.16	156.73	278.55	175.231	342.744	183.408	282.039	229.506	846.817	373.9
01.05.2014	151.5	146.63	217.9	191.6	456.53	158.75	422.83	443.16	417.66	368.84	236.7	261.46	214.37	283.11	256.61	156.03	276.7	174.969	341.939	181.867	283.783	229.757	839.13	373.09
30.04.2014	149.24	148.01	222.22	193.2	456.22	158.9	426.13	447.48	418.58	371.37	235.64	266.73	216.65	283.86	261.83	156.62	286.51	174.887	341.692	180.841	284.041	229.584	844.491	372.417
29.04.2014	148.97	149.21	220.06	198.87	461.23	158.51	427.09	447.62	414.58	378.42	233.64	264.88	217.92	288.82	262.7	158.62	287.36	173.912	341.613	179.71	287.593	227.485	838.738	368.832
28.04.2014	148.76	150.62	219.69	188.78	463.59	155.43	432.62	448.55	415.13	379.99	233.51	261.92	219.11	286.4	260.96	157.7	284.09	168.232	337.408	176.758	284.578	225.248	821.794	360.332
27.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.04.2014	148.5	152.78	220.21	194.27	464.86	157.15	437.9	449.17	421.27	381.91	237.37	261.83	217.97	287.09	253.29	158.62	283	168.69	336.167	176.378	283.559	225.213	816.9	359.619
24.04.2014	147.58	154.88	222.15	201.6	464.18	157.06	439.32	445.65	419.08	381.83	235.9	257.49	219.72	289.45	256.82	160.26	278.41	172.799	340.109	178.663	285.005	228.483	818.613	360.746
23.04.2014	146.69	154.8	224.31	200.8	458.24	156.12	437.59	443.58	419.79	377.05	239.1	252.4	218.21	291.07	258.13	159.15	277.41	174.461	338.68	177.876	286.139	228.026	811.149	357.477
22.04.2014	146.55	156.21	224.16	200.28	458.07	157.15	438.15	442.37	418.58	375.52	234.31	251.2	220.57	284.15	258.73	159.57	278.55	171.343	341.577	178.443	290.545	230.272	817.957	359.73
21.04.2014	146.11	154.13	224.01	186.95	456.56	155.39	434.6	444.92	409.32	375.38	233.11	249.72	218.35	282.07	256.39	161.35	281.68	NA	NA	NA	NA	NA	NA	NA	NA
20.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.04.2014	145.89	154.13	225.21	191.55	456.56	155.61	434.6	446.79	409.32	380.19	230.45	258.41	218.35	287.78	258.51	160.81	284.52	170.07	338.047	176.421	287.535	225.82	800.564	357.558
16.04.2014	147.23	154.94	221.77	177.24	454.3	156	434.25	450.1	407.72	380.88	235.24	257.02	218.8	285.36	247.36	160.54	285.75	169.327	336.442	174.615	288.926	225.138	796.038	355.994
15.04.2014	147	153.03	222.3	183.06	448.75	153.84	427.45	449	403.13	378.07	232.31	262.38	216.46	282.48	249.43	160.3	281.72	165.911	330.166	172.087	284.941	221.212	785.584	353.316
14.04.2014	147.46	155.55	223.42	194.65	457.35	155.51	429.93	458.39	406.15	388.2	230.32	253.88	217.44	282.77	249.16	160.26	277.18	169.387	331.98	173.655	284.981	222.594	797.851	352.921
13.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.04.2014	147.31	155.82	223.64	191.04	457.44	152.43	425.57	455.46	397.3	386.96	232.18	247.04	214.55	279.48	252.04	158.72	274.1	171.332	330.57	173.22	283.477	226.351	794.858	347.54
10.04.2014	146.66	156.4	222.37	195.16	456.63	151.73	428.25	455.97	389.94	389.66	233.51	247.12	216.02	279.31	253.82	158.85	278.19	174.341	333.726	175.171	286.607	229.467	807.547	351.134
09.04.2014	147.01	153.64	225.21	188.83	454.19	153.41	423.72	450.93	381.15	383.3	231.3	249.15	213.89	280.69	249.6	159.53	281.23	176.768	339.887	176.276	287.751	232.298	817.005	352.802
08.04.2014	146.48	150.16	223.36	185.25	457.75	155.1	420.05	452.04	375.64	388.74	231.49	252.98	214.4	273.78	246.9	158.6	279.19	177.641	339.087	175.431	287.647	230.565	806.361	351.004
07.04.2014	146.12	149.83	220.86	181.88	457.81	152.9	417.98	448.31	374.58	385.72	226.78	250.54	211.68	280.52	243.68	155.81	276.71	179.499	342.57	177.764	287.933	233.282	812.046	351.821
06.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.04.2014	145.92	149.98	221.18	173.63	454.2	155.71	416.54	450.1	374.02	386.33	230.72	247.6	211.96	277.93	241.38	156.99	279.12	182.622	342.518	178.725	288.414	236.972	822.452	354.769
03.04.2014	148.47	150.98	217.52	163.87	455.84	153.32	415.32	443.58	372.07	383.59	228.46	249.91	209.68	284.84	243.07	155.96	279.4	179.599	342.217	178.105	287.798	236.838	818.11	351.65
02.04.2014	147.63	150.6	217.52	162.08	458.11	154.21	416.29	445.72	369.58	388.34	225.66	247.41	208.11	287.72	237.3	154.41	276.94	180.549	342.029	178.19	288.821	237.092	827.802	350.256
01.04.2014	147.2	147.76	219.46	164.48	457.32	155.16	413.6	441.99	365.95	381.33	228.46	253.33	207.87	294.18	232.52	154.99	281.16	179.694	343.971	177.643	290.106	233.506	825.111	350.212
31.03.2014	148.27	146.93	220.36	166.96	456.26	157.6	417.86	443.3	363.14	382.57	236.3	257.76	209.44	293.2	237.68	157.84	277.27	178.019	342.134	177.664	289.126	232.584	827.839	348.895
30.03.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.03.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.03.2014	149.26	144.7

07.02.2014	149.58	141.08	218.17	127.76	491.07	147.53	429.26	436.08	322.67	386.28	209.95	213.62	214.15	218.39	256.83	156.78	251.65	171.321	310.523	173.461	268.233	224.269	838.257	331.677
06.02.2014	148.25	140.38	215.21	127.4	490.4	145.45	428.31	434.12	318.99	385.98	210.77	214.69	212.14	217.18	268.13	153.55	251.09	169.423	307.3	171.66	266.42	222.299	837.253	330.479
05.02.2014	148.26	139.39	215.06	134.3	484.02	144.12	423.95	434.01	313.86	383.59	214.1	217.19	208.06	219.02	273.52	152.55	249.29	165.342	301.657	169.208	263.398	220.398	814.713	325.946
04.02.2014	148.09	138.35	214.54	127.87	484.09	143.92	423.24	432.04	315.9	376.18	213.56	216.08	206.23	214.7	292.28	151.91	248.72	159.418	300.858	169.013	262.642	219.839	822.459	325.623
03.02.2014	148.68	137.5	217.3	127.59	483.68	143.26	421.61	435.05	316.6	375.92	209.31	208.41	206.92	214.06	266.72	151.56	244.84	159.441	300.57	169.955	265.348	221.129	835.965	325.819
02.02.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.02.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.01.2014	149.8	140.03	217.08	117.5	485.64	144.64	428.21	428.11	318.92	370.33	206.78	205.45	208.54	218.56	268.79	152.65	242.95	161.31	303.51	172.61	266.162	223.043	856.296	330.399
30.01.2014	149.79	141.9	217.15	112.62	487.62	144.98	429.22	429.04	315.04	370.44	199.34	204.62	209.81	215.85	272.48	154.28	241.48	163.719	304.515	171.53	265.899	225.261	855.37	333.36
29.01.2014	149.86	143.06	217.6	109.9	489.41	144.17	435.06	435.84	319.06	378.69	196.01	203.88	210.82	216.25	297.17	153.51	240.39	167.922	301.568	169.737	262.935	223.86	858.91	331.157
28.01.2014	149.59	144.16	216.63	107.6	490.33	142.15	437.85	431.8	322.6	377.75	199.73	209.24	212.14	215.73	268.68	153.1	243.47	166.144	303.714	170.378	265.012	223.733	855.539	332.78
27.01.2014	149.83	144.2	215.44	106.85	490.98	141.98	436.43	436.29	322.9	383.36	196.81	208.32	212.99	217.41	254.16	151.24	243.89	165.026	301.232	170.349	265.128	221.189	858.981	332.915
26.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.01.2014	149.43	144.93	208.2	107.37	492.87	146.97	440.69	436.64	330.74	382.82	200.93	208.96	214.05	216.77	271.78	152.92	243.32	169.135	303.438	171.437	266.485	223.464	880.626	340.251
23.01.2014	150.02	145.06	208.13	108.12	494.58	147.17	436.83	435.95	334.87	387.57	200	210.72	216.99	214.29	248.99	153.2	241.86	174.408	309.15	176.227	271.093	229.034	893.604	347.489
22.01.2014	151.17	146.78	201.12	107.79	500.89	148.03	445.36	427.73	337.8	384.25	199.87	207.49	221.37	214.35	247.42	153.06	242.33	174.901	309.257	176.974	271.918	230.713	908.116	351.253
21.01.2014	149.47	148.09	199.78	109.06	504.39	148.52	448.6	428.87	336.22	384.85	202.39	207.86	222.11	212.97	236.98	150.59	242.52	175.357	307.955	177.049	269.618	232.054	903.571	349.293
20.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	176.952	307.747	178.376	270.21	231.277	904.767	349.992
19.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.01.2014	148.58	150.27	201.34	109.95	504.29	146.28	447.59	432.42	335.53	393.26	202.39	208.32	220.89	211.87	231.59	150.24	249.34	178.167	308.07	178.724	269.387	231.396	905.4	349.196
16.01.2014	148.55	148.36	205.29	111.07	501.68	145.25	445.1	428.38	335.56	388.42	205.45	211.74	220.36	212.68	235.13	149.37	249.05	177.473	305.812	177.434	267.369	230.11	892.137	347.678
15.01.2014	148.27	147.13	204.92	110	504.77	142.89	448.4	427.76	331.9	389.97	202.53	209.89	221	211.07	232.63	150.06	249.62	178.571	306.74	178.203	267.583	230.563	899.614	347.515
14.01.2014	147.07	145.16	205.22	111.87	499.54	141.1	444.04	430.25	327.42	392.83	205.98	214.14	219.41	209.05	234.64	148.32	247.54	175.987	305.903	176.192	265.921	228.823	889.399	345.773
13.01.2014	146.28	146.55	202.24	112.48	503.12	141.02	438.86	432.2	324.37	394.83	207.45	212.01	219.68	206.05	230.23	147.95	245.12	176.182	305.62	175.6	262.388	227.988	879.075	346.275
12.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.01.2014	146.34	145.26	202.24	113.23	501.27	139.18	428.77	430.68	316.22	391.69	207.05	210.35	215.72	205.03	219.35	149.21	242.14	174.626	307.468	174.978	263.441	225.716	884.206	348.591
09.01.2014	146.32	143.78	200.15	112.01	495.02	139.55	424.36	424.59	304.47	381.23	205.85	215.99	213.01	201.59	217.28	147.86	241.24	172.231	304.466	174.049	261.629	223.617	889.546	345.682
08.01.2014	146.23	145.82	201.34	113.47	503.91	140.11	432.08	423.21	308.4	378.44	209.31	217.65	214.97	199.84	228.81	148.9	240.39	173.168	303.781	172.928	262.395	224.49	888.421	345.469
07.01.2014	146.05	146.28	199.48	110.04	504.42	142.69	435.16	424.59	308.06	383.25	213.56	222.74	216.38	197.18	233.77	150.28	241.67	171.798	303.601	172.126	264.396	223.966	891.458	346.642
06.01.2014	146.36	146.07	198.88	113.56	503.19	140.93	437.09	427.49	309.07	389.37	213.83	223.94	215.64	199.71	234.15	149.57	241.81	171.283	301.184	170.01	264.213	221.975	883.711	343.25
05.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.01.2014	145.88	145.43	201.27	109.2	502.19	139.77	439.42	427.69	315.66	391.46	213.83	223.94	214.9	199.83	234.04	150.08	240.77	171.835	300.438	169.466	265.622	222.362	887.652	345.093
02.01.2014	145.13	148.03	196.57	104.55	507.51	141.62	448.71	423.07	319.36	389.85	216.62	220.7	220.1	200.75	234.96	152.21	240.53	171.404	297.781	167.285	263.942	220.911	886.918	343.598
01.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2013	144.27	147.92	202.01	103.89	505.26	142.64	448.6	415.16	316.89	375.17	218.22	223.75	217.66	196.95	230.02	156.74	244.79	171.545	301.404	168.854	267.851	222.018	891.195	345.211
30.12.2013	144.77	149.79	202.24	107.65	506.1	142.67	456.82	415.68	322.07	379.91	217.82	222	222.06	195.91	240.73	157.61	247.87	171.164	300.724	168.124	266.86	222.201	887.402	343.232
29.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.12.2013	144.62	148.92	207.68	109.2	506.6	141.76	463.83	419.2	323.86	388.32	218.48	225.14	222.16	197.46	237.52	159.11	248.82	171.083	300.456	168.734	267.139	222.534	892.726	344.536
26.12.2013	143.81	144.7	207.53	108.35	499.76	139.69	455.81	418.61	322.99	385.74	216.62	224.03	220.68	196.66	243.39	158.35	247.21	NA	NA	NA	NA	NA	NA	NA
25.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.12.2013	143.35	144.7	210.29	107.7	499.76	140.18	455.81	415.5	322.99	377.38	215.56	224.12	220.68	197.98	243.01	158	250.52	167.31	298.038	167.292	265.472	220.049	886.785	341.991
23.12.2013	143.62	144.85	209.4	108.73	496.95	138.59	452.76	413.33	326.26	376	215.82	225.32	218.27	198.73	245.73	157.36	249.95	167.193	296.111	166.627	264.344	219.917	883.637	340.624
22.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.12.2013	143.55	147.12	210.22	108.21	496.57	140.12	449.42	415.64	329.11	376.78	218.75	226.8	216.28	198.85	242.9	157.84	252.08	166.649	294.257	166.092	263.126	218.256	880.387	337.2
19.12.2013	142.66	146.16	208.13	106.76	493.83	140.43	440.08	412.15	323.83	371.61	214.76	225.79	210.13	199.14	244.1	156.62	249.81	165.222	296.895	166.398	262.792	216.368	877.262	334.982
18.12.2013	142	148.28	206.56	108.82	498.56	139.87	441.91	426.45	322.73	388.51	211.3	226.52	210.21	199.08	232.41	155.26	248.82	161.198	292.828	164.013	258.707	212.266	853.379	328.781
17.12.2013	142.64	148.34	206.64	107.13	499.25	139.79	440.14	424.76	320.9	384.27	212.23	229.11	211.66	197.46	234.04	153.84	252.79	161.913	291.2	162.846	255.769	209.557	846.983	325.957
16.12.2013	143.24	147.96	208.2	108.21	500.17	140.51	438.96	429.7	320.22	389.33	216.36	229.85	210.79	199.71	233.06	154.59	250.99	161.304	292.984	162.733	258.498	210.743	845.389	328.247
15.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.12.2013	142.55	148.55	206.86	108.17	497.6	140.24	435.97	426.31	321.87	379.7	216.36	232.44	209.41	200.98	236.54	153.32	248.82	158.132	290.09	160.619	256.16	209.428	836.239	324.141
12.12.2013	142.77	147.93	207.83	104.46	495.58	139.97	430.9	422.96	319.81	376.78	216.76	234.29	208.22	202.88	239.31	154.15	248.39	158.098	290.94	161.67	256.173	210.234	842.538	326.584
11.12.2013	142.37	149.83	205.44	102.96	495.21	139.01	434.24	434.12	320.19	394.27	219.55	236.88	208.02	202.36	235.57	154.84	252.2	160.615	291.755	162.299	256.604	211.184	849.21	329.109
10.12.2013	142.23	148.44	206.79	103.47	491.07	135.98	429.33	435.46	317.83	393.47	221.01	236.14	206.31	204.55	230.2	155.54	251.61	162.668	293.223	163.335	258.275	212.221	853.775	330.783
09.12.2013	142.56	147.27	205.15	99.58	489.39	135.42	426.3	426.17	318.24	381.58	220.08	240.48	202.78	207.15	229.97	154.53	253.21	164.314	293.719	163.623	259.826	213.003	862.428	332.816
08.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.12.2013	142.28	145.96	209.02	99.86	488.4	135.51	422.43	424.38	313.75	378.13	220.61	240.67	200.84	205.19	223.66	156.09	250.47	163.187	292.127	163.132	258.814	211.871	854.654	332.097
05.12.2013	142.27	143.96	205.37	99.48	484.66	132.88	420.19	425.38	313.4	379.04	221.94	241.04	199.68	204.44	224.69	155.45	251.52	162.397	291.104	163.195	258.366	210.343	841.973	327.845
04.12.2013	143.78	145.18	206.49	101.74	486.53	133.22	420.6	430.66	311.13	384.08	221.81	244.64	199.42	205.19	215.33	155.75	251.8	163.563	294.062	165.305	261.111	211.456	845.339	332.009
03.12.2013	143.46	142.48	209.4	103.43	477.08	132.47	416.44	421.55	306.56	369.26	223.54	247.04	197.24	205.13	216.2	155.14	249.95	163.822	295.005	165.681	264.534	212.957	849.964	333.429
02.12.2013	143.68	142.79	209.77	103.14	478.23	132.49	417	421.93	308.04	373.6	225.66	244.64	197.56	208.53	216.86	152.55	250.24	168.509	299.542	167.923	268.633	217.331	855.862	336.583
01.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.11.2013	143.68	143.96	207.9	104.04	483.94	133.72	419.79	431.77	308.09	388.01	228.06	247.23	198.73	208.82	215.01	150.74	253.13	169.106	304.418	169.576	269.398	217.091	857.146	338.527
28.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	172.472	305.645	169.045	269.596	215.94	862.147	338.586
27.11.2013	143.52	144.14	206.26	101.45	481.38	132.19	419.23	427.45	302.83	381.21	228.99	245.29	197.11	208.59	211.8	151.25	250	172.784	304.444	168.669	268.466	214.937	861.541	338.404
26.11.2013	142.42	145.55	206.49	102.06	484.66	133.37	423.69	428.69	306.74	385.3	230.05	242.51	198.65	208.41	210.11	152.11	251.75	170.452	303.289	167.728	267.375	211.312	857.927	337.995
25.11.2013	141.21	145.76	209.02	101.88	487.04	132.22	422.12	428.73	308.82	385.94	230.32	243.72	200.64	207.03	208.92	152.39	251.75	170.752	304.568	168.965	270.221	211.391	859.113	341.352
24.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.11.2013	141.19	146.56	208.72	100.89	486.84	130.15	426.33	429.77	309.25	385.45	231.38	242.88	201.54	206.74	207.23	153.27	249.91	169.436	303.928	169.168	270.182	210.381	856.458	342.737
21.11.2013	141.67	146.7	208.35	104.55	481.76	132.04	422.53	429.66	306.27	386.91	232.85	242.05	199.42	208.82	203.37	153.22	244.6	170.061	303.671	168.995	269.514	210.361	859.235	341.444
20.11.2013	141.23	146.57	209.55	103.43	479.84	131.68	424.3	434.7	308.59	389.37	234.04	242.33	199.31	209.63	201.9	150.46	241.24	169.561	302.201	168.385	267.617	210.373	852.661	341.65
19.11.2013	140.93	147.69	208.43	101.88	477.89	130.7	422.88	440.06	310.9	394.67	234.71	243.72	199.95	207.26	196.03	149.71	241.71	169.247	303.111	169.937	268.555	211.788	860.483	339.435
18.11.2013	142.57	146.76	207.31	102.72	478.11	130.96	421.06	439.64	309.96	395.16	236.04	241.22	198.75	207.26	199.4	150.35	243.84	171.706	305.898	171.336	270.224	212.956	867.649	341.329
17.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.11.2013	144.22	147.51	203.58	102.39	480.51	131.78	424.15	444.85	315.47	402.42	233.38	241.96	200.27	208.13	201.63	151.12	242.52	169.585	303.461	170.665	266.937	212.773	858.839	340.158
14.11.2013	143.89	147.55	199.85	99.16	479.33	130.54	424	444.51	311.37	402.36	234.57	242.24	198.83	207.03	198.75	151.06	248.77	167.874	304.143	170.17	269.781	211.507	857.178	336.725
13.11.2013	143.8	147.9	198.73	99.44	478.52	132.44	424.61	438.36	311.95	397	236.7	242.33	198.86	209.28	196.74	150.16	249.05	166.336	302.604	169.659	273.205	210.018	849.141	333.872
12.11.2013	143.24	148.12	195.3	101.55	488.03	131.7	426.3	439.25	310.82	403.35	237.63	241.65	198.58	208.69	198.81	148.34	248.96	168.706	302.765	169.739	270.842	210.276	850.664	336.607
11.11.2013	143.03	148.69	193.51	98.62	491.65	130.95	430.38	442.6	313.57	412.9	238.96	241.35	199.48	208.77	195.94	150.47	246.4	172.529	302.95	170.665	271.325	211.525	847.465	338.707
10.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.11.2013	142.42	149.14	198.11	98.8	491.35	130.74	432.94	443.73	317.34	413.33	240.43	241.94	200.42	206.81	194.77	149.23	245.45	170.367	302.064	170.443	270.507	209.504	854.383	337.128
07.11.2013	141.63	149.41	199.81	98.11	489.91	130.06	433.82	451.9	319.18	419.68	239.89	242.2	199.87	203.62	191.96	147.86	239.87	171.61	299.039	170.549	270.685	209.718	854.77	340.046
06.11.2013	141.66	149.27	203.58	95.26	487.69	129.88	436.43	455.04	321.59	421.62	240.69	241.5	200.95	201.38	190.21	149.42	237.69	170.136	302.358	172.045	272.718	210.618	860.586	341.459
05.11.2013	141.63	149	204.03	97.09	490.95	127.97	435.77	451.69	326.97	419.06	242.82	242.51	202.07	203.46	188.47	148.03	236.79	171.571	300.002	172.513	272.003	209.763	856.401	341.52
04.11.2013	141.51	149.4	197.91	97.33	489.89	127.99	436.38	453.97	327.58	420.3	243.62	245.01	202.33	203.63	187.33	149.52	237.97	169.718	301.301	173.843	269.586	210.579	857.511	341.424
03.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.11.2013	141.44	151.35	197.69	99.06	496.74	129.05	442.47	453.45	332.31	422.95	242.69	246.86	204.32	203.69	191.03	149.54	237.03	167.785	300.2	173.347	269.234	210.255	860.659	340.144
31.10.2013	142.05	152.7	199.63	98.92	497.15	130.06	441.86	457.08	333.32	423.53	243.62	246.77	205.7	205.59	194.73	152.72	239.82	166.301	300.947	173.888	270.264	211.087	860.499	340.304
30.10.2013	142.57	155.57	198.36	100.28	500.07	131.18	447.29	465.92	336.4	445.15	243.62	249.54	207.53	208.41	196.85	153.68	241.76	166.645	299.609	171.484	270.118	210.652	839.458	341.279
29.10.2013	143.89	154.78	198.28	100.38	493.93	132.02	446.98	464.61	333.04	435.64	245.35	251.85	207.4	210.61	197.34	154.24	240.67	163.413	301.382	173.203	270.87	210.331	843.683	339.367
28.10.2013	143.46	155.82	200.15	100.94	492.97	132.54	448.71	466.92	332.72	436.53	251.46	251.76	207.34	211.99	199.08	154.95	240.15	162.38	297.444	170.243	269.667	210.621	840.909	333.702
27.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.10.2013	142.59	154.78	202.31	102.39	492.68	133.27	447.29	467.02	332.61	438.49	253.06	255.36	206.1	208.47	207.29	152.75	244.98	162.023	295.942	169.347	269.893	211.102	840.679	334.378
24.10.2013	142.59	153.1	200.3	103.52	491.67	133.48	440.49	466.26	334.23	442.03	252.26	257.49	204.08	206.57	203.53	152.11	246.92	163.705	296.912	171.568	269.392	211.161	846.991	331.653
23.10.2013	142.59	151.77	202.39	103.75	491.4	135.98	440.59	460.64	332.2	438.06	256.38	259.43	203.79	203.23	202.99	152.19	246.97	160.058	294.353	171.012	268.463	209.774	845.901	330.106
22.10.2013	142.85	154.67	206.49	105.07	502.57	138.95	447.74	463.6	338.89	441.41	258.64	259.06	207.21	204.21	201.52	154.92	245.74	161.156	299.315	174.321	269.867	210.859	847.657	332.53
21.10.2013	141.67	152.26	203.58	105.77	496.4	139.97	444.24	454.35	327.7	431.49	258.24	258.69	204.77	201.67	206.25	156.15	246.31	162.822	300.029	174.644	271.033	208.033	852.844	332.575
20.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.10.2013	141.8	152.2	202.91	107.6	496.49	140.06	440.99	453.94	324.02	424.42	259.31	260.91	204	202.77	211.91	157.67	244.27	161.427	299.691	173.88	271.407	206.29	850.882	331.868
17.10.2013	141.58	152.43	206.34	107.65	495.41	141.25	440.99	456.84	319.49	425.08	252.66	253.6	203.71	203.92	211.31	156.77	244.22	162.25	298.016	172.377	271.851	205.715	854.653	329.088
16.10.2013	143.04	153.03	204.85	108.73	497.57	140.14	438.66	442.78	322.17	413.81	252.79	251.94	203.23	204.73	212.34	159.2	241.43	161.893	297.451	172.184	274.522	206.594	841.909	330.402
15.10.2013	142.48	152.45	205.82	109.29	496.11	141.07	433.84	439.64	319.38	410.44	248.67	253.51	203.37	202.42	213.97	157.49	239.77	160.134	294.754	169.475	273.945	205.017	831.47	328.944
14.10.2013	143.07	154.24	202.31	109.81	497.17	140.9	431.46	440.81	319.49	413.6	253.32	256.01	203.31	199.08	215.66	158.77	240.86	155.212	293.849	168.087	271.544	203.753	825.133	325.355
13.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.10.2013	142.49	155.38	204.77	109.53	493.31	140.5	425.62	437.91	317.58	411.76	251.73	255.91	202.28	199.42	213.65	158.54	239.82	154.39	293.05	166.521	269.839	204.35	816.618	323.495
10.10.2013	142.1	155.11	203.5	107.37	489.39	140.16	419.58

SEOE	SEAI	SEIS	SERE	SEAE	SESO	SETE	SEBE	SEET	SECH	SEAP	BITC	LITC	GREX	DAXP
528.82	376.13	208.22	67.74	35.2	1860.9	293.14	650.52	367.44	862.24	525.12	3389.31226	40.654015	142.0561	107.83
530.75	384.02	209.36	67.29	35.23	1856.17	294.73	644.62	367.32	861.8	526.34	3384.32739	40.057278	142.3212	107.59
533.48	396.06	210.15	67.23	35.52	1866.36	298.87	649.87	368.29	868	527.35	3382.94287	39.927246	142.3965	108.56
530.07	392.65	209.17	66.5	35.27	1866.94	300.84	648.14	366.83	858.82	529.4	3416.38452	40.662876	142.3588	109.26
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3359.55859	39.391998	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3653.83301	45.584129	NA	NA
528.62	389.53	210.79	66.45	35.22	1870.35	298.05	649.51	365.94	859.04	519	3532.99463	43.930153	142.3692	108.07
529.66	387.6	211.28	66.51	35.43	1855.35	293.88	656.69	365.07	853.78	519.04	3486.7019	43.341389	142.3853	109.36
537.73	388.03	211	66.1	35.13	1856.14	294.86	655.41	366.07	853.22	518.71	3525.29785	45.642284	142.5267	111.05
529.8	379.07	211.59	66.54	35.4	1841.85	294.25	651.35	363.62	846.73	506.92	3480.85571	42.210808	142.5541	108.99
534.88	376.11	212.3	66.58	35.37	1844.59	297.67	654.13	364.41	852.91	506.13	3461.66382	42.472282	142.4463	110.04
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3252.19019	38.886711	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3213.19678	38.591393	NA	NA
532.42	379.72	211.9	66.06	35.6	1837.61	299.36	654.69	363.5	848.83	507.15	3205.25024	37.79903	142.4501	108.75
520.61	371.77	211.04	65.85	35.67	1825.07	297.71	645.12	358.61	834.05	496.83	3202.04273	36.864586	142.4142	108.93
518.35	378.95	211.22	66.86	35.38	1811.99	297.43	650.2	359.83	831.86	502.98	3224.06567	37.279881	142.3969	109.32
511.62	372.69	211.45	67.32	35.11	1794.59	292.81	638.31	357.65	825.58	499.12	3223.95776	38.763641	142.3793	107.54
507.46	376.05	212.19	67.58	34.48	1801.59	288.54	641.87	356.01	812.95	486.1	3234.70947	38.28577	142.5509	107.58
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3258.58374	41.350471	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3240.96436	39.541176	NA	NA
500.82	371.03	210.87	67.18	33.1	1786.36	285.15	636.89	353.04	804.53	483.24	3237.05933	38.37096	142.5555	105.6
507.83	376.39	213.02	67.47	32.87	1777.83	286.78	636.43	355.13	810.35	494.43	2998.15723	29.300446	142.2877	107.94
535.1	384.99	214.62	67.24	34.2	1809.44	293.41	636.28	360.48	831.31	519.07	3003.62402	28.976288	142.2472	109.11
533.88	380.63	214.22	67.06	34.32	1778.83	286.09	638.32	359.86	835.02	520.46	3038.1582	30.024923	142.0838	108.9
529.6	377.35	214.05	67.52	34.18	1745.83	284.74	630.19	355.07	822.61	513.8	3024.73291	29.825062	142.2261	108.56
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3023.35962	29.18548	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3073.15015	30.019499	NA	NA
524.01	378.31	213.11	67.49	34.89	1732.56	285.79	625.61	354.76	820.36	520.72	3044.24731	28.651178	142.2397	107.05
528.02	373.23	212.99	67.69	34.31	1727.65	285.01	623.49	353.81	814.23	515.91	3020.30249	27.647448	142.1487	107.43
522.17	377.65	213.59	68.4	34.51	1715.38	286.03	607.41	353.5	822.15	511.23	3035.26514	27.800877	142.0641	107.47
523.19	374.04	212.76	67.75	34.39	1726.69	285.2	603.21	352.25	813.72	510.31	3015.4541	27.195108	142.0253	108.03
514.58	371.42	210.67	66.76	32.54	1749.96	285.55	596.01	349.52	804.69	512.97	3036.35962	27.296793	142.0852	106.97
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3140.37476	28.558788	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3158.25195	29.062834	NA	NA
522.81	375.29	210.56	66.27	32.94	1768.41	289.63	602.36	352.94	813.04	518.76	3156.99829	28.925083	142.2104	107.8
515.18	369.3	209.51	65.68	33.04	1761.4	279.22	604.77	350.79	803.98	506.85	3183.17603	28.974178	142.1166	106.63
512.93	374.48	209.77	65.36	32.55	1748.4	268.04	601.8	350.03	804.82	496.97	3148.84595	28.107607	141.9873	107.28
518.38	365.54	208.25	64.61	32.76	1743.33	267.15	598.8	350.26	812.89	500.63	3172.09619	27.882896	141.8287	106.17
527.32	356.75	208.33	64.63	33.17	1752.27	271.07	598.89	351.6	814.61	503.88	3145.28491	27.453156	141.8717	104.59
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3168.37354	27.43075	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3280.02148	28.634872	NA	NA
530.14	350.87	206.54	65.11	32.77	1766.47	270.19	599.09	352.25	817.5	504.81	3217.80127	27.544714	141.7837	104.07
518.9	347.31	204.71	64.37	32.08	1721.84	262.2	590.35	346.1	797.41	492.04	3228.88892	27.990519	142.3432	101.03
522.06	345.49	204.73	64.12	31.9	1702.48	264.43	584.52	345.98	795.52	496.3	3206.82983	27.921228	142.4306	102.88
520.2	336.55	203.83	63.29	32.05	1692.7	264.18	591.52	344.12	792.45	493.09	3180.91797	27.604069	142.5197	100.04
518.36	343.56	203.71	63.35	31.87	1672.98	262.88	586.68	343.07	788.88	491.04	3230.38037	28.205061	142.4804	106.97
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3100.22168	26.467758	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3192.19678	28.235172	NA	NA
518.95	343.56	204.45	63	31.97	1692.42	265.48	591.11	344.71	794.34	486.77	3215.76978	28.193087	142.3498	109.37
521.8	338.45	201.42	62.23	32.03	1695.86	265.82	581.54	344.37	796.39	491.71	3197.25781	29.432068	142.2597	109.24
521.56	342.42	202.27	62.36	32.4	1689.57	268.38	578.1	343.26	793.99	493.54	3492.60547	33.742527	141.6356	109.78
510.5	344.94	202.85	62.6	31.73	1664.04	260.96	581.8	341.35	788.57	481.61	3518.60791	34.462635	141.6849	108.07
499.96	342.15	200.8	61.19	31.32	1639.35	260.34	577.39	338.42	784.12	474.94	3506.49439	32.93399	141.9421	107.84
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3572.60181	34.439883	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3374.29273	30.658323	NA	NA
489.71	339.5	199.25	61.09	31.3	1627.05	253.45	583.59	338.62	782.98	472.03	3385.29761	28.435921	142.0519	108.2
467.73	330.92	196.18	59.88	30.9	1581.92	246.83	571.52	329.39	756.85	451.92	3368.35571	28.116913	142.1129	105.34
467.02	338.87	196.24	59.9	31.43	1644.01	258.43	574.63	332.57	771.43	457.07	3483.44605	29.533945	142.1635	107.05
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3353.50586	27.902777	NA	NA
461.65	344.23	195.83	60.49	30.77	1644.19	259.11	579.84	332.89	774.14	463.83	3256.92773	26.513691	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3379.53833	27.95323	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3339.22437	27.589357	NA	NA
457.67	342.29	195.05	59.91	30.68	1637.47	258.04	575.94	331.38	769.77	461.34	3429.69702	28.416059	141.8351	105.36
443.16	332.8	192.93	59.46	30.44	1611.38	249.42	571.1	324.79	756.04	455.37	3197.24829	24.752035	141.7575	106.21
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3395.22803	27.274069	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3342.62158	27.275726	NA	NA
451.66	336.84	198.6	60.72	31.19	1620.22	251.58	580.31	330.32	769.27	469.85	3576.9519	29.113644	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3516.36328	29.421595	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3530.07202	28.01409	NA	NA
454.99	338.77	198.73	61.21	31.26	1621.24	253.46	586.03	331.63	770.07	470.23	3426.8894	27.084671	141.6911	107.52
454.55	337.06	199.76	61.55	31.16	1637.33	254.66	588.52	331.6	765.34	469.09	3608.39136	28.641386	141.7112	108.38
466.71	339.5	201.35	62.02	31.87	1668.81	262.84	593.84	336.48	774.67	478.75	3289.63403	26.066948	141.6011	109.5
462.91	338.69	200.56	61.77	32.43	1643.96	265.4	588.7	335.44	769.73	475.94	3249.05029	26.496704	141.7398	109.3
468.26	334.35	200.49	62.38	33.12	1663.35	267.98	593.72	338.16	771.16	476.49	3124.26856	25.788877	141.6395	109.97
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2876.57666	22.63633	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2862.23926	21.030582	NA	NA
486.12	345.62	202.87	63.13	33.28	1692.72	269.46	600.89	342.13	780.85	479.43	2867.30005	20.749296	141.6446	109.33
492.34	344.02	202.56	63.31	33.44	1714.94	271.09	605.53	344.33	785.78	485.78	2916.66235	20.833073	141.4671	109.92
497.64	344.39	202.93	63.79	32.27	1722.73	272.82	606.84	344.94	787	484.4	3065.84522	21.535809	141.7356	109.36
497.9	338.59	200.41	62.46	31.63	1692.34	266.84	594.69	339.16	780.84	474.15	3024.58936	21.022219	141.576	106.62
489.08	330.94	201.06	62.1	31.17	1658.5	260.66	585.88	334.14	766.75	463.42	3084.09204	21.675997	141.7654	106.32
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3168.8523	22.749571	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3053.36694	21.840181	NA	NA
507.56	344.23	202.47	63.32	31.93	1668.92	262.87	591.87	340.76	782.23	475.68	3004.02148	22.19906	141.7969	107.62
495.19	346.14	201	62.58	31.3	1660.74	262.2	589.83	338.61	777.13	476.31	3095.35132	23.685795	141.8326	103.07
519.07	356.09	201.87	63.58	32.04	1705.4	269.4	607.04	349.41	806.8	496.66	3308.42578	25.818129	141.8348	105.41
530.69	350.44	201.68	63.24	32.23	1731.87	275.54	612.32	353.4	816.26	501.17	3488.16821	27.491879	141.5968	106.35
538.44	364.39	201.48	63.51	32.51	1753.54	280.37	609.37	356.18	820.26	514.13	3429.27295	27.363516	141.3857	110.53
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3650.52368	29.728088	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3722.87866	30.333652	NA	NA
520.56	366.53	204.19	64.22	31.64	1717.12	271.37	612.47	352.52	813.2	499	3549.29688	28.329538	141.4703	109.9
523.83	366.24	204.87	64.94	31.35	1728.59	272.98	609.49	353.16	808.07	503.39	3756.4978	29.671556	141.3665	113.57
516.64	366.96	203.94	66.9	31.68	1717.1	270.18	610.87	352.47	800.96	501.11	3744.87769	30.457973	141.3148	114.7
522.33	373.89	203.14	67.01	31.27	1699.69	269.84	614.04	352.4	801.95	503.32	3381.91797	27.50061	141.2531	114.07
522.62	380.72	202.68	66.78	30.86	1702.22	268.93	611.02	353.29	813.71	516.06	3334.84033	25.953325	141.1905	114.57
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3537.53149	27.252605	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3422.34522	25.766359	NA	NA
500.35	376.98	201.14	66.41	30.15	1685.92	265.24	609.17	348.96	807.47	504.05	3833.60767	28.360836	141.237	112
515.11	369.37	199.96	65.78	30.01	1670.49	261.3	607.48	347.8	805.28	502.31	3828.59766	28.232656	141.1831	110.42
520.79	365.1	200.76	65.98	30.04	1677.58	265.27	608.99	350.11	817.63	505.17	4041.60278	30.447548	141.1341	110.7
515.41	354.63	198.23	65.13	29.42	1650.7	258.95	606.49	346.1	806.01	494.31	3914.93433	29.058771	141.2274	110.77
531.6	361.26	201.68	65.96	29.46	1676.49	264.57	609.16	350.22	827.17	499.66	4253.27832	31.991198	141.0856	112.53
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4927.89697	37.091854	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4864.48242	36.721329	NA	NA
541.75	363.66	204.21	66.43	29.98	1722.34	269.1	612.13	352.82	831.28	500.37	4882.03516	37.17765	141.1809	112.85
545.1	363.48	203.7	66.66	30.17	1722.22	273.55	609.47	353.54	834.03	505.29	4987.66797	38.80991	141.2847	111.44
541.74	380.05	206.11	68.77	30.32	1720.84	275.81	605.21	357.37	834.57	513.51	5072.28272	38.548763	140.9944	111.9
551.37	383.45	205.48	68.8	30.64	1723.52	278.68	607.33	359.52	846.07	509.88	5621.90381	43.93269	141.0518	112.94
560.88	373.01	205.09	68.14	30.77	1697.27	272.26	603.81	357.29	841.01	500.11	5675.68652	45.118683	141.0543	112.52
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5661.89502	45.361164	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5653.57275	46.223629	NA	NA
559.1	381.12	205.42	68.95	31.09	1777.54	281.47	606.41	361	846.78	506.07	5632.30225	45.773777	140.7812	115.28
575.42	374.26	204.5	68.66	31.3	1771.86	282.35	601.43	362.43	848.4	515.77	5676.85986	46.069004	140.603	115.44
573.22	374.82	203.95	68.27	29.89	1772.1	284.35	603.14	361.78	853.88	521.8	5710.90772	47.390686	140.8462	116.91
570.51	364.16	200.38	67.66	27.96	1754.54	282.78	596.99	358.12	845.48	522.07	5651.39356	48.934731	140.9258	115.9
574.04	366.15	198.62	67.32	26.19	1758.83	279.43	598.13	359.03	845.93	524.76	5626.59424	46.931351	140.813	115.03
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5593.52393	47.032101	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5586.4585	44.764839	NA	NA
569.24	367.96	199.27	67.65	26.43	1779.63	284.26	593.62	359.69	847.04	529.79	5610.32813	45.078621	140.7822	114.24
569.25	361.28	199.59	67.7	26.92	1758.97	281.82	597.64	358.48	844.17	521.35	5592.87305	44.084988	140.9115	113.56
583.03	346.4	199.29	67.04	26.45	1764.06	277.39	591.42	357.04	844.44	518.59	5583.19434	43.693974	141.1071	113.81
567.29	341.49	197.82	66.9	26.07	1720.63	270.77	585.43	350.91	827.77	515.1	5583.55762	43.403481	141.0436	111.97
573.93	349.3	196.86	66.78	27.03	1718.17	268.58	588.39	350.88	829.65	514.38	5566.75537	43.136658	141.2146	110.3
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5690.88623	45.56778	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5678.75684	45.508011	NA	NA
568.85	347.97	197.33	66.41	26.18	1723.21	265.02	588.56	347.69	824.41	499.43	5673.82324	45.654266	141.2179	109.34
579.59	346.64	196.72	66.88	26.54	1746.73	265.8	585.33	350.32	829.56	504.03	5692.96338	45.916668	140.9889	110.54
577.34	339.2	196.79	66.53	26.48	1720.37	262.18	604.06	348.64	815.06	489.42	5700.39209	46.084274	141.0018	109.91
567.17	336.9	197.13	66.32	26.05	1733.79	271.93	599.26	349.47	820.93	501.35	5644.21631	45.794682	140.7736	109.56
587.53	333.61	201.18	67.53	26.67	1787.99	282.18	609.31	355.32	838.24	505.63	5653.89746	45.498413	140.527	113.52
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5632.01514	45.974464	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5628.98291	46.289028	NA	NA
603.2	329.07	201.09	67.83	26.58	1793.19	282.63	611.31	356.88	836.26	506.79	5608.35547	45.991756	140.9772	112.98
602.36	341.38	201.05	67.68	26.93	1790.44	284.77	603.33	357.49	845.67	521.09	5654.04492	45.854984	140.4917	115.47
611.85	342.24	200.97	67.48	27.05	1859.17	288.47	596.1	359.3	851.76	525	5691.61865	46.678036	140.4846	114.86
619.21	346.46	197.28	66.73	26.73	1867.73	283.27	600.74	360.67	855.31	534.66	5699.34912	46.717464	140.2959	113
612.13	338.38	192.02	65.06	26.05	1809.96	273.53	590.96	354.97	843.27	524.15	5694.49609	47.375088	140.3921	111
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5445.26514	45.172054	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5435.49561	46.219772	NA	NA
616	342.65	192.78	65.65	25.71	1817.61	272.67	592.73	354.75	842.81	522.07	5425.6294	46.306156	140.1162	110.31
610.59	338.78	194.56	66.54	25.25	1801.52	272.13	592.64	355.34	844.48	519.93	5397.44629	44.200249	140.2837	110
630.38	344.66	197.28	67.45	25.49	1825.82	273.44	604.99	362.53	861.53	526.91	5710.78711	50.280193	139.9612	111.77
639.75	353.67	201.04	68.25	26.02	1907.71	286.31	618.85	368.48	890.86	543.19	5772.57373	51.022915	139.8866	113.13
621.45	352.32	199.26	67.47	25.84	1887.85	284.62	618.31	367.8	896.93	543.74	5788.3252	51.696865	140.0695	112.24
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5730.56201	50.476105	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5715.35889	50.179756	NA	NA
633.72	353.36	198.97	67.49	25.92	1929.56	289.6	619.59	372.01	905.1	551.72	5745.00147	50.979679	139.9417	114.78
646.11	354.53	201.79	67	26.45	1971.09	295.67	622.25	375.33	912.29	557.24	5711.3291	50.611084	140.0709	116.08
650.37	357.81	206.65	68.82	26.56	1983.18	299.24	635.38	379.38	929.38	564.49	5666.68213	50.088768	NA	NA
650.43	354.377	205.904	68.686	26.743	1982.697	299.873	625.998	377.506	926.685	563.973	5636.49023	50.009998	140.7691	116.58
646.316	361.019	207.237	69.541	27.245	1993.626	298.491	628.879	379.447	929.393	563.229	5645.47022	51.439999	140.264	116.98
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5682.7002	51.990002	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5698.85986	52.5	NA	NA
641.082	383.181	207.103	69.416	28.015	1979.837	293.13	625.79	378.622	919.273	560.879	5676.24023	53.09	140.3401	117.27
647.24	381.666	207.186	69.954	27.585	2002.015	296.095	628.596	381.674	926.57	568.84	5714.75	53.389999	140.1261	118.69
649.364	385.244	207.066	70.096	27.488	2002.944	295.391	626.827	380.423	928.744	566.36	5743.60986	54.200001	140.0124	119.66
651.497	381.573	206.476	69.564	27.659	1989.072	297.601	624.083	379.398	930.196	565.049	5502.37988	48.889999	140.1439	119.05
634.916	394.056	206.907	69.872	27.981	1941.072	295.593	623.47	377.694	933.574	578.143	5474.56006	49.029999	140.4687	118.1
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5598.93018	49.349998	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5708.27979	52.290001	NA	NA
628.038	400.214	208.53	69.973	28.27	1951.533	295.739	628.35	379.716	942.344	587.072	5712.06982	51.650002	140.5418	119.47
630.418	402.21	209.49	70.713	27.496	1921.837	295.86	624.437	378.224	937.224	585.487	5746.66016	51.889999	140.4425	117.89
631.106	405.361	208.447	70.594	27.387	1933.958	293.556	617.416	375.78	928.739	575.947	5520.62012	48.16	140.3901	117.32
627.857	402.178	211.589	70.849	27.364	1947.342	294.093	621.89	374.592	913.898	567.674	5478.58984	46.509998	140.6332	117.19
616.651	400.912	211.717	70.542	27.214	1940.702	290.081	621.495	374.06	908.65	561.864	5430.68018	46.310001	140.6338	116.98
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5365.4502	44.849998	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5602.4502	49.110001	NA	NA

610.487	395.752	211.235	70.327	27.222	1962.04	291.417	623.407	373.473	909.534	561.156	5623.45996	48.759998	140.7705	116.27	
606.238	392.169	211.393	70.418	27.095	1948.195	288.833	621.179	372.18	905.164	554.395	5581.97998	48.439999	140.8928	115.31	
621.518	392.481	212.512	70.512	27.958	1957.196	281.942	622.169	372.758	899.971	548.72	5554.66992	46.599998	140.8646	113.21	
596.982	388.142	210.592	70.186	28.378	1936.206	290.463	623.127	370.937	895.814	542.774	5453.18994	44.450001	140.8719	113.93	
590.71	390.948	210.433	70.091	28.782	1926.395	294.021	628.042	371.078	893.928	547.89	5420.77002	44.709999	140.938	115.28	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5449.35986	46.860001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5406.95996	47.32	NA	NA	
585.755	393.622	210.44	70.038	28.59	1907.126	293.474	626.486	369.381	896.076	546.415	5370.16016	46.299999	141.2157	119.36	
591.895	395.752	209.974	70.075	28.299	1878.974	294.734	624.219	369.141	893.238	545.272	5539.5	48.209999	141.0712	120.42	
607.388	400.606	211.159	70.495	28.169	1891.771	300.601	628.442	371.359	897.317	547.716	5599.91016	49.5	141.1658	121.2	
621.191	402.191	211.454	70.501	28.475	1956.396	308.571	638.323	375.315	908.536	552.051	5762.27979	49.73	141.327	122.58	
623.401	406.976	211.418	70.724	28.948	1985.261	314.604	638.11	377.927	922.568	557.509	6331.66992	58.380001	141.3775	123.44	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6246.7002	56.34	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6289.41992	57.080002	NA	NA	
618.583	405.039	213.215	71.674	29.267	1981.643	313.062	638.693	377.685	921.084	563.287	6186.70996	57.009998	141.2408	123.98	
623.275	409.398	213.19	71.846	29.323	1997.774	314.751	644.274	380.681	931.177	572.095	6039.08008	53.439999	141.0164	124.41	
617.889	417.483	213.081	73.009	29.484	1995.802	316.109	649.839	381.713	932.325	572.072	5986.50977	51.68	141.0716	125.46	
621.076	416.053	211.845	72.219	29.825	1990.038	315.483	648.559	380.682	927.265	571.05	6012.56982	52.599998	141.2077	126.41	
625.282	413.859	211.498	71.934	29.452	1997.059	317.126	651.393	380.763	924.627	566.143	6056.91992	54.07	141.211	127.55	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5906.56006	51.869999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5774.14014	49.07	NA	NA	
622.606	411.899	210.379	71.767	28.711	1979.122	311.502	651.723	378.822	914.613	553.932	5794.06006	49.810001	141.3782	126.53	
621.57	411.397	211.397	71.936	28.64	1970.777	308.397	653.974	378.64	912.558	550.625	5764.75977	49.849998	141.3256	126.74	
618.261	405.835	210.236	72.002	28.594	1950.527	306.512	655.386	379.204	913.577	558.921	5656.7002	49.66	141.5079	126.36	
605.51	410.714	208.997	72.091	28.543	1948.003	307.057	661.843	379.271	913.565	574.298	5490.22998	47.549999	141.5938	125.01	
586.954	410.162	208.113	72.308	27.691	1949.811	304.862	665.122	378.274	911.558	568.657	5598.02979	48.689999	141.6877	124.69	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5459.1001	46.580002	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5676.22022	50.59	NA	NA	
583.009	404.484	207.954	72.213	27.046	1941.006	302.318	662.712	376.153	901.88	563.5	5607.04004	50.34	141.7553	122.79	
590.23	406.985	207.614	72.105	26.437	1942.124	305.065	663.044	376.503	904.36	565.667	5757.62988	54	141.653	122.97	
587.737	401.362	205.88	71.552	26.876	1910.088	304.381	658.069	374.83	899.556	564.017	5563.72998	48.849998	141.5526	121.84	
609.544	402.699	206.641	71.862	26.311	1931.089	312.888	663.037	379.935	916.254	574.743	5537.22022	47.950001	141.5454	124.15	
610.818	399.742	208.118	72.289	26.723	1923.65	312.568	658.335	379.979	913.15	578.239	5467.2002	48.02	141.5883	124.16	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5502.18018	49.599998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5553.06006	52.150002	NA	NA	
614.521	397.911	208.072	72.637	26.877	1904.751	312.268	658.474	380.97	911.805	579.88	5472.47022	50.880001	141.4336	124.24	
615.791	404.549	207.775	73.276	27.303	1924.02	319.23	663.042	384.986	928.568	590.837	5397.02002	51.810001	141.1452	126.66	
613.82	406.09	207.48	73.192	27.028	1918.185	320.45	664.106	384.651	924.882	589.795	5684.66992	54.849998	141.0684	127.46	
621.121	402.658	207.258	73.372	26.671	1903.532	319.198	667.043	385.409	925.726	586.345	5416.27979	53.450001	141.0549	122.38	
611.929	399.216	207.916	73.414	26.896	1912.062	318.581	668.719	383.675	924.955	581.84	5797.47022	58.110001	141.0171	120.56	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6012.9502	63.619999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6087.52979	64.660004	NA	NA	
604.765	396.225	208.758	73.81	26.938	1912.005	317.747	669.53	384.113	932.395	579.331	6057.4502	63.34	140.9265	118.56	
605.287	398.477	206.766	73.089	26.77	1896.94	316.51	663.389	381.725	931.926	574.888	6405.06006	67.160004	140.6428	118.12	
616.578	407.288	206.157	73.059	27.154	1897.01	316.245	664.499	384.911	940.807	580.688	6513.6001	65.779999	140.6642	119.33	
619.287	414.109	206.337	73.589	27.316	1902.304	316.664	662.133	386.595	938.752	594.953	6515.75	66.589996	140.8304	121.01	
634.168	403.851	206.885	73.393	27.09	1901.403	319.003	661.888	385.95	936.831	595.784	6618.52002	67.510002	140.8664	121.48	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6977.33008	70.260002	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7040.43018	72.019997	NA	NA	
631.854	406.173	207.972	73.224	26.896	1947.344	321.246	674.519	387.044	941.573	594.753	7054.47998	72.040001	141.0732	123.12	
609.338	399.459	207.714	73.052	27.99	1943.395	321.519	673.122	385.442	940.985	595.987	7012.70996	72.610001	141.1044	120.15	
596.993	393.123	206.098	73.137	27.31	1906.474	323.355	684.122	382.431	929.925	581.58	6814.49023	71.779999	141.2634	121.82	
598.342	395.923	204.661	72.802	27.405	1907.589	328.26	678.46	383.388	933.011	598.607	6958.08984	73.650002	141.1098	122.16	
589.427	398.543	203.105	72.515	27.421	1885.076	326.845	679.054	380.136	922.233	583.793	7192.22998	76.470001	141.2608	121.52	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6600.04981	70.809998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6302.47998	70.580002	NA	NA	
589.857	411.871	203.774	73.061	27.629	1893.496	329.583	683.847	380.876	927.129	585.278	6303.27002	71.870003	141.5584	122.71	
587.796	416.146	204.376	73.062	26.514	1908.351	328.638	677.284	381.51	934.287	597.511	6249.72998	70.160004	141.4798	122.77	
591.075	419.532	205.164	73.435	26.51	1954.769	329.305	674.565	382.354	942.837	596.882	6418.25977	74.290001	141.5619	122.82	
585.154	414.56	204.531	73.176	26.403	1943.4	312.184	672.156	380.367	931.301	590.265	6328.06982	74.150002	141.4457	120.98	
593.915	413.177	204.449	73.356	25.917	1923.896	311.06	670.027	379.428	921.685	585.744	6265.60986	76.68	141.5063	120.97	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5746.08984	71.690002	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5443.00977	67.629997	NA	NA	
608.448	409.742	203.447	73.559	25.829	1923.52	310.265	673.574	380.386	921.088	589.071	5360.04981	66.360001	141.6316	120.74	
609.117	407.251	202.419	73.236	25.922	1909.036	309.022	671.224	379.752	916.554	584.724	5328.79981	65.970001	141.3734	120	
611.495	401.541	202.363	73.234	25.816	1880.831	305.643	665.648	376.911	911.079	581.362	5351.12012	66.190002	141.4653	120.08	
617.463	406.125	203.012	73.891	26.403	1911.279	311.082	667.065	381.689	924.56	592.122	5469.22022	67.389999	141.3611	121.15	
601.775	410.571	201.87	73.615	26.263	1890.275	307.007	663.585	379.934	917.718	589.436	5377.8999	64.910004	141.4335	121.77	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5667.04004	68.529999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5708.93018	70.25	NA	NA	
584.684	403.723	202.051	73.716	25.682	1859.142	303.627	664.209	377.622	914.025	588.22	5746.56006	72.290001	141.507	120.75	
592.481	403.659	199.856	73.495	25.669	1857.131	302.693	658.232	376.887	908.203	592.497	5622.74023	70.919998	141.2822	120.77	
600.188	407.3	201.392	73.767	26.103	1843.705	298.192	658.213	375.436	895.743	573.24	5586.25	71.309998	141.5808	119.2	
602.663	406.624	200.442	73.198	25.962	1864.358	302.776	657.643	375.307	905.032	573.583	5648.50977	73.120003	141.4541	119.73	
598.657	404.28	199.754	72.963	25.475	1856.693	302.494	652.92	372.38	900.417	570.48	5579.93994	72.809998	141.5243	118.56	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5692.24023	73.389999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5446.8999	68.5	NA	NA	
612.406	411.544	199.389	73.61	26.08	1869.519	308.062	655.088	375.53	906.484	572.755	5464.7002	69.279999	141.2907	119.22	
606.611	406.748	197.527	73.247	25.729	1846.053	301.778	652.456	372.585	894.353	572.999	5304.58008	67.639999	141.4998	119.15	
617.709	414.275	199.534	73.47	26.061	1888.662	311.615	650.934	375.713	904.591	585.832	5070.31982	64.43	141.5167	119.28	
593.871	416.988	199.25	73.512	26.138	1862.574	309.865	645.889	373.066	892.781	584.431	5305.41016	69.870003	141.3771	119.7	
592.279	427.002	199.687	73.709	26.72	1862.467	307.429	645.542	372.95	895.391	585.076	5215.2002	65.279999	141.4699	120.48	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5344.79981	69.830002	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5280.81006	69.339996	NA	NA	
614.345	445.261	201.853	74.342	27.256	1901.861	320.369	657.592	380.665	915.894	599.675	5291.81982	71.389999	141.353	122.74	
586.033	442.772	200.611	73.789	27.159	1910.523	321.264	651.134	376.538	908.171	602.682	5210.14014	73.120003	141.317	123.45	
592.652	441.665	201.265	74.366	27.339	1931.538	325.798	651.315	379.923	917.281	622.749	5793.58984	83.43	141.133	124.13	
593.682	438.36	200.159	73.939	27.811	1915.686	325.25	651.499	378.931	918.355	626.077	5837.29004	84.459999	141.3099	124.33	
595.141	435.453	201.52	74.491	27.959	1933.537	331.9	654.663	381.639	931.203	635.438	5821.74023	85.279999	141.0223	124.3	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5770.27979	84.949997	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5584.56982	81.879997	NA	NA	
591.677	434.745	202.787	75.055	28.118	1949.639	335.309	666.648	384.649	940.488	641.433	5626.18018	83.870003	140.9794	125.54	
612.193	440.864	203.556	74.676	27.95	1965.769	338.88	662.272	388.7	948.381	644.858	5515	82.709999	140.2845	125.78	
602.868	437.715	201.705	74.16	27.755	1935.853	332.676	658.923	384.091	938.888	634.078	5746.04004	87.339996	140.4599	124.85	
610.573	431.27	201.542	74.002	27.962	1914.933	324.082	653.798	383.425	936.738	634.835	5345.66016	79.519997	140.2698	125.1	
614.907	430.763	201.378	74.217	28.062	1912.213	324.741	650.114	383.779	937.775	635.516	5587.79004	85.269997	140.5624	125.38	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5852.52979	91.419998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5751.72022	90.980003	NA	NA	
614.659	427.008	201.146	74.502	27.625	1897.429	321.21	641.862	381.037	926.851	637.376	6371.27979	99.93	140.8765	124.08	
617.79	431.541	199.961	74.436	27.95	1890.231	323.491	636.815	381.808	926.826	644.41	6476.91992	102.110001	140.2665	123.5	
601.172	436.16	201.407	74.905	28.158	1883.389	326.17	643.952	382.677	929.721	642.963	6519.54981	103.080002	140.8068	125.01	
601.582	435.315	201.967	74.838	28.329	1882.755	323.831	653.319	382.66	926.35	639.879	6495.83008	103.080002	140.945	124.21	
605.371	442.634	201.625	74.43	28.311	1865.394	317.237	655.197	383.787	923.001	635.961	6503.14014	104.010002	140.9516	124.23	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6407.54004	102.32	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6616.41992	107.160004	NA	NA	
620.132	434.888	199.073	73.878	28.514	1854.704	315.213	642.721	382.593	922.122	636.005	6547.54004	105.800003	141.0646	124.5	
608.788	429.231	199.732	74.003	28.106	1839.673	311.371	646.813	378.827	909.272	633.266	6448.54004	102.870003	141.1118	121.96	
610.119	432.751	200.02	73.7	27.764	1824.749	315.577	647.605	381.083	917.557	639.856	6408.47022	101.209999	141.6476	121.15	
600.308	439.99	197.729	73.401	27.716	1814.612	315.319	649.749	379.952	913.254	635.667	6342.9502	100.849998	142.262	122.35	
596.129	445.594	198.783	74.466	28.136	1843.511	317.983	656.412	385.2	925.302	650.089	6471.16016	103.550003	141.0184	124.09	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6118.18018	95.669998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6283.5	100.940002	NA	NA	
600.663	444.066	199.799	74.62	28.783	1857.111	319.907	654.164	386.42	931.959	654.818	6297.91016	101.639999	140.675	124.84	
614.484	435.924	196.766	74.089	28.861	1833.939	317.58	648.521	385.939	927.152	652.887	6415.95996	102.269997	140.2134	125.9	
625.215	438.172	197.649	74.252	29.61	1826.567	316.601	641.664	387.971	929.118	664.494	6473.3999	104.720001	140.3586	125.36	
643.563	446.888	198.569	74.702	30.277	1828.13	321.299	641.106	392.326	945.062	676.705	6413.3999	101.809998	140.0179	126.19	
641.13	438.604	198.875	74.714	30.091	1820.909	320.939	640.593	391.296	942.893	670.653	6786.70996	108.949997	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7127.43994	114.230003	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7233.77979	118.610001	NA	NA	
640.698	429.528	198.4	74.779	30.043	1819.815	319.155	638.039	390.102	939.833	668.091	6997.04004	114.68	139.586	126.1	
642.645	434.425	198.082	74.767	30.11	1829.262	323.283	639.994	391.129	941.759	675.51	7006.31006	115.5	139.5521	126.05	
635.778	430.86	197.961	74.43	29.118	1814.992	320.644	639.585	388.601	934.161	665.943	6847.06982	112.809998	139.6073	125.82	
612.954	432.271	198.589	74.688	29.147	1800.822	319.28	633.908	387.823	924.838	667.171	7063.91992	117.93	139.5768	127.69	
604.105	433.626	199.475	75.306	29.001	1812.207	320.677	634.343	387.624	919.436	665.203	7173.58008	118	139.6787	132.16	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7264.41992	123.470001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7280.29981	120.830002	NA	NA	
605.731	434.383	199.96	75.607	29.102	1822.708	319.776	634.127	387.793	919.654	666.802	7099.5	118.57	140.0225	131.64	
589.709	429.951	199.121	75.47	29.21	1823.451	319.651	633.901	387.281	922.014	666.147	7036.99023	114.199997	139.9567	131.85	
601.883	432.669	200.065	75.798	29.218	1811.967	318.434	640.696	387.845	916.123	665.843	7540.29004	124.529999	139.8231	131.3	
582.518	439.381	199.774	75.493	28.87	1802.653	314.05	639.476	385.293	911.336	670.028	7825.16016	132.070007	140.0666	131.26	
593.594	434.205	199.12	75.139	28.761	1793.587	313.695	636.691	384.763	908.06	670.98	7735.12012	134.009995	140.0718	132.86	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7847.4502	137.759995	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8026.33984	143.229996	NA	NA	
583.767	435.21	197.471	74.77	27.728	1786.693	307.441	633.989	382.286	903.589	666.108	8191.5	148.660004	140.0915	131.75	
578.166	425.472	197.116	74.743	27.792	1766.383	300.751	626.869	380.019	899.19	662.886	8088.58008	141.050003	139.9442	131.28	
591.611	432.346	197.615	74.799	27.804	1765.742	300.556	627.129	382.676	909.744	667.914	8097.91016	134.190002	139.8263	133.64	
578.143	423.656	197.38	75.158	27.527	1744.344	296.339	631.857	380.217	900.88	656.326	7691.22998	126.279999	NA	NA	
579.212	420.73	197.686	75.258	27.346	1744.244	296.503	631.439	380.52	900.993	656.345	7546.18994	123.120003	139.8521	134.05	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7647.27979	122.559998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7749.02002	126.529999	NA	NA	
581.188	420.671	196.227	74.769	27.677	1744.858	298.147	632.861	379.882	902.086	656.621	7692.66992	125.199997	139.9102	132.9	
583.997	420.117	194.921	74.565	27.455	1722.63	299.55	632.167	379.048	894.285	657.105	7363.41016	120.18	139.6769	132.31	
568.033	421.396	192.488	73.89	27.327	1700.415	298.584	624.587	375.572	884.424	651.224	7651.6001	126.599998	139.5066	131.2	
579.343	428.726	193.291	74.049	27.235	1727.162	298.964	623.508	378.517	897.172	661.195	7277.75977	118.980003	139.6013	132.54	
576.202	428.65	193.869	73.773	27.693	1693.376	300.135	622.83	378.641	898.568	660.26	7896.49023	134.929993	139.5428	132.29	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7313.3999	124.339996	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7171.25	119.220001	NA	NA	
568.201	425.815	194.303	73.86	27.629	1680.909	298.415	629.462	377.293	897.92	658.803	7255.54004	120.93	139.7629	131.86	
573.616	429.922	194.694	73.609	27.845	1697.534	296.98	630.51	377.447	895.742	661.875	7212.58008	126.900002	139.9242	131.68	
572.509	433.935	195.152	73.732	27.532	1707.724	303.065	632.796	377.19	896.519	660.847	6714.29981	118.870003	140.2996	131.49	
558.984	436.844	194.314	74.1	27.507	1700.362	306.659	635.09	376.007	893.022	667.143	6602.16992	113.43	140.1634	132.04	
553.454	439.587	192.652	73.283	27.719	1674.637	299.394	631.803	372.999	880.086	657.211	6389.52002	107.290001	140.0703	132.7	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6498.9502	103.970001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6777.35986	107.349998	NA	NA	
556.788	434.906	193.382	73.393	27.673	1689.867	300.289	635.598	374.356	882.735	663.468	6489.91992	102.739998	140.1794	131.47	
555.019	437.58	191.877	73.044	27.47	1693.971	301.484	635.845	373.896	880.489	661.902	6385.6001	101.769997	140.2676	131.19	
540.477	426.884	191.738	72.719	27.863	1674.355	296.961	637.67	371.264	871.161	655.058	6421.45996	105.120003	140.211	130.28	
523.11	436.746	192.846	73.025	28.682	1684.47	297.604	646.065	373.403	880.606	659.653	5608.91016	95.209999	140.2642	129.9	
500.389	437.931	193.433	73.203	28.881	1676.175	292.544	646.451	370.319	874.971	647.662	5534.75977	92.459999	140.3162	131.31	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5506.3999	93.330002	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5724.27002	95.959999	NA	NA	
507.754	433.996	193.49	73.233	28.707	1662.369	291.113	645.976	369.923	876.749	651.168	5610.66016	94.269997	140.28	132.17	
521.165	431.187	193.172	73.239	28.234	1660.147	294.456	645.945	371.101	880.385	661.729	5392.54981	92.059998	140.1963	133.29	
497.942	418.376	191.415	72.661	27.596	1611.722	284.344	632.994	362.498	854.513	646.896	5524.89014	96.839996	140.3878	131.56	
501.539	423.516	191.84	72.32	28.776	1625.72	291.669	626.89	364.304	863.362	653.059	5530.79981	96.379997	140.4252	132.68	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	653.488	6053.66992	109.43	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5741.43018	96.800003	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5528.66992	92.919998	NA	NA	

NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	653.488	5623.97998	94.160004	NA	NA				
505.291	426.587	192.893	72.101	27.98	1637.215	292.731	631.339	366.002	867.878	653.488	5540.97998	95.959999	140.3588	134.15					
500.637	416.947	191.241	71.75	27.932	1627.218	292.233	628.794	364.425	865.7	633.099	5746.79004	93.010002	140.4794	135.24					
511.617	422.697	190.644	71.053	28.307	1633.69	303.066	617.451	363.066	870.421	637.358	6451.72022	106.760002	140.2526	136.33					
512.514	420.291	188.026	70.864	28.66	1602.634	297.258	614.043	358.764	855.354	630.069	6303.37012	109.239998	140.1413	135.72					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6866.7002	129.800003	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6924.16992	128.880005	NA	NA					
524.896	423.223	189.351	71.356	28.555	1620.336	300.127	618.465	361.314	864.14	630.532	7226.89014	136.759995	140.2429	135.69					
524.433	430.104	190.213	72.182	28.708	1633.313	306.729	624.922	364.44	875.485	642.482	7080.45996	132.729996	140.0868	137.63					
540.95	435.592	190.707	72.665	29.156	1654.686	315.616	627.426	370.107	893.817	653.508	7223.1499	136.850006	139.8231	138.6					
531.866	443.984	190.927	73.038	28.966	1648.011	314.066	634.022	370.611	890.728	653.271	7290.64014	138.130005	139.8927	137.98					
527.372	440.642	189.997	72.617	28.318	1652.301	311.152	630.238	368.72	880.441	646.683	6972.22998	130.580002	139.9845	137.97					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6681.95996	125.419998	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6404.29004	124.010002	NA	NA					
538.848	439.948	189.573	71.419	28.156	1722.202	315.979	634.698	372.583	888.728	653.776	6742.79981	134.479996	140.0107	139.63					
530.897	437.007	190.738	71.854	28.353	1733.018	316.555	636.78	371.896	893.767	651.789	6739.04981	133.740005	139.8797	140.18					
535.639	435.19	188.995	71.871	28.564	1727.066	312.356	633.827	370.011	888.603	644.02	6632.47022	130.089996	139.6991	139.83					
542.152	435.001	188.63	71.618	27.874	1730.913	313.02	636.225	370.599	897.863	643.141	7402.43994	141.919998	139.6809	140.14					
550.275	431.891	189.623	71.879	28.16	1745.189	317.615	644.05	374.18	911.303	649.682	7409.43994	144.279999	139.571	142.91					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7748.45996	153.119995	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7140.62012	144.259995	NA	NA					
553.956	429.482	189.165	71.617	28.147	1740.73	315.205	639.45	373.248	906.55	647.14	7526.6499	151.639999	139.455	142.41					
532.879	437.451	190.662	71.746	28.455	1728.098	312.559	638.085	371.622	904.71	647.899	7551	142.550003	139.2854	142.9					
532.91	436.87	187.329	70.853	28.219	1705.342	307.483	621.914	367.759	892.811	643.192	8017.75	149.990005	139.3032	140.24					
532.945	427.679	185.387	70.059	28.051	1680.949	304.058	621.003	366.498	885.104	639.493	8635.62012	158.139999	139.4511	139.37					
521.944	430.611	185.214	70.489	27.949	1671.281	300.573	621.962	365.805	886.856	631.482	9261.71973	170.380005	139.5154	139.22					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9297.4502	172.830002	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9240.25977	169.389999	NA	NA					
511.405	430.833	182.605	69.598	27.748	1637.183	291.72	615.158	362.087	871.325	630.523	8948.98047	172.429993	139.6151	136.98					
526.399	437.962	184.604	70.181	28.759	1668.16	298.771	625.6	369.703	889.984	645.149	8871.24023	170.639999	139.5082	140					
528.808	440.536	185.865	70.497	28.919	1705.944	304.048	626.301	374.355	908.348	656.837	8449.99023	165.940002	139.2365	141.98					
536.253	438.878	187.229	70.97	29.183	1700.975	305.036	628.639	376.999	912.392	659.281	8632	175.979996	139.195	143.08					
537.167	439.192	188.674	72.077	29.06	1694.716	304.029	632.32	377.625	916.628	659.173	8371.54004	177.410004	139.2883	142.74					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7795.72998	177.570007	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7888.1001	168.149994	NA	NA					
540.348	433.667	188.385	72.128	28.961	1685.143	300.36	627.018	375.782	912.337	656.866	8271.30957	168.559998	139.2369	142.09					
530.74	444.181	186.188	71.204	28.675	1686.37	298.448	622.006	374.95	914.973	661.31	7984.3501	156.919998	139.0259	142.59					
520.048	444.386	186.039	71.261	28.724	1691.937	302.33	625.653	375.712	911.588	663.159	8520.16992	170.949997	139.0541	147.6					
524.752	441.429	185.411	71.423	28.973	1691.572	301.804	623.56	375.157	906.799	662.652	9127.05957	186.470001	138.8221	148.61					
520.704	438.203	184.85	70.901	27.9	1679.301	295.653	622.691	372.918	896.321	662.16	9025.13965	179.720001	138.8829	146.81					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8422.67969	173.619995	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8970.38965	186.020004	NA	NA					
516.389	437.493	186.378	71.371	27.769	1690.96	297.605	624.671	375.194	903.031	670.454	8219.99023	184.520004	138.8012	145.27					
507.771	433.856	182.904	69.873	27.665	1677.806	295.517	612.523	371.126	898.28	662.756	8061.62988	178.110001	138.5742	143.8					
507.091	433.678	183.127	70.038	27.95	1665.677	292.811	612.165	369.316	888.917	661.251	7634.41992	171.470001	138.8843	145.69					
504.831	428.594	181.534	69.935	27.364	1646.159	286.878	607.024	365.481	881.143	650.471	6921.72998	129.419998	138.8977	143.53					
514.972	426.17	182.567	70.331	27.849	1650.915	289.069	608.66	367.727	886.384	655.537	7238.93994	131.149994	138.6841	145.29					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6606.50977	121.830002	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7004.3501	127.300003	NA	NA					
510.875	423.988	181.247	69.958	27.641	1638.582	283.428	605.694	363.463	873.07	647.498	7085.00977	133.589996	138.7768	143.12					
522.726	430.781	181.529	70.475	26.818	1664.302	285.012	613.633	368.76	882.208	655.069	6755.16016	122.57	138.7686	142.73					
541.31	446.643	185.899	71.535	27.483	1706.363	296.52	619.336	374.792	904.355	671.066	6177.35986	112.010002	139.1528	147.4					
535.439	445.064	181.526	69.96	26.366	1673.563	289.055	609.154	367.469	889.819	654.666	6207.04981	114.699997	139.2299	142.41					
555.935	447.069	185.149	71.833	26.131	1716.855	294.666	625.154	376.524	905.63	665.449	5480.87988	98.919998	138.8889	147.87					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6544.20996	117.82	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7424.29004	129.789993	NA	NA					
562.449	452.081	188.769	73.724	26.481	1733.042	296.807	636.618	382.621	911.881	675.403	7097.12012	105.309998	138.8411	148.34					
566.924	461.412	192.154	74.567	27.078	1762.182	300.889	644.684	387.984	933.461	687.902	7179.62012	111.800003	138.8891	148.94					
559.767	462.645	194.59	75.345	27.107	1762.828	296.405	644.134	389.878	943.404	691.672	8153.29004	130.399994	139.1884	150.22					
561.237	458.641	192.672	74.711	27.41	1751.882	300.925	643.939	390.504	945.234	693.604	8097.68018	132.449997	139.1641	148.46					
578.183	467.101	194.144	74.828	26.52	1778.49	302.898	643.695	394.228	953.108	701.735	9030.15039	145.940002	139.153	150.39					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9401.96973	155.600006	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9190.62988	145.410004	NA	NA					
590.965	467.206	196.118	75.499	26.76	1775.906	300.533	651.12	394.991	952.671	702.707	8976.45996	142.179993	139.619	151.68					
593.187	458.707	194.405	74.865	27.042	1762.809	298.655	644.017	393.079	949.733	696.82	9011.80957	144.940002	139.8514	150.83					
602.912	467.088	196.696	75.577	28.06	1781.573	300.667	647.589	395.249	950.705	703.708	9231.54004	146.449997	139.8732	150.79					
601.776	471.261	198.137	75.678	29.021	1801.789	308.28	656.352	397.157	958.505	708.393	8838.04004	144.839996	140.0416	151.48					
594.788	462.228	196.971	75.14	28.904	1785.356	307.65	655.302	396.436	959.974	711.881	8869.75977	147.779999	139.8753	152.49					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9522.4502	157.639999	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10538.0898	174.100006	NA	NA					
581.167	468.641	198.354	74.728	28.493	1791.36	309.737	656.628	395.174	963.538	706.893	9555.88965	160.960007	139.9078	152.49					
587.495	462.194	197.321	74.497	28.907	1770.079	308.753	656.121	393.17	958.302	698.481	9325.40039	160.149994	139.8128	149.59					
587.113	456.703	198.669	74.924	28.723	1760.473	301.48	654.849	392.435	945.25	696.305	9206.16016	155.169998	139.9977	148.87					
588.357	459.534	197.651	74.755	28.959	1771.804	296.223	652.078	392.894	948.367	698.234	9306.20996	154.509995	139.9749	151.09					
593.717	456.157	195.563	74.001	28.792	1759.461	294.844	655.834	392.435	948.349	691.664	11192.5098	191.350006	139.9401	151.75					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11300.2197	196.929993	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11797.4102	213.300003	NA	NA					
597.54	465.51	196.821	74.167	28.145	1769.206	293.786	657.548	393.049	949.95	691.861	11497.9805	196.110001	139.8627	151.02					
589.861	464.173	196.629	73.916	27.892	1773.105	291.741	659.943	391.874	945.229	683.552	11144.1904	189.729996	140.3736	152.46					
582.334	461.796	199.342	75.036	27.853	1798.133	293.711	660.928	393.145	944.996	684.274	12427.96	207.830002	140.2965	148.33					
580.459	466.684	202.854	76.266	28.407	1808.194	298.341	666.644	394.616	956.701	689.89	12125.3096	206.210007	140.5091	146.73					
579.763	466.954	202.726	76.391	28.583	1814.099	297.049	663.249	392.881	952.225	680.529	12618.1299	215.380005	140.5095	143.78					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13490.2598	223.850006	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14338.5801	232.610001	NA	NA					
577.394	462.373	200.992	75.771	27.761	1835.384	294.979	662.447	391.738	950.934	674.609	14183.2998	204.630005	140.4998	142.56					
572.157	462.302	199.222	74.99	27.427	1810.393	291.802	657.648	388.156	940.146	660.98	12725.4102	201.529999	140.402	142.62					
562.539	466.011	198.848	75.745	28.005	1795.111	289.383	657.801	384.755	924.671	649.324	12786.04	206.190002	140.4943	144.17					
555.141	460.075	196.563	75.477	28.356	1774.423	283.341	655.326	382.832	916.768	640.043	12319.79	211.389999	140.478	140.2					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	641.046	11391.3897	191.369995	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11850.3096	196.820007	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10654.4004	181.380005	NA	NA					
549.209	455.175	197.715	75.955	27.599	1785.466	281.326	660.845	383.558	919.455	641.046	12247.6797	207.830002	140.5295	139.74					
552.623	453.544	196.954	75.765	27.949	1787.721	282.977	658.492	383.814	926.018	644.038	12264.0195	214.589996	140.5887	139.7					
555.09	453.455	196.712	75.525	28.178	1802.74	284.922	660.589	384.719	929.031	646.713	13087.4502	226.309998	140.6588	138.79					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	647.175	13259.2803	235.509995	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	647.175	11733.8203	230.309998	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11887.3096	236.869995	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12503.7598	245.899994	NA	NA					
547.913	453.627	194.996	75.032	27.804	1798.859	286.694	660.044	384.332	925.706	647.175	11867.0596	228.119995	140.6661	137.89					
544.908	454.161	195.091	75.387	27.875	1803.952	286.851	659.059	384.634	927.353	649.074	13009.2402	253.839996	140.6751	137.52					
532.46	452.829	196.205	75.2	27.863	1798.659	283.887	656.412	382.411	923.98	645.445	13961.3604	259.540009	140.9622	137.35					
525.663	450.829	197.912	75.772	27.544	1825.193	287.559	660.457	384.927	933.431	647.518	14992.29	297.269989	141.3881	137.39					
526.015	443.821	198.301	75.66	28.044	1845.182	286.887	661.939	386.465	936.594	648.679	15992.4404	301.019989	141.4738	138.05					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15992.8096	266.390015	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16376.2998	253.880005	NA	NA					
510.138	445.58	194.304	74.844	27.128	1823.026	281.12	654.05	382.063	926.03	639.573	14879.7598	252.369995	141.5895	137.27					
514.608	458.826	193.619	74.454	27.294	1821.711	282.482	653.076	382.824	923.961	640.861	13832.4805	232.949997	141.4766	136.55					
519.211	460.778	193.511	74.121	25.794	1813.913	285.161	653.947	384.515	928.723	641.582	13651.1797	253.610001	141.4616	137.32					
532.043	460.89	194.243	74.16	25.565	1812.489	283.11	657.093	385.43	928.97	641.308	14196.4805	266.570007	141.5951	137.58					
524.783	461.371	193.639	74.755	25.87	1777.35	280.629	653.887	382.885	923.117	639.513	13863.96	175.550003	141.7233	137.63					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12669.29	121.959999	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12697.71	129.089996	NA	NA					
513.075	470.212	193.995	75.158	25.813	1791.45	281.55	656.318	383.027	923.237	640.992	13503.3496	103.550003	141.6911	138.12					
510.453	460.598	193.041	74.194	25.279	1781.689	278.989	657.763	380.273	916.001	634.666	15046.2695	79.980003	141.7613	137.98					
515.002	457.609	192.593	73.691	24.066	1778.375	278.564	660.103	380.208	920.907	632.629	11795.5303	85.559998	141.7552	136.62					
527.282	458.43	192.712	73.611	23.818	1778.647	282.188	659.21	380.668	922.949	638.844	9942.29004	85.809998	141.5621	135.19					
536.477	461.361	191.166	72.927	24.009	1776.47	279.332	657.285	381.406	924.093	639.082	9755.29981	87.029999	141.4715	135.14					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9513.84961	84.760002	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9250.95996	84.230003	NA	NA					
533.149	458.277	189.75	72.208	24.869	1759.962	282.145	651.241	378.062	911.926	629.417	9176.16992	82.870003	141.4541	133.87					
525.581	456.049	190.77	72.586	25.661	1780.27	288.76	654.643	380.658	922.633	641.462	8564.24023	74.779999	141.2303	134.32					
520.147	454.535	189.854	72.37	25.265	1787.746	289.905	657.568	381.863	923.653	641.724	8438.79004	72.639999	141.332	136.18					
511.042	451.471	190.861	72.156	25.052	1825.032	300.369	661.201	380.897	924.433	638.782	8311.49023	78.5	141.5609	135.17					
506.745	450.037	191.225	72.206	23.193	1821.569	299.703	654.946	378.72	922.406	635.724	8107.02979	75.5	141.3731	134.66					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7699.62012	70.699997	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7273.52002	73.599998	NA	NA					
512.968	448.262	191.007	72.056	23.449	1828.975	302.735	657.66	380.488	931.416	637.515	6909.83008	65	141.3297	133.32					
524.073	448.548	190.858	72.429	23.775	1826.863	302.341	657.891	381.042	927.012	635.241	6811.81982	62.139999	141.4579	132.36					
525.865	448.257	190.655	72.357	24.506	1821.156	302.02	653.929	381.019	928.358	634.692	7010.18018	61.040001	141.37	130.46					
521.884	455.425	192.05	72.349	24.495	1844.217	306.619	656.432	382.008	937.398	641.218	6930.79004	59.889999	141.6301	130.4					
509.511	447.934	190.162	72.349	25.228	1819.348	300.284	654.603	380.237	929.86	632.968	7001.29004	61.279999	141.5627	128.4					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6793.29004	60.630001	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6602.54981	59.049999	NA	NA					
506.221	442.982	191.039	72.364	26.262	1806.104	296.503	650.165	377.644	921.645	624.759	6560.64014	57.529999	141.463	128.85					
503.25	444.218	192.519	72.513	26.567	1806.939	297.283	651.547	378.803	922.856	627.445	6645.06982	59.700001	141.3967	128.36					
500.218	432.16	189.802	71.54	26.164	1788.539	290.818	644.665	375.913	918.618	622.054	6253.77979	54.209999	141.6	127.35					
514.218	429.179	190.578	71.386	25.133	1790.593	293.551	651.527	377.925	925.197	628.196	5680.1499	53.470001	141.3522	128.37					
532.082	426.104	190.734	71.515	25.837	1786.41	293.436	659.045	380.146	927.638	630.065	5662.25977	52.889999	141.5071	128.49					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5079.18994	51.040001	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5487.1499	54.110001	NA	NA					
541.902	433.468	191.581	72.052	26.375	1796.925	295.075	660.314	382.835	935.753	632.291	5710.93994	51.259998	141.473	130.35					
552.607	431.797	192.199	72.373	26.984	1804.592	294.999	663.511	384.186	940.433	636.788	6191.79004	55.669998	141.8487	130.63					
560.881	437.551	193.339	72.762	32.115	1834.694	303.261	665.295	388.624	958.236	643.963	6479.81006	54.18	141.9055	131.39					
564.735	446.442	192.711	72.289	31.142	1835.459	306.123	665.925	388.87	957.123	652.324	6178.49023	52.560001	141.768	132.22					
555.155	452.121	192.716	72.488	32.346	1850.231	307.989	675.251	390.799	964.97	658.026	6048.20996	47.34	141.8049	132.23					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6415.64014	47.389999	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6384.04981	47.630001	NA	NA					
556.674	452.592	192.631	72.224	31.858	1837.485	305.113	673.61	390.169	963.68	658.961	6248.97998	48.66	141.6593	133.85					
554.362	457.141	191.341	71.709	34.456	1830.592	301.781	664.833	389.009	953.064	656.226	6077.3501	46.759998	141.5385	132.53					
551.627	464.775	191.525	71.826	34.737	1860.565	302.784	670.664	390.835	953.358	656.009	5870.89014	45.810001	141.6606	131.59					
537.802	454.549	190.918	72.324	34.334	1824.833	297.896	671.672	389.268	937.965	641.721	5540.37988	47.59	NA	NA					
533.405	443.275	190.27	71.403	34.223	1815.375	295.48	668.135	387.955	935.566	641.002	5288.64014	48.57	141.6313	129.89					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5275.75	48.619999	NA	NA					
528.102	439.486	189.188	71.128	33.521	1827.329	294.388	668.755	387.381	938.153	638.638	4975.18994	46.939999	141.4927	131.68					
518.166	451.393	187.312	70.528	33.417	1798.752	291.549	659.053	385.217	932.065	629.97	5004.47022	48.939999	141.0319	129.86					
510.15	444.31	185.562	69.957	32.58	1774.219	296.972	656.561	381.275	927.12	622.795	5071.08984	47.849998	140.9816	128.75					
515.209	438.57	187.642	70.392	32.461	1761.681	298.507	667.217	383.343	924.913	628.25	4895.12988	48.110001	141.111	128.6					
507.98	443.141	189.366	70.555	32.565	1777.7	298.25	673.927	384.71	930.768	621.705	4754.1499	47.959999	141.3268	128.64					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5006.49023	46.490002	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5100.85986	47.939999	NA	NA					
504.125	442.885	191.103	70.981	32.648	1759.011	293.762	671.848	384.169	927.282	620.233	5127.37012	49.560001	141.2929	129.56					
506.901	437.27	192.473	71.297	32.77	1759.486	289.161	669.183	383.127	922.174	622.445	5065.72022	50.810001	141.5079	129.22					
514.319	443.521	193.843	72.08	33.234	1753.926	288.173	669.996	385.594	924.732	632.032	4808.70996	50.299999	141.6198	131.84					
518.887	441.553	192.344	71.6	33.454	1745.264	290.645	664.507	384.471	923.162	626.997	4754.52979	51.669998	141.7275	130.69					
528.03	437.255	192.345	71.843	33.585	1751.754	289.615	665.811	385.51	926.752	627.095	4758.56006	50.360001	141.5695	130.4					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4858.87988	54.700001	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4780.31006	54.740002	NA	NA					

525.189	440.971	191.436	71.686	34.851	1758.276	289.477	665.887	385.508	925.744	626.855	4884.29004	53.380001	141.3914	130.4	
523.688	441.849	191.745	71.552	35.009	1755.284	285.364	661.214	384.328	919.287	629.483	4746.27979	49.490002	141.2055	129.98	
529.133	439.889	190.578	71.227	35.04	1748.095	285.067	661.223	384.205	918.161	628.899	4546.49023	49.650002	141.187	130.75	
535.918	433.73	190.131	71.074	34.841	1750.757	284.811	660.967	384.185	919.795	627.401	4061.98999	42.66	141.2345	130.14	
531.194	429.307	189.956	70.791	34.258	1761.24	287.23	657.897	384.242	920.311	630.61	4022.61011	42.610001	141.1711	131	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4046.34009	42.259998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3883.92993	44.91	NA	NA	
530.121	430.995	189.531	70.688	34.128	1744.353	284.918	652.531	383.526	920.436	629.703	3767.67993	44.580002	140.9836	131	
539.222	438.544	191.169	71.134	34.548	1747.199	285.253	655.862	385.123	923.681	629.88	3707.63989	44.049999	141.1645	130.52	
534.428	441.821	191.094	71.314	34.211	1740.406	286.431	651.03	384.519	925.136	629.753	3682.08008	44.09	141.2795	131.47	
538.1	444.469	191.021	71.668	33.418	1743.544	286.835	645.604	384.804	919.434	621.673	3600.86011	43.830002	NA	NA	
531.192	437.652	190.574	71.556	33.741	1742.981	287.366	644.552	384.196	917.133	621.522	3678.22998	44.439999	141.1644	130.97	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3743.92993	45.240002	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3697.62012	45.790001	NA	NA	
533.283	425.076	190.178	71.721	33.867	1721.03	283.727	641.989	382.258	915.891	619.641	3666.88989	46.790001	141.2059	131.49	
540.365	425.845	188.332	71.046	34.28	1716.846	281.946	640.199	380.523	907.824	614.105	3517.27002	44.619999	140.9421	127.61	
527.702	433.836	188.456	71.106	33.48	1708.787	279.55	635.551	379.665	900.292	616.314	3547.04004	46.470001	141.1003	126.48	
527.269	421.232	190.137	71.43	33.009	1704.285	276.105	636.734	378.189	901.004	616.518	3570.58008	48.07	141.4656	126.81	
527.746	420.119	188.904	71.235	33.314	1714.208	275.577	634.69	378.064	896.144	613.265	3284.22998	44.099998	141.3631	126.47	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3316.26001	44.130001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3093.01001	40.169998	NA	NA	
517.406	420.312	188.003	70.914	33.075	1716.652	278.407	630.241	377.29	892.762	615.074	3182.26001	41.330002	141.0679	126.23	
515.366	420.208	187.833	70.914	33.664	1709.27	277.501	630.779	376.918	892.911	613.591	3055.17993	40.68	141.0429	126.34	
511.795	422.651	188.712	70.891	33.903	1714.991	278.487	631.654	376.023	886.232	607.902	3045.8501	39.110001	141.2837	125.91	
510.683	429.247	188.846	70.977	33.741	1714.423	282.171	641.686	376.157	883.05	607.856	3264.21997	43.41	141.2092	125.06	
507.701	423.422	189.807	71.21	33.521	1716.68	281.238	647.832	375.959	882.704	604.746	3274.26001	44.25	141.3204	125.14	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3454.41992	47.619999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3112.56006	42.950001	NA	NA	
502.899	427.241	190.075	71.5	32.881	1716.411	276.856	648.088	374.719	874.473	602.93	3125.83008	43.93	141.4588	122.11	
504.753	429.354	189.612	71.591	33.96	1718.225	275.386	652.054	375.82	877.953	598.359	3157.37012	43.990002	141.5617	121.61	
494.378	434.166	189.174	71.394	33.986	1714.779	275.078	654.545	375.326	876.084	593.905	2735.87012	38.349998	141.6547	120.31	
491.589	434.819	189.332	71.912	34.586	1706.902	276.006	654.131	375.413	878.573	594.167	3250.09009	51.950001	141.858	120.93	
487.834	432.964	189.369	71.976	34.926	1701.514	275.813	652.929	373.46	872.652	587.758	3492.98999	55.349998	142.0314	119.73	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3544.72998	57.32	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3578.29004	56.580002	NA	NA	
485.747	426.134	187.967	71.32	34.191	1683.107	271.987	650.478	369.682	862.082	584.826	3635.77002	60	142.069	119.53	
492.553	423.987	187.292	71.163	34.637	1677.663	273.875	645.71	369.165	861.228	584.753	3662.20996	61.98	141.8195	119.19	
497.481	421.893	186.325	70.805	34.778	1651.156	270.212	643.789	368.151	855.218	582.166	3883.01001	67.43	141.9904	118.82	
487.934	422.907	185.779	70.404	35.261	1639.64	270.389	643.56	367.94	851.14	572.734	3912.34009	69.150002	141.8212	118.61	
476.803	423.543	187.178	70.759	35.185	1627.894	270.084	641.587	368.257	850.401	567.599	3780.82007	63.369999	141.8941	119.15	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3672.45996	59.110001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3924.31006	67.480003	NA	NA	
474.993	429.056	188.303	70.767	35.131	1647.174	272.046	644.849	370.194	852.006	567.024	3893.78003	67.190002	141.8827	120.04	
469.264	421.703	188.297	71.089	34.911	1637.322	269.126	643.167	367.935	844.523	559.968	4145.41992	73.940002	141.8499	119.9	
460.732	413.525	186.359	70.637	34.449	1624.457	265.632	639.422	365.093	843.704	561.151	3983.94995	61.419998	141.9337	119.11	
457.395	415.67	184.893	69.915	34.151	1614.819	264.074	630.724	362.485	839.726	558.766	3839.76001	55.119999	142.108	118.43	
464.504	420.321	185.238	70.178	34.466	1631.4	266.591	633.831	366.297	851.342	565.435	3820.26001	52.84	141.7158	119.09	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3671.02002	52.049999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3644.44995	50.830002	NA	NA	
468.344	421.562	185.478	70.207	34.698	1640.574	268.06	638.52	368.079	856.574	565.549	3663.48999	43.419998	141.6054	119.54	
465.345	423.852	186.194	70.672	34.638	1642.55	267.79	639.201	368.448	855.377	566.329	3681.86011	43.23	141.6641	119.6	
470.808	426.001	186.662	70.594	34.83	1653.072	269.143	639.327	367.949	856.132	563.75	3686.72998	43.25	141.4757	119.54	
470.843	432.882	187.106	71.081	35.003	1657.882	269.579	643.356	369.719	857.147	562.96	3541.94995	45.810001	141.4856	119.45	
469.556	431.298	186.768	70.788	35.319	1641.902	265.862	639.206	366.765	842.716	556.505	3500.83008	39.509998	141.4966	119.81	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3406.70996	41.119999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3485.58008	39.400002	NA	NA	
471.857	430.496	186.831	70.924	35.825	1646.802	268.057	639.135	368.166	850.074	557.385	3555.67993	38.66	141.5298	120.16	
473.815	437.39	188.286	71.995	35.216	1660.626	271.426	647.849	370.79	853.995	561.091	3530.93994	39.779999	141.31	120.2	
480.633	443.897	188.231	72.289	37.699	1667.959	273.519	647.786	372.908	854.448	563.556	3646.62012	37.509998	141.2014	121.5	
477.425	440.97	187.87	71.772	36.814	1653.995	271.867	640.339	370.374	846.207	558.469	3733.59009	37.490002	141.3953	119.87	
485.089	426.06	188.196	71.69	37.173	1650.164	271.137	636.723	370.157	846.993	558.549	3546.94995	36.580002	141.3647	120.35	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3681.47998	38.709999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3458.16992	38.360001	NA	NA	
483.052	418.13	185.715	70.281	37.011	1626.839	267.119	631.191	366.218	836.755	552.404	3289.20996	39.290001	141.5983	119.13	
501.137	421.976	188.722	71.237	36.992	1638.375	270.838	636.427	370.123	836.353	556.092	3110.90991	40.279999	141.296	122.25	
500.445	424.931	189.622	71.725	37.537	1655.664	273.679	641.796	373.862	845.529	557.518	2916.30005	40.34	141.2861	122.42	
501.54	429.553	190.188	71.793	37.531	1668.157	276.221	647.625	376.588	855.2	562.135	2869.25	40.84	141.1445	121.47	
502.648	427.244	190.086	71.826	37.094	1665.318	275.97	646.714	375.927	855.394	559.547	2925.29004	41.919998	141.023	121.84	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2874.38989	38.84	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2734.11011	38.529999	NA	NA	
503.935	425.305	190.351	72.124	37.05	1676.789	275.723	647.513	376.429	857.267	560.267	2759.22998	39.150002	141.194	121.54	
500.909	420.028	189.383	71.964	36.249	1661.908	272.568	638.18	372.971	848.456	554.908	2431.3501	36.59	141.0193	121.99	
509.314	416.742	189.17	72	36.837	1656.035	272.614	635.313	372.743	850.004	554.456	2373.91992	36.240002	141.0535	121.54	
514.554	416.277	187.835	72.057	37.055	1674.07	273.207	638.683	374.25	855.153	557.925	2283.06006	35.110001	140.8244	119.87	
513.05	405.993	185.754	71.668	37.561	1660.872	271.763	641.541	371.937	849.06	552.279	2328.56006	36.93	140.7789	118.05	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2467.06006	36.25	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2369.12988	34.599998	NA	NA	
520.542	413.31	186.474	71.751	37.86	1668.862	272.268	644.337	372.298	848.23	556.527	2318.37012	35.25	140.6338	117.66	
514.553	419.082	188.472	72.745	37.694	1680.854	276.955	647.597	376.109	856.363	563.424	2381.08008	34.5	140.8906	118.63	
519.06	418.655	187.562	72.27	39.659	1673.446	275.605	623.004	376.44	867.208	566.753	2294.55005	36.040001	140.6705	117.66	
511.622	414.473	187.445	72.147	39.033	1654.686	273.862	614.039	374.535	863.669	563.297	2184.32007	36.419998	140.9189	119.42	
514.637	412.668	187.026	72.201	38.46	1645.816	275.228	612.946	373.052	863.843	563.621	2214.34009	36.43	140.9901	117.38	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2378.55005	38.279999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2363.29004	38.5	NA	NA	
516.37	413.902	187.193	72.47	38.675	1660.121	275.021	618.854	373.941	863.976	570.435	2424.3999	39.639999	140.9012	117.27	
523.38	420.949	188.001	72.848	39.017	1688.803	278.149	624.498	377.747	874.356	586.295	2295.67993	38.98	140.6243	118.67	
522.474	445.553	188.209	73.16	39.119	1692.801	275.687	626.32	379.193	876.968	587.907	2436.04004	38.450001	140.6719	117.58	
517.756	444.463	187.88	72.776	39.365	1665.947	267.854	621.943	376.29	871.604	584.752	1968.05005	34.790001	140.6042	117.2	
525.641	448.706	187.661	72.569	39.642	1685.234	275.882	627.422	380.392	884.975	590.436	2011.31006	38.130001	140.4634	116.48	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1934.47998	36.720001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1670.64002	35.68	NA	NA	
520.035	445.079	188.514	72.862	39.547	1688.573	276.578	625.969	380.292	885.338	590.386	1725.15002	33.549999	140.4337	117.25	
511.745	442.339	187.674	72.081	39.417	1683.407	275.591	622.447	379.536	880.311	589.819	1940.75	37.27	140.5114	117.52	
512.032	440.311	186.631	71.636	39.388	1684.659	276.088	621.071	378.248	876.109	587.571	2053.45996	39.869999	140.3296	116.97	
506.45	440.089	184.137	70.669	39.102	1667.58	269.543	609.951	372.649	863.336	577.716	2090.75	41	140.1649	116.16	
505.059	443.66	185.817	71.661	39.375	1684.812	270.11	618.106	375.083	865.419	572.335	2022.15002	38.380001	140.3273	116.52	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2052.96997	39.34	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2206.51001	42.779999	NA	NA	
499.527	441.248	184.025	71.412	39.328	1671.801	268.246	613.547	373.713	860.432	569.887	2244.06006	45.029999	140.1923	116.06	
512.048	433.097	183.658	71.332	39.38	1667.614	265.935	611.041	373.931	863.665	569.36	2203.83008	40.68	140.5103	115.6	
514.794	432.563	185.986	72.017	39.611	1684.908	267.677	618.297	376.454	873.605	566.26	2288.03003	45.009998	140.6761	116.96	
526.801	435.829	185.198	72.082	39.264	1676.87	264.369	618.03	375.783	874.941	568.355	2296.27002	46.959999	140.7517	117.09	
519.092	434.22	185.825	72.166	39.385	1683.005	265.673	619.512	376.875	878.623	570.168	2292.73999	48.66	140.7016	117.39	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2249.87012	40.41	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2201.94995	36.310001	NA	NA	
506.773	431.423	186.71	72.57	38.669	1687.067	263.369	616.945	373.077	868.284	560.507	2109.40991	33.240002	140.7891	117.07	
505.763	427.691	185.36	72.592	37.358	1676.666	263.077	619.591	374.226	879.939	563.962	2147.76001	34.41	140.8999	116.19	
512.299	434.952	186.71	73.021	37.816	1720.486	271.142	631.699	379.239	896.305	572.805	2217.43994	35.16	141.0498	117.28	
513.189	428.369	188.005	73.709	37.414	1735.468	272.365	635.505	379.425	899.274	571.187	2248.92993	36.720001	141.573	117.86	
507.964	431.443	189.791	74.681	37.534	1759.599	275.959	640.173	382.415	904.538	579.556	2226.80005	34.900002	141.8182	119.39	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2142.36011	33.919998	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2224.37012	36.009998	NA	NA	
506.234	423.125	190.216	74.739	37.951	1766.653	278.025	634.278	381.098	903.568	577.865	2288.28003	37.849998	141.7735	119.4	
505.598	424.422	189.808	74.099	38.1	1767.188	276.025	641.587	381.952	908.373	582.167	2404.03003	40.610001	141.783	118.39	
505.888	424.05	189.359	74.467	38.503	1754.562	275.074	646.34	381.902	911.957	578.026	2399.68994	41.029999	141.9549	118.37	
503.914	422.675	190.536	74.692	38.164	1751.045	274.492	649.435	382.657	913.674	578.199	2365.30005	39.16	141.8861	119.06	
516.131	424.85	192.95	75.31	38.916	1761.251	276.725	647.731	385.406	919.86	580.64	2440.93994	40.630001	141.8338	119.54	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2293.28003	41.860001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2231.08008	38.360001	NA	NA	
513.876	421.541	193.308	75.522	38.68	1746.148	272.939	642.255	382.208	907.305	577.073	2356.5	40.98	141.6208	119.41	
518.222	418.723	192.318	75.081	39.151	1724.081	270.227	638.491	379.604	901.121	574.976	2218.27002	30.17	141.9375	118.92	
528.361	425.18	193.175	75.708	39.728	1739.222	274.101	636.082	381.219	907.888	579.83	2166.59009	26.01	141.9659	120.05	
536.311	422.71	191.963	75.044	39.992	1714.468	275.762	634.74	382.312	906.478	584.539	2206.70996	26.1	141.9824	120.03	
534.325	414.861	190.26	74.45	39.617	1695.253	272.429	632.964	380.138	899.955	582.941	2405.6499	26.67	142.1547	119.68	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2337.43994	25.34	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2607.78003	29.190001	NA	NA	
526.237	416.852	192.582	74.907	39.972	1756.927	283.361	637.56	383.789	904.783	580.975	2522.91992	25.76	142.1032	120.83	
526.902	419.94	191.786	75.126	39.515	1754.446	282.166	637.022	382.607	902.433	577.832	2534.66992	26.58	141.9716	120.92	
527.855	415.509	192.995	75.182	39.284	1748.455	281.218	647.671	382.626	890.221	580.685	2506.40991	26.91	142.1396	121.5	
530.402	415.398	192.069	74.489	39.227	1753.434	279.267	650.246	382.762	896.207	582.027	2411.6499	25.6	142.0923	121.67	
537.653	415.818	192.821	74.81	37.882	1761.3	280.662	650.351	385.365	908.623	587.701	2553.86011	26.59	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2392.58008	26.959999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2246.47998	24.74	NA	NA	
538	419.407	192.115	75.486	37.909	1764.413	281.611	651.193	385.861	909.941	589.006	2269.97998	24.360001	142.0062	122.16	
542.259	418.768	190.663	75.383	38.52	1754.862	280.253	648.145	385.043	896.768	582.367	2220.76001	24.73	141.9596	121.45	
537.862	415.576	189.356	74.721	38.733	1747.948	277.269	644.232	383.348	890.15	573.612	2132.18994	24.25	141.9476	119.84	
555.225	418.587	189.624	74.814	38.668	1745.097	277.747	643.544	383.889	889.878	581.732	2051.71997	23.209999	141.9891	120.22	
556.632	412.618	189.345	74.546	39.376	1746.636	277.558	646.2	384.54	896.327	582.205	1923.75	20.93	141.8079	118.55	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2043.18994	22.879999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1902.85999	20.950001	NA	NA	
557.181	414.003	189.611	74.484	39.324	1741.049	279.111	646.912	384.646	893.97	583.928	1800.96997	19.57	141.7091	120.39	
570.1	412.182	188.78	74.543	39.335	1746.737	279.115	648.168	385.432	896.617	586.7	1986.17004	22.5	141.5856	120.9	
597.343	405.597	188.489	74.635	39.332	1744.664	278.14	648.483	385.639	898.335	587.62	1998.17004	23.799999	141.3856	120.06	
598.696	398.17	187.287	74.334	39.614	1736.528	278.137	647.03	385.204	901.264	590.828	2124.18994	29.639999	141.2689	119.55	
605.361	395.149	188.021	74.884	39.67	1728.474	271.732	644.03	384.281	896.103	592.263	1995.48999	27.18	141.4926	119.01	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1858.53003	21.32	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1803.59998	22.76	NA	NA	
605.518	395.06	186.025	74.272	39.59	1735.896	274.087	643.578	384.663	898.34	594.565	1805.72998	23.9	141.5684	117.73	
600.233	392.442	185.527	74.821	39.659	1724.758	272.566	640.101	382.349	895.484	590.372	1751.83997	24.299999	141.7153	116.08	
612.537	394.139	188.057	75.687	38.903	1730.248	274.13	651.787	384.473	893.756	595.916	1704.02002	25.6	141.1817	116.08	
613.492	397.343	189.887	76.725	40.145	1740.623	280.537	655.515	389.138	906.417	603.369	1648.68005	22.99	141.0674	116.16	
620.29	405.126	190.528	76.901	40.588	1744.094	280.644	652.51	389.197	908.498	607.445	1604.19995	21.24	141.1831	116.26	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1598.44995	23.24	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1641.25	26.309999	NA	NA	
610.48	399.683	191.018	77.062	40.371	1749.694	277.634	657.226	388.867	910.461	606.506	1637.80005	26.41	141.2085	116.16	
629.125	400.481	190.128	77.116	40.356	1740.487	276.04	655.77	387.774	909.295	608.114	1557.80005	24.98	140.9305	114.53	
630.488	404.657	188.194	77.075	40.389	1757.077	277.606	655.357	389.72	915.448	611.201	1690.56995	28.32	141.1779	117.61	
625.134	401.626	188.266	77.36	40.438	1763.244	278.182	656.343	389.066	915.213	607.218	1634.71997	29.190001	141.0931	114.22	
621.293	399.44	187.083	76.798	40.451	1755.2	275.39	652.417	387.228	910.301	609.128	1572.26001	30.57	141.3241	113.73	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1513.65002	25.459999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1418.81995	26.870001	NA	NA	
618.975	396.133	185.264	75.838	40.572	1749.791	275.876	651.506	387.615	916.421	608.361	1407.38001	25.200001	141.548	113.54	
605.627	384.739	184.4	75.474	38.956	1741.786	274.237	650.313	385.084	909.946	601.91	1378.04004	23.23	141.6212	112.08	
619.727	377.875	184.299	75.865	38.566	1731.189	273.569	633.338	382.639	904.134	596.205	1385.31995	21.18	141.8599	113.09	
621.225	376.753	184.283	75.883	38.983	1727.918	274.993	632.002	382.909	899.235	600.25	1376.41003	19.610001	141.8458	112.35	
616.361	373.483	181.593	75.153	38.889	1711.853	270.343	630.189	380.021	900.042	603.916	1317.70996	14.56	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1258.54004	14.07	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1226.31995	14.25	NA	NA	

617.519	373.993	181.685	75.265	38.672	1713.148	270.37	630.966	380.469	900.359	603.971	1214.94995	14.47	141.8748	111.5					
623.542	368.472	183.835	75.874	38.265	1714.411	269.595	631.621	381.066	899.696	599.676	1213.03003	13.19	141.6717	110.9					
642.984	375.036	183.714	75.769	38.558	1713.087	267.506	632.865	381.972	895.346	603.31	1214.77002	13.47	141.6043	111.04					
633.132	373.56	183.28	75.549	38.325	1725.01	267.395	632.132	380.116	894.628	598.669	1182.06995	13.63	141.5715	110.63					
632.77	377.26	180.798	74.987	38.093	1716.548	265.108	632.089	379.242	894.225	597.449	1168.51001	14.21	141.6381	111.1					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1155.5	13.85	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1143.70996	14	NA	NA					
632.025	365.41	180.328	74.098	37.46	1686.042	260.793	623.723	371.68	868.318	580.977	1150	13.12	142.4516	110.61					
639.695	364.434	181.224	74.717	37.963	1678.044	262.175	621.802	371.646	869.323	580.01	1158.33997	11.25	142.3716	110.87					
649.117	363.153	182.865	75.292	37.9	1679.916	260.139	624.793	370.944	869.886	574.862	1152.21997	10.23	142.8124	111.43					
652.296	355.083	183.274	75.598	37.578	1676.71	261.454	627.703	370.109	871.217	566.97	1127.56995	9.5	142.9101	111.28					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	569.172	1121.98999	10.24	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1116.07996	10.49	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1109.93005	11.04	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	569.172	1098.69995	10.86	NA	NA					
665.984	354.389	183.232	75.144	37.869	1690.836	264.55	631.22	374.185	883.863	569.172	1111.42004	11.01	142.9821	110.8					
672.468	356.89	182.98	75.237	37.912	1691.196	264.873	632.456	375.439	884.233	573.433	1103.48999	10.35	142.781	110.18					
665.366	359.022	181.506	74.883	37.888	1680.879	263.897	628.601	374.656	881.083	571.691	1138.21997	10.98	142.6809	109.26					
667.072	353.671	180.594	74.322	37.472	1690.59	269.246	628.916	374.717	884.961	574.545	1150.07996	9.09	142.6186	110.2					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1134.47998	9.2	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1131.66003	8.66	NA	NA					
666.819	347.557	180.443	74.338	37.154	1685.922	269.642	625.468	374.662	887.274	575.107	1113.81006	10.05	142.3864	109.25					
664.63	350.885	179.108	73.904	37.566	1679.348	268.26	627.267	374.118	885.16	575.342	1123.85999	9.49	142.3457	108.56					
659.035	346.168	178.614	72.778	37.107	1682.106	267.86	626.311	373.441	883.997	575.632	1127.15002	10.28	142.3154	108.12					
648.595	344.589	177.544	72.147	37.651	1682.201	269.877	625.48	373.282	883.952	581.295	1060.20996	11.49	142.423	108					
650.577	344.328	176.612	71.899	37.264	1676.577	269.067	623.595	372.596	881.84	584.76	1065.97998	8.43	142.0756	107.26					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1073.27002	8	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1028.39002	7.69	NA	NA					
649.667	344.327	177.391	72.279	37.344	1678.44	272.438	622.754	374.313	879.928	590.705	1018.38001	7.03	141.9265	106.88					
654.188	340.091	175.234	70.679	37.195	1669.883	271.135	622.801	373.648	876.923	590.496	1006.91998	6.62	142.0175	106.66					
645.432	337.738	176.286	70.948	36.516	1659.996	269.689	620.91	371.739	872.514	594.563	963.700012	6.99	141.673	106.85					
632.779	340.389	174.783	70.444	36.487	1654.401	269.507	618.684	370.527	870.201	591.729	960.890015	3.98	141.6709	106.39					
621.678	342.564	175.101	70.944	36.37	1634.852	268.46	616.318	368.26	862.995	582.486	959.369995	3.86	141.7243	106.34					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	884.570007	3.67	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	878.530029	3.75	NA	NA					
631.541	347.909	176.248	71.537	36.523	1653.438	269.338	616.636	369.82	866.999	584.913	858.400024	3.81	141.5336	107.04					
632.72	347.569	176.676	71.596	36.539	1654.442	262.82	619.296	370.541	866.321	582.555	952.72998	3.7	141.7129	107.41					
626.297	343.864	175.505	71.02	35.559	1640.377	260.978	619.154	367.41	855.815	577.269	957.049988	3.65	141.6719	106.87					
628.918	349.994	177.43	71.557	35.822	1650.929	261.258	622.339	369.059	858.503	578.765	1024.57996	3.69	141.298	109.39					
627.115	353.761	178.583	71.534	35.875	1666.924	266.542	623.295	371.084	863.536	584.235	959.47998	3.75	141.4938	109.34					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	944.859985	3.61	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	883.130005	3.67	NA	NA					
625.598	356.806	178.478	71.498	35.578	1665.117	266.181	624.056	371.677	866.393	585.532	994.869995	3.83	141.3237	109.78					
633.383	352.167	177.294	71.119	35.3	1657.983	264.549	615.802	371.017	865.755	588.364	1078.73999	4.02	141.6443	109.61					
632.199	342.662	174.695	69.954	35.204	1646.73	262.614	609.323	368.418	862.935	585.826	1169.90002	3.98	141.6473	109.28					
621.996	342.09	174.888	69.893	35.233	1640.227	262.1	609.583	366.831	861.591	586.313	1166.82996	3.94	141.3672	109.48					
637.941	344.483	174.711	70.297	35.236	1640.502	261.461	607.013	368.092	861.81	587.886	1157.06995	4.07	141.528	111.23					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1148.06995	3.65	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1105.84998	3.56	NA	NA					
626.79	343.965	174.292	69.894	35.28	1634.021	260.329	605.274	366.654	859.383	581.328	1045.90002	3.52	141.7554	109.72					
621.269	346.882	175.912	71.094	34.967	1642.559	258.521	604.402	366.281	859.149	581.985	1127.60999	3.67	142.0746	109.41					
638.639	336.367	175.644	70.809	35.458	1642.317	257.681	604.249	366.163	853.946	588.102	1073.94995	3.62	142.4381	109.67					
638.371	333.568	176.555	70.944	35.385	1638.702	256.804	606.373	365.939	855.341	589.258	1167.44995	3.78	142.5787	109.58					
636.678	338.212	178.231	71.669	35.413	1632.987	257.32	608.401	366.827	855.433	586.057	1209.09998	3.83	142.3743	109.92					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1192.97998	3.72	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1189.71997	3.75	NA	NA					
651.263	337.858	178.294	71.86	35.109	1639.535	260.712	611.768	368.708	857.897	589.675	1210.19995	3.84	142.663	109.11					
652.075	338.997	179.461	71.82	35.411	1643.77	260.678	612.914	369.166	859.758	589.388	1193.45996	3.75	142.7875	109.4					
644.741	343.312	180.226	72.179	35.557	1644.288	260.222	618.368	369.235	858.977	588.267	1156.18005	3.61	143.099	108.89					
636.85	336.773	179.9	71.946	34.939	1623.807	255.437	615.168	363.911	846.961	575.579	1119.77002	3.56	143.3194	108.97					
635.578	330.221	179.43	71.72	34.729	1620.177	256.353	616.441	363.205	846.115	575.976	1124.17004	3.61	143.4324	108.81					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1110.13001	3.63	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1090.37	3.69	NA	NA					
630.534	331.292	181.143	72.38	34.934	1622.947	255.869	616.689	363.683	844.405	576.595	1119.65002	3.69	143.3746	108.54					
642.597	327.197	181.918	72.576	35.493	1640.799	258.165	618.653	366.521	854.101	583.931	1113.33997	3.67	142.9773	108.64					
647.109	331.415	182.152	72.147	35.668	1639.404	256.682	620.481	367.072	861.025	586.159	1065.55005	3.69	142.9698	110.53					
652.15	332.637	181.279	72.395	35.83	1629.244	256.856	620.127	367.236	865.667	585.337	1063.66003	3.63	142.6124	110.43					
650.908	329.197	180.891	72.531	34.995	1608.928	252.327	613.723	364.894	859.92	577.838	1019.54999	3.55	142.5952	109.93					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	991.580017	3.55	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	998.119995	3.57	NA	NA					
644.783	329.201	180.647	72.124	35.075	1603.42	251.648	612.798	364.088	856.5	576.661	993	3.23	142.6041	109.34					
654.539	328.267	180.274	72.132	35.27	1607.296	253.843	609.18	364.128	855.17	580.23	979.320007	3.65	142.2244	109.56					
658.358	327.353	180.848	72.385	35.269	1609.752	252.085	608.782	365.561	858.428	584.721	958.909973	3.66	142.2092	109.17					
654.167	325.456	179.256	71.989	35.064	1613.811	250.29	604.54	364.346	855.155	585.728	957.380005	3.61	142.3771	108.81					
653.844	323.026	177.808	71.454	34.74	1616.723	249.684	606.007	364.2	857.961	579.911	944.51001	3.56	142.3658	107.88					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	945.909973	3.57	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	950.400024	3.6	NA	NA					
644.928	318.064	178.19	71.441	34.443	1601.871	247.233	603.272	361.532	850.65	568.628	940.799988	3.62	142.4052	107.19					
638.53	321.048	178.252	71.685	34.498	1598.583	247.709	603.012	360.836	846.698	566.155	921.340027	3.5	142.461	106.33					
630.511	313.239	178.907	71.09	34.343	1591.945	246.142	600.947	358.103	838.837	563.819	990.849976	3.68	142.2844	107.09					
638.688	308.325	175.992	70.068	33.759	1584.6	245.434	596.144	356.994	840.676	563.839	987.909973	3.74	142.2257	107.34					
644.418	310.732	173.07	69.116	34.148	1573.471	242.385	590.433	355.879	832.748	566.385	953.77002	3.7	141.9184	107.18					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	943.849976	3.7	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	959.789978	3.73	NA	NA					
653.713	318.873	173.819	69.465	34.524	1584.989	244.278	592.541	358.28	842.097	574.663	942.190002	3.76	141.6514	106.86					
645.502	318	173.301	68.962	34.353	1583.172	243.877	587.086	356.231	842.053	572.493	938.109985	3.78	141.5406	106.53					
664.943	321.532	173.463	69.764	34.033	1553.578	239.239	587.221	357.431	841.999	577.016	918.950012	3.76	141.4638	106.55					
650.315	314.574	171.527	69.111	33.023	1553.807	237.109	585.33	354.364	838.159	569.762	900.530029	3.75	141.3262	105.16					
669.57	319.752	170.433	68.859	33.018	1560.271	238.55	592.125	356.685	850.076	576.131	861.98999	3.81	141.2775	105.66					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	856.48999	3.62	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	861.51001	3.66	NA	NA					
697.051	326.131	170.863	69.275	33.356	1563.528	241.321	597.602	360.449	857.257	584.461	860.77002	3.65	141.3623	105.47					
697.754	324.434	170.931	69.751	32.77	1559.023	242.039	596.716	361.542	858.004	589.909	859.849976	3.63	141.2595	105.24					
693.071	327.878	169.631	69.305	32.607	1556.753	238.056	589.155	360.655	853.416	593.878	836.719971	3.48	141.5834	105.65					
674.031	322.339	169.586	69.094	32.268	1536.328	236.239	588.691	356.167	841.354	586.236	838.049988	3.52	141.9333	105.17					
668.505	326.479	169.752	69.717	32.293	1528.016	234.498	586.217	355.236	837.777	578.551	862.570007	3.61	141.7967	104.22					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	862.01001	3.63	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	864.590027	3.65	NA	NA					
682.301	324.049	169.241	68.96	32.792	1543.343	237.87	585.503	356.68	843.542	578.076	841.109985	3.67	141.8785	102.85					
674.886	323.758	169.319	69.419	32.527	1547.382	237.489	587.758	356.881	839.238	578.476	843.650024	3.66	141.9974	102.44					
680.391	319.52	170.784	70.71	32.776	1545.624	238.779	585.509	357.119	837.695	575.417	827.909973	3.64	142.3393	102.46					
684.791	323.038	170.505	70.785	32.69	1546.797	233.691	580.924	356.489	831.387	574.241	855.159973	3.7	142.592	101.59					
685.135	316.52	171.018	70.389	33.056	1551.9	233.744	584.223	356.973	832.468	573.605	789.559998	3.72	142.3731	101.39					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	777.51001	3.7	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	770.390015	3.71	NA	NA					
695.527	319.982	170.936	70.998	32.946	1560.301	235.526	587.472	359.831	838.954	581.526	781.570007	3.74	142.1678	101.7					
698.16	317.789	171.213	71.256	32.72	1549.863	231.468	582.74	356.552	830.199	576.692	771.5	3.82	142.1368	100.66					
704.782	320.202	171.746	71.878	33.189	1555.324	234.348	585.965	358.84	837.267	592.935	750.869995	3.84	141.8877	101.19					
696.061	320.454	171.92	71.95	32.804	1552.319	233.785	586.293	357.954	830.67	585.039	866.429993	4.33	141.9442	100.42					
700.847	316.314	171.589	72.026	32.763	1558.847	232.973	587.157	357.594	833.091	581.432	859.780029	4.14	141.8786	100.12					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	866.140015	3.82	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	854.119995	3.73	NA	NA					
708.206	322.27	173.027	73.335	32.757	1547.663	231.16	587.927	359.42	833.832	579.149	846.849976	3.67	141.9991	99.69					
713.234	326.12	173.231	72.775	32.452	1537.548	231.713	588.931	359.619	834.96	577.354	941.380005	4.08	142.0503	99.7					
710.524	319.236	172.055	72.693	32.388	1533.228	232.288	586.926	359.274	835.756	575.666	1073.81006	4.27	142.058	98.63					
720.893	312.844	171.791	72.436	32.695	1538.489	233.376	584.751	359.763	834.905	579.693	990.369995	4.3	142.2112	98.57					
707.142	315.005	174.084	73.467	33.109	1545.592	234.515	586.519	357.284	833.557	572.953	973.47998	4.31	142.5861	97.95					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	946.469971	4.22	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	913.700012	4.06	NA	NA					
696.876	313.648	172.578	73.291	31.933	1534.413	233.448	584.777	355.51	828.664	565.048	913.450012	4.13	142.5047	97.13					
696.495	315.777	171.176	72.231	31.408	1532.96	233.147	581.46	354.376	828.486	563.818	930.840027	4.26	142.4591	97.02					
704.199	317.08	170.263	71.82	31.373	1536.477	234.756	581.158	355.619	830.26	569.784	936.440002	4.32	142.4853	96.91					
696.291	323.51	170.657	72.668	31.082	1527.925	234.804	580.916	354.513	827.328	570.203	888.460022	4.11	142.2535	97.36					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	570.553	863.070007	4.01	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	858.599976	4.06	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	855.02002	4.32	NA	NA					
689.536	323.785	170.196	72.405	30.791	1521.969	233.629	579.144	353.97	825.985	570.553	881.880005	4.25	142.0313	97.02					
690.897	319.731	169.074	71.95	30.959	1524.329	230.49	578.059	353.816	827.02	569.753	825.530029	3.52	142.011	96.28					
690.759	318.256	169.37	72.354	30.707	1528.854	233.918	580.923	354.553	826.344	571.962	796.26001	3.54	142.1127	97.31					
694.29	321.715	168.343	72.228	30.345	1530.322	233.264	582.253	355.239	825.45	570.311	776.289978	3.53	142.1687	95.42					
683.97	322.506	168.867	71.842	29.971	1523.713	233.767	579.476	353.552	828.32	566.821	764.640015	3.52	141.9625	96.11					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	759.179993	3.5	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	760.049988	3.52	NA	NA					
690.54	327.224	166.566	71.47	30.212	1514.153	230.494	578.023	353.938	826.634	565.122	752.859985	3.45	141.9503	96.07					
685.999	319.759	165.398	70.632	29.691	1517.209	227.68	572.882	352.684	821.57	562.222	747.909973	3.47	141.7209	96.31					
688.263	312.083	167.642	71.207	29.24	1499.112	222.014	575.004	349.719	812.211	555.813	739.26001	3.43	141.851	96.16					
692.875	316.443	168.369	71.582	28.963	1496.011	221.878	579.816	351.414	814.49	555.175	740.039978	3.44	141.6567	96.87					
699.578	312.895	166.586	70.224	28.355	1478.612	219.234	571.635	347.835	810.969	550.134	739.27002	3.46	141.5758	96.07					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	740.659973	3.44	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	736.73999	3.46	NA	NA					
680.098	317.612	168.459	71.145	28.421	1486.013	219.808	572.1	349.315	813.218	553.616	734.109985	3.5	141.6556	96.25					
669.937	317.967	165.396	69.631	29.021	1470.008	219.373	564.117	346.066	807.602	554.865	730.169983	3.49	141.318	95.86					
665.285	307.99	165.246	69.157	29.996	1449.807	216.512	559.534	341.888	794.355	543.435	722.179993	3.44	141.5376	96.83					
659.111	306.591	164.413	68.323	29.946	1440.104	213.834	557.141	338.839	781.608	526.085	717.940002	3.32	141.6749	96.27					
661.336	305.952	163.308	67.471	30.527	1444.819	212.236	555.25	335.678	778.337	522.243	714.700012	3.31	141.8106	94.77					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	732.25	3.7	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	727.75	3.67	NA	NA					
652.582	300.855	164.18	67.756	30.605	1439.429	207.002	551.749	333.824	771.755	510.648	730.590027	3.67	141.7835	95.26					
654.188	304.742	164.241	67.334	31.372	1451.2	209.663	550.761	335.387	772.98	513.233	709.969971	3.68	141.8703	95.36					
633.567	303.928	167.509	68.359	32.015	1475.268	213.343	567.306	336.249	776.488	515.139	703.650024	3.63	142.3669	96.12					
600.173	311.532	168.824	68.722	32.314	1486.106	212.704	568.747	335.052	766.205	517.736	691.609985	3.66	142.4264	95.77					
609.255	308.178	168.61	68.461	32.327	1488.033	212.233	567.644	334.064	765.01	517.682	695.090027	3.67	142.3382	95.79					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	693.330017	3.67	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	696.549988	3.68	NA	NA					
618.452	310.177	167.257	68.328	32.062	1498.51	213.851	568.662	336.663	774.394	522.004	701.900024	3.68	142.1743	96.44					
633.996	311.716	166.335	68.257	31.745	1498.928	215.249	561.777	336.121	774.232	521.82	700.76001	3.72	142.0813	97.43					
629.651	316.518	166.316	68.22	30.438	1483.119	214.854	563.474	335.073	769.445	519.565	705.330017	3.68	142.2465	96.55					
627.437	317.529	165.495	68.282	29.996	1486.975	213.651	564.022	335.312	771.087	523.352	707.349976	3.7	142.0402	96.17					
624.096	315.098	164.661	67.748	30.563	1476.489	212.134	564.357	334.461	771.04	520.472	694.840027	3.7	141.715	95.6					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	688.200012	3.66	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	708.450012	3.64	NA	NA					
613.807	316.234	165.047	68.038	30.502	1465.549	212.003	563.226	333.633	772.84	515.767	704.570007	3.65	141.577	96.22					
620.367	317.181	164.503	68.451	30.694	1443.489	208.481	566.452	334.666	774.285	514.617	694.200012	3.61	141.6972	95.47					
618.385	311.612	162.876	67.472	30.329	1431.234	206.442	562.552	332.617	768.999	512.432	694.090027	3.62	141.5363	96.42					
619.781	318.707	163.522	67.99	30.367	1417.27	204.604	556.835	333.246	777.827	513.917	663.659973	3.61	141.738	96.59					
596.744	311.208	160.938	67.291	29.847	1412.95	204.588	557.493	332.261	774.873	509.756	657.940002	3.6	141.4654	96.68					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	647.23999	3.57	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	647.530029	3.46	NA	NA					

594.972	312.011	162.938	67.786	30.062	1422.744	203.354	564.005	331.576	773.71	509.084	660.609985	3.51	141.7101	97.15					
605.935	306.945	161.775	67.081	29.47	1438.015	206.203	563.004	333.068	775.962	499.51	657.799988	3.5	142.1882	96.71					
587.706	306.189	167.276	68.495	30.16	1453.653	206.585	581.153	333.881	773.964	505.785	661.01001	3.52	142.5823	96.26					
572.346	302.277	169.261	68.588	32.582	1451.926	205.999	585.151	329.229	762.408	508.008	646.539978	3.49	142.6807	96.81					
574.403	300.006	168.12	68.506	35.151	1452.331	206.027	578.654	328.174	759.709	507.635	637.73999	3.49	142.6625	96.84					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	639.950012	3.5	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	631.840027	3.51	NA	NA					
567.091	290.241	166.347	67.779	33.935	1435.693	200.978	576.626	323.293	749.698	496.923	632.02002	3.5	142.6788	96.68					
573.118	296.703	168.033	68.525	34.09	1433.186	202.281	577.848	326.053	751.855	499.41	618.440002	3.45	142.6041	96.64					
566.044	288.549	167.583	68.006	34.62	1442.169	203.833	586.248	325.986	760.628	501.538	662.530029	3.68	142.8084	98.42					
580.86	288.835	167.142	67.832	35.936	1457.481	205.065	592.167	329.787	767.859	514.829	658.539978	3.66	142.4228	98.31					
588.608	286.747	170.155	68.972	36.905	1487.609	209.086	596.086	333.148	773.452	521.121	634.140015	3.59	142.586	98.66					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	628.47998	3.59	NA	NA					
597.054	289.143	169.048	69.04	36.76	1506.623	209.617	603.498	334.979	776.177	523.474	645.130005	3.66	142.5595	99.27					
601.331	281.377	168.915	68.87	36.822	1512.799	211.055	615.215	335.873	771.645	522.743	628.119995	3.58	142.7505	99.88					
614.536	286.965	171.883	70.116	36.856	1517.626	213.916	614.214	335.992	770.032	522.207	628.719971	3.64	143.212	100.79					
627.991	279.76	174.633	71.466	37.043	1523.077	211.767	622.779	337.369	779.767	519.518	620.559998	3.57	143.3771	101.13					
629.149	282.614	174.493	71.623	37.381	1539.172	213.642	624.951	338.564	778.747	520.472	601.590027	3.56	143.5525	101.11					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600.169983	3.54	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	599.900024	3.54	NA	NA					
634.996	279.651	173.729	71.269	37.159	1549.712	212.95	631.587	338.583	781.272	516.062	601.690002	3.53	143.5235	101.02					
633.757	281.911	173.589	71.508	37.046	1515.913	213.116	631.365	338.57	781.766	519.265	582.169983	3.46	143.3414	101.25					
627.926	272.457	171.779	70.941	37.167	1521.994	214.046	630.771	337.923	780.278	514.221	579.090027	3.45	143.445	100.27					
619.82	271.505	171.71	70.938	36.768	1527.364	214.155	625.824	336.772	779.608	510.915	576.289978	3.47	143.2671	99.49					
620.676	260.346	169.066	69.499	36.477	1503.289	211.528	621.413	331.851	771.304	508.474	582.039978	3.51	143.1191	99.19					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	581.179993	3.5	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	585.219971	3.54	NA	NA					
627.554	260.605	170.678	70.214	36.406	1514.247	212.545	625.103	334.35	777.512	509.73	582.640015	3.51	143.2484	98.9					
619.602	255.428	169.817	69.798	35.493	1509.158	209.361	616.952	330.167	768.922	503.48	583.049988	3.55	143.3476	99.48					
621.146	259.384	168.036	68.789	35.925	1514.315	213.75	619.198	332.979	772.556	511.249	574.849976	3.49	143.3589	99.36					
617.697	255.22	169.216	69.254	36.07	1530.078	225.271	625.507	334.548	774.368	513.998	579.330017	3.44	143.354	99.49					
624.102	248.677	171.225	69.499	37.361	1539.237	229.987	624.669	336.305	778.039	517.975	582.23999	3.47	143.4076	99.7					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	556.090027	3.42	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	552.880005	3.43	NA	NA					
607.633	250.653	170.576	69.614	37.261	1527.797	226.932	618.867	334.005	773.366	512.046	555.590027	3.43	143.3864	100.27					
602.361	261.324	171.592	70.837	38.051	1548.007	228.879	625.674	337.134	781.57	517.904	556.119995	3.48	143.8108	100.25					
599.802	269.463	174.832	72.309	37.774	1552.31	230.223	630.716	338.514	780.863	519.216	550.679993	3.45	143.8343	100.89					
596.616	269.349	178.895	74.459	37.885	1562.301	231.96	640.337	340.283	783.095	516.945	549.960022	3.44	144.1359	101.24					
587.415	273.689	180.497	74.908	37.555	1552.374	230.67	636.791	337.46	775.013	506.742	546.710022	3.44	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	546.900024	3.42	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	545.719971	3.42	NA	NA					
583.701	274.838	180.418	75.259	37.369	1548.239	231.201	637.626	337.055	772.226	506.662	549.890015	3.46	144.4708	100.16					
580.485	274.601	180.774	74.927	37.426	1545.039	227.449	638.25	336.905	765.354	501.424	545.299988	3.42	144.2794	101.26					
547.599	279.984	182.193	75.557	37.282	1554.063	227.013	643.849	336.494	766.203	501.543	540.340027	3.43	144.3593	101.06					
542.712	276.421	181.891	75.55	36.899	1544.359	225.812	639.376	334.125	756.682	495.481	541.75	3.44	144.361	99.95					
551.702	276.92	181.211	74.947	37.238	1541.583	225.652	633.926	334.069	758.129	498.454	542.140015	3.43	144.1109	100.91					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	541.299988	3.44	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	536.01001	3.4	NA	NA					
561.276	281.436	182.039	75.616	37.518	1557.994	227.85	637.495	339.206	768.85	509.271	539.340027	3.44	144.0287	101.18					
564.394	285.563	182.603	75.863	37.976	1573.858	229.476	639.329	341.652	771.723	512.15	537.900024	3.39	143.8324	99.83					
551.151	282.36	179.515	74.2	37.433	1543.26	223.489	628.716	336.398	761.332	501.267	531.299988	3.36	143.6859	100.5					
542.991	281.436	181.092	74.479	37.71	1535.962	221.389	626.799	334.991	760.491	497.827	533.969971	3.35	143.7182	99.56					
553.267	290.779	180.386	74.016	37.611	1529.366	220.474	625.206	335.342	759.232	499.55	544.619995	3.42	143.6588	99.85					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	543.909973	3.41	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	545.159973	3.43	NA	NA					
543.368	293.518	180.243	73.398	37.119	1510.344	217.686	619.638	332.035	754.444	492.515	542.789978	3.38	143.7847	99.68					
547.047	292.949	179.369	73.561	37.213	1524.977	219.137	621.195	334.34	759.79	503.383	544.210022	3.4	143.4206	99.45					
551.111	292.309	179.158	73.846	37.131	1518.125	216.417	613.317	332.521	763.174	501.216	541.640015	3.4	143.3582	99.45					
549.38	296.425	178.913	74.163	37.131	1514.256	217.169	614.236	332.809	761.849	502.663	544	3.39	143.558	99.83					
567.28	298.318	180.271	75.406	37.247	1517.096	217.25	618.477	336.252	758.636	505.877	544.450012	3.35	143.365	100.1					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	541.299988	3.42	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	539.559998	3.44	NA	NA					
577.184	304.836	180.463	76.157	37.488	1523.978	220.918	620.162	339.49	770.14	514.198	556.530029	3.55	143.8274	100.7					
582.155	302.922	185.296	78.069	37.838	1541.975	222.077	626.996	343.265	781.191	516.906	554.619995	3.56	144.3268	100.92					
577.882	293.294	187.282	78.366	38.193	1543.377	226.853	633.228	344.304	789.422	521.616	556.030029	3.53	144.3778	101.51					
575.342	292.862	186.141	78.427	37.946	1538.959	224.508	633.813	343.238	783.614	515.394	547.179993	3.57	144.0944	101.13					
584.252	290.609	185.635	78.255	38.142	1544.762	226.688	635.608	344.334	783.341	514.236	542.75	3.52	144.0967	101.98					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	542.179993	3.56	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	542	3.56	NA	NA					
573.466	290.349	185.595	78.381	37.864	1539.694	228.047	637.026	344.05	783.511	514.36	531.47998	3.47	144.2195	101.92					
567.785	284.688	183.748	77.997	37.424	1512.373	226.619	624.055	337.542	776.622	507.225	513.849976	3.41	144.0798	100.94					
573.012	277.969	183.437	77.215	37.275	1506.282	226.427	622.388	337.392	778.778	507.129	510.220001	3.42	144.3035	102.33					
578.709	281.861	183.907	76.771	37.548	1523.047	229.255	627.624	338.61	784.033	508.469	513.070007	3.41	144.2531	101.67					
581.849	279.949	184.754	76.372	37.234	1497.229	227.169	626.263	337.128	778.867	502.116	516.429993	3.39	144.1107	100.95					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	512.320007	3.34	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	511.980011	3.33	NA	NA					
585.311	278.722	184.081	76.429	37.57	1500.942	226.986	625.969	337.629	780.456	505.439	508.910004	3.31	144.1911	100.51					
576.001	278.642	184.029	76.68	37.322	1485.41	226.32	623.351	335.932	775.075	500.121	516.419983	3.39	144.2499	100.69					
585.584	284.565	184.535	77.338	37.414	1495.58	228.92	624.944	338.805	779.876	507.472	511.390015	3.34	144.2745	100.28					
588.365	279.108	185.349	76.882	37.139	1492.96	227.898	625.11	337.491	777.025	505.855	515	3.4	144.2313	100.89					
578.35	278.518	183.471	76.084	37.491	1484.267	225.415	621.779	334.416	770.576	501.831	516.059998	3.52	144.0864	101.52					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	519.159973	3.24	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	513.719971	3.18	NA	NA					
584.045	275.777	183.756	75.602	36.188	1488.509	225.726	622.691	334.143	767.596	501.75	515.090027	3.17	144.2693	100.82					
583.552	277.696	184.2	76.143	36.087	1487.232	225.522	623.626	336.825	771.548	506.798	509.320007	3.19	144.1324	100.86					
568.998	273.091	182.364	75.356	33.538	1482.55	223.664	623.421	334.366	765.946	504.1	507.429993	3.17	144.016	100.49					
575.781	276.861	183.975	75.809	33.867	1489.961	228.159	624.297	337.126	774.188	509.815	508.649994	3.22	144.2793	100.76					
569.685	282.039	186.115	76.641	34.29	1501.757	229.977	629.053	339.773	769.407	517.339	515.919983	3.22	144.3838	100.81					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	509.209991	3.19	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	510.880005	3.25	NA	NA					
574.304	287.131	186.344	76.859	34.07	1498.295	229.489	628.866	339.807	767.8	514.056	525.390015	3.3	144.3266	100.37					
566.735	280.778	185.625	76.182	34.016	1502.721	229.698	627.261	340.323	770.198	517.816	527.150024	3.32	144.4329	100.83					
561.791	280.476	184.484	76.636	33.81	1494.946	228.251	624.192	337.74	763.781	514.964	529.849976	3.38	144.2989	100.83					
564.028	284.812	184.485	76.638	34.091	1499.459	229.18	625.216	338.41	766.481	515.739	530.469971	3.35	144.1791	100.44					
549.239	278.446	182.495	76.792	33.336	1472.726	226.847	624.747	335.399	751.253	505.255	531.419983	3.39	144.1319	99.92					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	537.130005	3.43	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	539.900024	3.43	NA	NA					
537.872	279.411	183.268	77.108	33.326	1479.912	226.447	628.963	335.185	746.803	505.611	534.72998	3.43	144.2808	99.54					
528.043	273.6	182.534	76.535	33.235	1472.475	225.33	626.204	331.722	734.758	491.237	522.719971	3.4	144.0097	99.4					
520.6	272.693	180.256	75.837	32.382	1465.754	223.897	625.851	329.399	735.733	489.152	524.539978	3.42	143.9757	99.21					
513.481	274.93	181.707	76.398	31.858	1468.257	223.616	627.026	329.334	733.512	487.626	509.899994	3.41	144.0798	99.28					
527.048	278.823	182.853	76.995	32.485	1488.551	227.128	631.624	333.588	743.123	500.987	457.190002	3.21	144.3414	99.61					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	535.119995	3.42	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	555.890015	3.55	NA	NA					
536.702	281.697	182.749	77.221	32.589	1491.973	229.294	638.906	335.685	744.238	502.52	585.320007	3.63	144.055	99.98					
538.606	279.505	181.199	76.335	32.831	1487.759	229.773	628.38	333.45	739.609	497.195	588.609985	3.65	144.1777	100.07					
556.007	279.076	180.336	76.686	32.569	1485.396	231.817	632.602	336.695	746.203	510.647	591.919983	3.56	144.0112	99.87					
545.53	273.576	179.716	76.437	32.217	1476.147	230.067	640.972	335.142	745.795	499.651	593.150024	3.6	143.9929	98.61					
542.972	277.024	179.466	76.392	31.946	1467.584	229.147	637.629	334.831	743.987	491.824	594.109985	3.6	143.7806	99.56					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	594.340027	3.65	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	603.099976	3.71	NA	NA					
559.331	271.021	177.924	75.529	32.192	1455.101	227.478	636.041	334.267	741.883	487.329	600.929993	3.71	143.8381	99.35					
571.575	274.687	177.532	75.202	32.046	1453.718	228.04	633.612	334.543	740.789	489.589	594.419983	3.65	143.8076	100.32					
555.359	287.67	178.528	75.41	32.252	1447.101	228.075	630.86	334.738	739.594	488.049	604.080017	3.76	143.995	101.09					
556.925	286.716	177.126	74.164	31.762	1486.296	223.637	628.432	331.362	737.44	476.142	606.219971	3.77	144.0197	100.41					
557.882	292.854	176.66	73.542	31.575	1486.04	225.723	631.082	332.611	743.327	481.851	611.559998	3.8	143.9456	100.91					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	610.710022	3.76	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	614.5	3.78	NA	NA					
549.346	290.04	175.661	73.442	31.658	1372.648	213.188	629.538	331.78	741.693	479.401	603.559998	3.77	144.0008	100.51					
551.808	295.886	175.96	73.703	31.985	1379.285	213.791	631.315	332.421	739.453	481.849	604.76001	3.78	144.1796	99.9					
545.655	285.725	175.133	73.266	31.931	1356.558	211.739	633.361	329.842	728.086	471.579	597.150024	3.73	144.1069	100.83					
546.441	288.648	174.409	73.143	32.025	1360.438	209.628	635.276	330.249	727.023	476.962	598.039978	3.74	144.1214	100.05					
535.534	278.334	175.158	72.909	31.793	1356.756	208.179	633.545	326.782	722.906	459.974	610.549988	3.8	144.4993	98.46					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	589.049988	3.72	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	589.179993	3.7	NA	NA					
522.548	271.996	171.173	70.748	30.87	1329.693	202.903	630.976	321.462	707.424	451.375	595.039978	3.8	144.3194	98.44					
514.366	266.809	168.1	68.394	30.547	1297.568	197.111	628.928	316.381	697.07	434.628	606.77002	3.8	144.2629	97.88					
495.157	261.384	168.078	67.242	30.228	1282.678	195.255	624.105	313.014	694.814	432.364	581.369995	3.71	144.44	96.71					
509.784	271.978	170.555	69.105	30.949	1292.227	198.936	629.65	318.271	707.552	436.073	613.049988	4.07	144.1871	98.09					
540.032	277.413	172.931	71.287	31.377	1303.383	202.639	634.994	323.816	717.489	450.788	608.309998	4.05	143.9263	98.92					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	611.719971	4.07	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	599.400024	3.91	NA	NA					
542.031	281.139	173.447	73.168	32.013	1308.973	205.578	637.916	326.279	721.24	459.983	630.640015	4.11	143.929	99.12					
536.45	273.455	172.29	73.101	31.609	1304.051	205.506	636.248	323.891	713.136	444.632	609.289978	3.9	143.7445	97.85					
524.557	269.55	171.693	72.627	31.086	1303.722	201.575	623.167	320.581	705.419	444.605	607.76001	3.82	143.8801	96.65					
501.397	265.152	167.794	70.424	30.135	1275.062	196.029	604.397	311.029	691.785	444.179	575.330017	3.65	143.7559	95.44					
491.48	255.22	165.554	67.727	29.147	1243.832	190.477	597.082	303.348	681.001	437.554	587.5	3.69	143.7893	95.31					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	592.130005	3.82	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	574.820007	3.76	NA	NA					
520.693	302.405	170.265	72	30.431	1303.889	202.658	604.337	316.522	701.943	463.219	608.109985	3.86	143.6805	97.13					
557.96	360.467	176.363	82.7	32.387	1379.841	207.465	628.819	340.185	739.473	506.004	605.309998	3.96	142.8395	99.49					
547.804	352.074	174.896	81.522	31.988	1357.992	205.364	627.19	335.163	729.201	493.792	550.640015	3.44	142.9467	98.84					
544.311	351.069	174.353	81.304	31.299	1361.735	203.733	625.719	333.972	728.359	494.052	527.590027	3.54	142.908	98.19					
544.471	351.229	172.724	80.163	31.793	1349.471	202.528	620.996	331.7	723.662	494.828	597.469971	4.3	142.9572	97.57					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	648.840027	4.67	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	676.869995	4.92	NA	NA					
523.37	331.168	167.754	76.44	31.023	1307.188	196.408	602.073	320.154	705.132	473.791	672.900024	4.96	143.1918	97.61					
499.342	321.67	166.722	75.454	29.823	1297.474	196.518	603.909	315.51	703.314	466.869	664.309998	5.18	143.2525	96.83					
513.592	328.35	168.669	76.58	30.39	1309.858	197.746	603.532	317.989	707.804	469.918	683.48999	5.02	143.0924	97.85					
510.701	327.121	168.104	76.285	30.06	1307.132	193.339	596.472	315.115	700.118	466.568	617.049988	4.62	143.2079	96.67					
525.397	335.389	171.157	78.139	30.817	1324.234	196.966	603.749	321.323	708.375	475.689	613.280029	4.62	142.929	98.66					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	623.02002	4.67	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	592.23999	4.66	NA	NA					
539.663	341.308	173.964	79.366	31.444	1345.911	198.268	613.852	327.345	715.468	486.156	529.179993	4.4	142.8657	100.37					
548.264	354.068	177.693	81.251	32.513	1378.801	203.082	626.195	335.424	729.081	496.32	515.559998	4.31	142.8123	102.07					
564.504	354.797	177.007	81.275	32.707	1385.016	203.333	631.168	338.565	737.499	504.521	509.929993	4.18	142.7741	100.94					
551.516	360.754	176.25	81.192	33.203	1396.446	205.579	634.381	340.084	741.287	510.163	510.299988	4.19	142.6124	100.77					
531.342	359.308	174.444	80.456	33.128	1381.589	203.558	630.27	336.225	728.448	499.957	508.619995	4.22	142.6876	99.03					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	514.349976	4.41	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	506.190002	4.24	NA	NA					
516.421	364.615	174.039	80.585	33.094	1382.183	203.435	627.757	335.157	725.544	499.272	504.859985	4.21	142.5549	99.19					
522.034	366.309	173.15	80.26	33.2	1394.47	204.354	632.805	338.072	730.868	511.086	500.790009	4.29	142.3054	99.77					
524.945	363.129	173.814	80.45	33.213	1398.185	203.693	632.656	337.79	724.82	506.007	482.390015	4.19	142.4321	99.48					
532.8	370.381	173.97	81.64	33.135	1405.32	206.731	635.056	341.028	724.099	513.129	480.809998	4.2	142.1887	100.14					
533.525	373.308	174.73	82.727	32.953	1402.901	206.904	638.822	343.544	730.496	515.652	477.48999	4.12	142.2634	98.59					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	476.459991	4.1	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.48999	3.97	NA	NA					

534.843	373.841	174.573	82.732	32.968	1401.348	206.471	637.383	343.078	727.492	510.71	471.079987	4.08	142.5035	99.28
536.094	372.773	173.92	82.395	32.365	1398.211	204.833	635.997	342.401	728.231	512.67	423.329987	3.96	142.2947	99.45
546.452	376.55	173.072	82.275	32.389	1391.118	204.853	634.99	342.075	727.934	505.752	404.149994	3.65	142.1735	98.55
531.053	367.22	173.163	82.395	31.647	1379.233	200.43	627.528	337.71	725.036	496.653	402.429993	3.57	142.2442	98.67
525.227	360.056	170.869	80.588	31.122	1351.692	196.792	614.461	330.67	710.798	484.923	399.380005	3.55	142.3466	98.19
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	394.799988	3.53	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	391.660004	3.5	NA	NA	
528.524	354.179	170.246	80.376	31.316	1345.657	194.959	616.674	331.856	722.065	491.231	395.609985	3.51	142.2025	98.08	
528.789	354.427	169.693	79.193	31.022	1327.834	191.693	611.135	327.915	715.447	485.638	395.470001	3.46	142.1357	96.89	
534.626	357.499	171.474	79.74	31.144	1336.958	194.284	615.535	331.552	735.842	486.529	393.48999	3.47	142.3989	96.42	
528.909	350.614	170.893	79.771	31.221	1326.024	190.35	613.43	328.801	732.689	486.895	403.600006	3.56	142.296	97.56	
528.465	348.821	169.925	79.235	31.532	1327.855	191.438	618.133	328.72	733.822	499.916	402.410004	3.54	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	401.910004	3.54	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	404.940002	3.72	NA	NA	
522.591	345.129	169.788	79.262	31.449	1327.634	189.234	619.484	328.563	733.867	501.667	403.339996	3.55	142.4945	98.16	
535.566	349.62	168.449	78.831	31.637	1324.543	186.624	617.999	327.146	727.55	500.875	403.420013	3.49	142.4348	96.98	
536.767	353.448	169.235	79.284	31.797	1327.983	190.043	617.79	328.652	741.161	505.744	400.649994	3.4	142.5775	97.87	
532.798	355.783	170.12	80.617	31.731	1333.869	191.205	621.867	329.995	744.031	509.423	397.23999	3.4	142.4698	97.75	
525.061	347.559	170.625	80.473	31.408	1331.678	194.199	618.566	327.122	741.07	499.615	397.209991	3.35	142.3675	97.12	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	406.709991	3.6	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	402.660004	3.44	NA	NA	
539.225	343.32	168.617	79.545	30.87	1308.243	191.942	611.105	325.781	737.182	497.243	403.049988	3.49	142.3738	94.93	
541.135	347.855	168.32	79.299	30.692	1314.272	195.015	611.85	326.904	736.194	493.414	404.140015	3.37	142.0252	94.68	
536.017	348.203	167.328	78.558	30.489	1312.837	194.097	601.997	325.787	732.616	495.788	394.079987	3.27	142.0547	94.48	
539.114	349.073	168.184	79.164	30.577	1323.3	196.029	607.265	329.389	741.864	502.251	389.940002	3.26	141.8753	94.83	
563.821	360.941	169.59	79.762	31.286	1336.636	200.889	611.267	334.884	752.286	515.68	393.399996	3.3	141.7797	95.56	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	387.01001	3.22	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	395.390015	3.22	NA	NA	
571.234	360.995	168.845	79.548	32.036	1328.929	200.307	609.906	335.147	756.8	513.65	391.170013	3.24	141.888	94.76	
577.709	375.099	170.147	80.498	30.833	1366.949	206.818	624.039	342.264	769.845	532.478	399.160004	3.48	142.0306	95.56	
575.087	373.466	169.75	80.374	30.578	1372.428	205.109	623.972	341.684	770.202	529.455	397.709991	3.37	141.5931	94.63	
560.125	365.373	169.755	80.404	30.362	1361.018	202.457	624.923	340.615	770.731	524.32	396.5	3.51	141.7679	94.45	
563.959	361.246	167.938	79.262	30.053	1369.345	202.427	627.916	340.009	778.315	522.636	414.230011	3.73	142.0632	94.24	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.290009	3.39	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	408.149994	3.21	NA	NA	
575.093	360.508	166.63	78.036	30.32	1373.007	204.204	626.215	341.768	782.55	524.748	400.929993	2.95	141.9662	93.66	
576.342	358.37	167.738	78.855	30.169	1373.214	204.154	629.807	342.81	785.7	535.77	397.700012	2.96	142.0345	91.27	
577.284	366.179	170.441	79.92	30.352	1383.594	210.67	638.674	343.86	786.468	532.466	398.359985	2.95	142.4215	93.52	
574.298	364.345	170.496	79.552	31.241	1384.661	214.364	636.304	342.386	781.628	526.334	390.890015	2.91	142.2306	93.78	
551.926	360.551	168.911	79.116	30.822	1363.044	211.292	624.873	337.537	765.956	511.821	383.980011	2.88	142.4595	93.59	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	379.01001	2.87	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	378.390015	2.89	NA	NA	
547.639	360.615	169.374	79.235	30.875	1357.199	213.593	623.732	336.225	762.388	504.355	382.209991	2.9	142.3519	94.04	
553.819	364.637	170.162	79.818	31.343	1363.9	215.556	617.722	337.434	762.403	513.192	380.940002	2.89	142.3004	93.73	
555.104	365.506	171.886	80.759	30.866	1358.252	218.345	613.625	336.526	758.168	510.015	377.089996	2.85	142.3372	94.21	
528.286	358.9	171.284	79.061	30.937	1338.15	211.869	604.892	328.439	739.485	493.488	375.470001	2.84	142.3529	94.83	
519.806	359.235	173.26	79.187	31.08	1324.953	213.488	602.16	326.776	732.553	488.012	374.279999	2.84	142.611	95.08	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370.899994	2.82	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	369.670013	2.81	NA	NA	
512.161	357.178	172.905	78.472	31.198	1328.885	214.512	603.628	325.739	727.911	482.56	368.390015	2.86	142.52	94.39	
496.075	357.499	171.157	77.46	30.716	1333.495	210.996	603.85	321.968	717.823	477.113	369.119995	2.81	142.4321	93.45	
499.555	359.593	171.832	78.092	31.254	1350.777	210.999	606.288	324.421	725.568	488.63	370.929993	2.85	142.2814	95.05	
492.454	368.653	170.598	77.731	30.993	1339.356	209.897	606.124	322.018	722.299	488.758	371.179993	2.83	142.4435	94.11	
504.926	375.162	170.446	78.341	31.503	1362.198	214.012	614.723	328.184	737.69	508.486	372.660004	2.84	142.2172	95.91	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	369.649994	2.86	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	369.75	2.89	NA	NA	
513.119	374.079	170.921	77.95	31.675	1361.421	212.629	608.869	326.968	734.482	510.786	369.950012	2.91	142.121	97.13	
526.363	376.213	171.814	79.034	31.754	1377.629	214.255	613.232	331.159	745.575	524.099	367.350006	2.86	142.2106	97.92	
531.085	377.698	172.159	79.695	32.182	1381.948	216.398	622.804	334.626	752.432	529.632	367.410004	2.85	142.2335	97.64	
504.815	375.067	170.203	78.931	31.38	1368.424	211.944	616.406	330.212	742.253	517.152	364.779999	2.86	142.1884	97.31	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	514.465	369.519989	2.87	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	381.549988	2.97	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	374.119995	2.9	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	514.465	373.369995	2.93	NA	NA	
522.897	368.971	167.884	77.554	31.689	1364.698	209.518	610.705	328.684	739.785	514.465	372.429993	2.87	142.1033	98.46	
530.299	372.113	169.818	78.718	31.814	1378.356	213.555	616.954	333.438	750.879	525.742	372.589996	2.93	141.8043	98.95	
552.239	367.243	169.47	79.268	31.865	1366.84	213.871	612.064	333.712	746.271	526.358	371.48999	2.92	141.9916	98.73	
553.221	374.991	170.331	80.257	31.864	1355.286	212.124	611.645	334.237	742.23	522.51	366.869995	2.84	142.0612	97.63	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	367.089996	2.83	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.470001	2.82	NA	NA	
564.333	377.997	170.078	80.327	32.18	1363.066	213.773	612.842	335.136	734.008	525.391	364.429993	2.8	141.9447	96.09	
565.479	369.95	171.013	79.992	32.241	1353.31	211.361	606.378	334.113	730.39	520.06	371.529999	2.9	141.5449	95	
550.979	377.528	170.332	79.042	31.733	1366.4	212.488	606.7	334.309	733.732	525.369	372.320007	2.94	141.3765	95.93	
540.652	371.622	169.215	78.808	31.41	1362.724	211.916	609.194	334.025	731.616	514.292	374.070007	2.97	141.4045	94.92	
563.795	376.434	169.495	79.158	31.529	1363.742	212.699	612.694	337.721	736.779	517.74	373.950012	2.95	141.7084	95.46	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	367.829987	2.93	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	367.350006	2.91	NA	NA	
563.681	375.959	166.731	77.88	31.136	1346.103	210.653	609.316	335.312	728.33	509.805	375.709991	3.01	141.3533	92.89	
548.242	364.73	162.124	75.837	30.54	1323.783	206.602	600.731	326.881	710.43	490.097	373.029999	2.96	141.9173	92.02	
561.292	370.372	161.786	75.556	30.992	1341.015	208.825	609.374	332.352	728.688	510.637	375.019989	2.96	142.083	92.9	
560.309	370.49	161.593	75.688	30.737	1331.762	208.8	602.698	330.768	723.966	510.466	373.899994	2.94	142.2546	92.15	
590.172	378.141	163.276	76.512	31.578	1340.496	213.192	606.302	334.195	727.295	524.402	375.23999	2.94	142.0395	91.9	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	366.459991	2.9	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360.160004	2.86	NA	NA	
569.823	380.647	163.834	77.347	31.731	1346.433	213.328	608.378	335.049	725.981	527.623	371.519989	2.95	142.1391	91.43	
536.484	370.361	162.914	77.167	32.351	1335.333	212.345	601.021	332.66	721.378	522.626	384.179993	3.05	142.087	91.16	
519.787	377.865	162.739	77.033	32.429	1359.835	214.058	604.608	333.98	722.725	516.677	390.290009	3.09	142.0103	91.6	
514.771	378.897	163.201	76.265	32.698	1363.661	213.559	604.514	331.799	723.639	507.09	397.450012	3.1	142.4885	91.75	
507.965	375.516	161.971	75.223	32.052	1340.194	210.145	596.968	327.195	710.647	492.355	398.290009	3.1	142.4815	90.26	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	393.279999	3.1	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	393.980011	3.1	NA	NA	
492.177	369.326	160.817	74.474	31.705	1335.834	207.36	591.812	324.755	710.915	483.646	391.059998	3.09	142.2817	91.11	
461.672	371.524	159.912	74.089	31.044	1324.667	204.577	591.9	319.816	696.71	470.378	383.820007	3.02	142.2984	90.43	
440.048	362.557	157.397	72.898	30.407	1292.879	201.037	591.872	313.728	686.959	467.047	383.309998	3.02	142.4635	90.76	
453.366	370.107	160.049	74.654	31.161	1329.104	204.663	602.213	321.011	702.268	484.668	380.850006	3.06	142.2611	91.03	
456.822	368.78	161.759	75.899	30.818	1338.616	205.699	602.961	324.9	712.998	495.382	393.630005	3.09	142.1986	91.41	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	391.079987	3.05	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	394.959991	3.08	NA	NA	
444.377	374.645	159.987	76.017	30.133	1322.077	201.351	596.545	319.535	701.898	485.43	376.200012	2.9	142.2231	90.59	
461.187	375.735	159.104	75.8	30.513	1320.932	204.03	599.571	322.099	703.591	491.796	379.01001	2.9	141.9512	90.5	
472.079	363.305	157.835	75.469	30.379	1304.495	200.809	599.261	321.865	697.093	490.324	373.619995	2.85	141.979	89.85	
444.051	352.473	154.777	73.735	29.414	1273.497	194.857	591.774	313.571	680.35	471.559	364.230011	2.85	142.1144	89.47	
465.229	351.051	155.67	74.283	29.788	1275.55	195.112	595.217	314.959	688.971	472.415	357.070007	2.81	142.0067	88.35	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	357.959991	2.8	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	344.5	2.75	NA	NA	
446.894	339.685	151.769	72.081	28.437	1239.693	189.871	580.818	305.809	673.344	452.403	339.839996	2.71	142.2693	86.68	
428.603	339.738	149.546	71.179	28.722	1227.414	187.79	572.273	297.276	661.54	442.376	334.100006	2.49	142.3776	85.66	
453.712	353.666	152.632	74.052	29.575	1271.469	192.661	590.467	308.438	678.134	454.813	336.790009	2.72	141.9142	86.93	
456.282	340.385	148.201	72.279	28.558	1256.151	193.157	585.675	302.744	668.777	447.829	333.179993	2.7	142.0523	84.89	
477.608	335.49	149.96	74.026	26.845	1249.13	193.724	588.201	307.691	675.772	452.769	331.899994	2.72	141.9935	87.61	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	335.480011	2.73	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	336.649994	2.78	NA	NA	
512.158	354.571	156.482	76.646	29.605	1294.563	202.491	602.367	319.099	694.01	471.968	344.769989	2.8	141.716	90.77	
505.633	359.273	158.824	77.8	29.834	1320.228	206.724	614.583	321.791	695.773	466.977	348.869995	2.85	141.6058	90.26	
487.94	367.74	160.642	78.724	30.094	1335.552	207.676	628.797	322.248	695.721	476.375	333.170013	2.76	141.6612	89.86	
486.623	378.703	160.987	78.554	30.265	1349.531	208.802	639.717	327.242	696.178	481.255	342.950012	2.78	141.5758	91.11	
507.039	383.062	162.247	79.886	31.174	1373.527	214.181	642.395	334.068	706.851	491.595	342.570007	2.84	141.5665	92.3	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.26001	2.84	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	349.269989	2.86	NA	NA	
506.75	367.819	161.715	79.49	31.476	1375.688	221.188	636.448	334.672	711.408	493.827	351.059998	2.87	141.4599	93.01	
504.961	361.075	157.778	77.457	29.625	1339.906	215.526	621.71	327.569	701.603	494.818	348.899994	2.86	141.0887	91.54	
478.466	376.402	158.441	77.793	30.164	1376.246	221.99	628.173	332.567	711.718	510.312	363.670013	3.02	141.0986	90.86	
484.454	383.044	159.78	78.775	29.948	1358.399	225.101	626.913	331.574	715.243	507.174	361.880005	2.92	141.0741	90.63	
470.783	382.61	159.688	78.738	29.814	1362.34	223.451	622.127	328.748	712.699	500.554	363.26001	2.87	140.8877	91.02	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	373.670013	2.95	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	359.76001	2.84	NA	NA	
489.979	386.776	159.159	78.554	29.694	1349.744	223.604	622.639	330.627	717.164	506.784	358.230011	2.82	140.9827	89.03	
469.139	381.479	153.307	75.574	28.681	1332.32	215.402	605.014	320.901	700.35	498.003	378.660004	2.98	140.8538	87.37	
445.787	375.385	151.028	74.523	28.992	1317.106	210.818	592.091	314.881	687.342	482.269	380.929993	3.18	140.7495	87.74	
479.923	384.417	155.876	76.558	30.398	1347.812	213.248	606.863	325.345	703.984	499.061	349.220001	2.79	140.4502	89.1	
475.421	377.098	153.812	76.358	28.594	1321.504	209.072	599.209	321.154	698.299	491.572	355.220001	2.81	140.4843	88.71	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	352.529999	2.8	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	356.130005	2.83	NA	NA	
479.912	378.588	155.282	77.026	28.211	1313.661	207.587	596.417	322.538	702.791	492.306	343.910004	2.92	140.3533	88.88	
496.151	388.947	159.341	78.91	30.415	1361.899	216.675	603.463	331.918	719.199	506.172	397.040009	3.22	140.3049	89.82	
492.275	402.75	161.98	80.394	31.088	1378.336	220.027	616.637	337.031	728.234	526.879	399.570007	3.23	140.0687	90.94	
481.013	406.508	162.484	80.004	31.403	1385.672	219.726	613.237	335.707	726.23	532.65	412.730011	3.26	139.8808	91.38	
481.777	404.932	160.884	79.649	30.656	1348.661	218.338	613.278	332.85	713.763	521.239	415.179993	3.3	140.1758	91.01	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410.070007	3.25	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.170013	3.27	NA	NA	
489.219	405.167	161.218	79.682	31.143	1342.713	216.12	608.006	334.044	720.47	520.301	415.820007	3.31	140.112	90.81	
509.44	402.498	163.303	80.959	31.876	1351.87	219.002	616.762	339.126	731.901	527.039	419.309998	3.29	140.3286	90.93	
538.335	417.147	166.78	83.249	32.537	1372.333	222.997	629.628	346.876	749.457	544.753	401.230011	3.21	140.2117	93.27	
559.867	415.846	168.38	84.245	32.917	1372.183	226.721	635.708	351.3	761.613	559.984	401.799988	3.21	139.9464	93.25	
569.74	407.311	168.399	82.943	32.885	1363.255	225.663	627.758	349.264	762.286	562.275	400.140015	3.22	139.7602	91.73	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	396.660004	3.2	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	399.809998	3.22	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	588.281	400.519989	3.22	NA	NA	
574.463	411.113	171.343	84.036	33.213	1409.323	231.575	637.445	358.069	787.975	588.281	396.940002	3.18	NA	NA	
578.281	415.311	171.57	84.679	33.269	1412.256	232.535	643.508	359.852	790.863	589.684	391.970001	3.18	139.5228	93.56	
587.367	414.494	172.209	85.123	33.397	1421.258	233.103	645.68	361.713	790.263	594.469	395.160004	3.18	139.9881	92.85	
580.146	408.742	169.559	84.102	32.777	1398.062	229.159	637.305	356.707	785.332	586.071	384.320007	3.18	139.684	92.33	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	387.799988	3.24	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	381.709991	3.15	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	592.501	414.880005	3.29	NA	NA	
588.51	409.276	169.782	84.645	33.084	1401.394	230.88	640.131	358.365	790.102	592.501	414.869995	3.29	NA	NA	
592.327	409.839	169.745	84.374	33.025	1403.328	231.665	639.135	358.46	790.882	592.524	405.299988	3.27	139.7621	92.4	
564.738	404.816	167.207	82.818	32.513	1376.566	227.441	624.91	349.261	771.824	578.534	397.600006	3.14	140.1398	91.74	
554.78	407.351	167.038	83.008	32.697	1379.21	227.705	627.856	349.478	769.745	576.032	400.170013	3.16	140.0147	91.43	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	407.26001	3.25	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	424.75	3.41	NA	NA	
560.7	403.883	168.712	84.29	32.985	1386.528	224.959	635.951	353.389	782.462	580.279	425.070007	3.41	139.936	90.9	
572.749	402.269	168.547	84.996	33.218	1396.429	227.884	642.551	356.855	793.144	587.362	418.480011	3.44	139.7711	91.27	
586.638	396.863	166.407	84.245	32.868	1371.94	224.412	633.845	352.547	778.01	571.801	413.980011	3.35	139.5676	91.86	
583.9	397.92	165.437	83.796	31.722	1379.3	226.218	631.598	351.707	775.721	567.769	421.850006	3.45	139.5636	92.45	
565.021	386.392	161.531	81.894	30.947	1348.177	219.494	620.346	342.1	755.003	550.577	401.059998	3.27	139.9082	90.36	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	395.589996	3.28	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	393.890015	3.28	NA	NA	

575.624	389.403	164.591	83.127	30.718	1371.646	224.563	629.775	348.141	767.12	565.253	404.579987	3.46	139.8927	89.77					
595.309	394.196	167.245	84.532	31.68	1391.441	228.418	641.962	355.472	782.983	584.387	379.720001	3.33	139.6819	89.62					
587.301	393.129	167.224	85.075	32.098	1388.29	231.31	644.29	356.49	780.874	583.262	377.309998	3.32	139.5932	90.57					
573.36	395.939	168.37	85.604	32.015	1399.756	233.984	646.796	357.951	787.883	580.633	376.839996	3.34	139.6051	91.45					
587.448	400.636	170.71	86.54	32.246	1413.845	239.805	656.75	364.475	800.968	594.378	363.799988	3.33	139.4637	92.14					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	361.73999	3.2	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	352.720001	3.2	NA	NA					
612.119	393.654	167.793	85.814	32.062	1397.992	239.011	649.424	362.801	793.231	587.083	334.910004	3.13	139.3424	90.83					
624.879	390.031	168.566	86.022	32.022	1401.004	239.82	652.327	364.265	797.039	584.092	331.709991	3.12	140.5735	91.84					
639.484	399.077	172.551	89.387	32.361	1436.766	246.468	675.742	375.791	824.462	605.492	339.899994	3.22	140.6969	92.75					
646.661	392.211	174.428	89.938	32.198	1434.535	244.775	672.433	375.784	831.192	610.053	342.329987	3.23	140.3625	93.22					
643.474	390.973	173.264	89.026	32.305	1432.389	244.899	674.423	376.858	851.066	616.401	357.200012	3.43	140.4824	92.28					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	351.089996	3.49	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	337.089996	3.34	NA	NA					
640.307	389.742	173.631	88.819	31.763	1425.964	242.246	675.818	375.04	846.553	602.407	340.899994	3.42	140.5028	91.95					
647.957	390.105	173.08	88.438	30.805	1427.087	241.836	677.601	375.646	852.924	601.162	336.429993	3.47	140.4267	92.13					
633.996	381.133	171.98	88.452	30.896	1420.798	236.565	674.743	372.227	845.247	587.67	308.839996	3.11	140.3648	90.25					
637.633	379.011	169.473	86.764	30.817	1401.283	233.27	664.845	367.289	830.115	577.06	300.149994	2.95	140.3166	90.08					
630.541	392.318	171.842	88.774	31.054	1417.131	237.111	669.31	371.879	842.201	580.766	304.01001	2.95	140.1383	90.74					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	304.269989	3	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	305.75	3.02	NA	NA					
630.727	398.878	173.033	90.234	30.911	1423.435	238.001	670.003	373.235	845.472	580.45	301.920013	2.94	140.2983	89.44					
644.564	401.613	171.45	89.673	30.875	1422.411	235.762	663.933	372.463	841.805	576.884	304.279999	2.93	140.2813	88.06					
650.205	397.553	170.104	88.705	31.048	1408.419	235.374	664.239	370.925	834.976	570.275	315.920013	2.99	140.2834	87.94					
636.099	402.79	170.315	89.126	31.084	1407.807	234.821	665.317	371.36	841.711	568.809	314.690002	3.08	140.1091	88.53					
622.163	394.983	167.422	86.851	30.511	1382.578	231.133	648.957	362.519	819.122	556.099	309.679993	3	139.9664	88.28					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	298.410004	2.87	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	309.630005	2.97	NA	NA					
613.167	402.208	165.715	86.225	29.811	1390.594	229.148	645.09	361.394	815.835	555.483	312.609985	3.05	139.7935	88.12					
620.591	403.397	167.031	86.515	30.102	1401.189	233.096	650.481	364.293	817.965	555.961	309.100006	3.04	139.7573	88.01					
641.866	409.105	168.999	87.689	30.231	1406.209	235.491	656.076	370.302	830.524	564.952	286.209991	2.78	139.6233	88.84					
653.541	406.119	168.201	86.907	30.225	1386.436	233.509	643.354	367.991	821.425	567.505	315.329987	2.95	139.6372	88.37					
658.376	404.266	168.014	87.227	30.26	1393.092	238.016	638.971	367.719	821.845	562.83	352.130005	3.16	139.0493	89.26					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	346.220001	3.17	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	357.929993	3.26	NA	NA					
655.12	410.772	171.441	89.078	30.187	1396.573	237.767	644.144	371.565	833.633	575.878	342.730011	3.22	139.6803	88.4					
667.628	405.374	171.973	89.845	29.817	1403.022	235.334	644.174	370.372	824.814	565.154	349.519989	3.53	139.7937	87.81					
718.756	404.205	172.576	89.335	28.656	1393.105	236.317	644.389	371.932	823.36	562.724	368.089996	3.82	139.8756	88.06					
692.533	399.916	173.022	89.858	28.822	1394.438	233.256	638.402	370.081	825.682	575.261	360.019989	3.98	139.9481	87.91					
669.813	391.184	173.934	91.193	29.019	1377.115	230.658	635.106	368.464	821.827	577.415	318.5	3.57	139.8708	87.66					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	296.089996	3.5	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	282.410004	3.23	NA	NA					
669.13	385.156	173.273	91.32	28.493	1368.509	229.281	637.125	367.096	813.799	568.863	296.649994	3.47	140.1723	86.6					
665.74	384.003	173.572	91.513	28.497	1359.016	228.259	634.631	367.273	813.936	561.51	284.679993	3.55	140.4108	86.53					
680.838	393.822	173.646	91.18	28.214	1353.351	224.678	629.48	367.396	807.519	563.263	276.790009	2.81	140.5179	86.9					
652.799	393.771	171.478	90.382	27.905	1337.023	221.986	622.334	363.645	796.255	558.046	265.790009	2.76	140.2365	86.8					
682.835	394.677	172.018	90.655	28.239	1343.633	226.401	626.795	367.535	808.783	562.357	257.790009	2.8	140.1822	87.19					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260.049988	2.78	NA	NA					
692.503	390.628	171.701	90.669	27.954	1343.349	230.75	626.703	368.898	810.332	566.533	255.850006	2.79	140.1804	86.65					
685.749	384.013	169.102	89.752	27.543	1325.974	230.455	616.885	361.916	789.996	549.54	250.320007	2.79	139.7192	86.42					
671.009	383.037	163.946	87.83	27.42	1308.597	224.83	602.589	354.964	768.964	535.496	246.460007	2.78	139.5336	84.83					
673.85	383.625	163.466	87.459	27.119	1288.626	219.991	606.794	354.889	761.539	528.639	234.779999	2.7	139.784	84.66					
680.055	387.553	162.986	87.436	27.049	1283.107	221.828	608.401	356.35	765.288	531.244	237.440002	2.71	139.8847	84.92					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	232.529999	2.69	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	229.589996	2.61	NA	NA					
695.805	382.627	162.2	86.194	26.745	1278.721	220.721	602.49	355.213	760.919	528.275	235.509995	2.66	139.9285	84.9					
709.354	375.871	162.957	85.808	26.96	1267.068	221.094	601.628	353.263	760.258	532.266	230.509995	2.71	139.953	84.93					
701.213	371.597	162.844	84.757	26.415	1237.626	213.494	593.499	348.304	747.537	526.138	223.130005	2.69	139.8405	84.61					
696.816	370.288	164.667	84.588	26.862	1242.738	216.424	592.55	350.809	758.239	532.307	220.169998	2.74	139.8393	84.72					
710.186	366.877	165.534	84.857	26.822	1201.643	220.023	579.535	354.067	769.501	539.806	218.229996	2.83	139.5731	85.52					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216.490005	2.75	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217.259995	2.79	NA	NA					
732.294	364.165	164.558	85.069	27.691	1200.718	220.566	579.933	355.064	773.127	533.672	215.610001	2.71	139.6605	84.74					
717.92	366.721	164.287	85.466	27.276	1191.023	220.63	578.208	353.899	768.665	522.875	215.570007	2.69	139.8446	84.61					
721.452	362.512	163.809	85.356	27.081	1191.429	218.718	578.736	353.24	766.736	518.44	215.380005	2.7	139.5603	84.42					
692.486	379.179	165.15	86.265	26.445	1199.219	218.611	578.078	352.622	766.461	502.844	216.630005	2.74	139.7193	84.93					
665.707	383.259	164.709	86.47	26.167	1189.139	217.759	582.66	350.486	762.647	492.47	218.479996	2.75	139.9555	84.39					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214.490005	2.67	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	212.639999	2.66	NA	NA					
626.946	368.839	161.211	84.055	25.116	1158.951	211.873	569.562	340.318	745.49	481.094	212.559998	2.68	139.8559	83.93					
627.864	370.719	160.755	83.418	25.089	1151.136	210.473	563.543	338.783	742.482	481.634	211.220001	2.63	139.7937	84.23					
619.535	374.579	163.014	84.349	24.82	1160.657	214.375	567.666	340.165	750.493	482.383	212.929993	2.68	139.6874	84.09					
611.671	366.709	161.087	82.78	24.039	1137.683	206.998	554.473	331.991	734.555	467.759	211.139999	2.68	139.6409	83.97					
601.559	375.49	161.599	83.358	23.453	1148.094	205.733	561.684	334.229	733.667	469.288	211.190002	2.65	139.5281	85.18					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.229996	2.68	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207.770004	2.53	NA	NA					
612.233	381.285	163.94	84.893	24.117	1161.094	212.149	565.153	341.675	750.855	487.168	209.169998	2.54	139.4666	84.69					
604.983	373.077	160.58	82.728	23.205	1132.767	204.482	551.229	332.45	730.791	475.455	209.729996	2.54	139.6534	83.81					
623.782	386.079	162.352	83.11	24.471	1145.48	208.994	564.668	339.639	744.248	491.799	208.809998	2.56	139.6739	85.33					
638.05	376.321	162.142	82.127	24.157	1145.613	209.119	558.99	339.314	744.3	486.679	205.529999	2.55	139.0133	85.3					
656.194	386.436	164.51	83.594	25.1	1172.34	214.339	575.847	350.093	768.97	527.022	206.440002	2.49	138.7341	86.16					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	202.460007	2.41	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	204.800003	2.48	NA	NA					
651.29	384.132	164.022	82.618	24.926	1161.513	213.572	571.659	347.233	755.74	550.754	203.710007	2.45	139.2342	85.96					
666.67	385.002	162.689	82.487	25.505	1181.433	217.334	580.249	353.382	775.244	569.201	205.789993	2.61	138.8678	86.06					
673.036	386.992	162.464	82.213	25.509	1180.919	218.688	577.252	354.006	782.427	566.796	204.490005	2.56	138.537	85.81					
645.746	384.241	161.877	81.378	25.429	1164.278	217.252	538.242	348.737	777.655	562.117	202.850006	2.44	138.9728	86.17					
626.699	382.796	162.55	81.685	25.558	1158.984	214.622	532.581	346.089	774.32	554.32	204.699997	2.44	139.5469	86.82					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	204.139999	2.46	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	203.399994	2.47	NA	NA					
633.09	382.594	163.183	82.362	25.6	1157.571	213.572	534.335	348.161	776.173	555.335	209.309998	2.53	139.3818	86.95					
653.273	384.37	164.726	84.05	25.87	1163.986	216.22	541.024	351.637	782.424	558.777	212.809998	2.61	138.8735	86.55					
680.734	384.19	164.84	84.538	25.926	1175.074	218.428	549.414	355.871	791.659	562.769	212.220001	2.62	138.867	87.49					
670.681	373.37	163.722	83.674	25.552	1166.636	217.602	539.106	351.246	788.05	554.244	213.289993	2.62	138.8942	87.22					
666.193	369.245	162.098	82.532	25.131	1158.038	214.256	536.44	347.169	778.802	539.624	217.949997	2.74	138.9604	86.53					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214.710007	2.73	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	215.570007	2.73	NA	NA					
668.512	367.491	162.775	82.408	25.233	1153.666	213.241	534.6	345.596	773.055	534.568	211.320007	2.58	138.739	86.15					
699.78	368.46	165.23	84.508	26.101	1181.239	217.72	546.936	354.395	795.542	548.8	207.190002	2.45	138.2845	86.96					
683.227	354.513	161.475	83.136	25.612	1158.501	209.906	537.497	346.228	776.857	531.227	203.589996	2.37	138.3503	86.63					
691.039	345.526	159.86	81.88	25.397	1166.39	209.195	532.6	345.353	773.954	534.271	204.710007	2.49	138.7781	86.01					
696.254	353.028	163.785	84.061	25.963	1190.727	213.639	548.761	354.913	792.253	548.423	202.539993	2.51	139.1893	87.39					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	206.190002	2.57	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	204.649994	2.51	NA	NA					
698.12	351.288	162.896	83.948	26.079	1191.013	215.362	548.193	355.378	792.166	554.452	205.059998	2.58	138.7112	87.05					
666.533	357.061	163.549	84.522	26.317	1188.59	214.074	542.853	354.322	790.891	557.307	208.179993	2.59	138.7796	87.19					
634.561	345.251	159.128	82.258	25.373	1168.253	205.62	528.968	342.581	764.611	540.11	199.839996	2.57	139.3492	85.75					
625.18	345.111	160.606	84.216	25.355	1200.715	209.317	538.215	348.537	790.199	546	200.809998	2.68	139.0714	84.5					
594.463	327.471	155.332	81.088	23.464	1142.274	197.461	518.223	334.577	754.552	518.219	194.679993	2.66	139.451	80.29					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	186.009995	2.6	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	201.669998	3.04	NA	NA					
642.51	344.475	164.319	86.509	24.428	1198.496	207.364	547.735	353.397	789.296	542.163	204.490005	3.16	139.4512	85.62					
653.556	358.947	168.4	89.11	25.338	1232.428	212.937	569.74	365.112	813.826	553.813	207.259995	3.24	139.3011	88.31					
661.652	365.848	171.615	90.548	27.575	1257.285	218.563	584.118	372.73	832.653	566.613	212.130005	3.28	139.6714	90.37					
676.959	372.034	173.294	91.9	27.778	1262.569	225.31	595.163	379.332	853.154	580.878	206.990005	3.14	139.7099	91.91					
684.961	366.715	172.615	91.139	27.361	1261.233	223.117	591.962	378.526	854.027	585.445	230.009995	3.55	139.6959	92.43					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	234.690002	3.66	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	236.589996	3.66	NA	NA					
688.349	366.096	172.283	90.569	27.329	1263.741	221.502	592.704	377.564	856.825	588.141	239.009995	3.58	139.707	91.45					
701.749	365.247	170.274	89.699	27.201	1263.855	224.023	594.48	377.978	857.37	586.467	241.479996	3.62	139.7413	91.16					
701.873	359.217	166.748	88.489	26.554	1255.269	220.708	588.699	374.384	849.722	581.556	238.630005	3.49	139.711	88.98					
700.768	369.199	168.38	90.274	27.468	1289.994	228.924	607.438	384.578	879.455	605.746	242.770004	3.65	139.4547	92.38					
711.581	371.676	169.643	91.335	28.103	1312.184	232.57	617.591	390.517	900.23	631.388	245.759995	3.65	139.3058	93.1					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	241.679993	3.63	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	243.910004	3.61	NA	NA					
717.891	370.162	168.409	90.532	27.708	1297.28	228.793	615.227	387.844	894.512	627.732	240.199997	3.59	138.4047	92.23					
708.465	371.91	169.216	90.874	28.29	1313.758	232.108	621.955	391.342	903.157	626.856	256.25	3.8	138.3338	93.14					
719.521	375.947	169.645	90.857	28.498	1321.883	236.042	624.079	394.471	907.354	631.301	255.710007	3.72	138.6126	93.86					
715.707	367.91	168.189	90.24	28.134	1305.869	232.831	613.452	389.468	894.631	615.872	259.359985	3.99	139.4176	93.26					
721.592	371.092	167.497	89.457	28.642	1303.424	236.693	617.027	390.163	892.847	611.543	261.290009	4.02	139.175	92.65					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	259.149994	3.91	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258.160004	3.86	NA	NA					
735.084	361.443	165.851	88.485	28.193	1299.707	237.695	603.32	387.279	883.753	606.055	258.019989	3.81	139.2106	92.07					
744.142	362.199	166.405	88.873	28.219	1303.872	238.348	609.902	387.19	877.267	603.17	259.320007	4.14	139.0755	92.03					
729.507	364.727	165.763	88.646	29.766	1295.743	231.87	617.958	384.909	875.421	606.905	263.440002	4.14	139.013	92.21					
707.574	364.362	164.285	87.973	29.513	1296.303	230.934	610.787	381.017	866.393	608.625	262.690002	4.35	138.9373	92					
698.601	357.548	162.714	86.803	29.365	1290.729	233.152	604.49	377.091	857.56	601.697	264.959991	4.47	139.1263	90.84					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	263.329987	4.15	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	263.940002	4.2	NA	NA					
715.14	367.297	165.559	88.381	30.293	1326.302	237.226	622.229	385.571	880.763	619.038	262.290009	4.22	138.9056	92.29					
723.048	371.849	164.926	88.183	30.302	1332.059	239.513	631.029	388.872	893.614	632.894	260.920013	4.16	138.9213	91.51					
733.502	373.897	167.417	89.416	30.534	1329.087	237.257	639.726	390.984	896.932	635.271	251.5	3.44	138.642	91.61					
746.403	367.201	168.403	89.59	29.908	1334.775	242.912	641.003	393.277	905.136	640.608	253.169998	3.47	138.8342	91.1					
729.962	371.788	169.698	90.656	30.164	1350.427	244.826	647.454	397.208	914.117	642.017	251.979996	3.47	138.7476	90.27					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	255	3.6	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	252.699997	3.39	NA	NA					
745.626	372.82	169.717	90.908	29.991	1335.126	242.842	647.349	396.054	910.948	638.393	254.259995	3.67	138.5898	91.06					
756.311	370.52	169.368	90.223	30.323	1337.596	240.481	645.724	395.837	912.125	639.75	257.200012	3.45	138.4066	90.57					
751.014	369.809	166.95	88.707	29.722	1320.578	241.653	639.031	390.545	903.298	627.058	254.960007	3.34	138.3048	90.17					
757.446	368.73	166.229	88.064	29.498	1311.361	238.437	635.276	388.909	899.343	629.944	259.230011	3.82	138.1056	89.06					
743.772	365.613	166.863	87.917	29.546	1305.527	238.671	630.754	387.179	895.515	634.963	260.869995	4.21	137.8954	89.06					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	264.019989	4.22	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	278.880005	4.65	NA	NA					
729.203	357.802	162.519	85.205	28.867	1277.435	234.997	620.267	379.735	881.955	631.354	262.049988	3.95	138.3204	88.06					
733.068	349.575	160.622	84.006	27.755	1256.903	232.868	608.067	372.324	856.406	620.353	256.450012	3.96	138.8775	87.46					
724.927	336.87	157.786	82.033	27.038	1230.384	227.676	595.33	364.425	837.45	605.619	245	7.11	139.1424	86.68					
713.402	339.858	157.588	82.51	27.069	1220.157	228.83	594.962	364.312	833.807	617.526	243.809998	5.53	138.8803	86.72					
756.224	341.415	157.198	82.543	27.625	1230.397	234.389	599.569	370.095	849.553	635.229	242.820007	4.93	138.8665	87.2					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	244.220001	4.92	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	244.460007	4.36	NA	NA					
769.311	344.216	158.816	83.879	28.042	1242.65	236.478	603.971	374.712	862.015	642.83	234.330002	3.7	138.5515	87.76					
783.446	347.725	157.68	83.419	28.128	1252.03	237.299	608.181	376.681	863.362	645.161	231.160004	3.77	138.2822	86.82					
779.757	349.453	159.093	84.48	28.202	1266.32	242.278	611.87	378.295	868.984	653.832	229.789993	3.67	138.393	87.16					
788.471	340.649	156.467	83.036	27.125	1246.142	236.107	600.074	372.781	854.469	635.733	233.669998	3.53	138.3656	86.21					
796.969	342.554	157.093	83.798	27.089	1266.729	240.158	606.746	377.37	866.008	642.99	237.179993	3.73	138.3486	86.78					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	229.240005	3.36	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	225.779999	2.75	NA	NA					

806.259	352.975	160.513	85.752	27.823	1301.823	249.44	622.981	387.657	893.537	669.059	223.520004	2.72	137.9851	88.06
815.886	352.965	159.318	85.037	27.759	1306.01	250.48	623.767	387.209	889.317	666.221	217.059998	2.58	138.0213	87.02
824.553	352.331	159.415	85.276	27.498	1301.089	250.379	625.54	388.101	892.415	664.211	215.5	2.51	137.9815	86.82
829.417	349.825	159.393	85.76	27.718	1316.627	253.415	622.985	389.58	901.209	670.782	214.949997	2.51	137.9187	87.03
805.361	350.304	157.189	84.44	27.465	1305.71	249.847	612.81	385.062	893.529	662.073	217.070007	2.61	138.177	85.91
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216.919998	2.64	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.610001	2.6	NA	NA
802.244	342.246	155.957	82.96	26.748	1273.151	244.704	604.964	376.788	865.736	638.811	214.449997	2.62	138.3639	85.63
799.574	335.62	155.687	82.809	26.587	1272.285	242.808	603.205	375.415	869.214	634.716	215.110001	2.47	138.6985	85.64
824.12	333.263	156.7	82.874	26.47	1277.947	244.131	601.885	375.037	857.949	633.218	217.309998	2.72	138.1944	85.85
818.296	337.161	158.37	84.353	26.603	1282.079	245.864	601.705	376.735	860.712	644.114	216.639999	2.52	138.3225	84.69
821.696	339.75	157.464	83.943	25.883	1273.156	242.781	595.595	374.349	853.37	640.428	217.110001	2.44	138.104	85.2
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.270004	1.78	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	205.199997	1.75	NA	NA
834.537	345.98	160.976	84.546	26.595	1293.274	247.308	601.763	380.554	867.68	654.326	203.639999	1.63	137.6638	86.74
841.987	345.426	162.188	85.978	26.707	1303.163	248.629	608.421	384.126	880.729	660.81	203.610001	1.57	137.2564	87.52
847.638	345.31	160.081	84.309	26.903	1289.274	247.707	602.46	381.993	877.283	656.1	203.289993	1.59	137.1777	87.68
836.742	340.219	158.154	83.133	26.124	1277.725	247.236	595.016	375.321	856.92	638.097	201.830002	1.55	137.8206	87.64
844.439	342.669	157.063	82.59	26.187	1290.356	249.124	595.671	376.793	856.831	631.971	202.360001	1.6	137.8961	88.26
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	201.320007	1.59	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.779999	1.56	NA	NA
842.554	346.39	158.583	83.33	26.833	1303.773	252.567	587.518	380.339	868.074	643.925	201.929993	1.58	137.8972	88.28
840.507	346.668	161.343	84.635	27.018	1315.112	255.721	592.123	383.894	881.85	651.946	201.320007	1.57	137.5449	88.55
869.842	347.498	160.502	83.965	27.393	1325	254.944	597.317	387.103	890.177	658.084	198.800003	1.49	138.7089	88.84
875.232	348.429	163.585	85.698	26.983	1326.765	255.467	599.952	387.574	885.784	655.157	200.360001	1.51	139.122	88.8
864.434	353.233	166.606	88.098	26.996	1334.901	258.924	611.512	391.45	897.006	664.302	203.869995	1.51	139.6431	90.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	204.190002	1.44	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.440002	1.47	NA	NA
872.331	352.33	164.412	87.488	28.028	1329.057	257.924	611.309	390.8	894.843	661.943	212.070007	1.63	139.5601	90.09
878.181	360.199	166.711	89.004	28.087	1346.652	262.381	624.946	397.432	914.26	677.052	214.449997	1.64	138.9078	90.48
895.798	360.154	168.972	89.376	28.142	1346.961	258.442	625.314	399.372	922.718	688.664	215.369995	1.68	139.4108	91.55
889.034	351.435	167.634	88.205	27.81	1332.744	253.179	619.506	394.378	907.427	680.254	213.850006	1.67	138.8716	90.19
900.255	343.232	169.069	88.661	27.614	1342.984	253.921	624.143	397.25	918.928	687.577	214.449997	1.64	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	212.639999	1.6	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214.139999	1.61	NA	NA
902.316	343.696	169.335	88.823	27.828	1343.84	254.405	623.875	398.423	919.277	688.295	210.320007	1.56	139.1337	90.46
902.923	343.475	170.168	89.179	27.88	1350.14	255.731	623.375	398.605	920	690.128	212.330002	1.62	138.4196	89.92
880.765	347.943	172.103	89.893	27.57	1359.522	254.84	622.242	397.179	917.88	690.503	209.300003	1.32	138.6713	89.4
879.198	351.481	173.838	91.09	27.398	1353.675	252.909	621.555	395.632	916.486	690.401	207.690002	1.32	138.9441	89.63
892.972	349.878	170.394	88.188	27.188	1334.1	247.929	607.664	389.246	898.775	666.766	205.050003	1.31	138.4138	89.68
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	203.179993	1.29	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	205.240005	1.28	NA	NA
884.907	353.412	170.185	88.76	26.807	1320.065	246.214	604.426	387.721	890.711	655.292	206.399994	1.29	138.3384	88.18
911.971	353.035	168.236	87.913	26.742	1326.632	246.794	605.988	389.157	894.812	665.49	209.020004	1.28	138.0099	87.34
911.601	348.632	167.313	87.006	26.736	1310.595	246.117	598.442	386.831	883.117	656.505	208.619995	1.3	138.413	87.39
891.267	347.827	165.885	86.238	26.936	1314.421	247.015	600.149	387.353	890.248	662.127	208.800003	1.3	138.6349	87.5
881.84	360.842	168.679	87.292	27.056	1332.36	249.995	612.355	392.415	904.234	678.697	215.169998	1.3	138.6974	88.21
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	215.369995	1.27	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	212.960007	1.3	NA	NA
869.449	361.591	168.703	87.006	26.798	1325.2	248.832	609.254	391.2	906.787	680.99	214.759995	1.29	138.7461	87.36
861.247	351.339	162.518	83.237	26.57	1302.98	240.772	592.449	380.397	868.178	660.435	212.639999	1.31	138.3263	87.57
900.663	340.06	162.996	83.513	26.101	1292.406	237.32	587.985	380.199	868.429	652.94	210.710007	1.28	139.0232	86.61
899.285	344.599	166.06	85.431	25.659	1296.377	237.815	590.621	382.485	870.684	661.751	203.679993	1.24	139.4526	87.87
877.096	346.349	169.371	86.917	25.724	1317.343	241.437	598.524	387.953	889.8	672.147	210.779999	1.28	139.6595	88.83
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.509995	1.27	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.419998	1.29	NA	NA
858.697	345.112	168.495	86.43	24.943	1308.539	240.527	599.793	385.804	878.604	668.443	210.850006	1.28	NA	NA
865.648	339.106	168.942	87.533	24.96	1309.596	241.132	602.796	386.942	879.09	668.836	208.279999	1.3	139.8499	88.65
854.496	345.801	170.245	88.088	24.907	1315.745	249.941	604.303	388.373	877.89	668.008	210.570007	1.3	140.4391	88.27
874.903	353.4	172.914	89.407	25.472	1337.468	257.007	624.392	397.003	905.339	691.371	204.710007	1.26	140.9845	89.83
879.435	359.812	176.217	90.706	25.778	1354.89	261.676	633.519	402.921	923.961	704.816	206.800003	1.27	140.7259	89.39
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	209.800003	1.3	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	203.440002	1.22	NA	NA
866.686	357.106	174.421	89.823	25.567	1328.546	259.707	629.644	398.983	908.31	687.321	208.059998	1.31	140.6801	88.68
879.013	358.494	174.484	90.001	25.094	1324.957	262.362	628.119	397.775	905.839	679.459	213.220001	1.32	140.7343	87.84
862.048	363.427	175.569	91.078	25.721	1320.831	270.967	629.923	399.495	916.798	681.464	215.839996	1.32	141.0082	88.05
871.317	363.127	176.968	91.003	26.026	1318.914	264.422	632.351	399.668	924.522	683.428	217.410004	1.36	141.2098	88.41
885.247	352.569	176.551	90.771	25.609	1288.553	256.855	629.927	397.504	915.972	679.517	218.210007	1.34	141.1641	88.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.809998	1.33	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.089996	1.33	NA	NA
891.489	350.157	175.609	90.022	25.18	1275.423	254.254	629.639	394.491	900.277	674.14	207.210007	1.32	141.22	87.55
901.208	356.699	178.225	91.088	25.919	1296.228	258.04	637.964	401.559	925.251	686.062	208.690002	1.32	141.1	87.75
905.818	358.331	179.841	92.064	26.516	1310.754	262.195	644.852	404.528	945.084	690.743	213.059998	1.31	140.91	89.31
868.609	362.721	179.096	92.265	26.454	1308.584	269.043	640.328	402.168	944.597	688.356	210.039993	1.28	140.93	89.18
850.943	366.775	179.33	91.718	26.63	1311.19	269.121	644.09	403.957	951.434	695.28	206.470001	1.32	140.79	88.46
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214.130005	1.28	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	223.429993	1.39	NA	NA
857.279	368.334	179.645	92.442	26.432	1308.97	266.641	642.887	403.211	954.625	700.804	223.089996	1.4	140.8476	88.14
839.708	361.476	178.6	91.578	26.299	1292.938	261.006	639.42	399.547	939.568	692.793	223.160004	1.46	140.8555	86.63
831.237	356.385	177.18	90.958	25.981	1276.967	257.156	633.309	395.245	927.145	679.576	227.869995	1.59	140.7802	84.45
836.004	353.953	176.059	90.107	25.72	1281.7	257.619	635.609	395.087	932.635	682.724	227.419998	1.51	140.614	85.12
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	682.794	233.169998	1.54	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	231.880005	1.55	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	235.990005	1.58	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	682.794	232.630005	1.56	NA	NA
789.384	353.512	175.052	88.831	25.072	1267.911	254.515	624.816	388.711	916.97	682.794	231.860001	1.58	140.6414	85.51
789.914	358.926	175.369	89.301	25.027	1272.008	254.14	620.749	389.392	921.347	688.22	232.729996	1.57	140.6673	84.56
790.145	360.176	174.868	89.349	24.544	1275.443	256.96	617.973	388.224	916.402	689.885	228.919998	1.56	140.5189	84.41
796.426	354.385	175.13	90.067	24.669	1275.384	257.528	622.963	390.613	927.779	697.565	228.449997	1.56	140.6432	84.99
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	224.160004	1.55	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	232.460007	1.56	NA	NA
798.217	347.168	174.273	89.709	24.442	1254.798	252.339	616.672	386.458	910.534	682.061	228.330002	1.58	140.4549	85.22
812.07	344.111	173.895	88.894	24.006	1250.039	251.392	611.586	385.571	907.623	682.612	230.539993	1.57	140.414	84.84
817.636	352.114	175.968	90.128	24.613	1253.468	257.875	615.787	388.983	911.758	676.2	226.800003	1.55	141.024	85.47
814.651	355.215	177.535	91.171	24.682	1282.741	266.363	622.767	393.272	922.207	682.432	230.440002	1.59	140.4364	85.92
826.063	349.157	175.862	90.775	24.757	1274.617	265.716	626.523	392.059	916.771	677.168	244.259995	1.67	140.6383	85.35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	249.25	1.65	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	242.619995	1.66	NA	NA
810.124	353.761	176.643	91.392	24.467	1280.063	267.413	629.941	394.605	928.153	696.422	245.529999	1.67	140.6639	85.4
794.723	350.656	176.699	90.752	24.079	1266.967	267.402	631.469	391.531	917.819	691.513	249.410004	1.68	140.6353	84.37
775.073	345.428	174.467	89.682	23.965	1256.531	265.416	631.591	389.296	919.298	684.21	242.089996	1.69	140.2561	83.97
764.904	343.779	174.052	88.917	23.705	1251.633	266.518	630.601	388.074	920.282	702.52	270.049988	1.89	140.1253	85.01
760.554	348.769	175.737	89.612	24.119	1256.253	269.746	633.834	390.819	932.217	720.57	275.269989	1.92	140.2755	85.14
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	273.100006	1.93	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	269.869995	1.9	NA	NA
769.81	346.076	174.187	88.904	23.939	1242.257	267.05	627.741	387.432	916.331	704.933	273.380005	1.91	140.4618	84.54
797.326	346.792	171.96	87.476	23.912	1230.44	263.706	628.733	386.28	911.312	695.356	278.619995	1.95	140.6039	84.64
790.929	342.141	172.334	87.974	23.91	1227.587	266.597	627.414	386.367	911.691	695.976	278.720001	1.89	140.4916	83.59
790.215	337.248	170.085	87.239	23.389	1208.024	259.655	617.678	380.796	887.945	669.593	270.869995	1.87	140.3258	83.39
815.296	336.683	171.366	87.711	23.554	1215.644	260.698	628.902	384.291	892.838	674.786	265.390015	1.79	139.9773	82.8
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	251.389999	1.73	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	252.960007	1.73	NA	NA
814.089	330.765	173.135	88.797	23.768	1223.897	260.901	633.652	385.256	888.731	672.425	248.740005	1.72	140.0553	81.81
806.887	333.408	176.095	90.622	23.612	1222.183	261.39	634.028	384.827	884.379	666.593	248.399994	1.72	139.8681	81.62
795.709	334.22	176.341	89.71	22.945	1215.443	258.066	626.251	381.651	875.243	659.162	245.419998	1.74	140.0358	81.42
813.755	326.488	177.317	89.63	22.702	1211.995	255.896	618.855	378.961	869.306	647.854	247.940002	1.71	140.103	80.86
792.608	330.339	179.012	90.006	23.241	1219.919	257.912	619.807	382.416	876.111	661.42	242.720001	1.68	140.1965	81.44
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	224.589996	1.61	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220.779999	1.58	NA	NA
802.96	335.069	178.519	88.912	23.394	1215.838	256.236	623.761	383.413	877.626	659.19	221.5	1.6	140.1776	81.52
797.37	329.59	177.742	89.156	23.3	1211.845	256.335	623.256	381.89	879.62	653.044	210.059998	1.57	140.3787	79.84
792.155	332.247	176.369	88.134	23.122	1198.289	254.411	609.155	378.147	864.154	645.743	209.910004	1.59	140.3074	79.83
793.015	332.103	175.496	88.565	23.174	1193.106	253.373	613.251	378.546	864.635	653.853	209.320007	1.6	139.9813	79.1
779.814	334.875	174.299	88.232	23.199	1192.502	250.253	607.857	376.418	857.511	655.979	211.160004	1.59	140.6801	78.75
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207.610001	1.55	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214.210007	1.61	NA	NA
801.448	325.264	172.92	87.095	23.034	1177.404	248.679	596.803	373.758	852.501	651.898	214.860001	1.64	140.1617	78.31
796.249	332.051	173.064	87.877	23.038	1178.566	248.416	598.202	372.919	849.589	646.614	212.919998	1.63	140.0881	78.32
815.791	326.867	173.305	87.047	23.168	1172.975	247.668	591.794	372.028	849.356	639.298	206.449997	1.58	140.3109	78.41
796.417	325.835	171.083	87.514	22.049	1165.484	243.798	593.639	368.678	845.658	627.32	213.720001	1.63	140.3512	78.32
793.131	324.456	171.023	87.704	21.955	1170.832	244.524	585.234	368.223	848.608	629.35	208.169998	1.58	140.3089	79.17
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	204.960007	1.62	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	222.029999	1.67	NA	NA
772.387	319.565	170.946	88.113	21.779	1169.523	244.496	584.453	368.664	852.949	630.854	203.580002	1.6	140.2256	77.85
768.941	327.523	169.694	87.625	22.033	1163.963	244.971	590.58	366.434	847.224	629.864	196.039993	1.53	140.1252	77.16
751.735	327.316	166.924	87.237	21.505	1147.287	243.54	594.029	363.693	833.472	615.416	195.179993	1.51	140.0405	76.79
779.12	321.425	167.193	87.335	23.048	1145.563	241.347	590.806	364.687	830.933	615.47	195.5	1.54	140.1034	77.03
794.026	314.586	166.03	86.558	23.056	1137.006	234.78	587.241	362.336	825.133	605.746	194.910004	1.49	140.2165	76.98
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	197.039993	1.57	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.399994	1.58	NA	NA
772.611	321.651	167.405	88.329	22.781	1144.373	239.215	591.877	364.967	832.822	623.786	197.300003	1.6	140.1115	77.27
773.161	322.687	167.979	88.741	22.692	1151.288	238.033	595.551	364.21	839.281	624.688	191.220001	1.55	140.0797	77.46
750.18	325.214	166.707	87.928	22.087	1141.095	237.655	595.569	363.605	838.525	620.457	201.25	1.69	140.1092	77.51
772.164	321.546	165.868	87.493	21.938	1130.66	236.236	592.903	361.882	833.607	615.981	200.75	1.62	140.1506	77.66
739.939	320.222	165.452	86.928	21.106	1120.5	235.173	596.975	358.811	836.311	606.3	209.899994	1.69	140.2047	77.48
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.839996	1.67	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.220001	1.67	NA	NA
704.963	336.937	163.583	85.953	20.914	1113.11	238.487	598.515	358.464	829.279	600.233	206.029999	1.69	140.0353	77.3
689.027	341.809	163.838	86.653	20.672	1110.394	239.132	603.401	359.993	828.137	603.075	206.190002	1.73	140.0355	76.83
712.762	337.701	163.789	85.996	20.781	1105.163	239.807	596.882	360.501	828.094	600.925	212.529999	1.65	139.9835	76.78
714.553	340.302	162.691	84.945	20.556	1106.554	237.857	586.116	360.131	820.819	593.834	232.929993	1.87	139.853	76.29
711.913	335.967	164.788	86.417	21.23	1117.218	242.033	592.796	363.768	829.744	607.732	239.970001	1.84	140.6342	76.91
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	227.589996	2	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220.419998	1.72	NA	NA
700.312	331.271	163.645	86.056	20.163	1106.363	241.053	591.225	361.759	821.497	600.054	207.789993	1.28	140.5324	76.2
705.548	325.76	160.558	83.721	20.368	1084.353	236.387	574.492	355.606	803.613	584.276	204.589996	1.26	139.8688	75.42
681.839	318.89	157.493	82.201	19.993	1069.726	231.593	569.363	349.799	796.03	566.997	196.880005	1.19	140.0138	75.56
659.364	318.206	157.678	82.367	19.675	1066.326	229.713	562.508	347.733	793.625	562.9	183.910004	1.15	140.2808	74.9
669.721	308.326	155.888	81.363	19.718	1097.681	227.556	563.441	345.044	791.311	560.704	188.119995	1.18	139.7927	75.04
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.050003	1.12	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.429993	1.18	NA	NA
667.283	307.259	156.069	81.792	19.225	1099.095	225.718	562.948	344.263	786.94	556.428	179.940002	1.21	140.2789	75.21
659.1	311.671	152.721	80.116	18.999	1100.836	224.591	556.648	340.455	776.923	545.386	183.809998	1.18	140.0863	74.59
640.145	308.312	147.99	78.357	19.113	1075.617	222.71	538.381	331.945	760.323	533.016	149.910004	1.08	139.9268	74.94
647.3	311.626	149.505	78.669	19.496	1090.487	224.143	546.102	336.901	768.042	542.104	192.309998	1.38	139.8746	75.54
637.772	302.778	148.727	77.707	19.321	1089.907	223.11	538.334	332.203	755.207	530.086	227.089996	1.5	139.7211	75.16
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	228.020004	1.49	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	234.059998	1.45	NA	NA

669.663	299.178	148.344	76.987	19.133	1053.988	220.929	530.498	330.424	746.441	521.412	246.199997	1.73	139.7523	74.91					
683.52	298.542	148.699	77.135	19.225	1076.649	224.336	538.494	334.591	757.454	527.161	241.720001	1.71	139.7678	74.5					
674.559	303.451	146.742	75.996	18.936	1053.512	217.634	518.482	325.858	729.099	508.472	250.050003	1.88	139.905	73.96					
675.812	305.356	145.916	74.698	19.536	1056.537	217.049	510.458	324.414	727.361	505.788	241.679993	1.8	139.8658	74.06					
679.991	311.772	146.451	74.92	18.831	1079.542	220.559	516.022	326.72	726.34	504.609	229.580002	1.77	139.7733	74.49					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	223.059998	1.52	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	241.289993	1.81	NA	NA					
712.667	308.972	146.848	75.009	19.185	1105.492	223.197	525.457	333.766	746.017	520.179	264.51001	2.25	139.8607	74.62					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	525.223	262.660004	2.29	NA	NA					
710.714	308.09	145.907	75.534	18.185	1104.919	223.126	534.451	334.867	749.348	525.223	264.929993	2.25	NA	NA					
708.579	306.413	145.802	75.016	18.27	1104.086	222.112	527.38	333.389	747.633	524.756	257.040009	2.29	139.6797	73.19					
722.718	302.91	145.66	75.565	18.595	1109.341	223.734	537.864	336.433	755.921	531.029	258.820007	2.24	139.5075	72.81					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	262.25	2.27	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	261.339996	2.14	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	530.602	270.559998	2.3	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	530.602	261.75	2.21	NA	NA					
723.609	301.386	145.267	75.942	18.677	1103.275	223.037	535.962	336.103	756.344	530.602	264.679993	2.26	NA	NA					
727.409	303.512	145.399	75.777	18.709	1102.039	223.685	535.875	336.237	757.372	530.906	274.809998	2.35	139.4226	73					
713.146	301.212	144.131	75.464	18.895	1094.368	220.843	532.934	334.168	751.657	525.479	271.149994	2.34	139.5313	72.99					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	262.839996	2.34	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	268.970001	2.4	NA	NA					
721.705	300.359	143.416	74.594	18.523	1091.173	218.589	530.601	332.485	744.381	523.694	260.940002	2.33	139.2573	72.59					
721.982	301.559	141.643	73.501	18.354	1076.044	219.09	527.861	331.162	745.955	521.879	255.210007	2.31	139.4106	72.76					
688.558	292.442	138.739	71.664	17.483	1041.732	210.486	507.645	321.81	728.128	505.856	261.869995	2.49	139.4175	71.92					
666.458	294.563	138.708	71.475	17.514	1043.125	210.532	510.398	321.205	727.68	506.923	267.190002	2.49	139.3436	72.59					
651.877	291.404	139.666	70.939	18.102	1025.042	207.486	507.057	315.893	710.517	493.854	280.630005	2.82	139.4447	72.39					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	284.190002	2.75	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	282.450012	2.87	NA	NA					
664.881	298.792	141.343	72.306	18.264	1052.285	212.924	514.467	322.874	728.897	508.313	286.23999	2.77	139.1809	72.96					
686.725	301.911	142.909	73.501	18.671	1075.805	217.724	530.559	331.316	748.837	521.526	283.640015	2.78	139.1049	73.19					
686.987	298.668	143.395	73.723	18.975	1058.234	218.111	532.773	331.408	749.079	519.965	282.450012	2.87	138.5827	73.8					
708.785	296.99	143.159	73.608	18.849	1065.209	216.086	531.193	332.567	747.554	522.668	285.880005	2.86	138.4851	73.76					
715.924	308.289	144.668	74.921	19.408	1084.494	222.374	543.301	340.387	762.895	533.894	296.660004	3.01	138.3893	73.7					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	303.869995	3.07	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	302.929993	2.92	NA	NA					
730.272	312.267	145.157	75.284	19.731	1083.756	221.912	549.651	342.649	769.784	540.076	304.779999	2.92	138.156	74.64					
745.364	303.113	144.34	74.851	19.004	1065.536	217.3	538.096	336.797	755.144	522.786	298.839996	2.87	138.2067	73.9					
768.672	291.634	145.668	76.016	18.97	1075.016	218.707	543.797	341.091	762.729	526.944	304.179993	2.89	138.1863	73.39					
770.314	287.676	144.5	75.969	18.798	1074.743	215.943	546.409	339.142	758.182	524.64	304.559998	2.91	138.1621	73.36					
764.881	285.585	143.999	75.285	18.361	1079.614	216.694	546.519	337.412	759.582	526.304	303.480011	2.88	138.3228	73.29					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	301.01001	2.84	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	303.459991	2.87	NA	NA					
773.142	286.431	143.251	75.262	18.73	1076.802	216.899	552.785	338.983	760.089	525.169	302.660004	2.91	138.4004	73					
812.346	285.081	142.715	75.262	19.684	1077.789	216.497	546.924	339.324	764.392	522.73	296.01001	2.86	138.7421	72.78					
859.73	275.428	141.515	73.992	20.214	1080.673	214.556	540.743	338.343	760.055	519.102	294.480011	2.84	138.2721	72.13					
891.981	278.505	141.489	74.047	20.264	1079.089	214.507	541.668	338.357	756.764	519.464	301.420013	2.86	138.1435	72.2					
896.14	276.102	140.972	73.732	20.03	1074.031	214.263	543.051	337.8	754.701	512.895	304.579987	2.91	138.1283	72.32					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	296.200012	2.89	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	287.059998	2.92	NA	NA					
936.386	274.228	140.11	73.433	19.997	1066.927	215.474	541.81	337.291	755.23	506.121	284.049988	2.83	138.1143	72.36					
916.053	272.359	138.377	72.406	19.544	1046.3	210.578	530.164	330.593	737.699	492.32	285.820007	2.87	138.1983	72.4					
906.634	270.682	138.537	72.919	19.686	1043.603	209.182	528.227	331.337	737.492	490.588	303.890015	3.05	138.0911	72.46					
923.187	270.636	138.468	73.046	19.501	1043.867	209.353	530.533	331.474	736.45	490.483	302.929993	3.1	138.4228	72.75					
917.638	270.904	137.605	72.59	18.878	1032.57	206.943	529.417	329.469	724.999	482.972	311.339996	3.11	138.2996	73.31					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	309.98999	3.14	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	306.190002	3	NA	NA					
919.025	270.503	137.589	72.374	18.413	1024.452	206.068	526.792	327.931	721.655	481.927	318.329987	3.22	138.5545	73.29					
897.72	269.279	137.588	72.355	18.957	1019.24	208.66	531.421	328.146	722.925	479.178	331.73999	3.25	138.1972	73.07					
924.174	267.517	137.457	72.207	19.351	1015.456	206.908	528.091	327.536	718.888	478.039	326.179993	3.19	138.0161	73.45					
911.625	273.158	138.331	73.076	19.744	1030.739	208.862	533.078	331.232	726.363	486.154	293.859985	2.91	137.8772	73.16					
924.646	268.864	137.952	72.412	19.827	1028.337	207.751	532.441	330.112	724.377	487.683	290.720001	2.9	138.1798	72.59					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	286.670013	2.84	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	275	2.84	NA	NA					
895.2	265.46	136.961	72.201	20.444	1018.191	206.349	525.294	327.712	720.937	483.842	274.299988	2.85	138.0597	72.02					
881.592	271.87	138.525	73.169	18.6	1031.915	210.763	528.398	329.432	727.769	489.172	278.410004	2.97	138.1359	71.77					
844.912	270.945	139.181	73.375	18.56	1023.693	207.638	526.666	328.699	722.671	484.491	269.980011	2.87	138.1876	72.19					
828.113	266.097	138.368	72.49	18.688	1007.109	204.248	518.661	323.462	710.241	477.861	261.410004	2.85	138.3705	71.99					
876.555	263.645	138.215	72.5	19.211	1018.852	207.704	524.275	326.794	714.825	482.87	260.640015	2.89	138.3009	71.64					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	259.839996	2.92	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260.079987	2.87	NA	NA					
867.364	252.609	138.222	72.958	18.753	1028.387	206.156	528.133	329.165	721.76	484.067	270.01001	2.97	138.0087	71.78					
862.035	245.468	136.103	71.458	18.049	1003.444	200.998	520.489	323.3	708.876	473.199	274.100006	2.98	137.8398	71.75					
873.558	245.052	135.09	71.206	17.795	993.057	197.503	518.5	321.473	702.997	469.028	268.029999	2.9	137.7762	72.22					
887.008	246.939	135.087	70.989	18.133	991.64	197.81	513.902	320.878	700.89	464.793	281.890015	3.05	137.7564	72.16					
884.2	245.086	133.824	70.143	17.738	979.215	195.642	508.649	317.87	689.828	457.7	280.73999	2.98	137.7841	71.71					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	281.630005	2.84	NA	NA					
903.161	243.659	134.473	70.645	17.977	983.558	196.927	507.367	319.903	695.45	463.916	276.640015	2.82	137.743	71.66					
922.395	245.7	135.101	70.669	18.462	990.23	199.228	508.938	320.946	704.43	467.37	282.959991	2.85	137.7111	71.48					
933.907	242.363	134.168	70.206	18.355	979.471	196.36	505.306	318.86	697.581	466.687	283.529999	2.94	138.1554	71.57					
924.66	242.94	133.619	69.574	18.009	986.766	193.216	506.575	316.484	692.822	462.72	301.089996	3.09	138.5017	71.3					
892.723	235.598	130.893	67.822	17.041	968.917	190.676	496.663	309.849	678.332	454.104	302.459991	3.08	137.9332	71.1					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	299.200012	3.12	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	304.329987	3.15	NA	NA					
921.683	231.041	130.185	67.471	17.022	1008.943	193.148	495.625	311.466	687.869	461.201	306.619995	3.2	137.6609	70.69					
887.413	225.973	127.337	66.445	16.065	984.582	189.218	482.356	302.919	668.913	445.245	299.529999	3.13	138.9609	70.25					
891.432	220.168	126.729	65.654	16.142	991.573	186.557	482.52	304.233	661.491	438.753	300.26001	3.03	138.6995	71.01					
913.107	226.003	129.028	67.374	16.818	1018.506	193.585	495.934	314.03	680.589	452.468	310.880005	3.17	137.8484	71.57					
921.855	219.723	129.147	67.765	16.858	1015.92	190.483	495.451	314.039	679.155	443.77	316.850006	3.21	137.8707	71.02					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	306.109985	3.06	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	298.470001	3.11	NA	NA					
918.673	220.16	129.286	67.952	16.832	1023.183	192.018	498.98	314.186	678.09	439.948	288.559998	3	137.8488	71.19					
956.654	223.291	130.316	68.124	17.866	1028.593	198.541	502.495	319.171	693.114	452.804	285.519989	2.99	137.9205	73.27					
951.085	228.916	130.575	68.14	18.067	1016.764	198.804	501.252	320.574	691.174	452.718	283.470001	3.15	137.933	72.8					
964.481	233.124	131.726	68.557	18.712	1049.739	202.618	503.383	323.399	698.715	460.54	280.450012	3.07	137.8267	73.38					
973.262	246.538	132.669	69.269	19.568	1062.772	208.245	511.116	328.427	709.547	463.112	263.130005	3.07	137.7835	73.63					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	261.619995	3	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258.559998	3.08	NA	NA					
977.856	246.92	132.818	69.353	20.205	1057.076	207.934	508.436	327.771	704.446	464.789	263.450012	3.02	NA	NA					
972.827	238.722	132.305	68.976	19.585	1055.332	203.997	505.81	324.71	703.09	462.588	284.220001	3.38	137.9827	73.7					
1007.983	242.259	134.547	70.276	20.874	1069.46	208.125	514.901	332.654	715.833	470.539	294.369995	3.37	137.9057	74.18					
1034.514	248.188	135.148	70.854	21.501	1077.577	211.363	522.306	335.455	726.685	476.778	303.390015	3.51	137.923	74.4					
1017.507	245.01	134.246	70.62	21.468	1079.676	210.828	517.21	333.457	720.108	479.398	307.350006	3.55	137.8211	74.52					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	291.700012	3.3	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	296.869995	3.27	NA	NA					
1011.042	247.23	135.363	70.992	21.785	1080.74	210.969	518.886	334.683	723.665	482.284	314.829987	3.47	137.9665	75.15					
1009.312	244.47	134.488	70.106	21.536	1074.283	209.888	520.222	333.924	725.144	480.676	318.649994	3.46	137.7	74.23					
1018.754	242.428	135.31	71.122	21.914	1084.461	211.029	525.589	336.73	740.02	486.989	319.649994	3.63	137.727	74.9					
1010.25	239.381	135.234	70.809	21.967	1080.927	209.519	520.307	334.492	735.935	483.587	328.269989	3.66	137.7523	73.78					
1018.418	244.522	136.452	71.949	22.256	1090.04	212.853	528.361	339.153	746.737	496.297	340.769989	3.7	137.5767	73.9					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	312.119995	3.46	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	311.720001	3.27	NA	NA					
1036.298	250.871	136.181	71.862	21.974	1085.377	215.131	531.211	340.91	747.92	504.598	320.709991	3.4	137.2648	74.01					
1042.096	249.303	137.075	71.636	21.963	1114.201	214.788	528.51	340.159	747.108	506.121	308.980011	3.57	137.4656	73.91					
1037.61	246.461	136.399	70.972	21.568	1103.546	210.421	525.918	336.885	731.336	501.118	331.25	3.56	137.1533	73.51					
1034.144	244.915	135.408	70.315	21.187	1106.658	208.69	529.884	335.351	728.907	500.403	353.980011	3.93	137.2794	73.32					
1039.421	248.534	136.322	71.295	21.618	1115.779	210.712	534.162	336.449	734.012	502.058	359.559998	4.04	137.1563	73.92					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.429993	3.9	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.670013	4.06	NA	NA					
1057.545	252.193	137.276	71.708	22.357	1111.465	210.317	515.48	336.835	733.527	503.547	365.850006	4.12	137.2318	74.29					
1066.916	252.763	137.266	71.655	22.583	1115.308	209.574	518.446	336.841	734.375	506.522	367.48999	4.1	137.9394	74.14					
1079.028	250.211	137.625	71.587	22.716	1116.901	208.587	519.824	337.272	734.007	508.896	369.290009	4.15	137.6977	73.38					
1087.995	251.673	138.523	71.722	22.242	1118.485	209.34	519.966	337.48	734.848	512.986	368.350006	4.16	137.8142	73.68					
1087.241	250.577	138.907	72.261	23.193	1125.968	210.902	516.987	338.726	737.649	517.152	366.01001	3.92	138.1915	73.48					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	365.209991	3.88	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.309998	3.84	NA	NA					
1104.993	251.461	138.983	72.932	23.172	1118.364	208.887	520.441	340.21	739.067	518.91	371.309998	3.76	138.3374	73.53					
1120.165	252.257	139.345	73.163	23.451	1120.335	210.093	524.64	341.477	741.967	514.369	369.910004	3.85	137.9454	73.36					
1120.147	247.367	139.046	72.592	23.02	1109.426	207.996	511.931	337.698	737.973	506.621	379.720001	4.11	137.9238	73.75					
1125.029	244.045	138.305	72.262	22.532	1115.893	207.743	509.794	335.606	730.368	497.76	361.600006	3.78	138.0726	74.26					
1126.989	244.655	138.67	72.728	22.757	1112.413	205.774	509.737	335.747	729.43	496.664	361.350006	3.65	138.2688	73.69					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.220001	3.65	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	368.429993	3.83	NA	NA					
1130.196	240.702	138.754	72.589	22.801	1108.8	205.812	508.019	334.952	730.289	500.008	384.200012	3.95	138.1215	74.17					
1129.008	241.371	138.93	72.634	22.748	1109.463	203.755	505.933	334.104	728.531	502.61	386.600006	4.15	138.1565	73.91					
1138.757	244.268	140.026	72.793	23.054	1122.106	203.775	506.177	336.32	735.211	509.957	382.910004	3.95	138.1339	72.87					
1141.002	238.589	139.337	72.999	22.963	1121.743	203.993	505.785	335.907	737.636	512.069	387.640015	4.19	137.9941	72.35					
1127.776	234.071	138.646	72.355	23.372	1119.131	203.375	504.172	333.458	730.338	507.519	388.190002	4.17	138.0176	72.2					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	382.029999	4	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	388	4.13	NA	NA					
1121.864	232.944	137.846	71.517	23.033	1100.346	201.438	499.009	329.902	717.694	500.393	379.73999	3.84	137.6844	72.32					
1131.974	233.011	137.444	71.463	23.097	1102.604	201.097	500.761	330.612	720.875	503.292	392.570007	3.91	137.6161	73.22					
1126.379	232.56	136.657	71.25	23.735	1095.553	199.188	499.893	328.465	715.995	496.628	395.869995	4.34	137.6132	73.28					
1124.303	232.374	137.385	71.572	23.845	1099.93	198.507	498.942	328.692	716.837	497.758	393.179993	4.21	137.5905	73.41					
1115.587	228.601	136.961	71.419	23.37	1089.265	196.136	496.105	326.784	711.346	490.427	370	3.7	137.5722	73.49					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	351.649994	2.91	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	376.429993	3.4	NA	NA					
1104.169	226.699	135.632	71.172	22.833	1069.218	192.521	489.379	322.998	700.009	481.121	396.279999	3.8	137.5131	72.94					
1101.554	227.041	135.785	71.292	23.235	1081.685	193.189	488.448	324.25	709.692	489.186	376.899994	4	137.5267	73.73					
1096.547	227.357	134.969	70.226	23.158	1079.615	192.585	484.555	323.214	707.84	486.003	382.630005	3.9	137.1782	73.81					
1099.382	227.777	133.747	69.917	23.211	1078.071	192.36	486.106	322.065	698.85	483.35	411.109985	3.8	137.2831	74.14					
1114.558	226.334	134.03	69.893	22.667	1084.245	193.7	484.375	322.66	705.712	489.78	428.290009	4.27	137.2521	73.54					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	430.670013	4.51	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	438.429993	5.21	NA	NA					
1078.84	217.844	131.77	68.707	21.449	1066.4	190.33	476.935	318.222	692.132	478.432	438.73999	5.23	137.3474	72.59					
1079.685	220.376	132.441	68.968	21.868	1068.9	191.948	485.175	320.297	695.844	477.906	440.929993	5.29	137.1151	73.07					
1092.128	223.558	131.513	68.888	21.813	1071.523	191.434	489.102	322.467	700.666	485.192	439.059998	5.36	136.9386	73.99					
1095.589	224.011	132.932	69.693	22.51	1079.204	192.304	491.17	325.391	701.575	491.768	434.23999	5.4	136.834	74.43					
1096.404	226.917	132.343	69.434	22.611	1060.907	191.439	486.521	324.448	694.276	496.623	435.380005	5.47	136.9132	73.95					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	437.920013	5.55	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	436.269989	5.68	NA	NA					
1101.84	229.845	133.378	69.838	22.409	1071.887	193.37	486.836	325.222	701.922	494.438	440.630005	5.75	136.7847	74.32					
1111.486	231.269	134.569	70.818	22.863	1092.998	195.95	493.419	329.247	718.448	501.564	445.470001	5.8	136.8307	75					
1121.943	236.666	135.969	71.425	23.407	1104.528	199.407	498.992	333.5	732.934	510.223	436.269989	5.65	136.9539	74.31					
1127.883	237.26	136.89	71.712	23.461	1108.718	194.93	504.113	335.333	734.659	515.612	421.200012	5.64	136.9288	74.08					
1125.632	240.483	135.92	70.996	23.464	1102.425	194.795	500.591	334.452	730.841	513.75	436.820007	5.92	136.7584	74.83					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	439.119995	5.71	NA	NA					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	443.779999	5.84	NA	NA					

1137.19	238.391	136.568	70.909	23.474	1105.485	196.312	502.982	335.115	729.857	523.831	445.809998	5.74	136.6835	74.34
1146.618	238.432	137.228	71.983	23.055	1120.521	198.159	507.947	337.305	742.407	532.796	449.51001	5.62	136.7273	75.17
1186.06	240.46	137.591	72.277	22.992	1121.988	195.964	509.941	335.921	740.037	529.581	448.23999	5.88	136.7933	74.84
1190.58	239.935	136.867	72.163	23.208	1117.135	196.6	510.958	335.432	738.694	528.475	459.440002	6.26	136.8349	74.8
1162.638	233.053	136.214	71.139	22.734	1105.049	193.012	505.709	331.16	732.156	522.507	460.570007	6.35	136.9163	74.57
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	456.380005	6.35	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	458.549988	6.32	NA	NA
1171.585	235.137	137.072	71.622	22.824	1109.019	192.546	507.91	332.829	738.516	528.842	462.079987	6.53	136.8883	74.84
1180.966	237.853	137.158	71.359	22.907	1099.79	188.448	506.101	333.001	737.719	534.46	462.859985	6.64	136.8364	74.74
1185.868	241.449	137.256	71.434	23.078	1082.417	189.692	509.025	336.044	747.019	541.738	460	6.53	136.7291	75.13
1173.007	233.895	136.475	70.463	22.074	1075.053	188.143	506.412	331.628	738.284	534.475	456.429993	6.22	136.7855	74.89
1178.249	232.304	137.76	70.749	22.469	1088.026	190.086	507.683	332.969	744.354	535.676	458.130005	6.47	136.7072	73.52
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	454.320007	6.44	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	461.700012	6.7	NA	NA
1170.759	231.039	136.656	70.395	22.261	1073.405	188.885	502.554	330.15	735.935	529.983	467.029999	6.36	136.6708	74.25
1174.036	232.578	136.799	70.325	21.816	1072.623	189.535	504.231	329.622	735.276	528.231	463.23999	5.75	136.7599	73.92
1209.327	237.484	136.404	70.121	22.533	1085.079	191.236	509.014	333.146	750.087	533.596	451.970001	5.73	136.5832	74.82
1210.243	234.68	136.003	69.794	22.484	1083.082	191.218	510.211	333.239	747.14	533.435	457.459991	5.69	136.4976	74.57
1250.3	246.528	137.078	70.67	23.477	1093.934	195.663	515.194	337.971	757.17	543.935	457.559998	5.67	136.4252	74.93
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	457.890015	5.67	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.399994	5.3	NA	NA
1260.588	251.346	137.798	71.375	23.78	1095.316	197.055	519.034	341.043	765.525	551.119	461.950012	5.32	136.6999	74.72
1261.305	252.372	137.968	71.989	24.248	1092.491	198.2	518.842	341.943	766.324	553.07	463.170013	5.75	136.1923	74.93
1250.225	245.059	137.347	71.947	23.966	1078.566	195.166	516.248	338.843	758.046	548.401	467.910004	5.93	136.5089	75.02
1247.994	248.416	136.722	71.744	23.826	1075.705	194.409	516.685	338.004	758.066	544.819	472.51001	6	136.3859	74.48
1244.891	247.316	136.032	71.098	23.901	1069.831	191.927	510.942	335.097	750.417	537.767	467.410004	6.16	136.3796	74.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	463.959991	6.47	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	438.910004	6.51	NA	NA
1241.509	253.398	135.759	71.065	23.589	1067.823	192.042	507.626	335.189	745.932	539.49	437.100006	6.73	136.4141	74.05
1247.414	255.17	136.125	70.908	23.73	1066.427	191.842	506.869	335.085	747.179	538.738	437.220001	6.85	136.4586	73.87
1240.146	252.681	135.38	70.18	23.472	1071.233	192.873	506.852	335.025	751.924	541.58	425.660004	6.8	136.2358	73.43
1271.338	255.178	136.454	70.32	23.93	1083.259	195.834	510.642	338.574	758.854	545.613	412.459991	6.71	136.1774	73.19
1277.364	249.753	136.248	69.688	24.631	1083.992	197.174	510.834	339.388	754.074	545.732	426.559998	7.04	136.1524	74.05
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	431.940002	7.1	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	448.140015	7.11	NA	NA
1283.201	253.285	136.05	70.071	24.946	1089.295	196.357	514.162	341.117	760.806	551.309	438.040009	7.2	136.0986	73.54
1277.153	252.327	136.277	70.256	24.627	1095.622	195.852	512.357	341.108	759.535	552.504	437.190002	7.31	136.0376	74.41
1267.824	252.991	135.525	69.382	24.788	1092.313	195.493	509.189	339.178	756.159	549.041	438.549988	7.44	135.8304	73.37
1273.237	257.149	136.032	69.821	23.908	1087.773	195.381	514.163	339.38	756.273	548.286	446.480011	7.23	135.9874	73.8
1282.946	257.706	136.287	70.323	24.179	1081.551	194.738	511.168	338.57	751.749	545.462	446.320007	7.19	136.0691	74.25
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	439.420013	7.17	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	432.51001	7.22	NA	NA
1278.382	259.42	137.773	70.703	25.155	1076.177	195.687	513.099	340.15	754.444	547.432	419.619995	7.21	136.0111	74.21
1260.225	266.461	138.828	72.035	24.937	1073.694	196.911	514.115	340.974	759.168	551.404	436.01001	7.37	135.9343	73.74
1244.42	271.886	138.825	71.815	25.046	1068.636	196.589	512.385	340.839	760.699	551.495	420.970001	7.26	135.77	73.49
1261.472	285.805	139.235	72.238	25.561	1073.71	197.041	512.826	342.761	764.724	554.354	463.140015	8	135.9692	73.74
1264.629	286.128	139.107	72.411	26.038	1067.953	195.678	501.84	341.699	764.503	556.533	477.899994	8.12	136.1387	73.18
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	475.190002	8.29	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	480.630005	8.29	NA	NA
1256.424	285.188	138.71	72.555	25.952	1066.122	195.01	497.306	340.399	763.342	557.698	480.76001	8.18	136.0899	73.1
1244.252	280.704	136.712	71.106	25.314	1068.266	193.791	501.07	338.081	758.839	554.427	480.690002	8.19	135.6128	73.06
1239.283	280.335	136.559	70.836	25.185	1069.381	193.682	500.151	336.705	759.038	546.284	487.329987	8.4	135.8674	72.47
1236.927	275.722	136.422	70.711	24.634	1072.435	193.23	502.177	336.613	757.099	549.393	476.130005	8.25	135.9924	72.96
1239.158	275.18	136.948	70.713	25.137	1069.857	194.351	501.85	338.176	759.792	549.585	491.98999	8.5	136.081	73.37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	481.230011	8.31	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	464.269989	8.2	NA	NA
1232.293	272.261	136.274	70.132	25.016	1074.317	195.455	503.118	337.295	758.263	550.029	456.73999	8.18	136.0009	73.34
1236.261	274.152	136.723	69.574	24.961	1074.318	193.662	501.272	337.527	757.424	549.42	451.359985	8.3	136.1757	73.06
1226.608	274.939	136.822	69.635	24.899	1075.392	193.647	498.513	337.293	757.63	548.565	417.76001	7.97	136.0996	73.34
1234.841	273.959	137.293	69.533	24.451	1071.988	193.64	503.2	337.426	758.957	549.799	422.290009	8.15	135.8326	72.86
1241.234	270.455	136.16	68.9	24.07	1054.731	190.46	504.68	336.624	755.843	549.777	421.190002	8.4	135.7268	73.56
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	426.029999	8.51	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.970001	8.6	NA	NA
1234.826	267.84	135.809	68.814	23.574	1045.732	189.421	503.318	334.694	749.017	540.744	385.700012	8.15	135.8193	72.4
1229.956	267.169	135.221	68.675	23.701	1044.283	189.088	506.879	333.96	747.707	535.872	382.720001	8.35	135.7763	71.67
1227.809	266.424	134.322	68.545	23.315	1056.917	187.285	501.178	333.38	746.574	532.718	381.029999	7.81	135.684	71.56
1203.63	265.651	134.434	68.055	23	1049.844	184.412	496.889	331.412	745.414	528.266	358.950012	7.93	135.8912	71.62
1204.849	263.443	135.117	68.341	22.369	1045.145	184.623	498.82	331.527	747.14	524.328	354.089996	7.7	135.9657	71.82
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	325.779999	7.55	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	325.290009	7.55	NA	NA
1198.688	248.072	134.93	68.248	22.408	1047.568	183.945	501.251	331.976	744.845	517.776	329.190002	7.66	135.8336	71.88
1205.264	253.259	135.84	68.634	22.57	1052.94	185.264	494.508	331.679	748.807	524.582	327.820007	7.65	135.7223	71.73
1232.18	264.296	136.963	69.388	22.995	1068.243	187.712	492.997	334.808	750.956	532.736	327.549988	7.68	135.5973	72.19
1231.124	266.772	137.511	69.5	22.869	1068.933	188.859	492.006	335.199	749.217	532.7	324.690002	7.63	135.2689	72.34
1231.214	269.71	137.087	68.841	23.469	1068.042	187.967	490.822	334.325	748.282	528.395	320	7.59	135.0597	72.39
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	320.339996	7.56	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	319.059998	7.65	NA	NA
1220.076	264.539	136.579	69.375	22.731	1048.205	183.824	487.662	332.004	738.903	525.897	328.950012	7.98	135.2808	72.56
1251.128	270.991	137.2	69.386	21.556	1056.023	185.722	487.095	332.971	739.357	528.883	327.290009	7.83	135.0503	73.19
1242.799	265.556	135.5	68.149	21.088	1066.219	182.178	482.467	329.532	731.566	523.443	319.200012	7.65	135.2323	72.89
1247.8	266.698	135.391	67.666	21.686	1072.046	182.122	479.234	329.6	726.811	527.92	318.25	7.64	135.0896	73.07
1255.529	265.54	134.355	67.167	21.49	1076.3	181.636	481.356	330.36	731.866	532.912	310.390015	7.51	135.3083	72.67
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	311.730011	7.49	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	315.179993	7.59	NA	NA
1261.933	266.793	134.626	67.094	21.125	1088.186	182.713	482.998	331.23	738.384	536.325	316.089996	7.55	135.1693	73.42
1254.464	266.828	134.381	67.288	20.891	1092.607	183.941	483.61	331.81	740.241	540.817	326.359985	7.84	NA	NA
1254.265	264.866	134.239	67.207	20.851	1093.6	184.033	483.246	331.257	739.606	540.665	332.380005	8.2	134.9147	72.38
1267.652	267.555	134.977	67.867	20.313	1085.22	184.778	488.733	331.332	738.429	543.001	324.540009	8	134.739	72.64
1247.61	265.525	134.648	67.234	20.196	1069.931	182.196	483.556	327.531	729.823	538.83	322.339996	7.6	134.9458	72.66
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	319.600006	7.39	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	319.100006	7.5	NA	NA
1247.458	273.353	134.405	66.997	20.205	1065.576	185.014	478.261	326.975	723.602	537.462	331.959991	7.9	134.871	72.49
1241.288	281.21	135.001	67.299	20.376	1085.728	187.542	479.55	329.555	728.852	548.236	337.720001	8	134.6835	73
1206.895	280.534	134.72	67.2	20.71	1089.707	186.323	477.854	328.493	725.272	552.324	359.329987	9.2	134.7303	72.63
1213.076	283.718	135.511	67.154	21.03	1094.727	190.358	483.592	330.4	727.069	560.188	355.880005	8.93	134.7828	73.48
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	353.779999	8.8	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360.130005	9.02	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.76001	9.28	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.170013	9.24	NA	NA
1201.181	276.941	134.231	66.386	19.703	1085.753	187.691	480.153	325.893	710.309	548.438	352.059998	8.75	135.0482	72.4
1199.256	271.847	133.206	66.043	19.637	1090.889	184.482	486.731	324.265	706.236	537.481	364.309998	9.23	135.0859	71.48
1191.324	265.169	131.547	65.222	19.167	1074.958	184.216	483.124	320.142	696.409	522.507	377.079987	9.7	134.9092	71.78
1189.626	269.703	132.075	65.376	19.618	1075.04	188.028	486.239	323.267	705.468	534.62	376.869995	9.86	134.8862	72.41
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	335.329987	8.32	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	302.829987	7.52	NA	NA
1181.509	277.799	132.62	65.386	20.474	1069.718	190.993	476.711	322.472	701.787	539.501	310	7.9	134.8383	73.32
1213.702	287.74	134.665	66.431	21.014	1093.883	196.043	481.887	327.025	714.412	545.752	306.209991	7.88	134.8865	74.54
1213.827	287.418	134.673	66.034	21.237	1096.719	197.908	482.247	328.734	714.535	556.13	275.980011	6.29	134.6397	74.58
1207.658	282.504	133.862	65.883	20.759	1092.682	195.784	482.439	327.418	716.279	547.725	325.73999	8.45	134.6965	74.31
1213.177	290.236	134.383	66.034	21.311	1094.9	194.322	478.934	328.578	715.843	551.973	332.23999	8.42	134.6336	74.73
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.75	8.51	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	336.820007	8.67	NA	NA
1220.384	296.229	135.24	66.173	21.839	1109.781	198.857	482.66	332.631	726.706	560.916	336.700012	8.28	134.3773	75.46
1206.181	291.49	134.571	65.611	21.631	1107.493	200.809	477.038	330.764	722.744	553.763	331.410004	8.39	134.3196	75.04
1206.828	292.168	135.111	65.73	21.578	1106.712	200.736	474.336	330.485	723.369	553.444	326.559998	8.42	134.527	75.58
1198.518	288.513	134.821	64.998	21.378	1109.317	200.355	474.785	329.967	723.687	553.336	321.959991	8.36	134.5979	75.56
1206.632	282.8	134.303	65.041	20.417	1104.962	197.172	473.849	327.974	724.342	544.252	357.649994	9.89	134.697	75.8
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	339.859985	9.71	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.350006	10.05	NA	NA
1187.377	281.076	133.406	65.44	20.234	1104.675	195.792	477.602	327.346	725.362	545.329	373.040009	10.2	134.9677	75.82
1180.537	280.599	133.005	65.103	19.801	1098.928	195.236	472.217	325.063	717.454	535.232	368.73999	9.89	134.8617	76.46
1179.386	283.453	132.787	64.832	19.435	1088.91	194.981	465.32	324.533	716.493	534.405	425.070007	12	134.7638	76.85
1166.743	280.33	132.629	65.086	18.971	1078.588	192.97	463.767	322.256	709.79	524.577	422.809998	11.72	134.6452	76.47
1144.3	274.406	131.012	64.067	18.992	1065.227	191.2	453.625	318.238	698.121	517.052	422.579987	11.94	134.2091	77.02
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	411.779999	11.36	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.390015	11.6	NA	NA
1157.472	277.389	132.075	64.495	19.602	1072.961	195.286	453.204	321.69	710.268	525.842	416.320007	11.39	134.28	76.56
1147.321	275.187	132.357	64.196	19.769	1061.372	196.166	449.792	321.529	703.4	526.022	426.410004	12.12	134.2563	76.42
1135.136	277.042	134.723	65.498	19.572	1063.945	193.969	450.058	321.614	704.261	527.75	442.940002	12.91	134.6802	77.37
1126.886	275.115	134.131	65.178	19.64	1061.555	194.326	452.149	321.843	703.058	522.914	445.540009	13.95	134.8013	76.98
1118.474	273.224	133.776	64.921	19.755	1057.063	192.408	449.082	319.797	700.802	518.202	449.519989	12.75	134.7878	77.04
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	459.130005	12.68	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	460.140015	12.52	NA	NA
1107.662	269.06	131.377	64.2	18.818	1037.019	189.866	451.113	316.21	696.369	509.886	458.519989	12.32	134.9725	76.72
1118.27	273.337	132.399	64.848	19.536	1040.795	191.614	451.807	318.475	690.598	512.558	464.640015	12.45	134.627	77.27
1135.146	274.232	132.791	64.678	20.13	1051.39	193.149	455.182	321.782	705.248	519.413	459.040009	12.6	134.6352	76.79
1153.538	277.325	134.811	66.018	20.736	1062.747	196.4	464.055	325.297	713.776	527.779	459.890015	11.88	134.4732	76.79
1148.99	273.869	134.016	66.272	20.635	1059.952	196.394	464.877	325.165	715.293	523.695	456.48999	11.75	134.2821	76.75
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.869995	11.69	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	455.700012	11.5	NA	NA
1169.398	277.16	134.686	67.017	20.568	1071.948	196.932	464.541	326.756	719.267	532.982	463.73999	11.78	134.2739	77.02
1164.387	280.897	135.531	67.628	20.615	1088.505	198.452	469.453	330.741	729.887	544.477	481.130005	12.17	134.5619	76.92
1165.274	280.899	135.462	67.753	20.129	1082.834	198.341	469.965	330.569	729.794	538.833	489.399994	12.32	134.5886	76.62
1185.219	278.165	136.162	67.819	19.603	1087.484	196.291	472.623	330.582	732.918	536.079	490.980011	12.86	134.761	76.15
1163.324	271.367	134.192	66.341	18.753	1069.059	191.648	465.056	323.92	715.765	520.722	474.170013	10.5	134.8007	76.1
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.890015	9.64	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.170013	10.21	NA	NA
1181.614	280.002	136.781	67.227	19.618	1101.745	196.087	474.908	331.442	736.463	537.349	416.859985	10.32	134.6745	77.66
1172.588	283.273	136.184	67.238	19.263	1094.521	194.936	473.712	330.598	727.198	534.471	432.309998	10.72	134.9456	77.18
1177.981	280.253	136.99	67.227	19.294	1102.508	195.598	475.797	331.08	732.459	537.032	430.630005	10.8	134.4497	77.42
1175.937	280.108	136.873	67.442	19.171	1101.273	193.786	472.503	331.698	733.681	536.669	198.75	9.8	134.121	77.45
1190.876	277.983	135.845	66.988	19.127	1099.13	194.676	474.332	331.478	734.84	536.267	153.639999	10.6	134.2524	77.58
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	272.640015	11.5	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210.869995	11.02	NA	NA
1179.24	276.472	135.535	67.253	18.844	1095.153	192.62	470.841	329.462	730.018	542.657	113	10.34	134.3115	77.22
1162.204	276.537	135.367	66.955	18.796	1088.954	189.834	470.337	328.141	729.465	534.356	115.190002	10.5	134.5073	77.18
1136.491	276.384	135.224	66.569	19.027	1097.109	190.942	470.49	328.295	734.262	535.518	213.75	11.75	134.555	77.91
1125.169	277.37	134.719	66.282	18.956	1099.717	191.056	465.145	327.907	731.121	536.563	232.029999	11.64	134.4991	78.09
1137.954	273.921	135.077	66.195	18.846	1096.922	191.118	467.147	327.877	731.226	538.12	238.839996	11.73	134.2526	77.69
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240.539993	11.8	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	285.679993	12.21	NA	NA
1137.586	274.894	133.862	65.533	18.92	1094.703	189.682	462.134	326.633	731.89	538.711	352.470001	12.41	134.3335	77.12
1127.236	273.384	132.849	65.323	18.675	1085.62	189.652	458.551	324.788	725.45	533.249	374.420013	11.75	134.334	77.59
1147.106	272.769	132.827	65.287	18.747	1084.239	190.012	462.154	325.255	720.952	529.768	415.269989	13.01	134.2954	77.29
1136.936	268.518	131.737	65.115	18.29	1079.925	190.238	457.71	322.835	719.515	521.734	455.320007	12.88	134.2442	77.47
1131.678	263.918	129.828	64.142	17.965	1058.73	188.204	451.497	318.737	703.447	507.519	452.820007	12.8	134.3919	76.62
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	500.059998	13.52	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	493.630005	13.1	NA	NA

1116.26	266.266	129.966	63.777	17.757	1059.229	186.413	449.96	318.489	700.297	505.96	522.840027	13.86	134.3421	76.96
1117.561	265.187	128.557	62.806	17.639	1059.16	186.635	446.976	316.222	695.565	500.991	603.429993	14.89	134.4312	76.56
1111.532	258.678	127.23	62.32	17.08	1051.108	182.128	439.747	311.641	685.652	490.34	643.130005	15.5	134.6076	76.39
1114.076	254.932	126.68	62.596	16.456	1060.942	182.278	439.402	311.146	688.983	490.742	650.880005	15.69	134.4814	76.49
1107.152	254.429	127.273	62.97	16.857	1061.058	183.38	443.221	311.798	694.863	491.953	651.090027	15.99	134.3419	76.83
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	651.059998	16.209999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	650.380005	16.200001	NA	NA	
1115.12	251.213	128.351	63.1	17.177	1072.841	185.95	448.437	315.984	700.947	500.729	642.179993	15.61	134.3204	77.8	
1126.15	251.65	128.556	63.398	17.334	1080.545	186.971	449.947	316.768	703.771	504.489	652.390015	15.56	134.135	77.69	
1133.392	250.333	128.396	63.348	16.614	1074.646	184.969	460.75	315.834	702.297	502.047	655.530029	15.51	133.7282	77.38	
1136.003	254.885	129.011	63.808	16.973	1073.006	184.444	463.387	317.573	704.035	507.868	644.669983	15.46	133.6743	77.72	
1139.064	251.78	128.07	63.436	15.849	1079.765	183.689	464.547	315.384	698.148	500.882	633.640015	14	133.77	77.42	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	704.659973	16.309999	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	668.76001	16	NA	NA	
1142.113	253.469	128.178	63.382	16.807	1076.796	182.967	468.931	318.096	704.075	505.366	627.469971	15.31	133.8138	78.21	
1171.724	261.587	130.457	64.565	17.712	1104.216	185.545	481.981	325.814	724.394	521.6	650.27002	16.43	133.2651	78.45	
1193.027	267.534	131.444	64.913	17.942	1115.013	193.239	489.431	329.075	730.881	527.224	653.830017	17.1	133.2772	78.21	
1197.323	263.282	130.786	64.569	17.984	1115.366	190.028	488.012	328.704	730.222	526.715	676.299988	17.549999	133.3388	77.96	
1197.443	260.138	130.338	64.484	18.07	1128.063	190.975	482.006	328.53	729.28	528.834	671.960022	17.809999	133.3268	78.76	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	650.799988	17.870001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	626.190002	17.530001	NA	NA	
1193.311	261.721	130.522	64.636	18.263	1127.907	190.057	478.971	328.857	727.523	530.817	626.76001	17.48	133.1713	79.23	
1185.007	259.909	128.669	63.462	18.198	1127.2	190.338	481.272	327.101	724.633	525.627	646.099976	18	132.8677	79.39	
1192.43	263.164	128.809	63.565	18.473	1130.134	193.524	479.655	327.606	722.83	523.583	662.140015	18.299999	132.876	78.86	
1191.06	259.165	128.305	63.196	18.024	1116.726	191.988	480.712	324.429	713.557	512.799	637.919983	18	132.9272	77.39	
1201.113	259.426	128.344	63.413	18.19	1123.9	192.487	480.93	324.004	714.007	512.942	655.450012	17.92	132.781	77.54	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	669.409973	18.26	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	694.960022	19.16	NA	NA	
1187.522	256.528	127.935	63.246	18.084	1124.846	191.673	479.902	323.233	715.038	506.54	657.02002	18.200001	132.36	77.44	
1177.927	255.258	126.779	62.975	18.084	1130.931	191.602	479.268	321.589	711.061	504.549	661.809998	17.9	132.1955	77.42	
1166.44	254.75	126.219	62.748	17.934	1143.322	193.854	479.58	322.801	720.46	505.635	645.150024	17.91	132.4239	77.08	
1171.737	250.163	125.745	62.541	18.278	1126.596	192.5	481.312	322.45	723.191	504.57	631.440002	17.9	132.4485	76.89	
1173.581	242.44	124.827	62.16	17.279	1133.409	192.938	478.479	320.104	720.196	499.128	703.840027	20.75	132.3736	76.21	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	706.900024	19.17	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	647.580017	18	NA	NA	
1179.788	241.573	125.005	62.216	16.566	1132.266	194.576	484.158	320.724	724.085	501.429	616.109985	18.26	132.1557	76.46	
1175.183	237.561	124.023	61.5	16.053	1128.481	193.879	481.494	318.862	718.778	500.898	599.97998	18.700001	132.0824	76.17	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	506.048	569.830017	17.530001	NA	NA	
1187.871	236.543	124.774	62.644	15.25	1138.318	194.668	488.19	321.118	727.583	506.048	566.940002	17.52	NA	NA	
1181.566	234.883	124.238	61.723	15.241	1138.751	194.313	484.367	320.013	726.161	505.283	567.190002	17.6	132.1106	75.94	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	556.169983	17.16	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	547.630005	16.790001	NA	NA	
1165.021	236.485	124.048	61.718	15.253	1137.143	195.37	485.779	320.489	729.312	506.973	565.919983	16.5	132.2328	76.36	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	501.817	569.23999	18.120001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	501.817	507.839996	15.25	NA	NA	
1143.646	234.348	124.181	61.589	15.017	1132.709	191.921	477.722	317.115	720.121	501.817	493.670013	12.85	NA	NA	
1139.441	233.358	124.074	61.454	15.007	1131.108	192.333	476.871	316.315	719.232	501.409	511.339996	12.9	132.4482	75.34	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	464.459991	12.6	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.700012	12.6	NA	NA	
1130.762	232.585	123.183	61.129	14.946	1122.332	190.392	475.468	314.124	710.897	496.782	481.970001	14.27	132.6171	75.43	
1115.336	232.03	122.525	60.923	14.832	1115.871	189.306	475.981	312.489	706.884	492.741	528.25	14.5	132.8913	75.67	
1109.677	227.69	121.053	59.751	14.438	1091.115	186.069	468.512	307.205	700.122	486.307	396.420013	10.5	133.0196	76.24	
1131.582	228.453	120.421	59.437	13.794	1082.891	182.468	464.044	304.62	693.908	480.753	515.890015	16.299999	133.0605	76.32	
1159.569	228.54	121.095	60.115	14.129	1090.742	183.744	469.316	306.761	698.274	482.089	547.219971	18.41	132.9775	76.83	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	658.390015	22.57	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	652.140015	22.4	NA	NA	
1155.181	225.196	120.681	59.878	13.939	1075.898	184.23	459.562	303.075	688.735	476.187	666.570007	22.530001	133.0079	76.5	
1150.091	224.25	120.869	60.094	13.703	1070.598	184.2	462.125	303.563	687.938	477.227	642.299988	23.4	133.1513	75.92	
1187.747	226.631	121.939	60.719	13.97	1083.646	187.276	467.343	306.546	693.07	481.256	665.320007	23.200001	133.1058	76.27	
1200.434	226.372	123.436	61.479	13.72	1083.762	188.591	471.865	308.087	695.892	482.351	739.890015	26	133.0606	76.8	
1196.352	226.574	123.296	61.838	13.882	1090.151	191.463	474.388	310.165	700.702	488.965	675.609985	23.99	133.0968	77.15	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	591.710022	20.940001	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	509.970001	17.889999	NA	NA	
1200.26	223.962	123.252	61.495	13.843	1093.534	190.179	474.95	309.503	698.949	487.276	612.809998	23.889999	133.0345	77.04	
1188.627	222.686	122.979	61.259	13.489	1085.916	189.578	471.727	307.458	695.238	482.142	796.929993	28.25	133.4737	77.15	
1202.814	225.351	123.913	61.599	13.637	1090.948	191.812	475.166	310.179	697.553	488.582	876.599976	32.099998	133.8009	76.82	
1208.71	225.38	124.011	61.919	14.118	1090.439	191.495	476.214	312.019	705.049	490.595	829.340027	27.690001	133.7697	76.52	
1237.256	230.781	125	62.456	14.89	1102.192	193.987	481.542	316.848	718.388	502.233	790.450012	25	133.8256	76.01	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	738.580017	27.99	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	865.309998	30.01	NA	NA	
1245.81	230.846	125.607	62.9	14.934	1109.585	193.783	483.183	317.856	717.966	501.497	875.98999	30	133.9651	77.92	
1241.283	230.999	125.217	63.021	14.926	1116.94	194.391	483.605	317.843	713.044	501.222	826.369995	37.98	133.8485	76.96	
1229.976	231.68	125.238	62.891	14.644	1109.978	192.939	486.471	316.732	710.364	502.126	779.330017	27.1	133.9565	75.74	
1227.458	229.145	124.943	62.591	14.56	1105.728	191.961	484.308	314.981	706.757	498.343	706.51001	14.7	133.8851	74.77	
1244.201	227.406	125.047	62.824	14.48	1107.994	191.715	493.634	316.782	709.454	499.567	603.789978	9	133.8806	75.03	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	598.450012	8.39	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	625.22998	8.96	NA	NA	
1253.658	222.787	124.64	62.529	14.373	1095.288	190.262	489.155	315.404	704.81	495.664	585.030029	8.75	133.6579	76.25	
1256.003	221.356	124.41	62.618	14.236	1094.236	188.422	491.1	315.005	706.021	491.636	551.299988	7.01	133.8947	76.66	
1272.408	218.395	125.122	62.681	14.132	1104.578	188.569	495.673	315.482	707.256	491.852	467.630005	6.4	133.9622	76.32	
1284.966	215.691	125.306	62.954	14.487	1104.988	187.426	495.08	315.153	706.535	492.41	479.950012	6.5	134.1126	76.34	
1288.698	213.045	126.104	63.579	14.852	1109.936	189.141	496.243	317.222	707.602	493.549	582.530029	6.99	134.0087	76.47	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	388.609985	3.22	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.769989	3.33	NA	NA	
1305.03	213.674	125.09	63.534	14.839	1112.121	188.568	493.62	315.562	707.973	486.421	326.109985	3.4	134.0577	75.83	
1296.271	215.2	124.225	63.183	14.922	1100.781	186.399	492.57	314.966	706.194	484.417	318.309998	3.4	133.9666	76.21	
1287.53	215.118	123.306	62.51	14.751	1091.952	185.386	488.806	312.426	696.93	479.184	318.049988	3.39	133.6636	76.18	
1291.19	217.98	124.546	62.916	14.923	1094.053	184.61	490.71	314.309	699.265	482.775	277.450012	3	133.609	76.31	
1311.121	217.904	125.359	63.138	15.175	1101.194	186.631	494.454	316.204	702.215	483.783	267.130005	3.5	133.9076	76.02	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	253.690002	3.2	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	274.98999	3.8	NA	NA	
1302.091	216.892	124.815	63.031	15.378	1086.284	185.24	489.559	315.327	699.17	484.693	259	4.5	134.0315	76.12	
1307.212	211.392	125.596	63.086	15.374	1085.893	186.957	490.771	315.892	700.375	488.613	227.919998	5	133.9032	76.26	
1328.18	211.931	125.368	62.817	15.891	1080.331	188.823	489.639	315.886	700.237	481.729	196.509995	2.7	133.9729	75.61	
1312.077	209.385	125.528	62.9	14.425	1064.22	186.657	488.012	314.527	697.745	478.963	181.899994	2.6	133.9966	74.93	
1312.141	207.273	125.203	62.944	14.572	1069.57	186.503	488.202	315.084	698.297	483.985	173.320007	2.1	134.2159	75.21	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	163.899994	2	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.919998	2	NA	NA	
1299.822	220.684	124.972	62.759	14.789	1070.364	186.988	485.552	314.123	693.097	480.951	153.389999	2	134.2739	75.84	
1302.918	221.089	124.923	63.117	14.602	1071.785	186.504	489.185	314.913	694.851	483.901	152.830002	2	134.1924	75.75	
1321.906	222.312	125.083	63.056	14.198	1064.725	184.787	485.057	313.525	695.537	477.362	151.380005	1.25	134.0148	75.73	
1327.025	220.811	125.464	63.7	14.441	1062.803	183.203	488.603	313.427	696.397	471.819	154.929993	1.25	133.7253	75.89	
1317.436	218.749	125.344	63.467	13.92	1066.39	179.986	488.466	312.184	695.8	471.867	148.529999	1.6	133.5812	76.22	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.240005	1.6	NA	NA	
1325.24	222.216	125.571	63.569	14.468	1064.898	181.601	486.736	312.803	693.503	480.185	139.850006	1.6	133.613	75.39	
1316.355	227.508	125.155	63.447	14.694	1053.694	182.752	484.039	313.093	688.793	484.066	142.869995	1.61	133.6709	76.22	
1307.608	228.466	125.287	63.043	14.813	1056.179	185.804	486.469	311.757	691.04	476.187	146.970001	1.61	133.6263	75.84	
1320.94	225.65	125.468	62.909	15.237	1061.714	187.907	490.062	313.687	688.465	477.233	164.550003	1.61	133.1752	76.2	
1325.697	229.23	125.909	62.692	15.184	1049.817	189.604	486.315	312.357	683.526	475.623	145.940002	1.61	133.2742	76.45	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	138.839996	1.61	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	132.990005	1.61	NA	NA	
1304.969	228.971	125.509	62.969	14.942	1014.784	187.963	486.287	311.187	683.032	476.242	130.509995	1.61	133.3302	75.79	
1285.006	224.027	123.594	62.67	15.016	1007.934	187.94	480.193	308.711	677.889	474.415	119.959999	1.61	133.0071	75.78	
1294.853	219.171	123.023	62.254	14.987	1013.452	189.359	473.987	308.292	676.911	476.127	113.43	1.61	132.9479	76.75	
1298.043	219.247	122.562	61.803	14.808	1012.963	190.593	472.565	307.604	673.854	477.693	111.970001	1.61	133.1174	75.65	
1276.423	216.565	121.789	61.399	14.455	1013.827	187.284	470.096	305.061	669.039	469.982	113.889999	1.61	133.271	74.69	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	108.440002	1.61	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	105.629997	1.61	NA	NA	
1274.489	218.437	121.548	60.954	14.64	1024.161	188.559	471.94	304.466	668.67	471.267	102.099998	1.61	133.2758	74.3	
1273.91	218.471	121.043	60.698	14.602	1016.268	188.636	468.495	303.183	664.438	469.182	102.010002	1.61	133.4414	74.45	
1260.725	213.493	119.968	59.407	14.121	995.32	183.236	463.164	298.212	654.54	458.599	102.209999	1.5	133.6856	74.64	
1273.854	214.85	119.704	59.41	14.454	1004.685	188.763	467.556	299.887	660.486	459.799	101.510002	1.5	133.3817	74.25	
1299.673	218.826	120.429	59.651	14.354	1009.904	189.655	473.91	302.119	664.942	462.191	99.639999	1.5	133.4144	74.62	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.449997	1.5	NA	NA	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.550003	1.85	NA	NA	
1309.501	221.196	121.344	60.084	14.595	1026.655	191.011	472.426	302.825	669.567	462.228	99.580002	1.85	133.4061	74.55	
1312.532	221.415	122.343	60.058	14.515	1035.286	191.769	471.689	302.51	671.247	460.009	99.489998	1.85	133.2579	74.73	
1306.766	223.587	123.113	60.352	14.221	1040.657	192.179	474.114	303.679	673.867	461.745	94.099998	1.85	133.7057	74.44	
1309.699	225.649	124.004	60.823	14.433	1042.196	193.333	479.79	305.65	679.916	469.082	89.93	1.85	133.5344	74.95	

_DATASETS

FINAL DATA_Okt2013-Feb2019 HIGH LOW

date	DJACHi	DJACLo	DJALHi	DJALLo	DJCCHi	DJCCLo	DJCFHi	DJCFLo	DJCPHi	DJCPLo	DJCTHi	DJCTLo	DJLEHi	DJLELo	DJGOHi	DJGOLo	DJNIHi	DJNILo	DJSIHi	DJSILo	DJSUHi	DJSULo	DJWEHi	DJWELo
28.02.2019	138.0912	136.8568	158.9946	157.5405	172.6324	166.5921	91.4125	91.4125	448.6699	443.9493	123.239	121.4189	442.618	431.3546	458.7707	453.9019	299.9657	296.8807	307.1857	302.2468	172.4734	168.3511	173.2902	169.5933
27.02.2019	138.149	137.7513	159.6178	158.0391	172.6324	168.9784	90.8494	90.8494	448.2345	443.2636	122.5817	121.2336	434.2466	422.1715	459.9448	455.3867	298.8346	292.8931	309.6068	304.7647	172.7394	170.2128	175.7856	171.9963
26.02.2019	138.0777	136.9558	158.4545	156.4603	171.7375	168.0089	90.474	90.474	446.7261	442.8522	123.1884	121.183	424.6575	418.9751	460.0829	457.7003	296.3894	292.9616	309.7037	306.7015	174.2021	170.2128	175.3235	171.4418
25.02.2019	137.7672	136.5439	159.327	157.7067	170.9172	167.6361	93.1957	93.1957	449.1601	443.3665	124.3849	122.784	423.4906	418.9244	460.9461	458.3564	300.4685	293.6129	311.0595	308.0573	177.2606	172.2074	182.9945	174.7689
24.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.02.2019	137.0655	136.3284	159.4516	157.1251	174.1984	168.6055	93.2895	93.2895	444.9092	436.4073	126.6599	121.1156	421.6641	417.0979	461.1878	457.1133	298.766	291.5676	310.5752	307.3794	177.7926	175	183.8262	180.6839
21.02.2019	137.5845	136.0251	158.0183	154.6531	174.6458	167.1141	92.9611	92.9611	439.7669	436.3044	125.2444	121.1665	418.9751	411.2633	464.192	458.4254	295.0069	291.3505	315.3399	307.67	177.9255	174.4681	183.0869	179.0203
20.02.2019	137.3947	136.4505	155.0686	153.4067	175.8389	171.0664	93.7119	93.7119	440.4525	433.5962	122.4638	121.4189	415.2714	407.7626	466.0566	463.5359	295.3268	287.8999	315.6111	310.5752	178.4574	173.6702	183.3641	177.3567
19.02.2019	137.303	135.4074	154.5908	152.6797	176.4355	172.4832	93.8527	93.8527	434.7617	424.2029	122.6323	121.0988	421.4105	408.6251	464.3992	456.5262	289.0654	282.4383	311.35	306.411	176.4628	172.8723	187.9852	181.7006
18.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.02.2019	136.055	134.8875	154.8608	152.8251	174.8695	169.2767	94.8381	94.8381	426.277	418.4607	121.4526	120.1382	422.8818	411.2126	457.0787	453.8329	283.3352	275.5656	306.9921	302.576	174.6011	165.1596	189.3715	185.9519
14.02.2019	136.1121	134.9599	154.3	152.5135	170.5444	167.8598	94.4158	94.4158	424.7172	418.5807	121.2504	119.9023	414.4089	408.3206	454.9033	450.6906	284.5064	277.0795	305.0165	301.0846	168.0851	164.0957	194.4547	188.7246
13.02.2019	136.2868	135.3845	155.1309	153.2613	172.1849	167.487	95.8236	95.8236	421.4261	418.4779	121.2504	119.7	415.2714	407.6611	456.3191	452.797	284.1636	280.6216	307.7668	304.571	169.4149	166.6223	194.8244	192.2366
12.02.2019	136.7415	135.9298	155.8745	153.6311	170.082	167.6063	96.0863	96.0863	422.146	417.1066	121.1223	119.2315	417.4023	411.2126	455.2141	452.3481	286.1814	278.4118	307.9605	304.6097	170.2128	166.5691	192.7542	190.5915
11.02.2019	136.6039	135.7292	156.2651	154.3124	168.4862	165.0708	95.4294	95.4294	425.6119	420.2983	123.758	119.7	421.796	414.5104	455.3177	451.3467	290.2262	283.0279	307.7087	304.3773	168.9628	166.4362	192.0887	189.8706
10.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.02.2019	136.0718	134.8365	158.1637	155.5879	168.2923	164.5041	97.0906	97.0906	429.4412	425.1903	123.7647	122.9896	424.2719	419.5028	455.6285	452.866	296.0078	284.4676	307.9218	303.9318	170.7181	168.5638	193.3272	190.2957
07.02.2019	135.4504	134.5258	158.5625	156.4853	169.4556	163.7136	97.7382	97.7382	431.1004	427.158	124.85	122.5379	423.4094	420.1624	454.3508	451.1395	297.1824	293.069	305.1327	303.2346	171.516	168.5904	194.658	189.7967
06.02.2019	135.7852	134.6188	160.8018	158.226	169.7987	165.4735	97.9822	97.9822	430.6822	426.397	124.8905	123.1884	427.5495	421.5627	455.7666	453.453	304.2276	293.1444	307.3794	303.8931	171.6755	169.9468	196.3956	194.1774
05.02.2019	135.6871	135.0497	160.698	158.9115	166.8158	163.6092	97.8414	97.8414	427.734	422.6603	124.2669	122.4638	432.8767	425.3678	456.1464	454.0055	302.3995	293.1444	308.5415	306.3142	171.9415	169.6809	195.2865	192.4214
04.02.2019	135.8585	134.0909	159.327	155.0769	167.5615	161.6704	96.9029	96.9029	423.5687	417.2952	124.486	122.4638	433.0797	428.1076	456.5262	453.3494	302.5366	286.7687	308.4447	303.7962	171.4096	166.3564	195.5638	192.7911
03.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.02.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.02.2019	134.4993	133.6166	158.9115	155.7956	164.2058	161.5213	97.1844	97.1844	423.4145	418.5465	125.9353	124.0984	431.7605	426.2811	458.5981	456.0428	289.4538	280.5416	311.4468	308.1542	169.8138	167.1543	194.6396	190.4806
31.01.2019	137.3686	133.9616	159.9294	157.8521	163.3855	161.1484	95.8236	95.8236	424.9229	420.6034	126.1375	124.7051	429.3252	423.034	459.634	454.2472	285.2834	280.9415	313.7711	308.4834	170.7447	166.6223	192.2366	189.8336
30.01.2019	136.0035	135.6219	158.7869	156.8342	166.3684	161.2975	95.6828	95.6828	422.7288	414.7069	125.6151	124.3006	424.9619	420.9031	456.0773	453.7983	283.798	276.2569	309.6068	306.5078	169.9468	165.8245	191.22	189.1867
29.01.2019	135.927	135.1869	157.8313	155.6478	170.3207	164.5041	95.8705	95.8705	415.8729	410.3591	125.4634	123.8625	425.2664	420.2943	454.7301	451.5884	278.0393	267.8703	308.4447	304.571	170.8777	167.2872	192.976	188.817
28.01.2019	135.5597	134.322	159.8463	155.1516	171.7375	165.8464	95.3543	95.3543	415.9068	409.8732	124.9242	123.2727	433.1811	421.7149	452.279	449.8964	273.8803	269.4698	306.5078	302.3436	171.9415	165.4255	193.5305	190.7579
27.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.01.2019	135.5116	134.0307	159.8878	156.6888	168.7547	165.399	98.7799	98.7799	415.6668	405.3137	125.0253	123.2558	429.5282	418.7722	450.8978	443.6464	273.1261	267.8702	304.2805	296.3393	173.0053	164.4947	193.3457	191.0351
24.01.2019	134.7752	134.1127	159.14	155.7333	169.7241	166.7412	96.7152	96.7152	408.1762	403.7881	124.5366	123.0873	422.4252	410.1471	445.511	442.645	268.83	264.3739	298.373	295.3709	173.8032	172.2074	195.5638	192.7911
23.01.2019	134.553	133.1983	159.8255	157.0004	168.9038	166.0701	96.152	96.152	409.736	405.8622	125.1601	122.9862	414.1045	408.0162	446.1326	443.3702	267.3446	264.1453	299.1478	295.952	172.8723	171.0106	194.4547	192.6987
22.01.2019	135.0573	133.2999	157.4159	153.843	172.0358	165.9955	96.5275	96.5275	414.844	405.9308	125.1938	122.6154	411.5677	405.8346	445.6837	443.0249	269.8812	263.4826	297.5015	294.3056	173.4043	170.7447	194.4547	190.2957
21.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.01.2019	135.2545	134.1764	156.3772	154.1338	175.3915	171.2901	96.1051	96.1051	415.8725	410.4559	125.7668	124.3006	407.2552	398.2243	448.4461	444.337	270.4068	264.351	302.2468	297.8888	173.9362	170.8777	193.0684	190.4806
17.01.2019	135.746	134.0089	155.1516	151.7034	176.3609	172.1104	95.542	95.542	410.7302	407.0278	125.7162	123.4749	400.761	396.4992	449.3439	447.0994	265.9392	261.4831	302.9247	299.8257	175.133	170.6117	193.1608	188.1701
16.01.2019	135.8236	134.7623	156.5642	153.1159	174.6458	169.5749	94.5096	94.5096	410.1131	405.2108	123.9467	121.756	403.3993	398.6301	449.413	446.8923	268.4186	264.191	303.7962	300.6973	176.4628	173.6702	191.0351	188.9094
15.01.2019	135.8023	134.4363	154.6115	151.9111	176.0626	168.4564	94.275	94.275	407.7477	403.771	123.7782	121.756	404.4647	397.7676	449.3439	446.547	266.5448	259.8035	304.6678	301.6657	175.3989	169.2819	191.5896	187.8004
14.01.2019	134.9401	134.1448	153.4275	150.4362	177.7778	174.0492	95.3074	95.3074	408.8618	402.5883	123.9973	122.0593	406.2912	398.7823	449.8964	447.1685	262.6371	258.638	303.8931	301.8594	170.7447	167.9521	193.0684	189.7412
13.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.01.2019	134.9004	133.9347	155.2223	152.4803	178.6726	175.2424	96.2459	96.2459	409.64	405.2863	123.4075	121.9077	406.3521	399.3506	449.1782	446.3467	262.596	255.3976	305.6363	302.0531	171.6755	168.484	193.6229	189.7412
10.01.2019	134.3015	133.7234	155.2057	153.4192	178.1506	173.6018	96.9967	96.9967	409.952	404.5012	124.4018	122.093	402.5368	396.4485	449.4959	445.8218	257.8976	254.3556	306.6047	302.6341	171.2766	167.8191	192.329	189.2791
09.01.2019	134.2824	133.6404	156.2235	152.5675	178.0015	174.9441	97.9352	97.9352	411.5324	404.5389	124.0479	120.7786	405.9564	397.1284	447.3135	443.1837	258.0919	254.6641	306.5078	302.731	171.9415	168.0851	193.6229	191.4048
08.01.2019	134.3348	131.6837	155.9826	153.9053	179.7166	175.6152	96.0582	96.0582	407.0518	403.2808	124.4523	120.7786	399.5434	393.7595	446.2293	442.5414	256.3346	251.5356	305.1714	301.3752	170.8777	167.4202	193.9002	190.1109
07.01.2019	132.1027	129.9944	156.5226	154.6531	179.9403	175.7644	94.932	94.932	408.2448	404.1652	124.5534	122.211	398.4272	394.0639	447.6865	443.4047	254.8903	252.3766	307.5731	304.1836	168.484	158.6436	191.5896	189.8336
06.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.01.2019	131.9821	130.4118	155.9202	152.1396	178.9709	172.6324	94.2281	94.2281	406.4621	392.9894	123.6434	119.363	399.3912	392.0852	449.0331	441.3674	254.159	246.5037	308.6384	303.0215	159.1755	155.4521	191.7745	189.6488
03.01.2019	132.7258	131.1639	152.5343	147.715	180.6861	177.4049	93.3365	93.3365	403.6339	392.3209	121.301	119.0597	399.7971	391.7808	447.1685	443.4047	248.9488	243.4644	306.2173	301.1815	158.6436	155.4521	190.7579	187.1534
02.01.2019	133.1729	132.1995	154.1545	147.6735	180.7606	176.5101	93.2426	93.2426	411.1587	400.0514	122.329	119.3798	413.9016	394.3176	445.7182	442.2997	247.7034	239.7052	303.6026	297.9857	160.9043	157.3138	188.7246	185.305
01.01.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2018	133.9546	132.9014	153.3444	151.184	181.7301	177.5541	93.1957	93.1957	414.4669	404.9366	122.784	121.5032	419.2796	407.7118	444.2334	441.8854	250.1828	242.1846	301.5689	298.0825	165.0266	159.9734	189.7412	185.9519
30.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.12.2018	133.8333	132.9963	154.8816	151.3502	179.7912	174.6458	94.2281	94.2281	416.9009	410.4217	122.784	121.4189	421.309	411.9736	443.5773	440.8494	245.3382	242.2532	299.4383	296.0488	165.4255	162.1011	189.9261	188.4473
27.12.2018	133.9146	131.8046	157.9767	152.9497	181.1335	175.0932	94.6973	94.6973	415.4954	408.3476	124.9916	121.1156	416.0325	402.5368	442.4724	438.2251	248.1261	243.7843	297.0172	290.6256	165.4255	162.633	189.6488	187.5231
26.12.2018	132.5411	131.6634	156.5226	156.5226	181.6555	172.1849	94.1811	94.1811	408.3476	403.9972	123.9299	121.5875	404.5662	404.5662	442.7831	437.7417	248.1261	248.1261	295.3709	286.3645	166.3564	163.9628	192.5139	188.3549
25.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.12.2018	131.9988	131.2919	165.2887	155.5671	174.8695	168.2327	93.5242	93.5242	410.9702	407.4391	124.6882	122.0088	406.2912	398.9853	439.4682	435.7735	250.3199	247.5777	287.5266	285.1056	166.0904	163.8298	191.4972	188.9094
23.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.12.2018	132.0516	131.4011	158.9531	157.3328	170.7681	165.6227	93.2895	93.2895	414.8783	409.7017	127.4014	123.2558	401.8265	393.5058	437.2238	434.0815	250.3428	247.2578	287.8172	284.1371	165.8245	162.633	193.7153	189.464
20.12.2018	131.7602	130.4705	159.8671	157.4159	172.7815	167.8598	94.3219	94.3219	415.2897	407.5763	130.4011	126.4914	402.0802	394.3683	438.1906	430.3177	250.6627	246.5494	288.7856	283.1687	166.0904	163.9628	195.1017	192.6987
19.12.2018	131.5153	130.8172	159.7632	158.5999	172.9306	167.1887	92.5856	92.5856	415.1011	408.999	131.4965	129.1709	400.5074	393.3029	435.808	431.837	251.1197	246.4351	288.5919	284.7182	170.8777	163.2979	196.9501	192.7911
18.12.2018	131.936	130.1051	161.5081	159.0154	172.4087	166.2938	93.1488	93.1488	420.3634	408.0905	132.4739	131.0415	400.6088	390.2588	433.1146	431.2845	252.6622	245.6924	286.4614	284.3308	166.0904	163.0319	198.0591	195.9335
17.12.2018	131.5019	129.9113	160.5526	158.7869	168.7547	164.4295	93.618	93.618	421.1347	416.6781	134.4793	131.2942	397.6662	390.5632	432.355	427.9696	253.5649	250.2514	286.1708	283.1687	170.0798	165.8245	198.6137	195.9335
16.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.12.2018	132.3121	131.3066	160.0956	158.5999	169.9478	165.2498	95.8236	95.8236	422.3174	416.7638	134.7152	132.4907	396.6514	391.4358	430.732	426.9682	252.7879	245.3611	287.7203	282.0066	169.4468	167.2872	198.7985	195.1017
13.12.2018	132.3246	131.7309	161.0303	159.0777	168.0835	160.9993	95.4951	95.4951	427.2369	421.0662	134.7658	133.0468	403.1456	395.5353	432.1478	429.7307	249.383	244.6984	288.5919	285.9771	170.2128	165.2926	199.0758	194.6396
12.12.2018	132.0225	130.8064	160.5152	159.4765	164.0567	157.7181	95.8236	95.8236	424.3264	420.6925	135.3219	134.1085	404.0589	398.275	432.424	430.663	247.3195	244.4401	288.4951	283.3236	171.5426	168.484	195.4713	192.6063
11.12.2018	131.6236	129.4017	162.1936	159.3685	164.5041	156.4504	95.8236	95.8236	424.7789	417.5797	135.9117	133.3502	403.2369	395.7281	433.3909	430.4558	249.5041	244.4767	287.0424	282.8782	171.2766	168.3511	195.4713	191.3124
10.12.2018	130.5931	129.7726	161.828	159.7216	166.3684	162.9381	97.5129	97.5129	421.8649	416.8941	135.8274	133.7209	405.2867	395.6976	433.6671	430.9392	249.3099	245.5393	285.1056	282.1034	171.1436	167.8191	196.3956	193.9926
09.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.12.2018	130.8519	129.4358	163.4566	160.0914	167.4124	158.6875	97.466	97.466	425.1697	416.7707	136.3836	132.7941	405.378	400.8118	433.4945	429.0746	250.6833	246.7984	285.1056	281.0188	173.6702	167.1543	196.6728	190.4806
06.12.2018	131.4275	130.2811	162.8791	159.8463	159.657	157.3453	98.076	98.076	423.7573	416.421	136.7543	132.4739	404.1603	397.7676	431.5953	428.2113	255.8044	245.1782	282.4327	279.1981	169.9468	166.0904	191.4972	188.5397
05.12.2018	131.588	130.1346	163.3361	162.6298	163.0872	156.2267	99.0615	99.0615	426.0542	421.5632	137.0071	134.2433	406.8493	401.9381	429.7652	427.7624	255.8387	251.8396	283.5561	280.6508	171.1436	168.2181	193.1608	189.8336
04.12.2018	130.8174	129.0129	164.2086	162.3806	165.1752	161.6704	99.5307	99.5307	432.6706	422.866	135.423	133.6704	407.5089	398.1735	430.732	426.7265	259.9406	252.5137	285.4929	280.0697	172.7394	168.883	193.4381	190.7579
03.12.2018	130.7116	129.0848	165.2057	162.0482	165.1752	160.6264	100.7977	100.7977	436.5101	425.9856	137.9339	132.9794	407.9148	396.9559	428.2804	423.5497	260.8318	253.862	283.6529	276.5834	173.8032	170.2128	195.5638	190.6654
02.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.12.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.11.2018	131.0253	129.4935	162.0482	159.6593	164.877	159.8807	100.657	100.657	428.4196	423.6202	133.6198	132.2211	402.5368	391.4764	425.1036	421.8923	255.3473	249.4401	279.1013	273.3876	173.2713	167.8191	191.9593	187.5231
29.11.2018	130.297	128.1674	160.8849	159.4724	163.0127	158.091	105.0211	105.0211	429.8252	426.0884	133.4681	131.5133	399.3912	390.1573	426.3122	423.6188	252.308	246.0238	280.2634	277.7455	175.5319	169.1489	190.2033	187.061
28.11.2018	130.1116	129.5501	158.2052	160.7755	157.047	104.5519	104.5519	429.9109	419.9691	413.2154	130.9403	129.0192	407.7088	385.4896	425.6906	420.2348	248.846	244.7328	280.5539	275.1307	170.8777	164.0957	189.7412	186.7837
27.11.2018	130.8076	129.9229	161.1134	158.5791	161.4467	157.1961	103.6133	103.6133	425.1628	419.5063	132.4233	130.6707	394.4191	384.8808	425.2762	420.5456	248.1261	244.3556	279.0045	274.7434	166.0904	163.9628	191.0351	186.3216
26.11.2018	131.1162	129.9453	161.2754	159.3477	159.657	156.8978	103.0502	103.0502	427.8882	422.8488	132.4233	130.064	398.8331	390.208	426.2776	424.0677	248.8688	244.984	281.7161	277.5518	167.9521	164.7606	190.1109	187.5231
25.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.11.2018	131.1194	130.1732	161.5912	159.6801	159.9553	158.1655	103.5195	103.5195	429.9794	422.7803	132.7604	130.0977	407.103	394.7235	426.4157	423.5152	251.2683	244.7269	283.2655	276.6802	168.617	164.2287	190.7579	187.2458
22.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.11.2018	131.3932	129.3823	162.0066	160.3033	163.311	158.9858	106.4758	106.4758	429.6195	422.9002	133.7883	130.182	407.8133	397.9706	427.0028	423.4116	254.479	251.0512	283.9434	278.5202	169.9468	165.0266	189.2791	186.5989
20.11.2018	129.7161	128.7883	160.6149	159.3685	165.3244	161.9687	107.4613	107.4613	432.0535	421.9061	132.0694	130.4853	408.1177	398.3765	426.5884	423.4116	258.6266	251.9995	282.6845	277.5518	171.2766	164.3617	188.4473	186.2292
19.11.2018	129.773	128.8813	161.2796	159.4516	168.3818	162.8635	106.1943	106.1943	430.3737	424.7172	133.1817	130.8561	410.9589	402.7397	425.3108	422.8246	260.2834	254.9132	281.7161	279.876	172.6064	168.0851	190.4806	186.0444
18.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.11.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.11.2018	129.5296	128.6549	160.9057	159.327	169.2767	164.2058	106.6635	106.6635	427.2197	422.0089	133.7041	131.5133	406.4942	391.6794	425.4489	421.4779	261.6888	256.7756	281.3287	277.7455	169.9468	167.6862	191.0351	189.1867
15.11.2018	129.1567	127.8543	162.4221	159.1816	168.9038	163.7584	105.8658	105.8658	425.8142	417.7237	132.7941	131.092	400.2029	390.5632	422.2376	419.337	262.6028	256.5471	279.3918	274.9371	171.1436	167.2872	191.1275	189.2791
14.11.2018	129.3509	128.11	161.1134	159.8671	168.2327	162.9381	105.3496	105.3496	419.952	413.747	132.575	130.8729	397.311	391.0198	422.134	415.7459	259.0265	256.2843	276.2929	270.8696	169.9468	166.7553	192.6063	188.7246
13.11.2018	128.7685	126.0056	162.2767	159.5347	168.9784	165.0261	104.3641	104.3641	423.9973	412.7185	132.5076	130.6033	396.4485	387.4176	418.2666	415.1934	263.894	256.6956	275.1307

14.09.2018	130.4045	127.073	171.0636	168.1969	173.4526	164.6532	93.3834	93.3834	413.5756	406.0336	138.153	137.1082	420.0406	411.9229	419.1298	413.6395	289.8423	283.558	277.2613	273.0002	165.5585	157.8457	189.464	183.4566
13.09.2018	126.4657	125.5259	171.9568	168.2592	174.1238	170.9172	94.1342	94.1342	416.2016	410.2023	139.2653	137.2093	420.8118	409.6499	420.5801	416.1948	291.4122	286.4991	278.6171	275.1307	164.6809	160.9043	188.4473	183.0869
12.09.2018	125.9501	123.7158	171.7989	166.2318	174.4966	168.8292	93.9465	93.9465	411.8958	400.9942	140.6134	137.4958	412.6839	397.9706	419.0262	413.605	288.3867	275.3611	277.2613	273.1939	160.9043	154.3085	195.6562	184.9353
11.09.2018	123.5803	122.684	173.012	168.6082	172.5578	168.7547	93.9934	93.9934	408.3682	397.638	141.3886	138.1025	411.7605	396.5398	415.366	411.8785	283.4712	277.0727	276.2929	270.4823	154.2819	151.7553	196.9501	191.22
10.09.2018	123.4037	122.6785	174.0341	167.9684	172.9306	167.7852	94.932	94.932	406.301	400.6102	141.3212	138.1699	424.0081	409.8021	415.6768	413.1906	284.511	279.0265	276.6802	273.2907	152.0213	148.4574	195.2865	187.9852
09.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.09.2018	122.0587	120.4055	171.4582	168.1346	173.6764	167.5615	94.9789	94.9789	407.0621	399.2458	140.546	136.8386	421.4105	410.3501	417.4378	413.9503	285.6261	278.1993	276.7771	273.1939	146.6755	143.2181	190.1109	187.7079
06.09.2018	121.3386	120.4743	172.1437	168.1346	173.9001	168.9036	95.7766	95.7766	409.9931	402.1426	138.3047	136.8723	420.7002	409.8427	418.7155	414.7445	286.4831	282.027	277.7455	273.9686	145.2128	142.8191	193.9002	189.5564
05.09.2018	121.9517	120.5579	172.58	169.5887	176.7338	170.9918	95.2135	95.2135	403.5996	398.423	139.8551	137.2599	424.759	414.5104	415.7459	413.1215	287.4771	281.3071	276.2929	273.5813	145.8777	139.4947	198.9834	192.6987
04.09.2018	122.3021	119.6438	176.0075	170.0665	174.1984	169.6495	92.6795	92.6795	409.6846	397.4631	139.8719	137.0745	431.9635	419.1781	416.989	412.6727	291.4648	281.6385	281.8129	271.9349	142.5532	139.7606	201.6636	192.2366
03.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.09.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.08.2018	121.0629	119.791	178.5002	175.592	174.7949	168.1581	95.0258	95.0258	416.2839	408.9818	139.8214	138.2878	427.0421	416.692	419.4751	415.9185	303.9877	290.8478	285.8803	281.3287	142.6862	138.9628	202.4954	197.7819
30.08.2018	121.0451	120.1529	180.4113	175.0935	175.3915	168.9784	94.4158	94.4158	419.0607	411.9986	140.209	138.0182	427.3973	415.931	419.1989	415.1588	308.9465	300.8341	287.1393	281.8129	141.4894	137.633	203.1423	195.9335
29.08.2018	120.4589	119.2981	180.4321	175.9036	175.7644	172.1104	96.2928	96.2928	421.6661	416.3181	141.9784	138.4395	424.6068	418.9244	419.337	416.9544	311.4945	306.0101	288.5725	284.9119	139.0957	136.1702	201.4787	192.8835
28.08.2018	121.277	118.8643	177.5031	172.7669	175.8389	172.0358	96.3867	96.3867	422.9345	415.4611	141.3886	139.3327	426.687	420.3957	421.5124	417.8177	311.6088	303.2678	291.8846	286.9456	139.8936	135.9043	195.5638	191.7745
27.08.2018	121.3054	117.5094	173.6809	173.6809	178.7472	173.5272	98.2637	98.2637	418.6836	418.6836	140.4449	137.0745	423.034	423.034	420.8564	417.6105	305.6673	305.6673	290.4319	287.0424	140.4255	136.0372	198.3364	192.976
26.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.08.2018	120.4797	117.8139	174.7403	171.0428	177.0321	174.2729	95.2604	95.2604	419.1978	408.7761	140.1079	137.1419	427.6002	417.7575	419.5442	410.739	307.0955	301.3825	289.754	281.9097	139.3617	134.0426	200.2773	197.8743
23.08.2018	120.476	119.7327	171.9983	169.2148	174.7949	170.2461	94.0404	94.0404	411.5872	404.5252	138.8945	136.7206	421.0046	407.3059	415.5041	411.8785	309.0836	300.6284	287.6235	282.8782	135.7713	133.3777	203.6969	197.9667
22.08.2018	122.0604	119.6484	172.393	170.2327	173.1544	168.1581	93.2426	93.2426	414.964	409.3761	140.9168	138.2036	410.9589	404.2618	417.2652	414.1229	312.9228	306.9813	289.6572	286.074	135.9043	131.7819	204.2514	199.6303
21.08.2018	122.7526	121.675	172.2268	170.0249	168.9784	162.1924	94.4158	94.4158	416.2496	410.4902	141.6414	139.0799	410.0457	400.1015	415.4006	412.4309	313.9968	308.0553	288.9793	285.919	135.9043	132.8457	208.3179	202.0333
20.08.2018	122.7991	121.9205	172.8085	168.28	165.921	159.2841	94.4627	94.4627	413.1128	405.8108	140.0236	136.8049	411.0604	399.8985	413.2942	410.808	315.425	307.3126	288.9793	285.1056	136.4362	132.7128	214.695	207.024
19.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.08.2018	123.1252	120.6696	170.0872	167.3452	161.223	159.2095	97.466	97.466	407.0621	401.577	138.0013	136.6363	413.5972	402.8412	410.0138	407.0442	310.5347	300.8227	287.4298	284.234	137.633	134.5745	215.4344	205.1756
16.08.2018	121.2135	120.1586	170.4612	167.4699	163.5347	159.5824	98.4514	98.4514	407.9191	397.1889	138.5238	135.8611	417.7575	390.8676	410.4972	403.0387	306.7984	292.6303	288.9793	279.0045	138.6968	136.0372	209.7967	203.6044
15.08.2018	121.4079	119.9196	171.8322	166.5974	163.6838	159.135	99.1084	99.1084	413.8841	395.4405	140.5629	136.0634	422.9325	389.9543	414.9517	408.0801	307.027	291.2591	293.434	279.7792	139.0957	135.9043	207.9482	203.0499
14.08.2018	120.3141	119.318	173.1432	170.0457	160.4773	158.5384	101.8301	101.8301	421.529	412.7871	140.5966	138.9114	431.7605	421.309	416.3674	413.9848	310.2605	305.5759	294.4025	292.0589	139.4947	136.4362	208.2255	204.159
13.08.2018	120.7441	119.1653	174.9065	172.0399	161.223	157.8673	100.8916	100.8916	424.0487	417.7408	143.7142	138.2204	431.7605	421.6134	421.7541	413.9157	317.1161	307.5183	299.0509	291.8846	140.2926	135.7713	211.5527	204.2514
12.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.08.2018	121.0415	119.5793	175.887	170.9015	158.9262	156.5697	102.2055	102.2055	426.3798	419.6263	147.7755	143.4951	430.7864	423.8864	422.9282	418.9227	319.2185	310.8775	301.011	297.6177	144.1489	138.6968	218.5582	208.5952
09.08.2018	122.3481	120.0151	178.2551	171.9817	160.0597	156.4504	102.0554	102.0554	431.7895	422.2935	147.2531	146.3263	439.6347	426.6464	423.0318	420.7528	322.5366	316.2523	301.7625	299.0509	146.4096	143.3511	216.7098	212.2921
08.08.2018	122.49	121.174	175.0727	168.6332	161.2975	156.6145	101.3139	101.3139	425.0634	419.6469	148.8541	146.9161	437.5951	431.6083	422.5483	419.337	320.5347	315.6216	300.3293	296.9204	144.8138	142.6862	216.7837	211.9039
07.08.2018	123.5317	121.3699	171.184	168.6498	158.956	155.9433	102.4589	102.4589	423.8636	417.8985	150.2696	146.7139	436.7326	429.2237	422.7555	419.8204	317.1344	309.8218	300.6779	296.9204	147.4734	144.1489	218.244	210.2218
06.08.2018	123.916	122.9058	169.6095	167.366	158.613	151.7524	100.657	100.657	424.7857	415.1183	149.3933	147.0003	431.6083	420.9538	423.3425	419.6478	312.5229	302.7879	300.3099	296.3393	148.0053	144.2819	212.5693	203.8817
05.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.08.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.08.2018	123.8922	121.2101	169.4848	167.4491	155.7793	152.1253	100.1408	100.1408	426.8426	415.8039	150.1685	146.2083	435.7179	425.4693	424.1367	418.7845	308.8208	297.8519	301.5689	295.3709	146.9415	140.4255	209.8891	204.8059
02.08.2018	122.54	120.8629	170.8766	168.4047	156.9724	153.1693	99.4838	99.4838	422.9002	415.324	149.6967	147.7924	437.6459	428.209	424.5511	421.2017	309.5064	302.4223	300.0194	297.792	143.617	137.8989	219.1312	206.3771
01.08.2018	122.6088	120.5656	172.4761	169.7341	161.8195	153.8404	101.0793	101.0793	431.5393	420.1577	151.6178	148.8709	437.3415	428.412	426.0014	423.1008	320.5553	307.3012	301.3558	298.373	141.7553	138.1649	209.2421	203.6044
31.07.2018	121.8501	120.3504	173.6394	171.5206	168.3072	160.6264	102.8625	102.8625	433.4248	424.0658	151.365	149.8652	445.5099	434.9569	427.2445	422.203	320.6353	314.4653	302.8278	297.8888	144.2819	138.9628	208.6876	199.9076
30.07.2018	122.8823	120.9528	173.8679	170.3781	170.0224	165.7718	102.9094	102.9094	431.4193	422.4032	151.2639	147.9609	437.7981	428.6657	426.105	423.9986	316.1677	311.2546	301.472	298.5667	146.2766	143.617	203.9741	196.1183
29.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.07.2018	122.6349	120.8847	172.4969	170.1703	173.9746	165.1007	102.0178	102.0178	433.2191	428.6939	149.2754	147.1352	439.5231	433.0289	426.9337	423.4461	316.3391	311.5402	301.3752	297.2109	147.8723	144.2819	200.3697	194.2699
26.07.2018	124.0994	119.9735	173.4732	170.3573	174.7949	167.4124	102.534	102.534	436.8872	428.6596	148.8204	146.6801	442.7194	435.0076	429.7652	426.0014	315.3336	310.0777	303.8931	299.3415	149.3351	144.016	204.7135	196.7652
25.07.2018	123.1511	121.5409	173.1201	170.2534	169.3512	166.5921	103.1441	103.1441	433.6476	427.6483	149.2922	146.0903	441.2481	430.9995	429.3508	425.6215	315.3565	309.0722	303.2152	299.632	150.7979	147.4734	201.5712	188.6322
24.07.2018	122.9078	121.5578	175.2597	170.3988	171.5884	167.5615	103.4725	103.4725	433.4419	418.7007	147.2026	145.0961	442.3135	430.7458	427.6934	423.6878	313.8026	302.2623	302.5373	297.1141	149.734	147.3404	190.8503	186.7837
23.07.2018	123.0489	121.9974	172.85	168.5708	173.9746	169.7241	103.848	103.848	425.3171	419.3521	147.034	145.5342	440.4871	430.5429	429.7997	425.1381	310.9918	305.3473	301.6657	297.6951	150.266	146.5426	193.0684	189.5564
22.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.07.2018	123.1526	121.9244	169.194	165.7873	174.1984	170.0224	101.4547	101.4547	422.7974	411.6215	148.4496	145.2646	435.8194	428.7164	428.7983	423.2735	310.8318	303.5192	301.472	295.4678	149.6011	145.4787	192.1442	186.1368
19.07.2018	123.1367	122.2981	169.9834	165.7457	175.9135	170.6189	100.7039	100.7039	425.8142	410.3188	149.0731	147.2194	442.9224	424.8605	427.7624	421.6851	314.2139	301.1883	301.9562	294.112	147.7394	145.3457	186.9686	181.2384
18.07.2018	122.9547	120.3392	169.381	167.4699	179.1201	173.1544	100.8916	100.8916	423.5516	416.421	149.6293	148.1126	442.618	431.9635	427.9696	425.2417	311.2431	303.8163	302.6341	298.4699	148.8032	146.8085	186.6913	182.8096
17.07.2018	121.455	119.9874	172.85	168.1554	181.1335	176.0626	102.2525	102.2525	428.7281	421.0833	149.1237	146.2757	444.7996	438.4069	433.5981	427.0208	313.8711	307.2441	307.67	301.472	149.0691	146.4096	186.4	180.3142
16.07.2018	121.3888	119.2835	171.7698	168.0307	193.3632	178.2252	102.1117	102.1117	429.2081	421.1862	148.7867	147.0003	447.9452	438.7113	433.7362	431.2845	320.4753	311.4488	307.9605	305.3457	151.3298	144.5479	184.2884	179.9445
15.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.07.2018	119.838	118.65	170.4404	167.5737	187.7703	182.9232	102.2525	102.2525	427.6826	421.8889	150.3539	146.1072	448.8077	440.69	434.8066	430.6285	326.3026	317.3903	310.1879	304.2805	148.1383	145.2128	183.7338	178.0037
12.07.2018	120.0226	117.6828	172.1562	168.2509	185.8315	182.5503	104.5519	104.5519	427.7888	417.9842	149.208	142.3155	450.8168	433.2623	434.1575	431.8232	328.3775	316.4945	310.3816	305.6363	150.133	145.7447	180.4991	174.3993
11.07.2018	119.0793	116.2141	173.0827	169.8214	186.5026	182.4012	104.7865	104.7865	433.603	416.3593	145.5679	142.1301	468.8787	443.105	436.5331	431.4641	322.628	309.2596	311.5824	306.2173	151.7287	149.6011	181.8854	174.3993
10.07.2018	119.6488	118.2418	175.8039	172.1479	188.0686	182.1775	106.8512	106.8512	441.049	431.4501	145.5679	143.512	476.6109	460.8828	436.9682	432.4517	325.4936	319.0951	313.7711	308.6384	153.1915	150.3989	187.8004	180.4067
09.07.2018	119.9823	118.3567	176.3232	171.9194	185.0858	180.2386	105.6781	105.6781	440.8228	430.1611	144.4051	141.7931	480.8524	472.9376	438.2182	434.6409	324.3899	317.6485	314.9332	311.4468	154.3883	151.1968	190.4806	186.3216
08.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.07.2018	120.4729	118.5534	173.1201	171.0843	186.1298	179.2692	100.3285	100.3285	434.5561	426.1227	142.7705	137.7991	478.9447	469.4064	435.0138	432.942	324.5201	315.7221	312.1247	309.6068	153.5904	150.7979	190.6654	184.2884
05.07.2018	119.9345	118.698	174.5742	171.7075	188.516	181.0589	101.924	101.924	444.6863	432.482	140.5797	137.9339	484.6778	469.9645	435.3936	432.3895	329.0676	319.7898	312.7058	309.3163	154.7872	150.133	187.9852	181.5157
04.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.07.2018	119.7008	118.6973	176.8176	172.0399	189.6346	181.8046	104.6457	104.6457	453.411	444.6863	140.9505	139.1978	488.483	483.0036	434.4613	427.7624	336.1175	326.6339	311.5437	306.411	155.4521	149.4681	182.2551	177.5416
02.07.2018	120.586	118.6843	177.0669	173.7432	187.6212	183.0723	104.6926	104.6926	455.228	447.2746	143.394	139.754	491.5779	483.1558	433.5635	428.4185	340.6193	331.1357	313.3837	306.1205	162.8989	153.0585	188.4473	177.2643
01.07.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.06.2018	118.8203	114.8725	179.7466	176.5476	188.9635	180.0149	107.5551	107.5551	459.2732	453.6853	144.6916	140.4617	495.9411	486.7073	434.047	430.7666	344.1956	336.5402	313.9647	309.9942	163.1649	160.2394	188.1701	178.6506
28.06.2018	115.6932	113.9596	180.4736	177.5654	183.8926	174.7949	108.259	108.259	459.9931	452.2455	143.1581	140.7988	494.4698	485.2359	433.6326	430.9047	342.2532	335.6261	314.4877	309.3163	164.0957	160.2394	182.1627	178.5582
27.06.2018	114.6135	113.3116	182.5717	178.3756	184.4892	175.6898	109.9015	109.9015	462.8728	457.422	143.2255	141.8942	496.9051	487.9756	435.7044	433.1146	342.516	331.09	317.1606	313.6742	166.3564	159.8404	181.793	178.281
26.06.2018	115.3705	113.7057	179.8504	177.1084	186.2043	180.9098	109.8076	109.8076	463.1128	458.7933	143.6636	142.2312	494.3176	486.9102	438.3287	433.8398	339.6252	331.9698	318.2258	314.1584	168.2181	163.5638	183.2717	177.5416
25.06.2018	117.732	114.4237	181.3253	178.3756	187.9195	184.4146	109.1976	109.1976	468.8378	460.953	145.2983	142.2312	492.8463	486.1492	440.0552	437.1547	351.4968	335.8547	320.8406	317.0637	166.0904	163.1649	186.414	180.037
24.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.06.2018	118.2956	117.1779	181.5953	179.5596	189.3363	185.2349	109.0568	109.0568	468.5293	464.3812	144.2872	141.8942	491.6794	480.5175	439.4682	438.018	350.7998	341.7733	320.5501	317.3543	166.2234	162.367	188.2625	184.2884
21.06.2018	118.5895	117.264	181.1799	179.3519	190.3803	185.6823	108.259	108.259	468.9578	464.1584	143.4783	141.7762	491.5271	479.9594	439.2265	436.1878	346.4808	340.425	318.3227	315.03	164.0957	161.5691	188.5397	182.2551
20.06.2018	119.4888	117.8926	182.3639	179.5804	191.0515	182.4758	108.9629	108.9629	470.6891	464.0041	144.3377	140.3101	492.4404	486.6565	441.5055	439.3301	342.7331	334.1636	318.4195	316.289	165.2926	161.3032	185.1201	179.9445
19.06.2018	118.4764	115.1498	184.9813	179.8297	185.8315	181.3572	107.8836	107.8836	479.4309	466.4038	144.8035	141.1695	496.55	486.9102	444.1989	439.4337	343.3387	332.8268	322.0996	315.9016	163.2979	159.1755	185.3974	177.4492
18.06.2018	117.5249	115.6874	184.9605	182.0523	188.0686	181.3572	109.4322	109.4322	481.4878	471.8375	151.4156	146.7813	495.9411	485.3881	443.6809	441.8508	349.84	340.6993	323.649	319.6785	166.2234	162.8989	188.8336	185.0277
17.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.06.2018	116.6447	111.781	187.474	182.6963	188.4415	178.4489	109.6668	109.6668	491.7381	479.3281	156.6566	150.9774	499.5941	487.3161	451.761	441.3329	351.3825	344.527	336.0449	320.5501	167.4202	163.0319	193.6229	186.0444
14.06.2018	115.3784	112.7777	189.3436	187.1417	182.774	178.2998	110.5115	110.5115	497.2403	490.384	157.2801	154.3984	505.2765	496.9559	453.384	449.2749	357.9068	344.7669	337.5944	330.2344	169.9468	166.4894	197.0425	190.3882
13.06.2018	116.2222	115.0392	191.3924	188.1595	184.4892	177.4795	111.1685	111.1685	497.3946	491.2924	157.8868	154.9039	508.8787	499.8478	449.8273	447.4793	357.1527	346.1837	331.2028	327.3291	169.8138	166.6223	204.4362	196.3031
12.06.2018	116.2557	114.6794	193.6435	190.5692	182.5354	177.7629	111.1497	111.1497	497.566	493.315	157.8935	154.8601	507.377	500.7813	450.1381	447.7555	351.1997	345.8295	330.0407	326.1476	170.0798	166.1436	203.475	193.4381
11.06.2018	118.2484	115.2433	193.71	190.511	180.0597	173.9896	110.3426	110.3426	502.6877	494.7	159.3967	156.0027	508.0162	500.1015	451.105	448.1699	354.6892	347.9479	329.7114	325.1559	169.1755	163.75	198.7616	192.7911
10.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.06.2018	117.7326	115.6692	193.8554	190.4071	180.1044	170.44	109.4228	109.4228	502.5574	494.2955	160.755	156.9161	514.0842	500	450.5525	448.1354	354.0448	348.5603	327.0966	323.0486	164.6011	156.117	199.6673	192.2475
07.06.2018	116.8939	115.2625	196.8758	191.317	173.6913	169.0529	108.9817	108.9817	503.5207	494.7446	159.5821	152.275	518.8534	509.721	451.4157	448.6188	361.2317	351.0626	328.2007	323.2036	164.6543	156.383	199.7597	193.2717
06.06.2018	116.9554	115.592	196.5933	193.3112	173.9001	168.4564	110.9338	110.9338	496.1262	486.1844	154.5332	150.573	514.5611	507.4581	450.9323	448.1699	361.3346	356.3071	324.7143	319.8722	163.1649	159.0426	196.3031	187.6155
05.06.2018	116.2339	113.6875	196.4686	193.602	176.3609	169.8732	111.8254	111.8254	487.6757	476.5341	155.5106	151.2133	514.5611	504.7184	450.5525	446.7541	360.5576	347.8748	320.5501	317.0637	162.234	157.9787	191.7745	186.7837
04.06.2018	115.7923	113.9264	196.7179	192.3972	183.296	173.4526	113.4679	113.4679	478.8138	471.9575	159.2686	155.1904	508.9802	493.0492	449.5511	446.8923	353.7934	347.6234	320.7438	317.2574	166.7553	157.7128	193.4381	186.0444
03.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.06.2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.06.2018	116.1652	114.9446	193.5604	189.6136	184.1909	180.0149	114.8756	114.8756	472.746	467.5523	159.2349	156.2521	498.4779	492.3896	450.518	446.616	357.2669	344.8126	319.8722	316.5795	172.4734	165.

30.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
29.03.2018	116.8262	112.1549	169.1525	165.1641	194.4072	189.8583	110.183	110.183	463.9356	455.9136	138.5238	135.9791	492.4404	482.3947	460.1519	457.7003	305.0388	296.9264	316.1921	313.6742	164.4947	162.1011	168.4843	163.2163
28.03.2018	116.3905	114.3049	169.2148	166.9298	194.1089	185.7569	110.1361	110.1361	457.782	451.9541	138.4058	136.0634	492.6433	481.8874	466.9199	459.047	299.6572	293.7157	320.7438	314.449	166.7553	161.9681	167.2828	164.3253
27.03.2018	116.3085	114.4182	171.3128	168.9032	196.0477	189.038	110.4646	110.4646	459.9074	451.7827	139.4506	137.7149	489.5992	483.308	470.442	464.6064	301.4168	294.904	325.5859	318.9037	167.2872	164.2287	169.1312	165.9889
26.03.2018	116.9407	114.3073	170.8143	169.2356	197.0917	193.6614	109.4791	109.4791	456.3079	447.326	139.1304	137.361	485.2867	473.7189	470.2348	465.884	298.5946	292.4246	325.2954	320.1627	169.8138	165.0266	171.3494	166.8207
25.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
24.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
23.03.2018	117.9318	115.6309	171.8322	169.7757	196.346	187.2483	109.3383	109.3383	459.3418	453.4796	138.844	137.1587	480.6697	473.0594	468.3011	460.3591	302.6622	294.3213	322.9711	317.393	171.0106	166.2234	170.61	165.0647
22.03.2018	118.2478	116.4266	174.4287	170.9389	191.3497	186.95	110.8869	110.8869	469.6606	457.0106	140.209	137.816	491.5271	478.0315	462.9834	458.3218	311.5859	297.985	321.7122	316.3858	170.3457	167.5532	169.963	166.9131
21.03.2018	118.5505	116.1213	173.2447	170.8351	189.2617	184.4146	111.3562	111.3562	466.541	458.6904	141.3212	139.1641	490.0051	476.7123	460.4972	454.2472	309.415	301.6453	319.969	313.0932	170.7447	167.0213	168.0222	165.1571
20.03.2018	119.7928	118.1756	173.7432	171.7491	187.6212	181.3572	111.3562	111.3562	469.7635	460.7473	140.3775	136.451	481.0756	470.7255	457.0787	453.2113	310.569	305.2902	316.3858	311.931	171.6755	166.7553	169.1312	166.6359
19.03.2018	121.6494	119.3032	173.7017	171.4582	191.0515	181.9538	110.7461	110.7461	471.4947	464.4326	139.7877	136.8891	485.9462	478.5388	457.5967	453.4185	310.9232	304.7532	316.5795	313.7711	171.5426	163.5638	172.9205	166.6359
18.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
17.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16.03.2018	121.8219	120.766	173.8471	172.0607	189.7837	187.6957	109.7137	109.7137	477.374	469.0093	141.0347	138.8945	493.6073	482.9528	458.3564	454.1782	314.8537	308.4324	319.4848	313.8679	169.4149	167.5532	178.281	172.6433
15.03.2018	123.6335	121.0449	174.3872	171.6867	191.648	187.0992	110.3707	110.3707	480.0309	471.7004	141.3212	139.3327	489.7514	481.9381	460.5663	456.3191	316.0078	308.6952	321.0343	317.1606	171.0106	167.0213	182.3475	175.9704
14.03.2018	124.5196	122.6546	176.2568	173.1408	192.2446	187.8449	113.2332	113.2332	483.699	474.2029	141.3381	138.9114	496.8037	485.033	461.4641	458.4254	320.3268	314.1568	322.8743	319.8722	170.6117	167.2872	181.3309	178.5582
13.03.2018	123.3855	121.7358	174.5949	173.0162	190.8277	187.994	111.8254	111.8254	476.4655	470.6034	141.8605	138.2878	486.555	473.0594	460.8425	456.2845	317.2075	310.9232	323.068	319.0974	172.2074	166.7553	184.1035	179.2052
12.03.2018	125.8368	124.0486	176.0033	173.1699	190.6786	182.9978	111.5908	111.5908	478.6356	471.5393	143.2592	139.6697	484.0893	468.6657	458.9779	455.9047	316.394	312.0521	322.0027	318.6132	172.3404	169.9468	182.1627	178.5582
11.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
10.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
09.03.2018	127.3478	125.2592	176.7553	173.3486	189.3363	182.3266	112.4824	112.4824	477.0038	463.771	144.1692	141.9447	483.8356	472.2679	459.0055	454.703	317.1801	299.3556	323.649	317.1606	172.4734	169.5479	184.5656	179.6673
08.03.2018	129.1101	126.4559	175.0229	173.2779	187.6212	180.9843	112.2478	112.2478	475.6325	465.8279	143.6299	139.636	486.413	473.3232	459.9517	456.4986	309.9886	299.7052	320.9374	318.3227	174.3351	170.0798	185.7671	181.3309
07.03.2018	131.0155	129.8633	177.8396	173.5314	184.0418	180.7606	112.4355	112.4355	479.0675	472.3483	141.1527	137.816	495.5454	479.7159	463.6602	457.5345	311.979	304.4378	326.0701	318.7101	178.8564	169.8138	188.4473	183.8262
06.03.2018	133.6465	131.1672	178.8533	177.4408	184.1909	179.5675	113.0455	113.0455	480.6993	472.5746	145.9387	138.1867	495.8397	488.7367	462.6727	456.2845	312.5343	305.5644	327.1354	317.8772	181.516	178.1915	188.2625	183.1793
05.03.2018	132.425	130.5988	178.9988	177.1292	183.296	172.4832	112.5763	112.5763	474.9743	468.9407	143.6299	138.3384	499.7971	488.7367	458.8398	455.2141	308.5123	301.5425	321.9059	317.0637	181.383	177.6596	188.2625	183.0869
04.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
03.03.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
02.03.2018	132.4373	130.4782	179.3311	177.3369	174.4966	167.7852	114.2656	114.2656	476.1056	470.6891	138.4395	136.67	500.9132	491.5779	458.0801	450.6906	308.261	303.5763	321.3248	315.2431	183.5106	177.2606	191.6821	182.3475
01.03.2018	132.6061	131.0398	179.6427	175.8205	169.4258	163.7584	114.031	114.031	476.4313	469.1978	139.973	135.9791	507.7626	495.6875	455.4903	450.1381	315.5165	303.4049	318.0322	313.4805	182.4468	176.5957	190.573	180.9612
28.02.2018	134.1832	131.8698	178.6041	176.693	166.0701	162.4907	113.1394	113.1394	481.4535	473.7059	139.9562	137.8497	524.4546	507.5596	457.0442	454.6961	316.7619	313.1056	319.8722	316.9669	179.3883	170.6117	184.658	176.1553
27.02.2018	134.7005	132.886	179.1442	177.2331	166.443	163.6838	112.9047	112.9047	488.7899	478.2133	138.608	136.7543	524.9112	519.2288	462.0854	453.9365	320.1211	312.58	323.8427	316.6764	178.7234	170.1447	177.2795	174.7689
26.02.2018	133.7078	132.3839	179.9751	177.3162	165.5481	161.0738	113.5617	113.5617	491.2924	485.4302	139.063	136.5521	526.9406	513.7494	463.674	458.8052	320.9552	311.9287	325.1017	319.8722	180.3191	176.9947	176.2477	171.6266
25.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
24.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
23.02.2018	134.271	133.0879	182.3639	177.5654	164.355	160.0298	113.1863	113.1863	490.4697	484.9503	137.0745	133.7546	518.4678	509.6398	460.4972	458.4599	316.4991	311.9287	322.5838	320.0659	180.7181	178.4574	173.475	171.4418
22.02.2018	134.9816	133.7153	182.904	179.5804	162.267	159.657	111.2623	111.2623	491.4296	479.3966	135.4733	133.5524	520.345	509.8935	460.6354	456.8025	315.9278	305.6444	323.649	318.0322	181.117	176.4628	171.9039	169.0388
21.02.2018	136.8886	133.8611	183.4233	179.5181	162.1924	158.3893	111.45	111.45	487.8645	481.4878	135.6926	132.6761	527.0928	516.7428	461.9475	458.3909	317.8588	305.9758	325.1985	317.9353	177.6596	175.6649	171.9039	169.4085
20.02.2018	137.1694	136.3521	184.3373	181.4707	160.4027	157.7927	112.1539	112.1539	494.9949	483.2705	134.3276	129.7607	530.0863	518.7215	465.8149	459.4613	317.6874	307.3926	325.3147	319.1943	178.4574	175.9309	176.0628	170.9797
19.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
18.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
17.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16.02.2018	137.0342	135.942	183.8596	178.9572	160.8501	157.4198	112.8109	112.8109	496.469	491.601	130.1651	128.8675	535.5657	529.0715	471.1326	465.297	325.0343	315.4365	329.0722	322.7775	180.1862	175.5319	176.6174	173.8447
15.02.2018	136.6262	134.3933	182.6548	177.9601	159.8807	155.4064	116.1896	116.1896	492.698	487.7957	130.8561	128.817	531.5068	521.3597	469.5097	466.5055	329.1705	318.2016	329.7501	323.068	180.5851	176.9947	176.2477	172.0887
14.02.2018	134.8837	133.8366	181.6369	175.322	157.569	150.6339	115.5795	115.5795	490.3325	477.0312	130.4516	129.3394	526.0274	514.5611	469.0953	456.1809	322.6348	306.0672	328.9754	318.0322	179.2553	176.3298	175.2311	172.6433
13.02.2018	134.916	133.7129	178.6456	176.3191	152.9456	149.5153	115.1103	115.1103	480.5108	467.6551	130.6707	129.2046	520.345	507.7626	460.3591	457.1133	309.792	298.7089	323.8427	319.4848	180.984	176.7287	177.2643	174.6765
12.02.2018	134.4381	132.2028	178.683	175.8995	154.1536	147.9344	114.8381	114.8381	471.4913	462.3037	131.6987	129.6225	516.6109	506.9711	458.8052	455.1796	300.2742	296.0466	322.4482	314.5226	182.5532	179.4415	175.4529	169.5379
11.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
10.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
09.02.2018	133.6617	131.3421	180.3324	176.0532	153.393	150.0671	115.3918	115.3918	469.2424	461.8375	131.2201	128.9215	515.4236	505.2765	457.2514	453.4876	299.8995	291.9013	318.6326	313.3837	183.6968	179.7606	171.5527	168.4658
08.02.2018	134.7429	132.3381	180.4653	178.1803	153.4079	149.7987	115.2323	115.2323	474.5629	465.5811	131.5268	128.8001	515.0482	503.4805	457.3204	452.0718	303.8803	293.8254	318.7488	314.2359	186.2766	180.3191	173.475	168.8909
07.02.2018	134.3423	132.7808	183.0661	178.2468	154.3177	148.6503	115.4669	115.4669	489.6058	470.2434	130.0067	128.2406	532.4708	508.3206	460.9116	453.6602	312.973	300.2902	324.3657	314.3909	186.516	181.1436	171.6081	165.915
06.02.2018	134.6325	133.2492	183.1325	179.6635	153.3184	150.1119	111.7785	111.7785	490.2468	480.4765	129.4237	127.8396	537.9503	525.9767	465.8149	458.8052	313.5512	302.468	328.3943	320.3564	186.7021	182.4468	165.5268	162.1996
05.02.2018	136.3244	133.879	183.5064	181.6369	154.1387	151.7524	112.2008	112.2008	493.8293	481.8649	131.2605	128.8338	545.0533	536.7326	463.1561	459.8066	315.1965	303.4278	326.6512	320.7438	185.1064	177.3936	165.1571	162.1996
04.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
03.02.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
02.02.2018	135.8799	134.459	185.2098	182.8002	153.8404	150.261	112.4824	112.4824	491.6695	480.7336	132.8278	130.182	545.6114	533.6377	467.2997	459.3232	319.4584	300.8341	333.6239	322.0996	181.6489	177.6596	166.7283	164.5102
01.02.2018	134.8152	131.4235	185.2306	181.4915	151.5287	148.0984	112.9517	112.9517	488.4642	483.3219	134.6478	130.0303	542.6687	531.3039	466.2983	462.7762	320.144	306.4328	336.0449	330.6217	178.7234	175.9309	167.0055	163.8632
31.01.2018	132.9346	131.0942	184.9605	182.8833	150.0373	146.9053	113.7025	113.7025	490.0926	482.1392	131.7661	128.9518	535.4642	526.1289	465.6423	462.5691	310.9346	304.5361	336.2386	330.3893	182.4468	175.266	169.5933	165.4344
30.01.2018	133.5463	131.1705	185.646	181.9693	148.2476	144.8919	114.1246	114.1248	487.1443	478.4368	133.0131	129.8113	532.9782	524.5053	466.9544	461.8439	317.4017	303.4621	335.2702	330.0407	182.7128	179.2553	169.2237	166.0813
29.01.2018	134.86	133.1775	188.2634	184.275	149.2916	144.2207	116.1896	116.1896	490.4697	483.9904	135.8611	131.7155	538.3054	525.3171	468.3011	463.018	320.4867	311.5745	338.3692	330.9123	182.1809	177.6596	166.0813	163.0314
28.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
27.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
26.01.2018	133.6977	130.382	187.7233	184.4412	148.9187	145.4139	115.908	115.908	489.4926	483.459	138.153	135.3556	532.6738	524.1502	472.3757	466.0912	315.6421	309.1293	341.1776	334.9797	178.7234	175.6649	163.586	160.6285
25.01.2018	134.6993	130.438	188.1595	185.5422	148.3967	145.041	114.7818	114.7818	493.4865	487.0758	139.6023	137.7991	539.2187	526.5348	473.2239	468.8191	317.6988	307.5297	342.9208	338.0786	177.9255	174.0691	162.1996	158.78
24.01.2018	133.9142	131.0482	189.2273	183.2156	146.4579	142.431	113.2802	113.2802	491.1553	483.6373	139.4169	137.5468	538.1532	527.0928	471.8577	463.2942	311.6773	290.425	340.9839	327.5809	176.1968	173.4043	160.3512	155.5453
23.01.2018	133.6105	132.0824	186.6224	183.1325	146.9053	143.4004	113.1394	113.1394	485.9445	471.6832	141.001	138.2036	535.2613	527.3465	463.9848	461.2914	294.4813	287.0544	331.0091	324.2301	176.5957	174.2021	157.3937	155.1756
22.01.2018	132.6901	131.3606	186.8716	183.8388	147.2782	143.2513	113.7963	113.7963	487.1272	481.9849	141.4729	139.8719	532.9782	523.5413	462.8108	460.2555	293.1559	288.6997	331.1059	328.2975	179.1223	175	158.0407	156.2847
21.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
20.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
19.01.2018	132.7452	130.7627	188.4919	184.1712	147.9493	142.8784	112.2478	112.2478	489.0641	481.8306	141.1358	138.7934	533.9929	522.1208	463.6395	459.8066	290.8021	282.0041	331.7838	328.375	178.7234	173.1383	157.9482	155.915
18.01.2018	132.4482	131.332	186.1446	181.3668	149.9627	147.129	113.5148	113.5148	486.2016	481.3336	141.456	137.9508	530.5936	517.0979	464.0884	458.9434	287.3457	282.4326	332.4811	327.7164	180.5851	173.4043	157.3937	155.7301
17.01.2018	132.0354	128.5845	182.4263	180.9306	148.9933	143.5496	112.764	112.764	486.9215	480.9565	138.5575	136.4341	521.3597	513.5464	465.884	461.5331	287.3286	282.5297	335.2702	330.1375	182.7128	177.5266	156.4695	153.6044
16.01.2018	129.2658	128.0347	184.9398	180.0789	145.2647	141.7599	112.4824	112.4824	494.2407	481.5907	138.271	135.8611	523.3891	513.5464	465.1588	461.6713	293.6814	278.2564	336.7228	326.2638	188.5638	180.4521	156.2847	152.7726
15.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12.01.2018	128.2013	126.8532	185.0229	180.4944	144.9664	141.3125	113.5148	113.5148	491.0182	484.1961	142.6525	135.4061	520.0913	510.6545	464.0884	458.3218	290.9278	286.8144	334.1081	328.6074	190.0266	185.6383	161.183	154.8059
11.01.2018	127.3145	126.1129	183.1948	179.9958	146.085	142.7293	114.641	114.641	491.9026	484.8406	139.2821	133.8389	522.4962	515.6976	458.5843	455.808	295.1874	287.1892	330.5249	327.2322	194.8138	187.633	160.536	158.5028
10.01.2018	128.3708	126.3009	181.5206	178.4462	145.6376	141.6107	115.4388	115.4388	494.0487	485.7525	134.6983	132.002	523.7341	516.0223	459.5994	453.0318	300.9438	288.6037	333.4302	327.9101	197.3404	193.2181	160.8133	159.5194
09.01.2018	127.4058	125.8579	181.0677	178.2426	144.6682	141.0887	115.0634	115.0634	491.3884	484.772	132.6087	131.4965	529.2035	516.4181	456.7749	452.9075	291.4922	285.665	332.5586	328.2007	196.5426	191.7553	160.3512	157.2089
08.01.2018	128.0062	125.7185	183.6435	180.0291	142.953	139.4482	116.7058	116.7058	489.7257	486.0233	132.7772	131.3279	529.447	515.4439	457.1685	454.6892	289.1271	281.8144	334.9797	330.5249	200.5319	193.617	159.7967	157.4861
07.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
06.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
05.01.2018	130.9506	127.6054	186.747	182.4678	142.0582	139.1499	120.0375	120.0375	493.5722	486.0302	134.8332	131.1257	525.3171	515.3729	457.424	453.971	288.7797	283.638	335.5607	331.9775	202.7926	199.2021	160.4436	158.1331
04.01.2018	132.5607	130.7331	187.0794	183.4233	142.3565	136.9128	118.8644	118.8644	496.8118	488.7213	133.7883	131.547	526.3318	517.0979	456.5262	451.3467	289.8937	282.1241	335.1733	329.7501	203.9894	197.4734	161.183	159.427
03.01.2018	132.1683	131.1886	187.9726	184.7528	144.8919	140.865	118.6298	118.6298	493.408	487.9157	131.9346	130.3842	523.6936	516.692	456.7334	452.866	288.4255	281.5699	334.786	330.8154	204.3883	201.9947	161.5527	159.7043
02.01.2018	132.2997	129.8661	190.1745	187.0586	145.1902	139.0753	118.3013	118.3013	498.2859	492.698	133.6198	130.2663	521.6641	504.3633	454.7307	451.0704	292.8016	284.6892	333.7207	328.9754	203.9894	200	161.183	157.8558
01.01.2018	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
31.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
30.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
29.12.2017	130.742	129.4831	190.2991	186.9963	143.0276	139.9702	116.7527	116.7527	499.2972	491.9952	132.9794	131.8166	515.2714	504.3633	452.279	447.5829	294.7441	277.3766	332.6554	326.6512	201.8617	198.2713	158.2255	156.7468
28.12.2017	130.8719	128.7785	189.8421	185.1267	143.6987	139.1499	115.6265	115.6265	500.7713	492.8865	133.8895	132.457	518.417	508.7773	447.9627	445.6146	283.2838	272.5434	327.9101	323.9396	200.133	197.6064	158.4104	157.2089
27.12.2017	130.4835	129.0602	187.2455	180.2659	141.0142	137.2854	114.2656	114.2656	496.9837	487.8642	133.0806	130.182	515.2207	503.9574	448.3894	444.0608	276.7253	269.527	325.1017	320.6469	198.6702	194.016	158.2255	155.5453
26.12.2017	129.6829	126.5837	182.0939	180.0939	139.299	134.8248	112.9986	112.9986	487.8642	487.8642	131.6987	130.0472	504.0589	504.0589	444.8895	441.2293	276.7253	276.7253	322.0027	317.3543	196.1436	193.75	157.7634	155.5453
25.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
24.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
23.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
22.12.2017	128.4883	126.2663	182.4678	176.7761	142.2073	134.7502	112.1539	112.1539	488.3442	481.4535	131.4965	129.7944	509.1324	501.928	442.058	437.9834	278.7477	272.3492	319.2911	313.0932	196.8085	192.5532	158.5952	156.8392
21.12.2017	128.0135	126.5152	178.2302	175.2804	143.997	138.9262	113.8433	113.8433	484.9849	479.568	131.3448	127.0812	511.8721	502.5368	439.1579	437.3273	276.0283	270.6581	315.7079	312.8026	197.0745	191.8883	158.0407	156.1922
20.12.2017	129.1517	126.3098	175.9867	173.3486	144.1462	141.387	114.2656	114.2656	484.059	473.4316	127.9912	126.306	521.7656	509.6905	439.0193	436.6022	276.2797	267.1389	316.0953	312.8026	194.1489	190.5585	156.9316	153.8817
19.12.2017	130.2716	128.493	174.3457	171.4375	143.7733	141.2379	113.5617	113.5617	476.0027	469.7977	127.907	126.2723	519.6347	514.7641	437.9834	435.8771	269.9154	266.0306	314.9332	311.7374	191.8883	182.9787	156.7468	154.9908
18.12.2017	130.8217	128.9061	172.2476	170.8766	144.4444	139.9702	113.3271	113.3271	474.083	469.7977	128.8338	126.6094	520.8524	510.7052	437.5	433.5635	270.4296	262.0887	314.0616	310.8658	185.6383	181.6489	156.4695	154.6211
17.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15.12.2017	130.4112	127.4941	172.0191	168.8617	141.387	139.5227	112.9047	112.9047	473.4659	463.1128	129.3394	126.4577	514.3582	504.3125	436.6367	433.529	265.3222	254.5818	312.2216	308.3479	185.3723	181.383	155.8226	153.6044
14.12.2017	128.7308	127.1352	170.3573	166.6182	142.2819	139.8956	112.4824	112.4824	465.8553	458.4847	127.3172	124.5366	512.5317	503.2978	435.6008	432.5967	258.3638	251.9653	312.8026	307.0888	185.3723	182.4468	155.5453	153.7893
13.12.2017	129.13	127.038	167.8022	165.9327	142.0582	138.1805	111.1685	111.1685	461.9472	455.7422	124.9242	122.8682	512.5317	507.9655	433.3909	428.7638	256.2271	252.6851	310.1879	303.467	186.3032	182.9787	154.159	151.8484
12.12.2017	129.4322	126.6529	168.0764	166.4146	143.4004	138.9262	111.0277	111.0277	457.8402	453.8978	125.0253	122.6323	511.7199	505.0228	430.9047	427.5898	256.442	250.5005	306.6047	303.0215	186.7021	182.1809	154.8059	151.8484
11.12.2017	127.8846	126.6241	168.1221	166.0449	145.563	140.7159	112.2478	112.2478	456.6987	448.6424	124.4186	123.0199	506.8798	495.6164	432.8039	430.2486	256.3711	247.2303	307.9605	305.152	187.8989	184.8404	154.8983	151.8484
10.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
09.12.2017	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
08.12.2017	128.2995	127.1167	167.

13.10.2017	127.8664	126.8662	180.162	176.4229	157.7181	154.0641	117.7851	117.7851	473.9801	469.5235	116.1443	114.0377	520.1928	512.6839	450.587	446.4779	268.0302	259.4607	337.4007	333.3333	191.7553	187.367	162.939	159.1497
12.10.2017	129.5794	127.1054	178.4587	176.7138	158.091	155.1827	117.6912	117.6912	472.746	464.964	116.4644	114.0209	524.5053	515.0685	448.7914	446.1326	260.7176	254.0905	334.8828	332.0744	190.6915	185.6383	161.8299	158.4104
11.10.2017	129.8377	128.6497	179.5305	176.5393	157.7181	152.4981	118.7705	118.7705	466.9009	460.0446	117.0374	115.3691	520.2131	507.9554	446.8232	444.337	256.4168	248.3044	333.4302	330.9123	190.9574	188.0319	160.9982	158.9649
10.10.2017	129.8397	127.7438	180.0249	178.0307	153.6913	149.739	122.0554	122.0554	462.5231	456.0439	117.762	115.6218	518.6707	502.9427	447.7555	443.5773	252.0704	246.9218	334.5923	328.4912	189.7606	184.9734	162.5693	160.4436
09.10.2017	128.4684	127.3039	179.9875	177.4117	156.525	149.1424	121.9146	121.9146	457.2712	453.4659	116.397	114.6781	514.5104	503.8559	444.7169	441.1948	250.9392	240.7701	329.6533	325.7796	188.5638	184.0426	164.695	160.9982
08.10.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.10.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.10.2017	128.0981	126.9326	179.5098	176.6431	155.9284	153.6167	119.3806	119.3806	460.0549	454.5012	116.5993	114.2568	525.6012	508.2496	441.2983	436.0843	243.3592	239.2459	327.1354	316.5795	191.7553	183.9096	164.4177	162.1996
05.10.2017	125.7332	125.7332	179.4973	177.2123	156.003	153.4676	116.6588	116.6588	458.6562	444.772	117.0374	114.7792	525.9259	512.7347	442.5069	439.2956	243.4415	239.3282	324.7143	321.3248	193.484	188.2979	164.1405	161.9224
04.10.2017	127.2605	125.8085	179.1649	176.5891	156.7487	153.8404	116.7527	116.7527	446.9661	443.4008	117.8969	113.785	531.101	515.7788	443.6464	439.6409	246.7093	240.9963	327.5228	320.9374	190.6915	186.7021	166.0813	163.2163
03.10.2017	126.4859	123.8282	176.7968	173.3901	155.6301	150.783	117.6912	117.6912	447.0003	440.3154	115.0994	113.5996	526.6362	504.8199	441.0221	438.8812	245.2354	236.4374	323.2617	320.9374	191.0904	186.3032	166.5434	163.9556
02.10.2017	126.7287	124.1276	174.5742	171.9152	153.0201	147.9493	117.5974	117.5974	447.5317	441.9438	115.942	113.8355	518.2141	505.5302	442.1271	439.8135	241.0535	233.7409	324.4238	320.8406	192.1543	184.1755	165.7116	162.4769
01.10.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.09.2017	126.8667	125.4653	176.8384	173.5771	153.1693	146.7562	119.4275	119.4275	450.0171	443.1436	116.6498	115.0826	510.6545	500.9132	446.4434	443.4738	246.458	236.1746	327.4259	322.5838	188.0319	182.9787	169.5933	165.2495
28.09.2017	126.4851	125.3653	177.1915	174.9481	151.4541	147.2036	119.7091	119.7091	449.5715	437.4014	116.7678	115.032	505.0228	496.2963	445.6492	442.1616	239.6138	232.8725	327.2322	323.5522	186.0372	183.1117	170.7948	167.8373
27.09.2017	126.3648	124.3729	177.3162	175.2804	150.7084	146.9799	121.1638	121.1638	443.6064	438.2242	116.4307	114.8972	504.5155	496.3978	448.5843	443.8536	241.8647	232.4954	328.1038	324.4238	188.2979	182.4468	170.9797	165.9889
26.09.2017	125.3414	123.894	178.5625	175.4466	148.5459	146.2342	122.8062	122.8062	446.3661	437.7957	117.5093	115.4533	510.2993	499.5434	454.6961	447.7555	243.213	236.9287	334.9797	325.7796	192.4202	183.9096	170.2403	167.0055
25.09.2017	128.7107	125.3414	179.8504	176.4853	150.4101	146.3833	123.2755	123.2755	445.4748	440.3668	117.1554	115.15	510.6038	501.7757	453.5912	446.7887	242.6188	237.3629	333.0428	326.8449	196.0106	189.6277	168.1146	164.2329
24.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.09.2017	129.0305	126.9941	179.5388	174.8442	152.6473	147.2782	125.9033	125.9033	443.5379	435.6874	115.8915	114.3579	510.9082	482.5977	449.5511	446.9613	246.6979	237.3629	331.2028	328.2007	198.4043	194.2819	168.1146	165.6192
21.09.2017	128.1832	126.946	181.9069	177.0461	151.2304	147.8747	125.4341	125.4341	446.0062	439.7326	117.1217	114.8972	510.9082	490.8168	450.3108	445.8909	259.4378	242.1846	333.0428	326.8449	196.4096	193.3511	168.0222	164.695
20.09.2017	127.7795	124.1072	181.4915	175.5089	149.3661	146.5324	124.7302	124.7302	450.3771	445.132	117.5093	116.3633	500.1015	489.6499	455.663	450.4144	261.7459	253.9762	337.885	331.5902	196.5426	191.0904	167.0055	163.6784
19.09.2017	124.5142	123.555	176.6307	173.1824	148.8441	145.041	126.5603	126.5603	448.9373	445.1663	117.7283	115.9589	495.8397	481.0249	453.8329	452.0373	256.2843	247.9433	335.8512	332.3649	198.8032	190.5585	165.1571	161.0906
18.09.2017	124.7197	123.2629	174.3041	172.3515	150.783	146.085	130.7367	130.7367	450.6342	445.1491	117.88	115.9589	487.0117	477.0675	456.9751	451.7265	256.7642	252.1938	342.3397	331.5902	201.7287	195.3457	166.6359	163.4935
17.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.09.2017	123.6701	122.0015	174.4703	171.479	150.4101	145.8613	128.7658	128.7658	447.7888	441.7552	116.633	115.6555	478.2851	466.5145	462.0166	457.1133	257.0155	247.4177	346.8913	341.8555	202.1277	195.3457	166.451	162.939
14.09.2017	124.5016	121.9378	176.1944	172.2061	150.0373	143.5496	128.7189	128.7189	449.64	441.7209	117.0374	115.3185	470.1167	459.3607	460.739	455.7666	262.6143	253.3592	345.8261	342.2429	197.8723	193.883	166.5434	163.3087
13.09.2017	122.6794	120.187	177.5488	174.059	148.7696	145.4139	126.748	126.748	457.9602	446.7158	116.8015	115.1163	469.8529	459.7057	462.3619	457.4931	273.3638	258.3958	349.1187	343.405	195.9309	191.8085	166.2662	163.2163
12.09.2017	121.7658	120.1467	177.2414	174.4578	146.0104	143.1767	122.7123	122.7123	462.1598	454.0007	121.5201	116.4644	468.412	455.5251	461.2919	458.1492	273.4004	264.1227	347.5692	344.4703	195.3723	190.0798	164.0481	158.3179
11.09.2017	121.0298	119.9733	176.8592	173.037	144.8919	142.5802	121.7738	121.7738	463.4179	456.3901	127.1486	120.6437	463.5312	455.312	463.8467	460.4627	269.9223	261.0101	348.344	344.3734	193.7766	187.3404	162.6617	159.6118
10.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.09.2017	120.3921	117.5912	175.6917	172.4512	144.8919	141.3125	121.0699	121.0699	475.3994	456.2016	127.6542	124.7725	475.6976	455.4033	470.442	465.2624	281.8533	261.5151	354.2514	348.0535	191.1968	187.633	163.4011	160.9982
07.09.2017	118.4924	115.3032	175.2389	172.6631	143.7733	141.5362	119.2867	119.2867	473.963	467.6208	125.5477	123.7277	476.8645	467.3262	467.5414	461.7749	280.5416	273.5718	352.5082	346.1166	190.1596	185.7713	164.9723	161.0906
06.09.2017	116.0085	114.8595	174.8442	171.3544	145.4139	140.7905	118.9582	118.9582	473.6716	469.4309	127.4688	124.7893	477.0675	466.7174	465.366	461.4641	279.2048	271.4351	349.9903	346.6008	190.4255	184.7074	165.5268	162.5693
05.09.2017	117.0289	114.7174	176.8384	172.8292	147.8001	144.7427	119.3806	119.3806	476.637	467.518	126.1881	121.1325	485.794	468.7468	465.0207	459.8757	280.793	271.6522	350.3777	346.0198	187.8989	181.7819	165.1571	162.4769
04.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.09.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.09.2017	116.3205	115.1878	177.6485	175.5713	146.9799	143.2513	120.6007	120.6007	468.2208	463.867	121.2504	118.908	487.4683	480.6697	460.6008	456.4572	276.1654	267.9388	345.245	339.5313	191.4894	182.3138	162.6617	160.2588
31.08.2017	118.0319	114.7514	177.15	172.7877	144.5936	141.4616	119.2867	119.2867	470.1063	463.2156	119.7674	118.4193	485.0837	478.7925	457.7003	450.8633	269.3784	264.1225	341.9524	336.2386	191.8883	183.6436	161.8299	158.5028
30.08.2017	116.9219	115.2286	174.1795	172.4761	146.085	140.4922	119.099	119.099	467.7408	462.9414	119.5484	117.6946	486.6565	477.8285	455.5249	452.5898	268.8985	263.6426	339.9187	336.8197	185.7713	181.383	160.2588	157.9482
29.08.2017	119.4625	116.1573	174.3249	171.3752	149.739	145.041	120.3191	120.3191	468.4093	462.1015	118.7395	116.8857	487.0624	472.6535	459.8066	454.6271	271.0238	264.511	343.7924	338.6597	190.4255	182.5798	159.427	156.1922
28.08.2017	120.26	117.1022	171.4582	171.4582	149.2916	142.2819	121.68	121.68	456.4107	456.4107	117.88	114.8466	469.8123	469.8123	454.6271	447.8936	261.883	261.883	339.9187	331.2996	190.8245	184.0426	161.3678	157.671
27.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.08.2017	118.6587	116.9214	174.9688	171.0636	144.9664	141.3125	120.0375	120.0375	461.8444	456.085	117.9643	114.1726	480.6697	468.899	448.6188	442.4378	267.8473	259.8492	334.1081	325.4891	187.633	184.9734	161.9224	160.2588
24.08.2017	117.5522	114.5666	175.7582	172.9747	142.2819	138.4042	119.3336	119.3336	460.7473	449.4344	117.762	115.5376	486.7073	474.5307	447.5829	445.3384	268.6814	264.7966	332.7523	327.3291	186.9681	181.7819	161.4603	157.7634
23.08.2017	117.7698	115.8577	175.779	170.3365	140.6413	138.0313	120.5537	120.5537	451.6284	447.4117	117.0543	114.2737	489.8529	480.8219	447.7555	444.7514	269.6641	256.0672	332.3649	329.0722	182.9787	177.9255	160.6285	158.3179
22.08.2017	118.2631	115.5802	172.9954	170.9597	141.387	139.299	121.1168	121.1168	455.1594	448.1316	114.4928	113.4985	490.411	469.8123	447.8246	444.5097	263.6083	256.2957	332.7523	328.2975	180.1862	176.4628	162.8466	158.5028
21.08.2017	116.1859	115.1519	173.951	170.9182	142.2819	137.6585	121.8677	121.8677	453.4967	443.2122	114.2568	113.1951	485.5403	474.7844	448.6533	444.5442	259.1065	250.4228	333.2365	328.8786	181.516	178.3245	164.5102	161.0906
20.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.08.2017	116.733	114.5503	174.0964	170.565	142.8784	138.8516	122.3369	122.3369	447.5317	440.8125	113.7513	112.3694	496.9051	477.2197	451.2086	445.1657	252.2509	242.3103	337.0134	329.5565	180.1862	175.3989	164.3253	162.1996
17.08.2017	118.285	115.6361	175.0935	171.2297	139.9702	136.7636	123.1816	123.1816	450.5314	442.9551	112.9929	112.3188	514.2567	487.2653	447.4448	444.6478	247.989	242.8473	334.3018	330.2344	177.5266	171.8085	166.2662	162.1996
16.08.2017	119.9727	118.0644	174.4287	169.5264	140.5667	136.4653	125.3871	125.3871	450.2914	435.1046	113.5827	112.5042	510.1979	481.1771	445.1657	439.7445	246.9721	236.0032	332.7523	323.649	178.3245	171.8085	160.8872	164.2329
15.08.2017	119.9837	115.8627	170.4404	167.4907	143.1767	138.1805	126.7949	126.7949	440.4697	435.2588	114.5096	113.0435	483.9168	472.9579	443.7845	439.5373	239.7738	235.8889	330.9123	322.6806	179.9202	174.4681	172.4584	168.0222
14.08.2017	117.8358	115.9504	169.9211	167.7399	147.4273	142.5056	131.2999	131.2999	441.5153	436.8186	115.5039	113.8692	475.5961	470.7255	447.2721	443.4738	244.7669	236.9973	335.1733	329.4596	180.5851	174.3351	173.2902	169.4085
13.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.08.2017	118.048	116.3969	169.9003	167.4076	148.173	145.1156	131.863	131.863	440.4011	434.059	116.5319	114.1894	479.655	470.9285	448.0663	444.5097	250.7198	240.5507	334.6891	328.7817	178.0585	174.3351	174.3993	170.8872
10.08.2017	118.2453	116.1945	169.705	167.2538	150.4698	144.8471	132.0319	132.0319	443.6407	437.3329	119.9697	114.7792	484.9619	476.4384	446.7196	442.0925	250.7998	244.7441	335.2315	327.7552	182.3138	175.6649	178.9279	170.8688
09.08.2017	120.7985	117.6674	169.248	166.7138	151.0216	148.0383	133.7306	133.7306	446.0473	440.5279	119.9865	118.6552	490.1573	475.0381	442.6441	437.5	247.2281	242.5434	328.4137	319.6591	184.8404	180.8511	176.5619	173.9187
08.08.2017	121.8031	120.385	168.4711	162.904	154.3177	150.3803	134.6316	134.6316	444.4052	436.5547	119.9697	118.2845	484.6575	473.8001	438.8812	434.116	245.7564	233.9877	319.388	314.6039	187.5	182.8457	177.0425	172.0702
07.08.2017	124.6387	121.2993	163.656	157.715	152.7218	149.0977	131.6096	131.6096	441.1004	433.7984	119.5484	118.7058	483.8762	474.7438	437.0166	435.5663	237.4771	233.5923	315.6498	312.1054	189.7606	184.3085	173.5305	169.963
06.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.08.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.08.2017	125.3671	124.3818	158.7661	157.312	154.5116	147.9493	130.596	130.596	436.9729	432.3792	119.3461	118.2339	480.5175	475.1395	440.7113	435.1174	237.2486	231.9927	324.2301	313.2868	192.0213	187.367	170.61	167.7449
03.08.2017	126.0936	124.9692	159.7009	157.8729	155.3318	151.7524	130.2675	130.2675	436.253	431.3507	118.9417	117.9137	482.9021	474.277	440.5041	437.1202	238.0827	233.6266	323.068	318.129	197.0745	187.5	171.3494	167.9298
02.08.2017	125.4326	122.2856	160.0956	157.769	154.2878	149.1424	129.0005	129.0005	435.5331	431.6592	118.6384	116.6498	478.2851	469.7615	441.6436	438.2251	236.0718	231.0443	324.6175	318.9037	198.9362	194.4149	172.5508	168.6691
01.08.2017	123.7109	121.8288	158.7038	157.4159	155.8538	148.8441	127.8742	127.8742	437.4357	432.0192	116.9026	115.0826	473.1608	465.2461	442.0925	438.3633	234.8606	229.9474	326.2638	321.7122	201.5957	196.5426	176.7098	170.3327
31.07.2017	123.23	121.2298	159.3187	157.6859	155.1827	152.0507	128.6251	128.6251	440.1097	432.9791	117.3745	115.4365	475.0381	469.6601	440.8494	439.1229	236.2431	232.2441	326.748	322.8743	199.3351	191.0904	177.7264	174.5841
30.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.07.2017	123.8902	121.9585	160.7811	157.6859	154.0641	149.6644	126.6542	126.6542	434.6246	428.4196	116.7004	115.1163	471.3343	463.6225	440.7804	436.1878	234.7806	228.6106	324.2301	319.6785	193.484	188.0319	180.7763	176.7098
27.07.2017	124.6406	122.9066	162.069	159.9501	150.4847	142.5802	125.8564	125.8564	436.7158	431.4364	117.425	114.6444	472.6535	465.2461	438.8812	435.221	233.2267	227.7422	325.5859	320.4532	194.6809	189.2287	179.39	176.525
26.07.2017	124.4362	122.121	162.5883	159.8878	144.6682	141.7599	121.8677	121.8677	438.2242	426.4655	116.1105	114.2063	475.2917	466.5652	435.808	431.4572	230.0617	224.6915	320.9374	315.5142	190.4255	182.9787	177.7264	175.1386
25.07.2017	125.2362	122.7895	161.3627	158.1637	146.7562	143.1767	121.3984	121.3984	429.7223	412.5814	116.2285	115.0826	469.863	455.4541	436.4986	433.3909	228.5078	221.995	321.6153	314.449	192.4202	184.5745	182.5323	174.9538
24.07.2017	127.9228	124.5535	159.4724	158.1845	148.173	145.7122	124.2609	124.2609	412.9928	409.8046	116.1105	114.3242	458.7012	453.0188	436.8439	434.4268	223.0233	216.122	321.0343	317.7416	192.5532	188.6968	183.4566	178.7431
23.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.07.2017	128.8608	127.3275	160.2617	158.4337	147.3527	144.5936	126.5603	126.5603	414.3126	408.8961	116.6161	113.7681	456.2659	447.9452	435.6699	431.4572	221.0352	216.6933	319.388	315.3206	195.3457	190.4255	188.6322	183.9187
20.07.2017	129.6604	127.3963	159.9086	158.4545	147.129	144.1462	125.9033	125.9033	410.2503	407.0621	116.6498	114.7624	452.5622	446.1695	432.9765	428.6948	221.0466	215.7907	317.5479	312.0279	194.5479	190.5585	187.8928	183.2717
19.07.2017	129.705	126.1755	160.7187	158.683	145.4884	141.6107	125.7626	125.7626	412.1186	408.2448	115.3859	114.1894	461.035	447.4581	431.6644	428.9019	223.1147	219.6869	316.4827	312.6089	194.0166	187.367	188.0776	184.8429
18.07.2017	129.1938	126.6547	160.3448	157.4366	144.9664	140.9396	124.6832	124.6832	411.8615	408.5704	115.2848	112.5379	467.7829	458.7519	431.837	427.866	223.229	217.973	315.9016	311.0595	189.6277	184.9734	191.4048	185.9519
17.07.2017	129.746	128.5191	161.0096	157.4366	143.0276	140.6413	123.6978	123.6978	412.5129	404.868	114.7118	112.2009	472.9579	464.1299	428.971	426.6575	222.0293	217.3446	313.19	308.6384	191.0904	184.9734	189.2791	185.9519
16.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.07.2017	129.6178	128.0208	160.3448	159.14	143.3259	139.5973	123.1347	123.1347	406.3593	401.2924	112.6727	111.7122	470.4211	459.5637	427.9351	421.6506	218.4872	209.3236	311.0595	301.6657	190.2926	184.0426	192.4214	187.9852
13.07.2017	129.0541	127.4043	161.0594	156.531	140.5667	135.7942	119.756	119.756	406.0953	401.2959	113.9029	111.7627	472.1258	462.9934	424.4751	421.7265	211.6659	208.9237	309.0258	303.4089	188.4309	179.3883	197.6895	188.3549
12.07.2017	128.0842	124.4093	157.8646	155.9119	136.3162	134.3773	118.489	118.489	406.0987	402.6706	114.4928	112.8413	475.1497	466.7275	424.4751	420.3936	211.8327	208.862	309.7037	304.3773	181.7819	176.7282	204.159	197.6895
11.07.2017	125.2682	122.8785	157.9061	156.4105	137.5839	133.7062	118.1136	118.1136	403.0305	397.9568	114.24	112.4368	474.0741	465.8549	421.1464	417.9282	209.8412	204.5852	305.8299	298.7604	182.0479	175.6649	206.7468	199.9076
10.07.2017	124.0931	122.9632	160.3531	156.8425	141.8345	135.4213	119.2398	119.2398	400.5794	396.3627	115.8072	113.2963	469.863	460.2232	419.8273	416.2362	205.8432	202.1869	304.1836	293.7246	191.3564	179.6543	204.6211	199.7227
09.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.07.2017	125.0595	123.7097	161.155	159.3685	143.6987	139.2245	119.0521	119.0521	401.457	397.5146	116.1443	114.5265	466.9711	460.1725	423.9986	416.6782	207.6554	203.1993	309.4131	296.9204	190.0266	181.516	201.6636	196.0259
06.07.2017	124.9104	121.6617	161.3627	159.327	145.1902	141.2379	119.7091	119.7091	401.6798	398.9715	115.3185	113.2963	464.8909	456.6717	423.824	421.9959	209.175	206.7756	310.9626	308.1542	185.3723	179.9202	206.5619	197.7819
05.07.2017	125.6362	122.2876	160.1579	158.9115	146.0104	143.2513	119.8498	119.8498	404.4052	397.9945	114.1726	112.1503	473.4652	454.0842	424.1367	420.1657	214.0654	206.7642	313.5774	306.9921	185.7713	179.3883	212.1996	198.4288
04.07.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.07.2017	126.9073	124.7551	160.054	158.7661	148.7696	144.6682	117.9728	117.9728	408.0562	404.011	115.6218	113.2794	474.0741	463.5211	428.8329	420.8909	215.4136	212.1001	322.1964

28.04.2017	134.0735	129.8977	160.698	158.2052	140.343	134.8248	120.8822	120.8822	393.8978	389.9212	133.0806	130.8561	458.6504	447.3871	438.4669	436.6367	218.75	212.58	337.885	332.946	215.9574	204.9202	160.536	158.8725
27.04.2017	130.9938	127.382	163.5854	159.3062	140.4922	137.5093	120.7414	120.7414	392.2866	387.4529	133.7883	131.1931	449.8224	442.8209	438.5014	435.9461	213.5969	209.4835	339.3376	334.8828	210.9043	204.1223	160.0739	157.1165
26.04.2017	127.8766	124.5022	163.2946	162.0066	141.5362	137.0619	122.1492	122.1492	392.6637	389.8183	134.3782	132.6761	446.068	437.4429	438.3978	435.6354	213.1513	210.1805	342.4366	336.2386	217.9521	206.383	159.8891	156.9316
25.04.2017	124.7824	123.3657	163.0037	161.0926	138.6279	134.5265	122.4777	122.4777	391.7209	385.7559	133.8052	131.3953	443.6327	435.1091	441.8508	436.1188	213.037	210.409	349.5061	340.8871	219.1489	215.8245	158.6876	153.7893
24.04.2017	125.4129	123.0604	161.7366	160.3241	139.9702	134.5265	123.557	123.557	389.2698	384.4361	134.1928	131.092	439.8782	432.9782	441.5746	437.8453	215.2651	210.809	348.0535	344.2766	221.5426	215.1596	157.024	154.5287
23.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.04.2017	126.4127	124.9772	162.8583	160.3656	138.255	133.3333	123.4632	123.4632	389.4241	383.4933	133.7378	132.6087	442.6687	428.8686	445.4765	442.0235	218.0416	213.0142	350.3777	346.0198	222.0745	217.4202	156.7468	153.8817
20.04.2017	126.6132	124.6726	161.7574	158.2676	139.6719	130.9471	125.6687	125.6687	387.4529	380.4251	133.7209	131.9852	442.9731	431.3039	443.7155	441.4019	217.9959	212.7386	354.3482	347.2787	222.8723	218.0851	161.5527	155.6377
19.04.2017	125.4368	123.6076	158.7869	157.2081	143.6242	137.1365	131.4876	131.4876	388.6527	378.6767	133.0806	130.8729	437.8488	425.6722	445.8564	440.5041	217.4132	212.2715	355.8009	351.8303	225.7979	219.2819	162.8466	159.9815
18.04.2017	125.8438	124.1218	162.526	156.8758	145.6376	141.6853	133.4585	133.4585	393.0922	381.505	132.3728	130.5527	456.2151	425.5708	446.9268	442.4033	221.8693	212.2715	358.5125	351.5398	226.1968	216.8883	161.8299	160.0739
17.04.2017	124.7672	123.3461	158.4545	158.4545	143.9224	141.0887	132.2384	132.2384	389.9383	389.9383	131.9852	128.9855	454.1857	454.1857	447.8591	444.6133	222.4406	222.4406	362.4831	359.1904	224.6011	218.75	164.4177	160.4436
16.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.04.2017	124.2415	122.4168	159.8047	157.5613	146.9053	142.5802	131.9568	131.9568	392.7323	385.3617	129.3394	128.244	460.5277	453.4247	445.6492	443.3011	224.6458	220.3039	361.7083	358.1251	227.7926	220.0798	165.8965	163.4935
12.04.2017	123.8205	122.1852	160.0332	157.2912	148.0089	144.8919	130.9151	130.9151	395.012	384.5903	128.844	127.6812	457.9706	451.9838	442.576	439.9862	225.8021	221.5745	357.8927	354.6194	225.2128	221.0106	165.2126	163.5675
11.04.2017	122.4462	120.3016	160.0623	158.442	148.3221	144.7129	132.0413	132.0413	396.4073	390.8193	129.1439	127.1857	461.4713	449.4977	441.0566	432.9765	232.356	222.644	355.6653	347.7048	224.2287	216.0904	163.6784	159.5933
10.04.2017	121.8935	119.8422	162.6506	159.2023	149.6197	145.5034	131.4125	131.4125	399.2732	392.9654	127.9744	125.0556	460.4665	452.8361	434.5994	431.1809	232.7742	229.4607	349.1768	344.0829	224.867	220.3457	160.4806	158.0037
09.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.04.2017	120.6543	117.9507	163.0744	160.2077	155.6749	148.3967	128.6438	128.6438	403.5105	393.8087	126.3364	124.3512	470.0355	450.0457	439.3992	432.4586	233.4895	226.4054	358.2801	346.8913	223.9632	218.8564	158.0961	156.0074
06.04.2017	118.0844	116.798	163.5854	161.6327	157.7181	154.5116	128.672	128.672	406.085	400.3257	126.4914	125.5308	474.6525	463.1152	435.3246	432.2169	236.3517	229.0391	355.5104	351.9272	219.9468	213.8298	159.2421	155.915
05.04.2017	117.3835	116.2266	164.1047	160.6564	158.5384	156.003	128.5781	128.5781	406.9763	395.6291	126.7105	125.9016	474.3785	466.2608	434.8412	430.145	234.9691	227.1995	354.9293	351.6366	225.3989	213.4309	159.1497	157.1165
04.04.2017	118.3886	116.7932	161.9859	160.5318	158.2401	155.1827	127.8742	127.8742	396.0747	392.4751	127.5868	125.6488	469.3049	460.7813	436.2914	433.7017	227.6965	222.2121	356.963	353.0893	220.2128	214.4947	159.7043	157.3937
03.04.2017	119.3602	117.903	163.5854	161.425	157.4198	153.6913	129.0943	129.0943	402.2969	393.8636	131.5639	127.1318	474.3785	460.1725	433.6326	430.3867	229.7075	223.4232	354.0577	350.4745	228.4574	219.1489	160.3512	157.8558
02.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.04.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.03.2017	118.8777	117.5445	163.8762	161.8405	156.9724	154.959	129.4228	129.4228	405.3137	398.2516	130.4348	127.7385	476.8138	466.7681	432.5622	428.7638	230.6216	225.3656	354.0577	349.7966	225.7979	221.9415	159.7043	154.2514
30.03.2017	119.6293	117.8755	164.3747	161.9236	157.9418	153.3184	130.0798	130.0798	410.1131	400.9256	128.9855	128.244	478.0315	470.1167	433.9779	430.4903	231.1814	226.4968	354.7356	349.9903	227.6596	220.4787	157.5786	155.0832
29.03.2017	120.3939	119.0832	162.6921	160.5733	158.7621	155.2573	129.0943	129.0943	406.1022	401.3713	129.8955	128.244	476.7123	467.5799	434.6685	431.6644	230.0731	226.3026	353.6703	349.6998	233.7766	226.3298	158.0407	156.2847
28.03.2017	119.6961	118.704	161.6327	159.0985	161.3721	158.3893	129.329	129.329	404.3881	395.2005	130.5359	129.2551	474.4292	461.4409	435.5318	431.9751	228.3821	222.3263	353.6703	349.1187	240.9574	232.4468	157.3937	155.0832
27.03.2017	120.5792	118.7942	160.9472	158.9531	162.5652	158.6875	127.8273	127.8273	397.9431	388.6184	130.9909	129.5922	477.1689	462.3541	436.4986	433.529	225.9369	220.1097	351.5398	345.6324	237.8989	232.0479	157.3013	154.6211
26.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.03.2017	121.7793	120.0484	161.0096	159.2646	162.267	158.613	128.672	128.672	400	395.6805	131.6987	130.0809	481.6337	474.0233	432.6312	429.4544	228.7991	224.0002	344.4703	339.8218	238.9628	233.2447	157.5786	155.5453
23.03.2017	121.9512	120.273	160.5442	159.0777	162.789	159.7315	130.9714	130.9714	400.7199	395.2005	131.3953	130.1483	485.5913	474.3278	433.8052	430.1796	230.633	227.0912	342.8239	339.4344	234.7074	228.0585	156.9316	155.268
22.03.2017	122.0075	118.6237	160.5318	158.1637	161.6704	158.2401	132.5199	132.5199	398.9715	391.361	131.6987	129.2046	481.2278	456.6717	433.2182	430.5594	231.6728	226.074	340.9839	338.2723	231.6489	226.4628	157.7634	155.8226
21.03.2017	118.7076	117.108	161.0096	158.3506	163.0872	157.7927	135.3355	135.3355	402.7425	394.5835	130.5696	129.2214	466.2608	456.9254	431.9406	424.6892	233.5066	230.6501	341.2745	335.8512	235.3723	226.7287	159.1497	156.3771
20.03.2017	117.9761	116.7058	160.1371	157.6236	158.3147	150.1119	133.13	133.13	407.5591	401.0456	132.6424	130.2663	468.899	458.549	427.5898	425.6906	235.0206	230.2217	338.466	336.3355	244.016	234.7074	163.586	158.5952
19.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.03.2017	117.5251	116.4957	159.2023	156.585	152.5727	149.5899	131.7691	131.7691	407.4049	401.7827	132.457	131.2774	465.0431	454.5916	426.2431	423.7914	234.792	231.1357	337.4976	333.8175	244.4149	232.7128	161.7375	160.0739
16.03.2017	117.2231	115.5436	158.5791	156.4396	154.2878	150.8576	132.2384	132.2384	407.5934	401.8341	132.9457	131.4965	463.3181	453.2725	427.1064	422.5138	235.9461	231.947	340.4997	334.2049	246.4096	241.7553	162.939	160.6285
15.03.2017	115.6662	114.0498	156.5226	154.1961	154.959	151.9016	131.816	131.816	404.131	398.4402	131.8504	130.0135	458.2445	449.4165	420.5456	414.4682	235.8547	232.4269	332.4617	326.167	243.2181	241.0904	161.5527	159.1497
14.03.2017	115.5449	113.8332	156.1695	153.843	153.915	149.5899	132.2384	132.2384	400.3771	393.0408	130.2831	129.4237	463.4703	444.1908	418.0594	415.5387	234.8606	229.3761	330.5249	327.5228	243.75	240.6915	160.536	158.4104
13.03.2017	115.8142	114.5362	157.3743	155.671	150.7084	144.1462	130.0798	130.0798	399.023	392.818	130.7381	129.4742	466.1593	459.0563	419.2334	416.2638	234.5864	225.7884	332.3649	328.588	244.5479	240.0266	163.3087	158.9649
12.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.03.2017	116.7101	114.9675	158.0017	154.9273	145.6376	140.865	131.5345	131.5345	395.7491	389.6812	131.2774	130.0135	463.5109	452.552	417.4102	413.4392	233.0187	225.0206	331.2028	326.5543	243.883	238.8298	164.9723	162.4769
09.03.2017	117.3226	116.1114	155.7125	153.3444	143.1767	140.0447	131.5345	131.5345	394.9434	387.1957	132.3728	129.9292	457.8792	447.1233	418.1906	415.5041	233.3524	228.325	335.2702	328.8786	249.0691	239.0957	166.6359	163.4935
08.03.2017	118.7699	117.0062	156.8342	155.1724	143.2513	141.4616	131.0652	131.0652	398.2585	392.5334	131.9178	130.8055	456.8848	450.3907	421.2086	417.0787	244.8343	230.4376	340.306	334.0112	246.8085	241.2234	169.0388	164.6026
07.03.2017	119.4693	118.4345	156.1695	154.5492	144.8173	142.1327	131.4406	131.4406	402.4923	394.4703	133.7209	130.8898	456.3369	448.1177	423.9779	419.7169	252.9845	242.2441	344.9545	338.8534	254.6543	244.1489	170.2403	166.6359
06.03.2017	121.7648	120.4293	157.1666	154.383	146.9053	144.1462	132.7076	132.7076	407.6106	399.8629	133.8895	131.4291	456.8747	446.1187	427.1754	422.9972	252.9479	249.4059	348.1503	343.5018	263.6968	254.3883	170.9797	167.6525
05.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.03.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.03.2017	121.459	120.3233	159.3477	155.9826	146.2342	142.5056	133.8808	133.8808	407.9705	404.2681	131.6313	129.1877	460.0203	453.8305	426.8992	422.4102	251.2397	245.7553	347.8598	342.0492	262.766	258.2447	168.3919	165.6192
02.03.2017	122.5885	120.9202	161.9028	158.1637	144.5936	139.3736	133.6931	133.6931	413.507	404.7995	133.4007	128.7159	468.899	453.3739	431.1119	425.1727	252.4223	245.4525	358.1058	342.9208	261.5691	257.3138	169.8706	166.3586
01.03.2017	124.0324	122.0932	162.5052	159.0569	143.3259	140.7905	131.0652	131.0652	417.3123	408.1248	131.3953	128.362	468.0365	455.7585	432.9765	427.279	253.3821	248.8117	358.5125	353.9609	259.7074	253.9894	169.2237	163.4935
28.02.2017	123.36	120.5455	159.8255	157.1666	147.8001	142.0582	131.7691	131.7691	410.7302	404.1824	129.5753	128.2609	462.76	454.8453	432.7721	431.0773	251.9081	245.6239	358.4156	354.0577	259.7074	253.9894	167.9298	162.1996
27.02.2017	121.281	119.9609	158.4337	155.8579	149.739	146.6816	131.9568	131.9568	407.9705	402.794	129.9966	128.1261	461.4916	453.4754	436.7058	433.0456	252.708	247.2235	358.9967	355.6072	263.8298	253.9894	165.6192	161.9224
26.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.02.2017	122.156	119.8673	156.7719	154.3623	151.3796	148.2476	136.5556	136.5556	408.0734	400.5999	129.9798	128.244	459.4115	452.9173	435.4972	431.25	248.9374	240.1394	357.4472	352.2177	268.75	262.633	167.8373	164.7874
23.02.2017	122.8271	121.6758	156.9381	154.1961	151.6779	148.7696	140.6382	140.6382	414.0384	400.0857	129.1372	127.1823	463.0644	450.8879	432.3204	425.8633	246.5494	240.1508	354.0577	348.6345	275.266	267.1543	169.6858	167.098
22.02.2017	122.6643	120.6224	156.9583	154.8816	149.8136	148.2476	141.1544	141.1544	415.7696	410.2845	128.3957	127.1318	465.8549	455.9107	428.6272	425.518	248.6289	244.5155	350.7651	348.2471	278.4574	274.2021	169.2237	166.2662
21.02.2017	121.895	120.4545	158.0391	155.8787	150.0373	146.4579	140.3566	140.3566	417.758	408.4333	127.9407	127.0812	470.7763	456.4688	428.1423	423.6533	254.6104	246.3837	351.443	346.504	276.9947	269.4149	168.3919	166.0813
20.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.02.2017	120.6206	118.837	157.7482	154.84	153.6167	148.3967	138.1511	138.1511	413.507	405.5537	129.6427	126.4746	465.0939	455.86	429.8698	427.3481	252.5708	247.6577	351.6366	349.5061	270.8777	267.8191	170.5176	168.207
16.02.2017	119.6487	118.3063	158.7453	156.4188	153.2438	148.173	137.9165	137.9165	417.7923	408.3305	130.4516	129.3563	475.7484	460.1218	429.4199	425.9323	252.5708	247.6463	352.6051	348.7314	272.6064	266.6223	176.3401	169.5933
15.02.2017	120.3566	118.7486	158.8284	155.8787	148.3967	141.3125	135.5702	135.5702	416.1639	410.7131	131.8672	130.0472	482.3947	470.4211	426.174	420.442	249.3601	243.8757	349.6029	345.245	275.133	270.2128	173.2902	170.0555
14.02.2017	119.6822	117.7203	158.1637	155.1724	144.8919	141.2379	135.8986	135.8986	424.1687	410.0103	132.0694	130.6539	495.8904	476.9153	426.761	422.2721	248.6232	243.0245	351.443	345.1482	271.6755	265.8245	172.6433	170.0555
13.02.2017	118.848	117.8299	156.7096	154.84	146.3087	143.4004	136.8841	136.8841	425.06	417.278	132.2042	129.9124	499.1375	487.2653	425.9323	421.3743	246.1837	242.7559	349.9903	345.1482	273.9362	264.4947	173.7523	169.5009
12.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.02.2017	121.2358	118.2027	155.7582	152.2268	148.6353	145.1454	137.7569	137.7569	417.47	398.2173	130.0539	128.8102	487.8743	473.7697	427.6588	422.203	243.341	234.0859	349.7579	341.0227	275.4787	270.0798	170.4806	166.5804
09.02.2017	120.5262	119.4081	153.9759	152.6049	151.3796	147.7107	135.42	135.42	403.915	398.4642	129.4776	127.9879	487.2755	471.6489	430.2831	425.3453	239.3739	234.2322	346.2328	342.0298	279.0691	274.2021	166.6359	161.2754
08.02.2017	121.8107	119.7312	153.6145	151.371	150.6637	148.3967	133.9277	133.9277	405.8142	396.9009	128.3182	127.2127	487.3364	474.1451	430.4213	425.3108	240.1965	235.5119	346.6589	342.0105	277.8723	273.9362	161.756	159.7412
07.02.2017	121.9112	120.8087	151.9693	150.7644	152.7815	149.3661	134.2468	134.2468	400.9873	396.085	128.4698	126.8284	477.9503	469.6296	427.279	424.482	238.2267	234.5704	344.9157	340.5578	282.7926	274.6809	160.2033	156.1368
06.02.2017	121.7959	120.4149	152.4512	150.5401	155.9284	152.1999	135.1009	135.1009	400.9427	394.8063	128.9181	127.3509	477.8792	466.1086	426.3467	421.8577	238.7454	233.0324	343.3082	338.1755	285.7713	279.9202	159.7967	156.0998
05.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.02.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.02.2017	121.6285	120.4522	152.3473	150.187	155.5556	153.0947	135.8048	135.8048	404.9023	394.1035	130.0135	128.4294	474.4292	461.8468	422.3757	417.4724	236.8944	228.4392	339.725	334.3986	283.7766	271.1436	160.9982	158.6876
02.02.2017	121.1231	119.015	151.7657	150.3947	157.2707	154.8844	136.7433	136.7433	409.4275	401.0285	130.4348	127.6542	476.9153	469.5079	423.826	417.2307	239.2767	232.3069	343.5987	337.3039	281.9149	270.7447	161.8299	158.8725
01.02.2017	120.259	118.0712	151.6826	149.5638	160.3281	156.2267	138.4796	138.4796	411.673	406.5307	128.9687	126.2386	482.8006	471.7402	419.2334	414.2956	234.0722	226.8739	341.2745	336.4323	277.6596	271.9415	160.6285	154.159
31.01.2017	120.64	119.315	151.1633	149.2937	160.179	154.5861	137.6349	137.6349	410.833	398.8001	126.6094	124.941	483.1558	473.6175	420.3729	413.674	229.2505	220.5667	341.4681	331.7838	272.8723	269.2819	155.7301	152.7726
30.01.2017	123.0974	119.8575	151.4333	149.273	157.2707	154.7353	140.5443	140.5443	405.0051	396.2976	126.9296	124.8231	479.5028	461.8468	414.8135	410.9116	222.075	215.9049	334.8828	330.8154	272.2074	267.6862	155.4529	152.6802
29.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.01.2017	123.3811	122.3581	151.7034	150.0415	158.9858	154.8098	141.1075	141.1075	404.3195	399.0058	126.306	125.0253	472.552	459.4622	411.8094	408.3564	217.1846	213.2998	334.3018	322.1964	273.0053	269.9468	158.0407	155.0832
26.01.2017	124.6951	122.6356	154.0715	150.4985	163.4601	158.3893	141.1544	141.1544	409.7189	398.5773	126.2555	124.1658	486.7073	466.7174	416.0912	409.7376	224.9657	213.0827	330.1375	323.1648	274.6011	269.4149	159.1497	156.0074
25.01.2017	125.3825	123.7904	155.5879	151.3502	165.2498	161.5958	141.9991	141.9991	409.2389	403.3082	124.9916	123.2558	487.4176	476.8645	419.0608	412.8108	224.2916	217.8931	331.3965	325.0048	275.7979	269.4149	158.5028	156.3771
24.01.2017	125.889	123.9967	156.2526	152.2227	164.5787	160.1044	142.6091	142.6091	407.5763	396.9489	126.3903	122.2278	485.794	471.7402	421.7196	417.8177	225.4685	221.3551	335.1733	331.0091	278.9894	273.1383	160.7209	157.4861
23.01.2017	125.5121	124.4006	155.6294	152.9705	162.7144	159.5824	143.5476	143.5476	401.4741	393.795	126.2892	123.0873	478.5388	467.5799	421.9959	417.0235	226.7025	221.218	334.5923	330.7186	275.3989	268.3511	160.2588	158.0407
22.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.01.2017	125.7787	123.8318	154.2792	150.3739	161.5213	158.3893	141.3421	141.3421	398.0459	390.0583	123.7108	122.4975	469.3049	454.9975	419.0953	414.7445	228.0736	219.8469	332.2681	326.167	273.1383	266.6223	158.5028	155.8226
19.01.2017	126.2239	124.9042	152.3265	150.3739	167.7107	159.8807	139.4181	139.4181	396.7433	389.734	123.5086	121.7728	469.5079	460.3754	419.5442	413.7086	233.3524	225.0114	331.687	324.4238	284.1755	266.7553	159.3346	156.3771
18.01.2017	125.5579	124.3542	152.3265	148.6498	168.3818	164.9515	138.0103	138.0103	396.4347	392.8351	122.2615	121.3684	469.0512	459.4115	421.2707	418.0939	234.0379	231.2957	336.2386	331.1059	279.2553	273.2713	160.536	158.4104
17.01.2017	125.095	123.9596	150.1454	146.0532	167.7107	161.4467	138.9958	138.9958	404.7309	392.2866	122.8008	121.065	467.6814	451.243	421.8923	414.0539	238.4484	230.1645	333.9144	325.7796	276.9947	272.8723	161.7375	156.6543
16.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.01.2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.01.2017	124.0322	121.7089	150.4778	147.7358	166.2938	163.311	138.2919	138.2919	405.0393	397.806	122.5986	121.4526	467.6814	444.343	415.6423	411.1533	238.6997	229.4447	326.3606	321.809	278.0585	272.3404	157.671	154.9908
12.01.2017	124.2005	121.1079	148.9655	145.6834	166.5175	158.613	139.465	139.465	403.0099	391.3541	124.368	121.7728	449.1832	432.2374	417.6105	412.7693	236.1152	230.3473	329.6533	324.5206	277.5266	273.4043	158.8725	153.2348
11.01.2017	125.1494	123.6267	146.0823	144.5035	164.6587	157.1961	138.4796	138.4796	396.4107	391.1656	124.3849

11.11.2016	112.5717	111.1731	148.9821	144.2044	185.4586	182.0283	151.8067	151.8067	413.0614	377.7168	121.4189	116.0768	451.3952	427.8539	438.4323	421.7541	277.1309	252.1081	367.0347	334.3986	289.8936	285.9043	157.3013	154.9908
10.11.2016	112.1093	110.5934	147.9435	144.9938	183.8926	180.8799	154.4439	154.4439	391.6832	370.8399	118.4159	115.632	443.5718	432.8158	447.203	435.7597	271.3848	260.6444	369.4945	358.0903	299.2021	286.8351	158.4658	153.8078
09.11.2016	110.5838	108.9629	146.103	141.4915	185.6525	183.0723	155.3074	155.3074	372.842	350.5245	117.152	114.9781	438.0923	420.7407	462.6174	439.4406	266.1129	247.2601	369.3395	356.4788	295.2128	284.4415	157.7634	153.1423
08.11.2016	110.0043	107.7229	143.951	141.7906	187.5168	184.1611	158.3576	158.3576	359.7017	346.0233	118.4968	115.3455	433.2623	420.3754	446.3605	440.2348	259.4241	251.7687	363.4515	352.9305	296.8085	291.4894	157.5231	153.512
07.11.2016	109.195	106.421	143.4649	141.9693	191.7375	184.1163	160.3754	160.3754	349.3726	340.9736	117.2295	114.877	430.1979	420.1522	447.942	441.7818	256.0718	238.133	354.9835	349.2737	300.266	288.9628	154.9908	151.5712
06.11.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.11.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.11.2016	110.1186	107.6406	143.7682	142.4387	202.6846	192.3192	154.9507	154.9507	342.818	337.71	116.3465	114.1389	426.0781	420.1928	451.5193	447.4102	239.888	237.3743	357.8346	352.2177	289.8936	283.2447	153.512	151.6636
03.11.2016	111.6091	109.4323	144.2044	142.1271	206.4877	200.2237	152.886	152.886	340.2297	335.396	116.5993	114.2905	424.2516	415.6266	451.4848	444.1644	240.3108	235.2834	361.1273	348.5377	290.5585	284.0426	155.268	151.2939
02.11.2016	112.1634	111.1098	144.059	140.8184	202.61	198.8814	150.4927	150.4927	337.2815	333.3733	115.8915	114.7118	420.9031	413.6986	452.0373	444.7514	238.894	234.6664	363.0641	355.6072	289.3617	280.3191	155.3604	152.3105
01.11.2016	111.865	109.0101	144.5575	142.7088	203.9523	200	151.2435	151.2435	337.1957	332.3963	116.1443	114.7624	421.9178	415.4236	446.3052	440.7459	240.7564	236.8716	358.4156	345.7292	286.8351	280.7181	154.6211	151.9409
31.10.2016	110.1569	108.9274	144.3498	141.9402	206.3386	200.7457	152.9798	152.9798	334.2132	330.2365	119.3967	115.8915	428.8179	412.0751	442.1271	439.2265	241.5162	236.0089	346.9882	343.9861	295.0798	286.5691	154.0665	151.2939
30.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.10.2016	111.8756	109.835	142.7711	140.6315	206.264	199.7763	153.4491	153.4491	332.3106	327.2712	119.8011	116.7846	419.1781	414.3075	443.8191	436.1533	238.3112	235.2262	346.9882	340.0155	301.0638	294.2819	154.3438	150.647
27.10.2016	111.81	110.2332	141.1716	138.6373	206.786	202.61	152.2759	152.2759	328.6596	323.483	117.9643	115.9589	421.4612	413.5464	439.779	437.0511	237.0544	230.4273	343.3082	339.9187	301.8617	298.4043	154.8059	152.1257
26.10.2016	110.8174	109.4549	139.759	138.1678	206.5623	203.654	153.1675	153.1675	325.8485	322.866	117.762	114.9646	419.584	413.8001	440.9876	436.8785	234.7578	231.2157	346.0198	340.4029	305.0532	300.9309	153.0499	148.8909
25.10.2016	110.9662	109.6124	139.8006	135.2306	205.2946	200.7457	148.1933	148.1933	325.6428	318.2379	116.515	114.7455	421.1872	409.5383	441.0912	435.9807	236.1175	230.5187	345.1482	339.1439	308.5106	302.7926	150.2773	147.4122
24.10.2016	110.659	107.6678	135.8953	134.8151	203.2066	199.7763	146.0817	146.0817	319.8663	317.398	116.5993	115.487	411.9229	404.414	439.3992	435.4282	231.787	227.2166	346.504	338.2723	310.1064	301.9947	154.0665	148.1516
23.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.10.2016	108.7916	105.9404	135.1475	133.7349	203.654	199.7763	145.5655	145.5655	319.4892	317.398	117.8126	115.6387	411.4155	404.3125	438.0525	435.6699	232.0041	227.2052	340.0155	336.9165	302.5266	298.4043	154.6211	152.7726
20.10.2016	105.9986	102.77	135.7291	133.4026	204.9217	199.478	145.9409	145.9409	321.3404	317.4323	120.9134	116.2791	409.0309	404.2618	440.2279	437.0166	236.0146	230.7587	343.6955	337.9818	305.4521	297.2074	156.2847	153.512
19.10.2016	105.2721	102.71	137.1624	134.2958	203.3559	200.522	146.8325	146.8325	320.929	317.8094	120.1045	118.3519	406.7986	398.3765	440.0552	435.4627	238.654	232.2555	344.4703	340.4029	307.1809	303.5904	156.0998	152.6802
18.10.2016	105.8046	104.1658	139.3851	135.8122	203.5794	199.7763	147.4425	147.4425	322.8317	320.0891	120.8291	119.1271	408.4729	399.6449	437.0166	433.8398	238.9054	234.792	343.405	338.6597	308.1117	303.5904	157.3013	154.6211
17.10.2016	105.5681	102.994	138.9281	136.6016	202.6846	197.7629	145.1431	145.1431	322.3174	320.1577	120.0876	117.7115	407.6104	400.5074	434.4268	432.0787	239.6595	234.7463	339.2408	336.2386	309.4415	301.9947	157.3013	153.8817
16.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.10.2016	104.1608	102.0615	140.6107	138.4919	204.176	200.8203	143.313	143.313	324.0487	316.7638	119.2113	116.8015	408.9802	403.2978	435.1865	430.8011	239.8823	236.683	340.8871	335.8512	309.9734	302.2606	158.2255	153.3272
13.10.2016	104.4268	101.9724	140.5899	139.0528	201.7897	196.6443	142.3275	142.3275	330.1166	321.3404	118.0485	115.2679	411.6185	403.5008	436.3605	433.2528	241.8304	236.4602	342.9208	337.6913	309.4415	304.2553	154.159	146.6728
12.10.2016	106.1248	103.5762	140.2077	138.629	200.4474	195.824	141.2013	141.2013	331.6935	329.2595	117.4924	112.5042	418.7113	409.5687	435.1519	432.1823	242.3103	237.8542	341.565	336.7228	313.2979	304.2553	152.9575	146.3956
11.10.2016	107.6589	104.7917	140.3983	138.1138	199.5526	195.7494	141.2482	141.2482	332.5506	328.5396	114.6613	112.9424	426.5348	414.3379	436.4299	433.1492	240.8547	236.3985	345.7292	338.2723	313.0372	301.3298	151.1091	148.3364
10.10.2016	110.389	106.3098	140.2991	138.6373	208.6503	196.1969	138.9019	138.9019	332.7734	327.1512	115.4196	112.875	428.7976	419.7666	437.4309	434.5649	240.5633	232.5651	345.4387	336.626	311.4362	303.4574	149.8152	146.3956
09.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.10.2016	110.3508	108.8008	139.5098	138.6789	209.0977	205.5183	136.321	136.321	329.7497	325.2245	114.5602	112.7907	426.3318	415.8803	437.6036	429.3508	236.5768	231.8921	342.4366	331.7838	315.0266	304.7872	148.244	145.7486
06.10.2016	110.6189	108.5842	139.1151	137.9518	211.484	206.0403	137.1187	137.1187	328.5053	325.1114	114.5939	112.6559	420.7002	411.9736	439.0539	432.2859	233.8723	228.9591	346.2134	331.9775	316.7553	303.8564	151.3863	145.4713
05.10.2016	110.2314	108.581	139.032	137.661	212.3788	208.0537	138.3857	138.3857	329.4309	326.6884	117.9643	113.8187	422.3237	413.8001	441.6436	436.5677	231.2614	226.5768	349.4093	340.5966	317.2872	309.1755	151.0166	144.9168
04.10.2016	109.7337	106.6435	139.0735	137.9518	210.5145	206.264	137.7757	137.7757	331.3336	327.254	117.543	115.4028	425.6215	405.1547	453.9019	438.2251	236.4602	228.2335	366.7441	343.7924	311.3032	300	147.2274	145.2865
03.10.2016	107.7163	105.5332	139.1566	137.3702	208.7248	204.176	138.1042	138.1042	334.6932	327.6311	115.7061	113.2457	434.2973	417.5545	456.6989	453.0041	242.5046	232.2212	375.3632	363.161	307.4468	299.4681	148.4288	144.732
02.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.10.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.09.2016	110.143	106.799	138.8243	137.3286	207.308	201.9389	139.6997	139.6997	334.916	329.9451	115.1837	113.1109	437.3921	416.895	459.7721	454.4199	243.91	236.0261	382.9169	370.4242	313.1649	303.1915	149.2606	144.1774
29.09.2016	111.6421	109.7671	138.7412	137.3079	210.6637	202.1626	140.6851	140.6851	332.9791	329.688	116.3465	113.3805	419.9899	405.0736	459.0124	455.5594	246.9036	236.963	376.719	369.0684	320.3457	309.0426	150.3697	147.1349
28.09.2016	111.612	108.4792	138.0972	136.1861	213.8702	208.7994	141.7175	141.7175	331.0079	327.9568	117.8126	115.0657	407.0015	395.5353	459.4613	456.2155	244.7212	241.0649	373.2326	367.6157	317.1543	310.7713	150.4621	148.6137
27.09.2016	113.4011	110.0571	138.5958	135.9784	214.4668	211.1857	142.2337	142.2337	331.8478	326.7741	119.2619	116.8857	400.1015	390.8676	463.9157	458.7017	248.606	233.7523	379.8179	368.9715	313.1649	303.8564	149.7227	145.6562
26.09.2016	114.3283	112.2105	138.1595	134.1712	212.6771	209.5451	139.8874	139.8874	333.1848	329.7223	119.6495	117.4756	394.7235	385.8955	464.8135	461.5331	243.2016	237.7171	383.9822	377.2032	308.1117	299.3351	150.4621	146.1183
25.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.09.2016	114.651	111.2953	137.1209	134.9605	218.0462	209.6197	141.9991	141.9991	333.5447	330.6308	121.0482	117.3913	395.1294	387.722	464.261	461.8439	244.4698	240.0137	387.7591	380.8832	303.7234	295.4787	151.3863	148.3364
22.09.2016	116.3907	114.06	135.5422	131.2214	218.7919	214.5414	145.237	145.237	332.6877	327.2369	121.8908	119.9865	398.1228	393.5566	465.3315	461.0843	243.213	236.0946	390.1801	383.2074	317.4202	299.734	152.2181	149.4455
21.09.2016	116.3233	114.3677	131.4084	130.1205	215.3617	212.6771	146.4101	146.4101	327.9397	325.5742	121.3852	118.4361	401.3699	391.8316	462.3964	452.866	236.9173	232.2326	385.6285	370.0368	303.9894	299.0691	151.2015	148.7061
20.09.2016	115.1572	113.9609	131.4707	130.349	214.9142	211.5585	143.4069	143.4069	328.7796	325.0771	119.4473	114.3074	402.8919	395.586	456.1464	454.1782	235.3291	230.0046	374.9758	370.8115	303.8564	297.6064	151.5712	148.4288
19.09.2016	115.9609	114.3226	131.2422	130.0374	215.3617	209.0231	139.2773	139.2773	328.0254	324.2201	116.2791	113.212	396.9051	390.208	456.3536	453.2459	231.7756	221.835	375.0726	365.0978	304.9202	298.0053	151.2015	147.7819
18.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.09.2016	115.7511	113.7706	131.6577	129.705	212.2297	208.2774	138.3857	138.3857	328.471	325.2485	114.7961	112.9761	396.5804	391.101	456.2845	452.1064	222.6348	219.6641	369.6494	362.4831	303.9894	280.984	149.5379	145.6562
15.09.2016	115.0897	113.6602	132.1562	129.4142	211.6331	208.9485	138.9958	138.9958	328.0082	325.0154	114.5096	112.6222	397.5647	391.4764	459.703	453.1423	226.7596	221.3894	373.4263	365.582	281.9149	275.5319	150.3697	147.1349
14.09.2016	113.9442	112.0099	131.7823	129.1649	210.5145	207.4571	138.6204	138.6204	327.5626	318.615	114.1726	112.2177	398.3765	381.8366	459.0124	455.5939	227.2681	222.7319	371.3926	365.2915	279.2553	274.4681	149.4455	146.0259
13.09.2016	114.1371	112.4573	130.6107	128.9904	208.4265	204.9217	139.1366	139.1366	321.241	317.5043	114.2905	111.9649	387.9858	379.7666	461.2914	456.3191	231.6648	224.9029	374.7821	365.3883	278.5372	274.8404	151.8484	147.5046
12.09.2016	114.6459	112.6983	130.5526	129.3477	208.7248	204.5488	139.3243	139.3243	319.0607	313.9184	116.4644	112.0829	385.3881	377.8792	460.5318	457.1133	236.5471	227.4063	371.78	363.5483	274.5479	268.9362	151.5712	147.8743
11.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.09.2016	112.7977	109.3676	131.7906	130.2534	215.138	204.9963	141.389	141.389	319.8492	316.6952	116.9194	115.0489	389.9036	383.2065	463.9503	460.2555	237.9456	233.9465	382.0453	372.5547	274.5745	268.9362	150.0924	146.6728
08.09.2016	111.3706	108.2059	131.9443	130.698	217.6734	212.9008	143.8292	143.8292	319.6915	316.9489	117.1891	116.1611	390.0964	383.5008	467.4378	462.5691	236.3803	231.8099	387.7591	380.3021	271.4362	267.3404	150.3697	147.2274
07.09.2016	111.1002	107.5756	132.634	131.3045	220.1342	215.2871	143.4069	143.4069	320.9119	316.2153	117.2565	115.669	396.6514	388.1279	468.7165	465.1934	233.7694	229.8846	391.9233	383.7885	273.0053	265.9574	149.7227	146.8577
06.09.2016	110.4205	107.4783	131.6992	130.5359	218.7174	216.0328	142.0929	142.0929	318.7179	316.2153	116.9194	113.9703	399.1375	391.2227	468.4047	458.8052	232.8496	228.2793	391.5359	378.6558	270.0798	262.766	148.8909	145.9335
05.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.09.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.09.2016	112.8093	109.9357	133.8388	131.5538	218.9411	214.9142	140.4974	140.4974	318.3408	315.9753	114.9983	113.3468	396.3978	390.1065	460.4972	452.4517	230.1417	225.7098	376.3316	364.6136	271.6755	260.5053	148.4288	145.2865
01.09.2016	115.434	112.1564	133.4233	130.8475	218.2699	214.9142	137.6349	137.6349	319.5749	315.1467	115.0826	110.2966	397.8691	385.997	455.3177	450.8633	225.7998	221.2637	367.9063	361.2241	268.617	259.7074	146.8577	143.9926
31.08.2016	117.2866	114.6511	135.3552	133.2779	217.5242	213.3482	135.8986	135.8986	317.6894	315.6325	112.2177	110.2292	385.997	379.2998	455.4903	451.5539	225.1942	222.5206	366.6473	360.3525	273.8032	265.5585	146.3031	143.0684
30.08.2016	116.6896	112.2646	136.4977	134.6282	219.7614	215.2125	134.1154	134.1154	318.1694	314.9811	112.8244	110.4146	382.6484	376.966	458.8052	454.1091	225.5999	222.2863	368.5842	361.1273	276.5957	271.6755	148.1516	144.732
29.08.2016	114.862	113.4264	136.0407	136.0407	224.8322	217.5988	135.1947	135.1947	316.0096	316.0096	114.8298	112.2851	379.8072	379.8072	458.6671	455.1796	223.6574	223.6574	366.7441	357.6409	276.8617	270.8777	150.7394	146.1183
28.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.08.2016	118.0287	114.7289	137.1001	135.7707	227.5168	222.4459	134.4439	134.4439	319.5063	316.0096	115.8409	113.9198	382.7499	377.1689	464.4682	456.3191	226.8853	223.1147	370.7147	360.5462	275.5319	270.3457	156.9316	149.7227
25.08.2016	117.8825	117.0074	137.0586	135.2721	228.1879	224.3848	133.8808	133.8808	318.8036	316.3696	115.2511	113.0266	378.1329	372.9579	459.2887	456.1809	228.0622	223.7203	363.161	359.5778	275.9309	268.75	158.8725	156.3771
24.08.2016	118.7899	117.4047	138.5958	136.1446	229.4556	223.8628	133.5523	133.5523	323.0031	316.4895	116.0768	113.8355	379.5028	375.241	464.0539	458.2873	234.4893	227.0624	370.0368	360.9336	278.3245	265.0266	158.6876	156.4695
23.08.2016	119.6884	118.3409	138.8035	137.7233	227.2185	222.4459	136.0863	136.0863	326.7055	321.5632	116.4476	115.0657	378.691	374.3278	465.6768	462.4655	235.1805	232.8953	372.2642	367.6157	276.7287	268.75	160.9057	157.8558
22.08.2016	120.6241	118.026	138.3673	137.204	231.0962	222.1477	132.3322	132.3322	329.4652	324.3572	116.1105	113.9703	384.1705	374.3075	464.1229	461.2914	236.3803	231.8099	376.6996	366.841	272.0745	261.4362	164.9723	160.536
21.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.08.2016	119.8889	118.3401	139.8837	137.3079	232.6622	229.4556	131.816	131.816	330.0309	327.5283	117.2228	114.0377	384.1705	380.2131	468.163	463.4323	237.3972	234.1979	384.815	375.1695	267.4202	261.8351	166.0813	162.4769
18.08.2016	121.5015	119.1097	141.7324	139.4059	232.5876	229.6048	129.6105	129.6105	331.8306	327.4769	118.1328	115.9589	386.758	380.3653	470.0967	466.5746	237.8656	233.181	388.437	382.4327	268.3511	261.9681	164.4177	161.7375
17.08.2016	122.1333	121.0156	140.7561	139.5929	230.1268	226.9202	129.4228	129.4228	330.1337	326.4313	117.1048	115.487	384.0183	376.9153	468.4738	463.2251	236.6316	232.1755	387.5654	377.9779	269.6809	261.3032	164.0481	161.183
16.08.2016	123.2661	121.0429	140.3822	138.4711	228.4116	224.8322	131.2999	131.2999	330.7336	326.2084	116.2791	112.7064	382.0396	375.4439	470.8564	464.8135	239.8366	233.7809	391.6328	384.2727	271.8085	265.6915	163.7708	159.8891
15.08.2016	124.1464	122.6573	139.0943	136.5185	225.8762	222.2968	131.206	131.206	327.5111	325.4542	120.5089	115.9083	378.7925	368.6454	465.8496	463.0525	239.848	234.5921	390.277	383.7885	267.0213	259.8404	164.7874	160.9982
14.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.08.2016	123.8426	122.0102	137.3909	135.9369	224.6831	220.8054	131.4406	131.4406	333.1676	325.3857	122.5143	118.3013	374.0233	367.2248	470.2003	462.5345	246.0352	234.7235	394.0538	383.7885	265.2926	259.3085	162.8466	157.3013
11.08.2016	124.3151	121.8096	137.4325	136.103	224.0865	221.9239	131.7222	131.7222	332.6534	329.568	122.0762	120.0708	372.6027	367.9351	469.3025	464.779	246.8807	244.367	396.3781	388.1464	264.4947	259.7074	163.9556	160.7209
10.08.2016	124.9442	123.6977	138.0931	135.8496	225.6376	219.1053	132.8484	132.8484	334.7309	327.1546	123.1041	119.6663	375.0989	365.5606	470.7528	465.0207	251.6248	243.8555	399.1284	386.3103	274.0053	260.5053	163.4381	159.3715
09.08.2016	125.0922	123.366	136.3066	135.3095	225.4586	220	132.1633	132.1633	329.4378	326.1467	128.1598	123.1041	366.6667	361.0857	465.6423	461.395	246.4328	243.1193	386.8294	381.2706	277.5266	269.5479	159.5564	157.2274
08.08.2016	125.0097	123.598	137.3494	135.4383	226.1298	223.833	133.2989	133.2989	331.4604	327.9637	129.9292	127.3172	365.4997	361.5424	464.0539	461.0843	247.5686	242.8839	386.1321	381.3674	278.1915	270.6117	159.5564	155.4159
07.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.08.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.08.2016	124.9043	123.3403	136.506	134.3041	226.0701	222.61	133.252	133.252	331.9198	327.5317	131.4122	127.789	365.4592	360.5885	473.4116	463.6395	244.5384	239.8537	396.8236	382.6264	272.0274	260.9043	156.414	151.2284
04.08.2016	125.4763	123.3237	136.0823	134.0465	223.7882	219.6122	128.5781	128.5781	334.5048	327.6483	128.3957	124.3175	367.0218	360.9335	473.5497	467.9558	245.6239	238.0827	397.5402	389.018	263.8298	250.7979	153.7893	148.7985
03.08.2016	124.6463	122.9533	136.4562	133.5895	223.5645	214.3922	131.3468	131.3468	335.7216	330.0994	125.4634	123.3906	368.7468	363.4703	474.1713	469.8204	245.8752	241.4191	402.1887	395.216	256.383	250.9309	153.4196	148.244
02.08.2016	123.9232	122.3094	136.7885	134.3373	220.9545	214.7651	131.9099	131.9099	339.5269	332.4649	125.632	123.3064	373.0594	367.0726	474.482	467.4724	247.7377	241.3391	403.4476	394.9254	255.4521	249.0691	151.756	147.597
01.08.2016	123.3466	120.0026	137.8272	134.9605	220.1342	210.1417	134.397	134.397	340.1611	333.4076	126.1207	123.9636	374.277	368.5946	469.924	467.2652	246.4351	241.8647	400.8328	393.8602	256.6489	249.4681	153.6044	149.7227
31.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.07.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.07.2016	121.1411	119.5337	136.29	132.9663	213.9448	209.918	131.7691	131.7691	338.7556	332.242	124.8736	120.7954	369.1527	362.0497	469.8204	461.6022	244.5784	238.8654	395.797	387.6622	257.3138	248.8032	152.5878	149.2606
28.07

27.05.2016	125.5929	124.245	129.6012	128.0017	224.3102	217.4497	113.4209	113.4209	324.4258	318.4607	108.8473	107.1453	344.7996	338.1025	423.2735	418.0249	193.8128	190.2708	317.3543	313.0932	233.9096	229.2553	179.2052	176.9871
26.05.2016	124.4698	120.0185	129.6012	127.2746	219.5377	215.5854	113.7494	113.7494	323.3973	319.3521	108.7799	105.9151	339.8275	331.3039	427.0718	421.616	193.0245	190.168	321.228	315.9985	232.4468	226.7287	178.281	172.0887
25.05.2016	122.5632	121.7279	129.4558	127.5862	221.3274	217.5242	113.7494	113.7494	320.9976	315.4782	106.8756	105.1062	335.6672	329.376	425.8978	421.5124	193.8357	190.3965	317.2574	314.3521	228.8564	218.484	173.3826	171.2569
24.05.2016	123.1397	120.7738	129.892	127.8563	224.8322	218.7919	114.0779	114.0779	317.8951	312.5129	106.5049	103.0502	337.037	331.6591	433.7017	425.1727	193.5101	189.968	318.7101	314.0616	224.867	220.2128	173.7523	169.2237
23.05.2016	126.4872	123.1397	129.4142	127.0046	221.6257	216.9277	114.5002	114.5002	314.8097	311.9301	104.0445	102.966	340.1826	333.1811	434.9448	430.5594	194.3556	189.968	321.3248	316.1921	228.5904	221.9415	173.3826	170.5176
22.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.05.2016	127.2796	125.6883	130.7229	128.064	218.1954	215.7345	116.3304	116.3304	318.2551	313.3528	104.5669	102.9154	344.5967	337.4937	436.4986	432.5622	196.875	193.333	322.8743	318.4195	229.9202	220.6117	175.4159	171.6266
19.05.2016	128.9009	125.8097	128.7703	127.5239	219.1648	215.138	116.1896	116.1896	316.1639	311.5358	104.7354	102.1908	345.7128	339.6246	440.9876	430.6975	197.2406	193.4701	328.007	316.6764	225	219.8138	177.2643	171.0721
18.05.2016	128.9833	128.0486	129.1649	127.1292	219.3885	215.5108	121.3046	121.3046	320.0891	312.9928	105.9656	103.5558	348.8584	343.9878	443.5083	436.5677	200.6741	195.761	335.4639	327.9101	224.3351	217.5532	178.1128	176.3401
17.05.2016	128.8443	127.6226	129.5804	127.6278	218.7174	215.5108	124.2609	124.2609	322.1632	316.2324	105.3252	102.7806	355.9107	347.2856	444.1298	439.5373	200.9027	197.0178	336.626	330.7186	225.3989	220.4787	179.1128	174.8614
16.05.2016	128.8783	127.3299	128.9572	127.1708	222.8934	216.7785	120.9291	120.9291	321.3747	315.204	103.64	102.1571	353.2217	343.5819	446.2707	440.0207	200.4685	195.441	337.4976	331.2028	225	218.2181	176.1553	172.8281
15.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.05.2016	128.2468	125.1686	128.5833	126.8799	225.2051	220.9545	120.1783	120.1783	319.4721	315.2554	102.848	101.5335	350.482	345.6114	441.9544	437.3964	198.7774	195.6924	333.0428	327.0385	225.9309	217.9521	176.525	171.8115
12.05.2016	129.6132	126.8681	131.1799	127.5654	230.2013	224.1611	119.8968	119.8968	327.0826	315.5639	103.421	102.0391	360.1725	346.829	443.5083	438.3287	204.159	196.4808	338.6597	330.2344	226.0638	220.3457	173.1054	169.3161
11.05.2016	130.0893	128.359	130.8683	128.8326	232.513	228.7099	119.0521	119.0521	325.9068	320.6274	104.0445	102.0391	362.3846	354.3683	442.9282	437.5414	202.7274	198.0427	341.1776	331.687	223.2713	213.0319	171.8115	168.854
10.05.2016	130.499	129.4771	129.9044	128.575	232.5876	229.5302	118.6767	118.6767	324.0041	319.9931	104.4321	102.1234	356.6109	350.9285	438.8052	435.0691	200.1531	196.2683	332.5586	328.2007	214.8936	210.7713	173.1978	168.2994
09.05.2016	131.4167	128.2392	132.5093	129.1857	230.4996	228.1133	115.6734	115.6734	330.1337	321.5564	104.5838	103.1008	354.9873	349.8123	445.9116	436.7887	206.7939	196.202	339.0471	328.588	215.1596	206.7819	172.6433	168.207
08.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.05.2016	128.9686	127.7058	134.0839	132.0482	235.4959	228.6353	114.031	114.031	331.2719	326.4724	104.8197	103.9434	355.0583	349.7818	448.1975	440.9461	208.0987	203.7569	341.4681	334.3018	213.1649	207.8457	173.8447	170.7948
05.05.2016	128.7643	125.792	135.646	132.8209	237.5839	234.2282	112.2947	112.2947	334.059	327.2026	107.0947	103.9602	357.1284	349.3151	444.855	438.7431	215.9392	203.3707	342.4366	334.786	224.3351	209.0426	174.6765	170.7024
04.05.2016	126.0774	123.443	136.7262	134.6489	239.0007	234.3028	111.5908	111.5908	337.9671	332.6534	106.488	105.0388	359.6651	352.5622	445.8909	439.8135	217.0875	213.8883	339.1439	333.4302	223.0053	215.8245	176.1553	173.3826
03.05.2016	125.0619	123.984	139.9875	135.0436	241.6107	237.8076	111.8254	111.8254	344.1378	336.3216	108.9484	104.786	366.1593	355.8092	450.2072	443.4392	221.2866	212.3743	343.9861	336.4323	216.7553	211.1702	182.1627	173.1054
02.05.2016	125.2793	123.0614	139.5721	139.5721	241.0887	238.255	112.107	112.107	346.7432	346.7432	108.6957	106.7745	366.1593	366.1593	450.9323	445.3384	215.4593	215.4593	349.6998	339.5313	219.016	213.2979	181.146	177.9113
01.05.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.04.2016	124.4668	122.0985	140.3614	137.9518	241.6107	237.2856	113.374	113.374	348.4059	338.2928	108.1227	106.4206	366.8189	355.2511	448.4461	437.5	217.6417	210.2148	348.8282	341.6618	218.0851	207.9787	181.4233	177.7264
28.04.2016	126.2068	122.8593	138.9281	135.9369	238.777	235.9433	112.9986	112.9986	340.1783	335.0703	108.1564	106.6734	356.3166	350.8371	437.9834	428.0387	212.0544	208.1696	341.8555	332.8491	210.6383	206.7819	183.7338	178.0037
27.04.2016	127.9242	124.9034	137.474	135.2306	239.9702	236.8382	113.8433	113.8433	341.9266	334.5561	108.2912	106.8588	357.9401	350.7357	433.1146	428.6602	219.6984	207.2441	338.1755	331.3965	213.9628	208.2447	180.7763	177.5416
26.04.2016	127.2377	124.9891	137.5571	135.7291	239.5973	235.8688	115.955	115.955	343.319	337.4871	109.117	107.0442	356.5195	350.5327	430.3177	425.6906	211.3631	204.9646	333.3333	327.1354	213.9628	208.6436	180.5915	175.2311
25.04.2016	125.0845	123.1001	137.8687	135.5837	236.8382	233.7062	115.2511	115.2511	345.4577	341.2753	108.4429	106.3364	363.9269	353.2725	429.4544	425.2417	209.2207	205.3359	332.7523	326.9417	212.1011	204.9202	179.39	173.2902
24.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.04.2016	126.0587	122.3562	138.575	135.3344	235.5705	231.6928	114.7818	114.7818	349.4001	340.3497	107.8699	105.9825	367.0726	358.4475	433.0456	424.3094	213.574	204.8903	337.3039	327.5228	212.367	204.1223	185.1201	174.6765
21.04.2016	127.0104	125.0367	136.8509	134.0258	234.0045	229.6793	116.3304	116.3304	347.3774	338.327	108.8136	106.1341	368.138	357.0776	439.3301	429.9033	218.6129	204.4447	344.1797	325.3922	211.7021	204.7872	191.5896	184.1035
20.04.2016	127.722	125.6164	135.189	131.3668	231.2453	228.9336	119.9906	119.9906	341.9952	335.4131	109.0664	104.5838	361.5931	354.3886	435.0138	430.7666	213.3341	207.0498	334.9797	327.3291	211.7021	199.6011	189.5564	182.1627
19.04.2016	128.6559	126.4283	132.2393	130.0374	230.1268	226.7711	118.2074	118.2074	339.7326	328.1454	106.5386	103.6569	357.1284	345.6621	434.5649	424.413	211.5174	202.6051	332.1712	314.1584	207.7128	203.0585	183.3641	177.1719
18.04.2016	131.2118	127.8643	130.619	127.877	226.9948	220.2088	116.7527	116.7527	332.0192	326.4655	105.241	100.6235	351.5474	343.2268	429.2818	425.3453	208.8208	201.394	317.0637	313.19	208.7766	201.7287	179.1128	173.1054
17.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.04.2016	131.7698	130.7073	129.4142	127.9601	226.0254	221.7748	115.8611	115.8611	332.2592	327.0141	102.5447	99.6293	350.7864	345.7128	427.3135	423.6188	205.3016	201.074	318.129	312.9963	203.0585	191.0904	173.6599	170.8872
14.04.2016	131.7423	129.9658	130.2451	128.0848	223.1171	219.3885	115.1103	115.1103	332.362	327.8368	103.8928	101.1965	356.2659	345.6114	430.2141	423.308	205.3359	202.1367	316.9475	309.3163	194.9468	190.0266	174.3068	170.5176
13.04.2016	132.6795	130.1502	130.1205	126.9215	220.9545	217.3751	115.7203	115.7203	332.9619	326.9626	103.9771	102.6458	357.1284	348.1989	434.5994	428.6948	205.4673	200.8969	317.1606	311.0595	192.5532	189.8936	174.4917	168.7616
12.04.2016	133.1176	131.4147	127.4242	124.3083	220.7159	217.6286	116.5087	116.5087	328.3785	318.3339	103.4277	100.7988	349.5383	340.3247	436.6367	432.7693	202.8451	194.5041	314.9525	306.7209	193.2979	189.734	170.7209	167.0795
11.04.2016	134.0274	131.7877	126.3108	124.1919	218.7174	215.1081	113.6837	113.6837	322.6397	317.8402	101.9885	100.7145	348.0061	342.4252	435.2555	430.1796	197.3423	194.2573	310.0717	298.4079	196.8617	189.8936	170.61	166.4325
10.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.04.2016	133.4345	131.061	126.2401	123.6228	215.3915	213.035	112.5012	112.5012	321.1107	317.8882	101.5976	99.1675	345.9056	342.4556	429.7307	425.1727	196.4694	191.3277	298.3924	293.3566	196.9149	190.3989	172.0148	169.7412
07.04.2016	131.5999	128.8379	125.9078	123.5812	216.6294	212.3341	112.642	112.642	329.4755	318.7453	99.8921	98.5743	349.6499	342.6484	429.9033	423.0318	195.841	190.6993	297.7339	291.9233	196.1702	191.8351	172.4214	169.4085
06.04.2016	131.932	129.7411	126.049	123.4317	216.704	212.9754	112.6232	112.6232	329.2252	326.2084	99.8989	98.8541	349.0614	342.1613	426.0359	420.3039	195.7952	192.1389	294.2088	288.9793	196.4096	193.484	174.9538	170.61
05.04.2016	133.0575	129.6759	127.4616	125.3677	215.5854	211.8568	113.1394	113.1394	330.3222	326.1742	99.7304	98.6518	349.0107	343.1253	427.5898	420.0276	193.7271	189.3853	294.7899	289.2698	197.3404	194.2819	176.1553	173.7523
04.04.2016	134.2411	132.6443	127.9809	126.3191	217.5242	212.8262	114.8756	114.8756	332.0706	326.7569	100.2359	98.9889	353.8813	347.1842	422.6174	419.924	191.4648	187.9228	292.5625	288.4951	201.8617	194.2819	177.0795	173.8447
03.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.04.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.04.2016	134.0007	132.6666	127.9186	125.0935	220.5817	214.7651	116.7996	116.7996	336.4415	330.2708	100.0843	97.9946	354.9467	345.2055	427.1754	417.9903	193.7729	189.6367	299.8257	286.3645	204.6543	199.2021	176.0628	172.5508
31.03.2016	134.0077	131.0152	125.779	123.2447	222.1477	217.0022	117.5504	117.5504	335.6188	330.9907	98.7192	96.1072	351.1416	344.4444	428.9019	423.2044	193.7786	190.008	300.9878	294.4025	212.5	203.7234	175.6007	168.4843
30.03.2016	134.9469	131.56	124.678	122.7669	225.2796	221.1037	118.442	118.442	338.6699	333.1848	97.607	96.5285	354.9467	350.0761	430.3177	422.9972	195.6353	192.1789	299.2446	294.2088	214.6277	210.1064	176.525	171.1645
29.03.2016	135.4899	133.7398	124.4287	122.3515	223.1171	220.1442	118.3951	118.3951	342.2352	335.3103	97.6048	96.4274	362.2019	351.8519	428.8339	420.2348	198.7946	192.6245	297.4046	291.7877	211.9681	207.9787	176.525	174.0296
28.03.2016	135.1202	134.073	122.0607	122.0607	223.7882	219.9851	118.7236	118.7236	339.7669	339.7669	97.725	96.3937	357.2298	357.2298	422.9282	417.8177	197.3092	197.3092	297.5983	293.5309	216.0904	207.5798	176.4325	171.5342
27.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.03.2016	135.1719	133.4512	123.5147	122.0191	221.5511	218.1954	119.5683	119.5683	341.4124	335.6531	98.3991	96.6464	360.4769	353.8813	423.2044	419.268	198.9374	196.4237	297.0172	293.9183	222.0074	209.5745	171.719	169.5933
23.03.2016	136.1399	133.7621	124.5534	122.1437	226.4728	218.9411	121.3984	121.3984	348.7487	339.5612	98.7192	97.6578	370.1674	359.8174	432.1133	420.2348	201.6682	196.4122	308.6384	295.1772	222.7394	217.0213	172.8281	171.0721
22.03.2016	136.9985	134.1206	125.5713	123.6186	229.0828	225.6525	123.4632	123.4632	348.3031	345.012	98.4665	97.1014	373.6175	365.6012	435.7735	429.9033	201.7824	196.755	310.5752	305.9268	220.7447	215.1596	173.9372	171.3494
21.03.2016	138.7316	136.7234	126.6722	125.0727	232.9605	228.1879	122.6185	122.6185	349.4686	344.6692	98.7024	96.1577	373.3638	365.0431	434.047	429.0746	201.3711	195.3154	308.4447	304.571	217.0213	209.7074	174.4917	171.5342
20.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.03.2016	140.7567	138.2115	127.1708	125.0104	234.6756	231.4691	124.4017	124.4017	352.3826	345.5948	98.6687	95.7533	373.516	366.0071	438.1561	431.5262	205.3816	196.4694	313.19	305.152	214.0957	208.9096	171.5342	169.2237
17.03.2016	141.5237	140.0121	127.877	125.0104	233.035	226.6965	121.1168	121.1168	348.4402	338.8413	99.2417	98.1631	371.4358	360.6799	439.5718	425.0691	203.1193	196.2637	311.1563	301.472	212.8989	205.7181	175.9704	170.1479
16.03.2016	141.0705	139.8182	126.4229	125.0104	227.6659	224.9068	116.4711	116.4711	343.0922	337.6414	98.6013	96.9329	363.9777	358.3968	433.9088	424.2749	198.5603	193.1901	301.1815	294.5962	205.984	200	176.3401	173.6599
15.03.2016	140.5898	138.6399	128.1678	125.7582	229.7539	227.4422	117.6443	117.6443	339.9726	335.1046	98.5676	97.7418	372.5013	361.3394	430.3867	423.7914	198.5489	193.9785	300.6198	294.4025	205.0532	200.3989	177.1719	174.8614
14.03.2016	139.0413	137.9664	130.4944	127.5031	230.2013	225.3542	116.6588	116.6588	345.1834	337.8471	98.3654	96.3094	377.0675	371.3851	436.1188	427.2445	203.7477	195.4068	306.8952	298.5667	205.3191	199.734	177.2643	174.7689
13.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.03.2016	140.0015	137.5145	130.5359	129.0403	229.4556	227.2931	114.641	114.641	341.4124	332.3963	96.815	95.1972	378.3359	368.6961	443.6809	434.0124	202.8565	199.8857	304.9584	300.5036	203.8564	197.0745	176.8022	174.3068
10.03.2016	139.5494	137.7638	131.2962	128.5127	228.6353	225.2796	112.3416	112.3416	339.0744	333.6921	96.0398	93.7984	376.0223	368.209	440.3453	427.6727	203.5878	198.7888	303.4089	293.9183	197.6064	193.75	176.525	171.9039
09.03.2016	140.2407	139.3523	131.3876	129.4765	226.4728	220.9545	113.4209	113.4209	340.4182	332.7391	95.8881	94.3883	378.204	366.1289	436.4434	429.7583	203.1216	196.7002	299.3415	294.4993	198.6702	193.617	173.1978	170.4251
08.03.2016	142.5152	139.892	132.688	129.2397	224.7576	219.5377	111.7316	111.7316	342.9654	332.9551	96.697	95.2646	379.7057	368.138	441.7196	435.6285	214.2139	195.3611	305.152	297.9857	197.7394	192.4202	172.1811	168.9464
07.03.2016	143.2032	141.2145	133.4649	130.7644	224.9814	222.4459	111.0277	111.0277	345.6016	339.0881	97.5733	96.2251	384.83	373.6682	439.9862	434.3785	216.3825	209.6412	306.5078	300.1162	197.7394	193.3511	173.1978	170.5176
06.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.03.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.03.2016	145.0698	143.2303	132.8002	130.2243	224.9814	220.1342	110.5584	110.5584	347.2232	333.2705	96.3937	94.759	382.344	371.4866	442.1616	432.0787	213.3398	203.8563	306.7015	293.434	198.5372	195.2128	171.719	168.6691
03.03.2016	144.5902	143.037	132.6548	130.7437	222.2222	218.1954	108.3529	108.3529	333.579	324.3058	95.4162	94.0681	373.6175	365.8042	435.3591	427.5207	205.3416	197.7948	294.8867	287.914	198.0053	194.5479	170.7024	166.0813
02.03.2016	145.604	144.1894	132.4886	131.076	220.4325	215.8837	106.6635	106.6635	330.0823	323.7744	95.6016	93.7816	369.0512	360.5784	429.7997	423.1008	202.8336	196.4351	291.3035	286.1708	195.3457	190.4255	166.9131	163.586
01.03.2016	145.7486	144.0507	132.0731	129.5804	220.9545	217.7479	106.4289	106.4289	325.2657	318.2722	97.27	94.4725	362.4049	352.3592	431.3881	423.9986	198.2404	192.2989	292.3688	285.5898	192.8191	187.766	168.1146	164.695
29.02.2016	145.9219	144.8941	132.2393	129.9128	221.4019	215.3617	107.0859	107.0859	323.6716	318.9064	97.1014	91.8942	359.4115	350.8879	427.797	421.547	194.6755	191.7048	289.2698	283.3624	191.0904	185.5053	168.7616	166.5434
28.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.02.2016	146.6806	145.1609	131.8654	129.5388	221.6257	214.1685	108.0713	108.0713	327.3912	315.941	97.5396	96.4948	356.2659	342.0599	428.5566	418.5083	195.8524	191.1677	295.5646	284.7182	191.2234	184.4415	168.6691	165.9889
25.02.2016	146.13	144.3675	131.5538	129.4765	221.3274	218.1954	108.8691	108.8691	320.9633	314.2441	97.9441	96.5116	350.4313	340.2841	429.4199	423.5152	197.5548	189.7852	297.5015	291.7877	189.2287	182.3138	168.4843	166.1738
24.02.2016	144.8453	142.8736	131.3045	128.1886	219.1648	212.6771	108.3998	108.3998	320.4491	314.3126	97.7418	96.4948	347.0827	340.69	433.011	422.1685	197.8062	193.6929	302.731	294.9835	186.8351	181.383	168.6691	165.0647
23.02.2016	144.2329	142.0391	131.8238	128.5833	216.8531	211.8568	111.7316	111.7316	321.2547	317.8265	99.4102	97.489	350.279	345.2055	423.7914	417.9903	200.2514	195.9095	297.4046	294.7899	185.1064	169.6809	172.2736	168.2994
22.02.2016	143.8386	141.9503	131.7408	128.8741	216.704	209.6943	109.3853	109.3853	322.6088	314.9914	101.365	98.7867	359.1071	349.4673	423.6188	415.2279	200.4228	194.7098	297.9857	290.0445	171.4096	167.9521	173.5675	171.3494
21.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.02.2016	142.9077	141.241	129.1442	126.1944	217.7479	211.7077	108.0244	108.0244	317.7065	312.9414	101.0617	100.0169	359.7159	348.757	426.5193	421.5124	197.1092	189.4538	300.6004	296.8236	171.1436	167.8191	173.9372	172.366
18.02.2016	143.0264	141.1969	126.9423	125.5713	218.4191	213.6465	108.306	108.306	315.5292	312.2729	101.7695	100.118	354.4394	346.5246	427.0718	414.8481	191.819	189.191	300.9878	295.5646	175.6649	170.3457	175.5083	173.0129
17.02.2016	142.5033	140.2519	127.3369	125.4258	216.9277	209.4705	108.6814	108.6814	316.0439	311.073	101.0954	100.0169	364.688	349.5687	419.3025	413.8467	193.4644	187.8656	298.9541	294.9835	176.5957	173.4043	175.5083	172.8281
16.02.2016	140.2601	136.3644	127.7108	124.3457	214.3177	210.1417	108.8691	108.8691	316.3181	308.7076	101.1965	98.8204	375.7484	363.0644	420.442	411.4296	190.5736	178.4621	306.2561	294.2088	178.1915	173.0053	173.5675	171.719
15.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.02.2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.02.2016	138.6857	136.3426	124.678	123.0577	214.4668	208.7994	107.9305	107.9305	309.7875	304.988	99.3596	98.4159	376.5601	371.9939	430.4213	425.7597	178.5649	173.309	307.1857	303.6994	175.7979	172.7394

11.12.2015	135.7464	132.8537	125.6128	123.037	250.7084	246.8307	113.4209	113.4209	324.7857	314.0213	107.7014	106.8925	351.0908	346.0173	372.6174	366.6782	200.5142	195.0297	273.5813	266.4149	195.7447	192.9521	184.1035	180.2218
10.12.2015	135.5436	130.5357	124.2792	122.4927	251.9016	249.4407	117.222	117.222	316.1947	312.8694	109.2349	107.1453	347.2146	341.5322	371.4779	369.1644	199.0082	194.4378	275.5181	272.9034	201.5957	192.8191	184.1035	179.4824
09.12.2015	135.6323	132.3475	124.786	122.5841	252.1253	247.2782	117.5035	117.5035	318.2653	313.5345	109.9259	107.9205	349.5282	343.034	374.5856	369.1644	201.5905	197.3629	277.6487	273.4069	202.2606	198.9362	181.6081	178.0037
08.12.2015	137.8017	134.779	124.1836	121.4416	254.8098	244.7427	114.4064	114.4064	315.5811	310.336	108.9653	107.8025	345.0431	337.6357	372.2721	368.4047	200.5347	194.7075	277.1644	272.4191	206.516	198.9362	178.8355	176.1553
07.12.2015	138.4614	135.1494	126.2651	123.1491	255.7047	251.7524	117.4097	117.4097	318.9167	311.4433	109.1675	108.0047	345.6114	340.7407	375.0345	370.5801	208.2815	199.5978	283.3624	277.1644	207.5798	202.9255	182.2551	178.1885
06.12.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.12.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.12.2015	139.8114	137.7789	126.8384	122.6423	253.393	251.305	115.955	115.955	319.6778	311.4501	109.3529	107.4317	342.9731	334.7539	375.7597	365.0898	208.4438	199.5315	282.975	271.5475	210.3723	205.3191	179.2976	176.8022
03.12.2015	140.8669	136.7659	123.6809	121.6037	252.6473	248.3221	111.7316	111.7316	314.8097	309.7703	108.3586	106.4206	336.4282	331.2532	367.2307	360.6907	204.9017	197.7024	273.8718	267.3833	208.1117	202.2606	178.8355	172.2736
02.12.2015	144.0791	140.7737	124.3041	121.8945	249.1424	246.9799	111.5439	111.5439	319.1121	310.5417	107.7351	106.5891	338.1025	333.2319	369.268	362.4655	207.7697	202.2852	275.2276	269.3202	207.5798	200.3989	175.0462	172.0887
01.12.2015	144.4234	140.2388	123.2032	119.838	250.4847	246.9799	110.5584	110.5584	318.1865	312.29	107.2127	105.5612	337.2907	331.4054	370.8564	366.9199	205.8501	200.2514	275.7118	271.9349	205.8511	196.1436	177.5416	174.0296
30.11.2015	143.8629	141.4695	122.3515	120.4404	250.9321	246.8307	110.9338	110.9338	317.4666	311.2959	108.0216	105.0725	334.6525	325.723	369.1644	363.3287	204.1819	198.3547	274.6465	270.7728	199.6011	195.8777	177.634	175.6007
29.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.11.2015	144.2483	142.6832	127.3785	120.8558	247.4273	246.3833	115.4857	115.4857	322.5231	312.4443	108.1227	105.9151	334.2466	325.0127	370.0622	363.1215	210.8547	198.1718	276.6802	269.9012	201.4628	198.2713	180.2218	176.7098
26.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.11.2015	143.0859	142.1153	122.7046	119.7964	249.4407	245.4884	115.4388	115.4388	317.0038	310.9702	107.2801	104.2299	328.7671	323.5109	372.8936	368.4392	205.3131	197.0864	276.2929	271.7412	201.1968	194.9468	182.0702	180.1294
24.11.2015	144.1406	141.06	121.5413	119.6302	249.6644	246.5324	114.4064	114.4064	317.278	306.0679	104.9208	103.8086	327.5495	318.2141	372.9972	369.0608	202.6851	185.7747	276.9708	272.1286	209.7074	199.0691	183.8262	180.3142
23.11.2015	144.6883	140.2719	120.9805	119.3602	251.1559	246.1596	113.5617	113.5617	313.2842	305.2965	106.1678	103.5558	323.1862	314.5611	371.029	367.9558	199.1659	186.5973	274.6465	269.0296	205.4521	201.9947	184.7505	179.6673
22.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.11.2015	142.7546	140.5603	125.135	119.7757	255.0336	249.1424	114.6879	114.6879	320.8433	313.1642	106.8756	105.7634	331.7098	321.3597	375.4489	371.2017	205.9072	197.3378	278.8108	272.516	205.3191	198.2713	183.3641	180.3142
19.11.2015	143.0445	140.8864	122.85	121.1051	252.871	249.1424	108.6344	108.6344	318.2551	314.107	106.7577	105.814	322.7803	317.3009	375.2072	369.1989	206.6842	202.4566	278.9076	273.3876	199.6011	192.4202	182.6248	178.4658
18.11.2015	143.2956	139.7715	123.5563	121.5206	252.5727	248.7696	108.5406	108.5406	321.5632	315.4268	106.3532	105.5949	323.034	318.1634	371.0981	367.6796	209.6892	204.4333	275.7118	271.7412	196.5426	189.6277	181.3309	178.1885
17.11.2015	141.9913	136.9874	123.8056	121.3959	253.0947	250.1864	110.4646	110.4646	324.0315	315.2211	106.7914	105.4264	326.1289	318.3156	374.6547	367.8522	213.4598	207.0612	276.5834	273.2907	201.8617	193.75	182.9945	179.2052
16.11.2015	142.3062	138.9843	124.678	122.2268	252.7964	249.4407	108.6814	108.6814	331.1107	321.5118	107.0947	103.9265	327.3973	321.9178	379.1436	373.6533	216.7162	211.5745	279.6824	275.1307	202.2606	197.0745	184.5656	181.9778
15.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.11.2015	145.3367	141.6643	125.3428	123.9717	250.9321	247.8001	108.2121	108.2121	331.8992	328.6082	105.0388	103.7412	328.1583	324.4039	375.6906	372.8246	217.2189	213.1056	278.5202	274.4528	202.7926	197.4734	185.305	182.1627
12.11.2015	146.5888	142.4907	127.4616	124.0964	248.3221	246.085	111.1685	111.1685	339.9726	330.0309	105.6623	104.6006	332.1664	324.2516	376.0704	370.8564	220.6581	213.8026	280.9413	275.0339	199.4681	194.2819	185.2126	183.0869
11.11.2015	142.7588	139.4368	126.8882	123.6477	247.0246	243.5943	111.7034	111.7034	339.6435	335.2897	105.487	104.4119	330.8168	321.38	377.6727	374.3301	220.8272	215.3428	281.0575	276.3122	200.133	194.6809	185.1386	181.9778
10.11.2015	143.2799	138.2728	125.484	123.2655	245.0112	239.5377	110.718	110.718	341.7347	336.5924	106.1072	104.0748	335.8498	329.1527	377.8384	374.6754	219.7623	215.0777	281.7548	276.9126	197.3404	193.7758	187.1165	181.4972
09.11.2015	146.1738	142.4479	126.9796	125.0686	241.6555	237.9717	111.1122	111.1122	343.6202	339.952	104.7489	103.9029	338.1228	333.9625	378.1354	375.6699	222.468	217.5548	286.1902	279.295	192.2872	185.2394	193.1423	185.8965
08.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.11.2015	146.7788	144.085	126.9464	124.1629	243.5198	239.1201	110.3895	110.3895	346.7535	341.2684	104.8096	103.913	338.2953	332.0041	383.2113	374.5925	224.4744	219.5612	291.5359	284.602	198.4043	190.8245	194.5287	191.5157
05.11.2015	148.2055	144.0214	124.7611	122.4761	243.7733	240.2685	111.45	111.45	354.131	343.6407	104.9039	104.0782	341.0959	333.9929	383.5635	381.1119	227.011	220.4982	292.2719	288.7856	200.133	192.4202	195.5638	192.4214
04.11.2015	151.5275	148.2055	125.0519	123.1408	245.8613	239.9703	112.4824	112.4824	358.7247	352.2112	105.9825	104.1456	345.3577	338.762	387.5	381.8025	229.8675	224.4973	296.8236	291.4972	206.117	193.75	196.2107	187.9852
03.11.2015	153.0228	151.1533	124.8857	122.393	245.9359	244.3699	110.5584	110.5584	355.7422	350.0514	107.6003	105.3589	345.5099	340.2334	392.9213	384.5994	232.0498	225.6513	299.2446	294.4025	206.516	200.133	191.0351	187.061
02.11.2015	153.4996	151.7599	123.3693	121.3752	246.0104	241.9836	110.7931	110.7931	352.7597	349.5372	106.9093	104.7354	346.2709	339.9797	394.5442	391.0566	232.027	228.7134	300.891	295.3709	201.4628	193.0851	193.2532	187.3383
01.11.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.10.2015	154.1532	152.556	122.1022	120.8558	243.1767	239.7465	111.8724	111.8724	354.7652	350.6856	106.9093	105.0219	347.6915	342.0091	397.0304	393.3011	236.8601	228.9762	303.2152	299.7288	195.7447	190.9574	193.5305	190.4806
29.10.2015	156.0487	153.7147	122.4138	120.4612	241.387	236.2416	110.9338	110.9338	357.4906	351.6969	106.0162	104.786	353.1202	346.2202	401.3812	395.5801	241.9333	235.192	315.5723	300.9878	195.3457	191.7553	191.22	186.6913
28.10.2015	154.9205	151.5985	122.8085	120.0872	240.865	237.5839	109.8076	109.8076	359.2732	352.8968	105.9993	104.8702	356.0629	350.482	408.4945	401.2086	242.2532	237.6828	317.0637	306.7984	196.6755	190.8245	188.0776	184.8429
27.10.2015	153.2652	151.026	122.8292	121.3752	238.5533	235.9433	109.4322	109.4322	359.8903	354.7137	106.4543	104.7017	357.3313	353.4754	403.5221	400.8633	241.5676	237.4543	308.8321	305.7331	195.4787	191.0904	191.4972	187.2458
26.10.2015	154.852	152.2298	124.7403	121.4582	237.211	232.7368	109.1506	109.1506	359.8046	354.1481	105.7634	104.3478	357.9909	353.4247	403.8329	401.3122	241.5791	237.3515	309.3163	305.4426	194.9468	188.5638	189.2791	182.5323
25.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.10.2015	155.2762	152.5323	126.506	121.6037	235.5705	231.6182	110.3707	110.3707	365.204	354.6109	106.1678	105.1904	363.1659	351.3952	407.2514	400.1381	243.7157	236.5174	311.4468	304.1836	195.7447	189.0957	182.6248	179.2052
22.10.2015	155.4323	153.6878	125.5505	122.3099	237.5093	232.7368	112.3885	112.3885	362.8557	356.5821	109.0158	105.1062	360.5277	350.1776	404.558	401.4503	239.2939	234.6092	308.0573	302.9247	194.5479	188.5638	185.0277	181.3309
21.10.2015	155.0484	153.6334	127.0253	124.2002	240.4922	233.3333	113.1394	113.1394	356.9421	352.5883	108.9653	107.4317	361.035	349.9746	406.9406	401.7956	237.6028	233.718	308.2898	302.5373	189.3617	185.7713	183.9187	181.2384
20.10.2015	155.0179	152.2827	127.5862	126.049	240.4922	236.167	115.6734	115.6734	359.6846	354.8509	107.634	106.4375	363.3688	359.6144	407.7003	403.0387	238.3227	234.7806	309.2194	304.8615	190.1596	185.3723	181.793	178.7431
19.10.2015	153.9846	150.828	129.5596	126.9838	236.4653	231.9165	115.908	115.908	362.1872	356.0165	107.971	106.1173	367.3262	362.5571	406.6298	403.6948	240.1508	235.4662	309.4131	304.8615	191.4894	187.766	182.4399	179.1128
18.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.10.2015	150.9647	147.0781	129.6219	128.5418	233.035	230.2759	117.3627	117.3627	365.3754	359.3761	107.7688	105.9488	367.8843	363.3181	408.9434	405.8702	243.0073	240.0366	312.8026	308.6384	190.1596	184.3085	186.9686	181.0536
15.10.2015	149.2065	147.1092	131.9069	128.9157	232.513	229.3065	124.1201	124.1201	367.1923	362.5643	107.4486	106.4375	371.4866	363.5718	411.3605	405.5939	243.83	239.0311	313.6742	308.1542	191.2234	184.5745	189.5564	185.5823
14.10.2015	150.466	148.1186	131.4915	130.2867	234.5265	231.0216	125.6687	125.6687	364.6212	359.0675	107.971	106.8588	364.688	358.3968	410.3591	401.7265	239.8537	236.883	313.19	305.8299	188.2979	182.0479	192.0518	187.6155
13.10.2015	149.6434	147.9476	131.4915	129.6635	234.3028	228.2625	125.0587	125.0587	363.6956	359.7189	108.1227	103.6906	366.9203	360.0203	403.0387	397.6174	242.1389	237.6828	309.6068	302.5373	189.4947	182.9787	192.8835	186.7837
12.10.2015	150.4991	148.635	134.4537	131.0469	231.0216	225.6525	123.5101	123.5101	367.398	363.2842	104.6175	103.6569	368.3004	360.2841	403.5221	399.1367	245.3336	239.0494	311.2531	305.8299	190.6915	185.7713	188.7246	186.1368
11.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.10.2015	149.1777	147.0118	135.4009	128.3382	230.2759	227.1439	120.5537	120.5537	367.6997	355.8382	104.8534	102.7637	368.9904	338.8534	400.2762	394.1989	246.138	232.1984	310.091	301.9562	191.8883	185.3723	191.9593	186.414
08.10.2015	149.4386	146.0295	129.6178	127.7482	229.6048	226.3982	117.5035	117.5035	356.1124	350.4902	105.1567	103.5389	339.0766	335.5251	397.3757	392.2652	232.7239	229.8675	306.7015	297.9857	186.7021	182.3138	192.8835	188.2625
07.10.2015	148.8292	144.4822	130.8517	127.6111	234.5265	227.5913	116.8466	116.8466	361.8375	355.4954	105.2915	104.1287	340.8929	328.9193	398.1659	394.0953	234.9406	227.0567	312.0279	306.5078	186.1702	179.9202	196.488	190.3882
06.10.2015	144.6212	139.8068	129.2065	127.0461	230.6488	229.0828	118.3951	118.3951	358.9304	351.6969	105.0388	104.2467	331.7098	325.52	397.4102	392.058	228.5192	224.2916	311.6405	301.6657	181.7819	178.5904	194.732	189.9261
05.10.2015	143.3576	140.7073	129.4973	127.5031	231.5436	228.9336	116.6588	116.6588	358.7761	350.2743	104.8702	101.3482	337.0878	327.5495	394.1989	390.0898	233.5238	226.3254	304.3773	292.4656	181.7819	178.0585	191.4048	188.0776
04.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.10.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.10.2015	142.9382	139.0546	129.0195	126.9423	232.7368	230.2759	112.0131	112.0131	352.8282	344.1892	103.1176	101.2808	335.0583	327.7524	393.9572	381.1809	232.404	225.5484	295.8551	278.1329	180.0532	176.0638	193.3457	189.1867
01.10.2015	143.2231	139.3729	131.5953	128.4379	235.4213	230.7979	111.8254	111.8254	359.4446	347.7888	102.8817	100.9437	343.2268	331.3546	386.1878	383.4599	241.4991	228.245	284.1371	279.5855	176.4628	171.1436	193.6229	189.1867
30.09.2015	145.9423	140.7345	130.2451	128.791	237.8822	231.9165	111.6377	111.6377	356.5821	341.4981	103.7412	100.7415	340.2841	335.312	389.0193	383.6326	237.3857	225.16	284.9119	279.5855	172.8723	165.6915	190.4806	184.2884
29.09.2015	148.6542	145.3361	129.1442	126.9838	242.3565	236.4653	110.7461	110.7461	344.2921	337.71	103.2019	102.0391	339.1172	333.5363	391.6091	388.087	226.234	221.2066	284.5245	280.0697	169.6809	161.1702	188.4473	185.0277
28.09.2015	149.3762	147.8173	130.1205	127.1292	244.8919	240.4176	111.0277	111.0277	347.8917	338.3956	102.7132	101.3819	339.5231	331.4054	396.0635	389.3301	228.8391	223.2404	292.6787	280.2634	165.9574	163.2979	190.573	184.8429
27.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.09.2015	148.5352	145.2171	130.9098	129.0818	246.607	243.2513	111.0277	111.0277	350.9427	344.9777	103.0671	101.3313	343.9371	337.1385	397.203	393.75	227.7651	224.3373	294.0151	289.5603	165.4255	157.7128	188.7246	183.4566
24.09.2015	147.1089	142.7463	131.076	129.6635	247.2036	243.997	107.5551	107.5551	350.36	344.3264	102.4098	100.6067	346.1187	339.929	399.2749	391.0221	226.6111	221.9264	294.0151	285.5898	157.9787	152.9255	188.0776	183.7338
23.09.2015	150.427	147.1089	131.8446	130.0166	247.7256	244.9664	107.6959	107.6959	351.7827	346.7089	101.8537	100.7415	345.6621	337.7473	391.4019	387.1202	225.1371	220.681	288.6887	284.4277	157.7128	153.4574	187.9852	183.1793
22.09.2015	152.1173	150.2277	133.7765	131.1176	248.0984	244.5936	107.9775	107.9775	360.8845	345.8348	102.511	100.8763	345.9665	338.2547	392.1616	386.9475	225.3428	219.7441	294.8092	284.6213	156.117	152.6596	183.6414	180.4991
21.09.2015	152.1831	150.0513	137.931	133.2156	247.9493	246.085	109.2445	109.2445	364.964	358.999	102.6458	101.3145	346.2202	337.8995	393.4392	390.0898	226.7824	220.841	295.2741	292.0782	157.5798	154.7872	184.5656	177.634
20.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.09.2015	151.7395	149.5985	136.29	133.548	249.0679	244.7427	109.6668	109.6668	371.8546	359.4789	105.1567	101.8032	361.9178	339.5231	394.0953	389.1229	228.9534	220.841	298.5667	290.8193	164.2287	155.1862	180.6839	177.4492
17.09.2015	152.0651	150.7368	135.2514	133.2987	245.041	242.2819	109.4791	109.4791	372.4374	367.2266	106.5049	104.9882	351.3445	344.6474	390.5732	384.9102	232.6097	225.8455	295.5646	286.074	166.2234	161.9681	181.0536	177.7264
16.09.2015	154.4639	151.2992	134.6074	132.8625	244.9664	241.4616	110.2299	110.2299	370.929	364.4155	106.033	104.9882	351.4967	341.1466	388.018	381.0083	234.8035	227.1481	289.2698	277.1644	164.6277	161.1702	182.9945	178.5582
15.09.2015	156.3191	154.1676	134.2958	131.3876	245.1156	240.2685	110.5115	110.5115	366.9523	360.4388	105.9488	105.0388	344.0893	334.6525	382.6312	380.3867	230.5759	222.8062	278.8108	276.0023	165.8245	161.7021	186.0444	181.9778
14.09.2015	155.9194	154.2166	135.7914	133.548	245.1902	242.2819	109.3853	109.3853	369.9349	362.0843	107.3475	105.2073	345.9158	337.0878	383.1492	380.732	235.1691	225.3428	282.4908	277.2613	166.8883	163.4309	185.4898	179.5749
13.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.09.2015	157.137	153.9986	136.103	134.9398	245.3393	240.865	108.8691	108.8691	371.6627	365.3548	108.1901	104.5669	351.8011	344.2922	383.9088	379.0401	238.5443	233.1741	285.5898	276.2929	164.4681	159.867	179.4824	173.1978
10.09.2015	157.7739	156.3336	135.7956	134.4661	245.6376	242.5802	109.1037	109.1037	373.1299	366.3764	107.5834	106.033	352.2882	345.0837	384.5994	381.25	239.1179	227.2349	287.4298	282.0066	159.6543	155.5585	177.2643	174.5841
09.09.2015	158.3675	156.4908	137.0979	134.7736	244.3699	240.1193	112.2008	112.2008	373.4865	367.0734	107.2295	105.9319	350.7458	342.4252	388.3633	379.8688	231.4762	227.3629	288.9793	282.0066	157.6596	152.4734	177.8189	174.3068
08.09.2015	157.1389	153.8433	135.8704	132.2975	240.7905	236.2416	111.5908	111.5908	369.5235	351.5667	107.3138	105.7634	344.2111	334.9772	388.7431	385.9461	229.4013	220.2605	288.2045	279.6824	154.3883	149.5745	176.1553	172.9205
07.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.09.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.09.2015	154.7275	153.2281	136.2069	133.6311	238.0313	232.2148	111.5439	111.5439	360.4731	349.023	105.9319	105.1904	347.4886	336.0223	390.5732	385.4972	228.2678	221.755	286.5582	280.4571	154.7872	148.4043	173.5675	171.2569
03.09.2015	155.6844	154.2548	136.6431	132.9871	233.9299	231.1708	110.6053	110.6053	364.9297	351.7312	106.2184	104.8365	351.5982	345.0025	391.5053	387.1547	231.3757	224.5201	289.4635	281.9097	151.4628	142.6862	177.0795	171.8115
02.09.2015	155.0813	152.9839	134.275	132.0731	234.3028	230.4251	110.9338	110.9338	354.5938	347.7374	105.8308	104.668	353.2725	346.6261	394.3025	390.6768	226.8282	222.7148	286.7519	279.3918	147.4734	141.4894	180.6839	176.1553
01.09.2015	156.2656	153.5349	135.0852	131.3876	234.4519	231.0962	113.1863	113.1863	353.1711	347.7545	106.4712	104.8197	353.4247	347.2349	396.1326	392.4724	229.6618	222.2349	285.6866	280.8445	143.617	140.9574	181.7006	178.4658
31.08.2015	157.8714	156.132	134.1712	134.1712	232.0656	228.4862	114.2656	114.2656	352.6226	352.6226	107.0442	105.1567	351.3952	351.3952	391.8163	388.5014	229.6618	229.6618	283.7498	278.8108	145.8777	140.4255	179.6673	176.1553
30.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.08.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.08.2015	157.7953	155.3452	135.0229	130.3282	234.3028	230.5742	115.3918	115.3918	357.422	348.8858	107.2127	105.7971	352.5114	339.0157	393.6809	387.8108	233.0896	223.8346	283.9434	277.9392	148.5372	144.016	182.4399	178.4658
27.08.2015	155.988	153.2302	131.0137	127.8147	232.4385	229.6793	114.6879	114.6879	353.7196	339.4926	106.8588	105.3421	343.4297	333.4855	389.6409	385.8771	230.2788	218.3958	282.394

26.06.2015	164.5006	163.0715	142.3556	140.5484	248.5459	243.1022	123.8386	123.8386	398.663	393.3836	113.9703	110.1786	365.1953	358.7012	406.6989	403.384	290.208	283.9237	308.0573	300.9878	161.1702	156.383	211.0906	198.8909
25.06.2015	163.1985	142.7919	140.7977	247.2036	243.2513	123.1347	123.1347	395.7319	389.9726	110.6842	108.1395	365.1953	359.9188	406.5262	404.3854	292.5388	287.0544	308.7352	305.4426	161.1702	157.7128	199.2606	191.5896
24.06.2015	167.6384	165.906	143.2696	140.7769	245.1902	241.387	121.7269	121.7269	399.2287	392.098	108.999	108.1058	366.5652	360.5784	407.2514	404.1782	295.8867	290.1737	308.3479	305.4426	160.3723	155.8511	197.8743	192.0518
23.06.2015	168.255	167.1755	143.3527	141.0677	244.6682	241.6853	120.8353	120.8353	396.4347	387.3843	109.5888	107.7351	365.1446	356.7225	410.1174	405.9392	294.3784	283.181	313.4805	304.8615	159.3085	155.4521	195.1941	187.061
22.06.2015	168.161	165.9531	141.2547	139.7175	245.1902	241.7599	121.3515	121.3515	389.7326	386.7501	109.3697	107.398	362.6585	356.6717	414.2265	408.0456	290.2308	283.181	314.9332	310.3816	159.0426	153.5904	188.0776	182.0702
21.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.06.2015	166.5691	164.8685	141.4209	139.5513	245.9359	241.8345	120.0375	120.0375	395.4748	387.35	109.117	107.0273	368.2902	361.3394	415.7113	413.674	291.5905	287.2486	314.0616	308.4447	155.984	153.1915	183.9187	180.4991
18.06.2015	166.5709	164.8653	142.8126	140.5692	245.6376	240.2685	121.4453	121.4453	398.8344	393.0751	109.5888	108.6114	371.3343	364.8402	416.2293	409.4959	295.2811	289.2253	318.8069	309.6068	157.8457	155.3191	186.414	182.1627
17.06.2015	167.0255	166.03	142.1687	140.3822	241.3125	239.7465	121.3515	121.3515	396.7775	392.2866	109.6394	108.1227	367.5292	362.963	408.8398	405.3522	294.7898	288.734	312.2216	308.4447	157.4468	155.0532	186.6913	182.8096
16.06.2015	167.5971	166.4706	142.4387	140.2784	241.6853	238.4787	122.29	122.29	400.0686	393.6579	109.791	106.4375	370.5733	363.7747	409.9793	405.8702	295.6124	289.4424	312.6089	307.7668	158.9096	155.1862	185.1201	181.9778
15.06.2015	166.9658	165.9811	144.0798	140.2576	239.2245	234.5265	121.68	121.68	403.3939	395.7833	109.5046	106.7914	377.1689	367.3262	410.8425	404.7652	299.6572	291.8876	314.9332	306.9921	160.5053	157.0479	188.7246	181.8854
14.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.06.2015	168.7598	165.7853	145.0769	143.6228	235.123	230.6488	124.824	124.824	405.1766	401.4741	110.0438	108.3418	378.4373	371.9432	408.6671	406.1464	300.8112	295.3268	310.7689	306.7015	161.7021	159.9734	191.22	187.7079
11.06.2015	170.2297	168.5723	146.2194	143.4774	234.3773	231.0962	125.3871	125.3871	414.1241	401.8855	110.9875	108.4429	391.3749	377.3719	410.0138	405.732	310.5347	302.5366	310.9626	306.3142	164.3617	159.7074	192.6987	188.4473
10.06.2015	170.2024	168.4567	146.7927	144.7985	235.5257	231.5884	128.8221	128.8221	416.9146	408.7899	110.7954	109.8854	397.9909	388.8584	411.5331	405.5939	312.2943	304.8675	314.1003	309.2388	166.4628	162.9787	200.6285	191.6821
09.06.2015	168.6976	166.5222	145.9742	144.0631	232.3937	230.0075	126.7198	126.7198	411.9746	406.7638	110.6673	109.3731	394.9467	386.5246	408.2528	405.5594	310.8547	305.0274	312.977	309.1032	166.0106	162.6596	199.8891	195.1017
08.06.2015	167.3207	165.5927	144.5908	143.2198	232.9157	230.4847	126.7949	126.7949	408.7213	405.1217	109.8551	108.2339	391.9736	384.8706	406.0773	403.3494	306.6956	298.4689	312.3378	308.0767	164.8138	162.2074	197.6155	191.793
07.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.06.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.06.2015	167.7828	165.6417	144.2584	142.2227	232.513	228.4862	125.3214	125.3214	409.0675	403.1368	109.9157	107.8665	392.4099	384.6981	406.768	401.3122	300.5713	292.8748	313.1706	308.9095	162.8457	159.016	197.7634	191.183
04.06.2015	167.2717	165.7707	144.1629	142.7295	234.3773	231.1708	125.1056	125.1056	412.2729	404.6623	111.1392	109.4371	395.1801	389.2948	409.4613	404.8688	296.4465	291.1906	319.5816	311.5437	162.633	159.9734	193.7153	186.3216
03.06.2015	167.5412	166.0555	144.9938	142.7919	234.079	231.4691	122.6654	122.6654	415.324	410.8673	110.1955	106.9093	395.2308	387.2146	412.6036	407.424	298.0005	294.1156	325.3728	317.3543	163.8298	160.1064	194.4547	187.8928
02.06.2015	168.0034	166.8757	145.3885	142.5634	232.9605	227.6659	121.023	121.023	414.7412	410.5245	108.3249	106.724	394.5713	387.4683	413.018	409.5304	299.4059	292.5503	325.9733	322.0027	166.2234	162.766	189.7412	182.3475
01.06.2015	167.896	166.7885	145.243	142.501	230.4251	227.5168	118.3951	118.3951	414.4841	410.0274	109.791	107.3475	397.2603	389.1933	415.9185	409.0815	296.4122	285.3291	332.2681	321.3248	163.5638	157.8457	183.0869	175.2311
31.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.05.2015	168.9271	166.6308	146.6764	142.7295	233.3333	229.8285	116.9873	116.9873	420.4662	411.9986	112.184	108.3586	406.7986	391.7808	412.1892	409.5649	292.1846	286.4717	325.4891	322.3901	160.5053	158.5106	180.8688	175.4159
28.05.2015	169.0009	166.7734	146.2609	143.0411	234.0045	230.4996	116.1896	116.1896	420.2605	416.7295	108.7631	106.2521	403.9574	394.622	411.7403	407.8039	297.2121	291.042	324.908	320.4532	161.4362	157.5798	182.902	178.5582
27.05.2015	166.9749	165.0353	145.2223	142.5634	235.2722	232.2148	115.955	115.955	421.1862	416.5581	107.5834	106.2184	396.3978	390.7154	411.2569	408.8398	294.4927	288.3569	325.4891	321.3248	161.3032	157.4468	183.4566	178.281
26.05.2015	166.6221	165.6621	146.9464	144.2044	235.123	232.6622	116.0957	116.0957	426.397	418.5122	108.9653	106.6229	399.4926	389.9543	416.6091	409.4959	296.7779	287.5229	330.8154	322.3901	163.6968	159.3085	191.8669	181.8854
25.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.05.2015	166.2516	164.9814	147.1126	144.9107	236.4653	233.4825	118.0666	118.0666	430.1337	421.2204	108.0553	106.6397	404.8706	394.4191	419.6478	415.0898	297.8062	289.351	335.7544	328.2975	168.484	163.2979	195.5638	188.9094
21.05.2015	166.4945	164.6165	148.403	146.2401	237.1365	233.035	120.0375	120.0375	430.5451	427.1855	109.4034	107.2127	402.3338	391.4764	418.9227	415.1588	303.165	295.0526	334.0112	329.5565	169.2819	165.6915	195.1017	188.9094
20.05.2015	165.4748	164.2097	148.7744	146.988	234.5265	231.8419	121.2173	121.2173	428.0769	424.6486	109.1507	107.3643	394.5205	388.0264	419.2334	415.8149	299.3144	292.1161	334.6891	328.1038	171.1436	167.4202	196.6654	186.0444
19.05.2015	165.7742	164.2853	150.9763	147.6527	235.0485	232.2893	129.7513	129.7513	438.1899	425.5399	109.9427	107.9373	400.1015	392.1867	424.2403	416.5746	313.814	297.3606	343.4437	326.9417	172.3404	169.4149	193.4381	186.2292
18.05.2015	165.8167	164.2872	154.1338	150.3116	234.8248	232.1402	128.9066	128.9066	441.5153	435.6188	112.639	109.3192	405.8853	397.3617	425.6906	422.3066	319.0471	312.9913	344.2766	338.5629	171.5426	168.617	195.9335	188.9094
17.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.05.2015	167.464	165.0132	155.2971	152.8874	234.0045	229.1573	127.405	127.405	440.6582	435.7902	112.6896	111.4425	402.2831	397.9198	423.5843	418.4738	320.0868	312.2029	340.4029	333.3333	174.4681	170.7447	192.1442	187.061
14.05.2015	167.5078	165.5809	157.2081	153.7183	231.0216	227.8896	125.7156	125.7156	441.6867	437.3672	112.4031	110.5494	412.9883	397.9706	423.895	418.8536	320.681	314.4881	340.5966	330.7186	174.2021	169.2819	190.3882	178.0037
13.05.2015	165.7475	163.8059	158.2468	155.6294	228.9336	226.4728	124.824	124.824	443.0237	438.1556	110.8864	109.2855	421.4105	408.7265	421.029	411.6713	327.6051	320.064	333.8175	319.5816	180.8511	171.6755	179.7597	174.122
12.05.2015	165.1365	162.9974	157.0461	154.6365	228.3371	222.8188	125.1525	125.1525	442.8934	436.5855	110.4988	108.8136	417.9807	404.2821	413.1906	407.7348	327.5548	320.0046	321.1311	312.5121	180.7181	177.2606	181.146	176.8946
11.05.2015	166.7891	164.093	157.5405	154.4661	224.4594	218.7174	124.5425	124.5425	439.8354	435.6874	111.7459	108.9484	417.6763	406.413	411.4296	406.9682	331.4168	324.2185	320.5501	313.7711	180.1862	176.3298	178.5582	176.1553
10.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.05.2015	165.8598	163.9059	157.8396	154.8068	221.1037	217.5988	123.4632	123.4632	441.3438	434.6246	111.5774	110.0101	425.2055	412.968	411.9268	407.942	328.4324	320.8912	320.1627	315.1269	178.7234	171.8085	178.4658	174.6765
07.05.2015	164.9515	163.665	159.5056	154.8733	219.6122	216.9277	121.7269	121.7269	442.1975	437.0552	111.1729	109.4708	424.5561	416.5398	410.3177	406.8094	324.0836	313.8003	319.6979	313.2868	173.5372	168.484	178.9279	174.2144
06.05.2015	166.6585	165.0056	163.6892	157.7482	220.3579	217.1514	121.2107	121.2107	444.4121	436.6301	112.4874	110.5157	439.0665	421.6134	413.2942	410.0829	332.7925	316.4534	322.4869	317.3543	172.3404	169.5479	178.281	172.4584
05.05.2015	166.9986	164.8893	164.0424	157.6651	219.8359	213.9448	123.9324	123.9324	444.8749	435.893	112.7907	111.4088	440.3856	427.9046	414.0193	409.1851	327.4223	312.1115	323.5522	316.5795	170.3457	165.0266	174.7689	170.5176
04.05.2015	165.771	163.9064	158.413	158.413	215.5108	213.7211	123.5101	123.5101	439.3212	439.3212	112.5211	110.9201	430.137	430.137	411.6367	407.2859	313.7112	313.7112	324.2301	312.5121	171.6755	165.6915	175.4159	172.5508
03.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.05.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.05.2015	165.272	162.9999	160.3033	158.1014	220.8799	213.1245	124.4017	124.4017	441.0696	432.8077	114.7961	110.7516	439.0665	429.6296	408.4599	403.8329	318.7614	313.3912	314.9332	307.9605	176.8617	170.4787	177.1719	173.1978
30.04.2015	165.9441	162.609	159.7632	156.1072	220.8799	217.9717	127.9681	127.9681	435.2074	419.8492	114.6613	113.4816	431.3546	422.6281	416.6091	406.1119	318.7386	306.3985	324.0364	306.5078	179.5213	170.8777	180.6839	174.4917
29.04.2015	166.0885	164.7572	156.8342	154.757	219.8359	216.3311	127.3111	127.3111	421.9061	415.4611	113.3974	111.2909	427.8031	421.7149	418.9572	414.6754	308.3867	301.5311	323.8427	317.9353	175.7979	171.9415	178.9279	175.3235
28.04.2015	166.0389	164.6721	155.6086	151.7865	220.5817	216.9277	127.0296	127.0296	419.9863	414.9126	113.0266	110.5494	428.8179	422.9325	419.4083	413.9848	309.3007	303.245	323.4554	316.3858	179.1223	174.6011	176.8946	171.6266
27.04.2015	165.8366	163.9015	153.2405	150.8517	218.8665	214.0194	126.3257	126.3257	419.5406	413.2328	113.7513	111.0549	428.3105	419.9899	416.6436	407.0787	312.5229	301.2112	319.388	303.6994	178.0585	171.6755	181.3309	174.6765
26.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.04.2015	166.2251	162.8639	151.4956	147.3411	215.3617	208.9485	132.8015	132.8015	416.3867	407.1306	112.2009	109.8753	423.6428	412.481	412.7072	405.4903	303.942	289.7738	308.4447	302.1499	176.1968	172.2074	185.5823	180.3142
23.04.2015	163.499	160.1806	150.0831	146.7595	209.396	206.4877	132.473	132.473	408.3648	401.9198	110.7347	105.9993	416.4891	409.3861	413.2942	409.0815	292.0704	286.0146	309.0258	305.0552	174.0691	165.9574	187.061	184.4732
22.04.2015	161.0719	159.2531	151.5164	149.7923	210.7383	206.6368	133.0831	133.0831	409.738	404.1824	106.8925	105.0725	420.3957	414.5104	415.7409	409.1851	291.5676	288.1399	312.0279	303.8931	167.9521	164.4947	186.5065	183.1793
21.04.2015	161.0325	159.5036	151.1633	149.1275	207.83	205.4437	131.863	131.863	412.6157	406.9935	106.9599	105.9319	414.5104	407.7118	415.6423	411.8094	294.9726	288.4598	313.7711	308.4447	169.016	164.2287	186.9686	182.5323
20.04.2015	163.1267	159.4541	152.4512	150	211.8568	206.9351	128.3904	128.3904	420.9462	409.9074	107.4992	106.1004	416.8442	409.6398	417.3343	411.2224	292.6303	282.6897	317.2574	307.2826	175.266	168.2181	184.3808	180.9612
19.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.04.2015	166.9085	163.1235	152.8874	150.5609	214.9888	211.2603	131.0183	131.0183	421.8718	415.2554	109.0832	106.606	417.656	411.7707	416.9139	413.3287	293.1673	286.426	320.1627	314.5458	177.3936	173.6702	182.9945	180.1294
16.04.2015	166.9511	165.1838	152.7628	150.1454	215.2871	210.44	128.9066	128.9066	418.5465	409.5989	110.1281	107.5666	416.1847	405.2258	417.4033	412.4309	295.2239	289.3967	319.7753	312.8026	177.2606	170.8777	182.3475	179.5749
15.04.2015	166.4502	164.7554	150.914	148.0058	212.528	209.918	127.1234	127.1234	409.976	403.1539	110.2629	108.9484	407.5596	400.761	415.8494	410.4282	290.128	286.3574	317.9353	311.6405	173.8032	171.0106	185.6747	180.4991
14.04.2015	165.3084	162.9524	148.8617	145.5962	212.7517	208.5757	126.091	126.091	411.7929	404.9023	110.7853	109.2518	404.5662	397.3617	414.8135	408.7017	287.7399	278.4849	317.2574	309.8973	173.6702	170.2128	185.8595	182.5323
13.04.2015	163.5997	162.006	147.0627	145.3594	209.3065	207.2185	126.7762	126.7762	417.3534	410.5656	110.8932	109.3293	408.9904	400.1624	417.1271	413.0525	292.7239	282.9776	319.0781	315.1462	171.9415	168.0585	193.9002	184.9538
12.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.04.2015	166.0295	162.7672	146.7968	145.6336	209.4407	206.8009	127.1891	127.1891	419.1772	411.5667	111.7223	109.5147	407.722	398.2851	417.9558	412.1547	292.692	285.7221	322.8549	313.8175	170.9574	168.5106	194.3808	190.7024
09.04.2015	166.4921	165.4587	146.56	145.4383	209.1424	206.5324	126.6354	126.6354	416.2016	410.9907	112.7536	111.1999	399.5231	389.9848	415.1588	411.8094	290.7884	284.8469	319.0238	312.3184	172.6064	167.5798	194.1774	189.5749
08.04.2015	166.9347	165.383	147.8646	146.0781	211.484	207.5764	127.3862	127.3862	417.518	411.3473	113.0502	111.4324	391.0299	383.8255	418.5428	413.4669	292.7742	286.1472	327.5228	317.2768	174.3351	169.734	196.1553	191.6081
07.04.2015	166.8588	164.6694	148.7744	147.4034	209.2468	207.4571	132.5669	132.5669	418.6836	410.9359	112.3357	109.8247	388.0771	381.4815	419.4751	416.9544	300.4456	286.0603	331.3965	324.0364	170.8777	163.4309	197.4122	191.4048
06.04.2015	169.6274	166.3607	147.5696	147.5696	209.396	205.9657	131.5814	131.5814	410.9359	410.9359	110.3134	107.3306	381.583	381.583	422.7555	414.6754	297.0178	297.0178	335.1733	329.847	171.0106	166.2234	201.0166	194.085
05.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.04.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.04.2015	168.1464	166.9111	147.9227	146.5102	207.9045	204.8471	125.8564	125.8564	417.2095	410.2845	107.6508	105.4601	381.8874	375.7991	417.1961	412.6727	298.2861	287.7742	329.2659	321.0343	169.5479	163.8298	201.2015	193.3457
01.04.2015	168.2351	165.7976	148.5044	146.3025	205.6674	200.522	124.7302	124.7302	416.7981	409.1875	106.5049	105.2241	377.0167	364.8402	417.2997	407.6657	291.2934	282.3812	330.6217	319.5816	164.6277	158.6436	195.5638	187.061
31.03.2015	168.4446	166.871	149.7092	147.5488	202.3117	200.0746	123.7916	123.7916	419.0607	412.8557	107.7351	104.7691	370.1167	363.4196	411.0843	406.8715	293.8186	281.3643	325.7796	318.3227	161.1702	158.3777	196.3031	188.2625
30.03.2015	168.1954	166.5977	149.1899	147.528	206.4131	199.9254	123.7447	123.7447	420.6719	416.0096	108.1395	105.1062	372.2476	368.2902	412.7762	408.2528	304.319	292.0932	330.6024	322.0027	162.5	158.7766	196.3031	187.7079
29.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.03.2015	167.99	166.419	148.3382	146.2609	205.8166	203.0574	128.2496	128.2496	424.3058	415.5982	107.634	106.0836	375.6469	368.4424	416.5401	411.8439	313.1399	302.7422	333.0428	326.4575	164.0957	160.9043	188.1701	184.7505
26.03.2015	167.5518	166.1487	149.7715	147.1126	208.9485	205.22	129.8451	129.8451	432.3277	421.0147	106.9093	105.5949	381.6337	372.5013	421.2362	413.2942	319.3556	310.4433	336.8197	328.007	166.6223	163.8298	194.1774	184.2884
25.03.2015	166.1791	164.1579	148.5459	146.4686	210.2908	206.1894	127.6396	127.6396	422.5574	418.1008	108.0047	105.7634	375.9513	370.7763	414.4682	409.9448	319.8926	310.9803	331.4933	326.167	167.2872	163.6968	195.2865	190.7579
24.03.2015	168.0761	166.8127	149.2937	147.8812	207.9791	202.4609	127.8273	127.8273	426.3456	418.2722	108.5271	107.1958	378.4373	371.0299	412.6727	409.3232	326.4054	318.4072	329.9438	325.5859	171.8085	164.4947	197.4122	193.2532
23.03.2015	167.9814	165.1581	149.9585	148.172	208.0537	204.9963	130.8775	130.8775	422.4546	415.5982	108.7799	105.2578	373.7697	360.1218	410.6354	407.2514	327.925	322.0978	328.7817	321.7122	170.8777	167.5532	199.8152	195.9335
22.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.03.2015	165.5016	163.7557	150.0208	146.531	208.2774	201.1186	131.9099	131.9099	417.878	399.1258	106.606	104.9882	362.1512	345.0025	410.221	403.5566	325.2742	312.7057	327.1354	311.4468	169.9468	164.7606	196.1183	189.2791
19.03.2015	165.5629	163.0816	148.6913	146.2401	207.9791	202.2371	131.4406	131.4406	402.2799	389.4412	106.8588	104.0108	347.8945	341.8062	405.9047	397.7901	314.511	308.2267	313.2868	301.0072	171.5426	167.0213	191.3124	186.7837
18.03.2015	163.0816	159.2385	148.2135	145.6377	207.9045	203.3557	125.0587	125.0587	397.8402	386.0816	105.5443	100.8257	350.9893	339.5231	405.076	395.6146	314.8537	307.8839	309.7037	298.9541	172.3404	168.0851	189.3715	185.1201
17.03.2015	160.4823	158.7535	148.6082	145.9078	208.4265	203.3557	125.9972	125.9972	401.2684	393.8636	102.5784	101.4324	354.2364	348.6555	400.2417	394.6133	317.8016	309.2322	304.2805	297.5983	171.5426	168.617	191.4972	185.9519
16.03.2015	159.8164	158.2826	147.9643	146.0947	211.5585	207.9791	121.8207	121.8207	404.3538	399.76	103.1682	101.6346	360.6799	353.7291	401.9337	397.203	323.9945	317.0247	305.152	300.0194	172.6064	168.883	190.4806	183.1793
15.03.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

09.01.2015	176.8494	173.5344	152.555	149.3768	223.9374	220.4325	166.0253	166.0253	423.0134	417.8882	102.5615	101.6346	378.7316	371.4257	421.837	417.6519	357.4497	348.4689	322.0027	313.9647	199.2021	196.8085	212.1996	207.7634
08.01.2015	180.8368	176.269	151.184	147.3743	224.1611	217.1514	163.9606	163.9606	425.8965	420.2057	102.1908	101.4493	379.7159	373.5769	420.0691	416.0704	355.553	348.0347	322.6806	316.0953	201.7287	194.8138	214.2329	209.2421
07.01.2015	180.6984	178.7347	148.816	145.887	217.9717	216.182	162.6466	162.6466	423.963	420.0034	101.938	100.8426	374.7336	369.2542	420.7182	417.5069	354.9132	347.0978	322.5838	315.7079	199.3351	194.4149	219.5933	213.9556
06.01.2015	180.8742	178.1167	150.27	146.8841	219.5377	215.3617	157.7663	157.7663	425.3171	421.2204	103.2187	101.2808	377.8792	372.6027	422.2721	415.7459	353.8848	336.8601	323.2617	313.2868	200.133	189.6277	223.1054	216.7283
05.01.2015	181.0278	179.7174	152.0773	149.6676	220.2834	216.9277	150.305	150.305	431.145	419.832	103.0334	100.4044	381.8366	373.7189	415.8149	409.5994	346.5151	333.3638	314.9332	306.6047	190.1596	187.234	220.8872	216.5434
04.01.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.01.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.01.2015	180.376	177.2624	153.5521	151.101	219.5377	215.9582	150.3519	150.3519	433.9561	428.1796	101.7358	100.2191	380.7204	371.9939	412.6036	403.2804	347.1549	337.9685	311.0595	300.7941	193.3511	188.1649	218.1146	212.4769
01.01.2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.12.2014	179.5847	176.4138	155.1516	152.742	222.0731	216.6294	153.9183	153.9183	436.5615	432.722	104.5163	101.5167	383.0036	374.6322	415.2624	407.355	346.755	340.2879	315.2431	301.0846	196.6755	192.4202	223.475	216.8207
30.12.2014	180.0549	177.7025	154.6739	153.1367	222.7442	219.8359	154.4345	154.4345	437.0586	431.4021	104.7523	104.1625	383.4602	368.6961	417.6796	408.3218	347.8062	339.1453	319.0006	305.6169	195.6117	193.75	227.5416	222.1811
29.12.2014	178.9425	175.6311	154.9231	152.6797	222.7442	218.8665	154.5284	154.5284	433.819	428.7796	104.8534	103.7412	377.8792	368.5439	413.2251	407.0097	352.2166	343.0073	314.8363	304.571	197.6064	193.3511	229.39	224.8614
28.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.12.2014	176.1423	173.0807	153.6768	153.6768	221.0291	218.8665	157.4378	157.4378	433.699	433.699	104.3984	103.758	377.8792	377.8792	414.0539	408.6326	349.8629	349.8629	315.7079	308.8321	196.6755	195.4787	227.9113	224.5841
25.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.12.2014	174.9421	173.1646	155.6086	153.6352	223.4899	220.5071	159.3618	159.3618	437.0929	433.3905	104.7354	103.6906	379.2491	374.3785	407.8039	405.0414	356.5128	347.372	307.2826	303.9899	197.4734	196.1436	236.5065	224.3068
23.12.2014	175.2084	172.8785	156.2526	154.3623	222.6696	220.5071	160.0657	160.0657	437.8128	434.3846	105.8982	103.758	381.9381	376.4587	409.116	405.6975	357.9068	351.8053	307.4763	301.472	198.1383	196.1436	235.305	229.5749
22.12.2014	175.5105	174.1339	158.6207	155.4425	223.4154	221.7002	160.5819	160.5819	441.8238	436.5444	104.7691	102.1739	383.5109	377.5241	415.0552	404.9724	360.9232	355.9644	313.19	300.891	201.7287	196.8085	238.1701	229.5749
21.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.12.2014	174.6851	172.181	159.2023	157.2912	222.9679	220.1342	163.6321	163.6321	441.9438	434.0761	102.7132	101.6346	383.8153	376.9153	414.8135	412.4655	360.5347	350.3428	311.6405	306.9921	200.7979	198.0053	242.2366	232.7172
18.12.2014	172.6317	168.5679	159.4308	157.3536	221.3274	217.3751	161.1919	161.1919	438.9441	433.5962	102.7806	101.4156	381.4815	371.7402	419.0953	411.8785	359.415	346.8464	314.3521	307.2826	199.6011	195.7447	250.1848	239.2791
17.12.2014	172.9551	169.4256	159.2231	156.5434	218.4937	215.5854	160.7227	160.7227	439.4926	430.4594	102.6121	100.2528	388.8382	378.894	415.3315	410.3936	366.2706	350.617	310.6721	302.9247	197.7394	194.4149	240.2957	228.0961
16.12.2014	175.6985	172.562	159.9294	157.3536	218.0462	214.2431	164.0075	164.0075	438.7041	433.1162	102.4435	100.6235	399.239	386.9609	422.5483	410.3591	375.7541	363.4141	322.3901	301.0846	198.9362	195.2128	236.0444	227.634
15.12.2014	176.4432	174.9322	161.7158	159.0985	214.9888	212.7517	162.8813	162.8813	447.7031	437.7614	102.9828	101.9717	405.3272	397.8184	421.6851	415.953	384.8606	374.6915	330.3699	318.2258	201.4628	198.1383	230.1294	222.2736
14.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.12.2014	178.1855	175.1893	162.1313	160.2825	214.1685	212.006	162.8813	162.8813	446.8975	442.9208	103.2187	101.9211	405.3272	401.0654	423.9986	419.7169	381.787	371.6179	333.6239	329.5565	202.2606	198.9362	226.6174	219.4085
11.12.2014	178.3058	176.9325	162.6298	161.2173	219.2394	212.3788	164.2421	164.2421	445.1663	440.1783	102.9323	100.3876	410.2486	401.4713	425.5525	420.1657	374.4973	369.3556	333.8175	328.3943	206.25	200.7979	221.8115	212.0148
10.12.2014	178.4261	176.3575	164.0631	162.2351	220.5071	218.2699	166.213	166.213	445.1217	440.4251	102.3761	100.1348	409.9949	407.3567	427.7624	423.239	379.3053	372.5617	335.6576	328.2975	207.5798	205.0532	216.5434	212.6617
09.12.2014	179.0476	176.3785	164.0715	161.6618	220.5817	216.4802	166.0723	166.0723	448.6459	436.6815	101.6684	99.6967	412.5216	407.3973	427.797	414.3646	380.585	372.4726	333.6239	315.2431	205.3191	202.2606	221.0721	215.8965
08.12.2014	180.3837	177.2338	164.4661	162.7212	217.0022	215.138	166.1192	166.1192	445.2965	440.3257	101.3987	99.9326	414.1654	409.9036	417.4033	411.5331	385.1622	379.175	318.4195	313.5774	205.0532	201.3298	223.9372	217.7449
07.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.12.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.12.2014	182.6794	179.9488	166.344	163.8097	217.1514	213.4974	167.9962	167.9962	449.3864	443.1299	102.6458	100.4044	415.8397	411.2227	416.9199	409.8757	392.4452	381.7733	321.0343	314.1584	202.7926	200.266	220.1479	215.1571
04.12.2014	183.5662	182.1107	165.4134	163.0245	214.3177	212.4534	169.9672	169.9672	447.5489	441.3096	102.1908	100.5056	414.7133	411.2329	419.0262	414.8481	390.7907	378.5649	322.6806	317.1606	202.5266	199.734	218.4843	213.586
03.12.2014	184.4972	181.4742	164.4371	162.069	213.9448	212.4534	171.8911	171.8911	442.2352	438.1899	101.4661	99.6798	413.242	408.3714	419.2334	413.8122	380.7815	370.4525	321.0343	314.6426	202.7926	200.3985	223.0129	216.451
02.12.2014	186.3788	183.7503	168.6747	163.897	216.8531	211.4094	172.0319	172.0319	444.5663	436.0644	100.8595	99.3765	417.2501	409.0309	420.6146	411.5677	372.6005	368.1216	323.3004	311.4468	208.3777	202.2606	225.878	220.61
01.12.2014	185.997	183.1367	169.1732	165.3095	216.182	212.006	172.595	172.595	444.772	429.3452	101.6178	99.5618	417.5038	408.2699	421.3398	396.8923	373.2176	362.2486	325.2954	287.7203	209.4415	204.2553	224.6765	210.8133
30.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.11.2014	184.6342	183.4956	171.7906	166.8052	214.8397	210.6637	175.129	175.129	449.9246	436.3387	102.3087	100.8426	418.5693	409.8427	410.221	401.9682	375.6627	365.9963	321.6347	298.4699	214.3617	206.516	214.5102	206.4695
27.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.11.2014	186.1789	184.2387	172.6007	170.6273	214.9142	210.44	179.9155	179.9155	454.1138	450.6171	102.0391	99.6124	419.1781	413.445	414.6064	412.5691	377.2395	370.841	323.1648	320.7438	214.4947	212.234	209.0573	205.3604
25.11.2014	186.1147	184.3753	172.2268	169.9003	214.3922	209.396	176.9122	176.9122	460.5931	452.9654	100.455	99.1574	421.0553	415.6773	415.366	411.1878	380.1188	372.6005	324.5206	319.8722	215.4255	211.4362	206.6543	201.8484
24.11.2014	188.0101	184.5424	171.4375	169.4848	214.3177	208.9485	178.2262	178.2262	461.9472	457.0792	100.3033	98.635	420.1928	415.2207	415.6077	411.913	382.8839	375.8912	319.969	315.8048	214.0957	212.234	205.8226	202.7726
23.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.11.2014	187.9402	186.6042	171.9152	168.9655	210.962	208.874	175.9737	175.9737	465.6668	457.1992	100.6741	99.09	421.2075	412.278	416.989	410.0483	379.9589	373.3547	322.3901	313.0932	215.1596	211.0372	206.6543	202.403
20.11.2014	188.1263	186.3139	169.2148	167.096	211.7077	210.2163	176.8184	176.8184	459.856	455.3994	100.8257	98.9889	413.445	409.7412	413.3287	406.768	375.3885	367.3675	317.1606	310.2847	215.6915	210.5053	204.4362	198.1516
19.11.2014	188.0943	186.7181	168.9032	166.7636	211.8568	209.1723	181.0418	181.0418	461.1244	454.011	101.0448	99.2754	414.003	408.9295	415.1243	405.9392	372.1892	356.947	320.7438	308.5415	212.367	208.1117	203.6969	198.7061
18.11.2014	187.6796	186.9069	168.924	166.6805	212.8262	208.874	178.6016	178.6016	460.9188	454.6109	100.9774	99.2922	414.8148	407.3567	415.9876	408.9434	362.6143	354.9589	318.4195	311.9892	211.0372	208.2447	204.8059	201.8484
17.11.2014	187.6797	186.6138	169.9003	167.7815	211.2603	208.1283	178.7893	178.7893	461.4844	458.1419	100.4887	99.2754	414.9163	410.9082	411.9475	408.1492	360.8318	355.553	318.129	311.2531	212.5	208.3777	209.5194	204.3438
16.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.11.2014	186.8253	185.6661	171.3336	167.5114	210.962	207.5317	181.2764	181.2764	461.4158	453.9595	100.573	99.0057	414.206	406.9001	412.0856	396.029	357.1755	350.4113	318.129	296.4362	213.8298	209.4415	209.7967	203.9741
13.11.2014	186.3546	184.731	172.7254	169.5887	213.7957	207.3826	177.1469	177.1469	461.9129	453.1196	102.4267	98.7024	416.0325	407.103	403.3149	398.5152	360.032	350	306.3142	302.2468	217.5532	211.9681	206.0074	200
12.11.2014	184.7766	182.7212	173.1699	169.8047	217.6883	212.7815	175.1572	175.1572	462.1118	458.4093	105.0286	101.9279	416.55	411.8823	403.8743	399.7221	360.553	351.5951	306.043	302.0337	218.2181	213.9628	202.5508	194.9538
11.11.2014	184.0149	182.5438	170.7437	167.3785	218.1208	215.8389	172.6701	172.6701	460.7748	454.4669	106.4746	104.1658	414.3683	407.0624	404.9448	395.8564	353.1901	344.6207	308.0186	299.8838	217.4202	207.5798	195.6377	191.2754
10.11.2014	183.7998	182.6308	171.155	169.2646	218.3445	214.4817	171.7222	171.7222	463.0854	458.8001	109.4068	104.1389	415.2816	411.2735	405.5456	398.0456	352.8885	345.3473	307.3988	301.3752	209.5745	206.6489	195.0832	190.6285
09.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.11.2014	182.6622	180.5077	173.3735	171.2962	217.4944	213.9746	171.9287	171.9287	462.9277	457.7511	107.8362	105.1871	412.8666	405.9462	405.1865	390.8218	356.6453	349.5155	306.7403	291.4778	210.7713	205.8511	193.1978	189.8521
06.11.2014	181.5311	180.1984	173.3486	170.3573	216.0328	212.9008	172.0319	172.0319	459.5132	455.4337	106.724	105.3589	408.1177	399.8985	396.616	392.8177	353.5078	348.5032	299.0509	294.693	207.8457	205.0532	195.1941	192.329
05.11.2014	181.8072	180.0387	172.2476	168.7578	215.7345	213.4974	172.6889	172.6889	457.9362	450.7713	106.2858	104.5163	405.8853	396.0934	402.8315	392.7141	350.5256	339.808	309.1226	293.3172	210.3772	206.25	196.6728	191.7745
04.11.2014	182.2365	181.4234	173.8679	170.9597	215.8091	213.3482	170.9057	170.9057	465.0668	455.7936	108.426	105.7297	412.8361	403.9574	405.3177	401.7956	360.3748	346.8921	312.4153	308.0573	211.9681	208.2447	199.0758	195.5638
03.11.2014	182.265	180.0696	174.9065	170.7727	216.2565	213.1991	174.2374	174.2374	465.3925	460.8159	109.336	107.3475	411.517	404.8199	405.1105	402.5898	361.2888	355.0274	313.9647	307.7668	213.4309	211.5691	199.1682	194.732
02.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01.11.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.10.2014	182.7297	180.3015	172.7254	170.0997	219.6868	215.3617	174.2844	174.2844	468.2893	460.6102	109.2349	106.606	412.0244	404.9214	414.0884	400.9669	368.9899	356.787	318.0322	305.4426	217.0213	212.766	199.2606	193.4381
30.10.2014	182.7869	180.7741	170.6689	167.7192	220.1342	217.5242	174.9413	174.9413	469.9006	460.6445	111.2235	108.426	413.5972	405.6824	419.1644	412.8798	361.0375	349.8628	334.3792	316.3858	217.5532	214.7606	201.5712	197.0425
29.10.2014	183.1296	180.7864	170.6897	166.6182	219.3885	216.2565	177.8038	177.8038	471.2033	465.8382	111.2066	108.1901	414.6626	410.1979	424.8273	419.6133	362.7971	351.9424	335.2702	331.7838	218.0851	214.4947	199.6303	195.9335
28.10.2014	182.9292	181.5586	167.4076	165.6834	221.4765	217.3751	177.1938	177.1938	468.4607	463.627	108.6957	106.6903	414.9163	408.2192	426.5884	423.4116	356.9013	335.2148	336.7228	332.1712	215.4255	212.1011	197.0425	193.7153
27.10.2014	183.4466	181.6141	165.7665	163.3776	227.9642	220.5817	176.8184	176.8184	465.0668	458.7933	108.2744	106.7577	409.4368	402.3846	425.3453	423.895	342.5046	335.4205	333.6239	331.687	217.8191	211.7021	194.6396	188.7246
26.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.10.2014	184.7214	181.0453	166.3482	163.4607	233.3333	226.4728	176.8653	176.8653	462.8557	458.8961	108.9653	105.8645	411.517	403.6022	426.174	424.413	348.0576	341.7733	336.0449	331.8807	219.2819	214.8936	199.353	191.22
23.10.2014	184.5296	182.4911	168.5085	166.0781	236.4653	228.9336	177.6631	177.6631	461.2959	456.1022	106.6734	104.4489	414.2567	408.0162	430.076	423.5497	350.8227	342.5388	334.0112	329.9438	220.6117	214.4947	196.1183	192.0518
22.10.2014	183.2427	181.4333	168.5085	165.1018	232.4385	230.5742	179.1647	179.1647	461.1416	455.6565	106.8588	105.2073	416.7428	409.8427	431.5262	428.7638	352.0224	346.5608	339.8993	331.9775	221.8085	218.617	195.2865	190.7579
21.10.2014	184.7188	181.2277	166.4728	162.7129	233.3333	230.1268	180.1032	180.1032	459.1018	450.9427	107.1621	104.6512	412.3795	403.5008	433.4945	430.2486	351.8282	344.0356	341.8555	336.2386	222.4734	217.6862	193.6229	189.7412
20.10.2014	183.0521	179.9156	165.4965	163.3984	233.557	229.0082	185.359	185.359	456.2564	449.6058	106.4206	104.8871	413.1405	407.4074	431.2155	426.7265	360.3062	347.2121	339.3376	335.0765	224.4681	220.7447	190.7579	187.5231
19.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.10.2014	180.6338	178.903	164.2916	158.7661	234.0045	230.1268	195.6828	195.6828	456.325	448.783	108.089	106.1004	411.6692	400.2029	428.8674	425.4144	362.5	352.9022	337.73	333.6239	222.4734	218.484	192.976	189.6488
16.10.2014	180.6604	177.3024	160.241	157.312	235.123	228.4862	202.7217	202.7217	459.0333	449.023	108.1732	106.9936	407.4074	397.1588	429.7997	426.7956	361.6773	350.0457	339.0471	333.2365	222.0745	216.6223	191.4972	185.9519
15.10.2014	179.8206	176.9202	161.9443	159.0777	236.8382	231.3199	201.9709	201.9709	467.0381	455.5537	108.3586	106.6734	417.8082	405.0228	431.5608	422.0304	376.3483	358.8665	344.7608	330.1375	225.5319	218.2181	190.573	185.3974
14.10.2014	182.4038	179.1046	162.2351	160.8434	233.3333	225.3542	202.9094	202.9094	468.9064	461.0902	110.6336	107.9879	421.106	415.1192	427.6243	425.2417	379.5018	370.2697	340.2092	335.6576	224.0691	220.3457	188.3549	184.2884
13.10.2014	183.0251	180.702	161.8197	159.8671	239.2245	227.8151	204.3641	204.3641	462.53	458.5876	110.2292	108.0216	423.034	417.8082	427.237	421.8577	379.9817	373.8117	340.6934	334.786	222.3404	219.6809	187.1534	183.1793
12.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.10.2014	181.6652	179.9448	161.7075	158.924	236.3908	227.9642	205.3027	205.3027	460.8193	454.6315	110.2797	107.516	422.9224	415.8194	423.2044	420.5456	380.9689	373.1764	336.9165	333.3333	222.7394	219.6809	187.9852	180.5915
09.10.2014	180.7159	180.8354	162.9456	160.2451	228.6353	226.5474	201.267	201.267	480.8948	456.2633	109.2012	106.4375	426.7275	420.3349	425.9323	416.4365	384.2779	377.8108	343.1145	336.1418	228.5904	221.0106	187.7079	181.8854
08.10.2014	184.8992	183.1114	161.9776	159.3187	229.0082	226.3236	198.5922	198.5922	461.3781	455.396	109.9259	108.5608	425.6722	419.4825	421.5816	416.2293	386.6682	376.042	338.1755	330.3312	226.4628	222.0745	189.1867	185.5823
07.10.2014	185.0483	182.5265	161.9028	158.3299	229.6793	227.1439	202.3463	202.3463	462.2352	458.2756	110.027	108.2406	429.1527	423.2369	418.8881	415.5041	387.7011	378.5832	341.0808	331.2028	227.6596	224.734	188.3549	181.4233
06.10.2014	183.1326	181.6199	159.4931	157.7067	230.8725	227.8896	193.8057	193.8057	462.0672	456.7364	109.3866	105.2747	426.3825	419.7362	417.4033	409.9102	383.6037	375.1942	335.2702	324.3269	225.9309	218.617	182.902	179.5749
05.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.10.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.10.2014	183.9501	181.8004	158.8076	155.8579	232.5876	227.5168	192.8672	192.8672	458.7247	454.131	105.6791	104.0613	423.998	419.9899	419.1989	411.0152	380.0274	365.3794	332.2681	323.7459	219.2819	212.766	180.7763	176.8022
02.10.2014	183.0901	181.3394	159.3893	155.8164	236.5399	229.7539	188.0807	188.0807	461.5872	454.1138	105.1904	103.2187	427.448	419.7869	422.2028	417.576	371.5722	364.7852	335.8512	328.007	216.0904	211.8351	181.0536	177.0795
01.10.2014	182.113	179.001	161.9028	158.5584	246.085	234.8993	181.4641	181.4641	462.8557	456.7021	105.0388	103.0502	425.4186	418.6707	421.1671	416.1948	372.0521	361.9744	337.6913	326.9417	218.75	211.8351	178.6506	173.6599
30.09.2014	180.7055	178.8787	163.3776	160.8849	248.0984	245.4139	177.1	177.1	464.6897	457.182	104.4826	102.8817	427.9554	421.309	421.4779	416.1257	383.8208	371.1609	340.4029	326.4575	225.266	218.0851	178.0037	173.0129
29.09.2014	180.6839	176.6633	162.4844	160.0332	248.7696	244.9664	173.8151	173.8151	465.7868	458.5533	105.9488	103.4715	424.9619	416.7428	422.5483	419.8204	387.3857	377.5137	341.4681	337.5944	224.6011	216.7553	178.281	174.6765
28.09.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

25.07.2014	173.9731	172.2112	169.2979	165.538	238.9262	237.5093	165.9784	165.9784	493.6921	488.1899	111.9649	108.7631	461.6438	453.1202	450.8633	446.4779	442.7331	434.8035	399.8644	395.6033	228.9894	225.7979	199.0758	194.6396
24.07.2014	174.0089	170.4195	169.4848	167.1583	240.7159	237.5093	165.0868	165.0868	491.8409	484.6418	114.9983	110.6842	453.6783	447.0827	451.1395	445.3039	439.968	434.8035	405.675	394.2475	230.3191	225.266	200.1848	194.4547
23.07.2014	173.5061	170.4023	169.838	166.8052	238.9262	233.3333	156.7809	156.7809	484.7686	481.1964	115.2679	113.8355	450.279	443.3283	453.4876	450.7597	435.9461	432.5183	408.5803	405.7718	229.1223	225	196.3031	193.2532
22.07.2014	172.1516	169.1111	170.4819	167.5945	234.0045	232.2893	156.3585	156.3585	487.0072	482.6877	115.5039	114.0715	452.5622	446.1187	454.6616	450.4144	438.2313	429.6618	408.9677	403.0602	230.4521	225.7979	198.4288	193.8078
21.07.2014	169.4416	167.7058	167.7815	163.897	233.4079	229.0082	158.3763	158.3763	482.7391	477.9911	114.8298	113.5827	448.8584	440.7407	455.9392	452.6934	431.2957	421.6065	409.9361	404.5322	231.7819	225.6649	196.7652	193.6229
20.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.07.2014	168.5211	166.6369	165.3303	163.5854	230.7233	228.4862	153.2614	153.2614	484.4875	477.3397	114.5602	113.3805	444.9721	438.3562	455.4903	451.3467	438.3227	423.1718	410.3235	402.6729	228.1915	225	205.4529	196.3031
17.07.2014	167.7207	165.0667	165.538	163.3984	230.2013	227.9642	151.3843	151.3843	485.4302	482.1392	114.6444	113.33	445.9158	441.654	457.7693	449.2058	440.6079	435.4662	412.3572	402.2855	227.3936	224.4681	206.9316	196.2107
16.07.2014	165.7335	164.6109	165.2264	162.6714	231.9165	227.5913	151.619	151.619	489.9897	483.8533	116.4644	113.5827	449.8732	443.2268	450.7942	447.8936	442.9159	437.5914	404.5904	399.7676	230.1862	226.3298	201.2939	198.1516
15.07.2014	166.146	164.725	163.1699	160.4071	233.2588	229.9031	150.0235	150.0235	490.5725	485.7731	115.6892	113.785	448.2496	443.7341	454.3508	447.0304	442.9388	438.4141	408.9677	401.6076	229.7872	228.0585	199.4455	196.2107
14.07.2014	166.0095	163.9671	162.2351	160.1163	230.7233	229.3811	151.1028	151.1028	492.2352	488.6699	116.1105	114.3411	449.6195	444.9518	462.4309	450.6906	445.7952	437.6143	416.134	404.9003	230.4521	226.9947	199.0758	193.8078
13.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.07.2014	165.4065	162.6846	161.0636	159.1234	230.7233	228.7845	149.7888	149.7888	491.9883	488.0459	116.4307	113.1614	447.2552	441.8772	463.0525	461.3052	443.5969	435.6444	417.6835	414.8751	229.9202	226.1968	203.2348	194.085
10.07.2014	167.1163	163.5435	160.9763	157.9435	230.4251	227.8151	152.7921	152.7921	491.8684	486.0405	117.6104	115.4365	445.1446	437.9401	465.076	458.453	445.9826	434.0539	418.9425	408.0573	231.7819	228.0585	205.5453	201.9409
09.07.2014	170.5821	165.622	162.285	159.9585	232.513	228.9336	161.0511	161.0511	492.0843	487.902	119.1102	117.1385	448.5743	440.7103	458.7776	454.7583	452.9205	442.3172	411.3887	406.9921	235.6383	229.7872	206.1922	202.4954
08.07.2014	169.997	167.8475	161.155	158.4961	233.2588	230.2759	159.5964	159.5964	494.4121	488.0014	120.5595	117.6946	448.2496	440.9944	457.8246	453.9365	451.7002	439.1545	411.4856	405.8687	235.6383	231.516	207.3937	205.1756
07.07.2014	170.8784	168.7099	160.1579	157.9767	231.6182	230.0522	155.9362	155.9362	492.5951	486.0644	121.4358	117.998	444.6474	438.0518	456.0083	453.2113	453.4278	435.6833	408.9677	404.2224	236.8351	230.984	214.2329	205.6377
06.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.07.2014	169.7849	166.7067	160.5733	158.7661	234.5265	231.0216	161.0981	161.0981	493.2808	487.9328	122.329	120.5258	450.1268	442.0091	457.7693	452.5898	456.0558	447.8291	410.9045	404.3192	238.4309	235.7713	214.695	211.4603
02.07.2014	167.744	165.5611	159.4101	155.214	233.8553	229.8285	160.3473	160.3473	490.6754	478.471	123.3064	121.9751	446.5753	434.0944	460.1174	456.5608	450.777	430.553	413.2287	406.1592	238.6968	234.7074	213.1238	210.3512
01.07.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02.06.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01.06.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03.05.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01.05.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05.04.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01.04.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.03.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29.03.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.03.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22.03.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.03.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

07.02.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06.02.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.02.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04.02.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03.02.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02.02.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
01.02.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
31.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
25.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
24.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
19.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
18.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
17.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
11.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
03.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02.01.2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01.01.2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
31.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
28.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
27.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
24.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
21.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
20.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
14.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
13.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02.12.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01.12.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
29.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
27.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
23.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
22.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
16.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
15.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02.11.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
01.11.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
25.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
19.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
18.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
11.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
05.10.2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01.10.2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DJZIHi	DJZILo	DJLHHi	DJLHLo	DJNGHi	DJNGLo	DJPEHi	DJPELo	DJSOHi	DJSOLo	SEFPHi	SEFPLo	SEECHi	SEECLo	SEFLHi	SEFLLo	SEUTHi	SEUTLo	SETRHi	SETRLo	SEMOHi	SEMOLo	SEOGHi	SEOGLo	SEOEHi
297.3489	290.8802	130.5476	127.3199	154.5405	151.5498	96.878	95.3915	173.911	172.3011	318.82	310.81	400.4	397.02	140.41	138.88	262.17	260.16	258.17	254.46	711.98	699.98	367.67	365.48	533.3
293.4783	290.7741	128.1844	125.072	152.2023	148.6134	96.869	94.557	174.8106	173.0587	323.98	319.86	401.2	398.78	140.24	140.02	265.83	263.21	256.61	254.4	711.65	704.42	369.2	366.44	533.76
293.2131	287.6988	128.4726	124.2651	154.9212	151.6041	95.0067	93.2482	175.1894	172.7746	324.63	318.88	399.56	396.81	140.96	140.31	266.19	262.74	257.37	255	713.82	707.86	369.31	363.95	537.58
292.3648	288.9714	124.2651	121.6138	153.0723	149.6465	97.3637	93.4682	176.9413	174.9527	321.58	316.73	400.55	396.79	142.22	142.22	265.13	262.76	257.83	255.79	723.51	714.91	370.73	366.27	534.47
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
290.8802	283.9343	127.8386	127.3199	148.9396	146.7102	97.7645	96.4406	175.7576	174.4318	317.46	312.09	399.41	396.64	143	142.39	264.35	261.58	257.41	255.25	723.79	718.12	370.06	365.55	535.63
287.9639	284.0933	128.9914	122.1326	148.3415	145.1332	97.1667	96.185	176.089	173.0587	316.97	310.23	401.25	395.86	142.98	141.23	266.41	260.44	256.6	254.28	720.38	708.58	369.23	366.54	538.45
288.9714	283.6161	122.1326	120.4611	147.7977	145.1332	97.1759	94.5645	173.9583	171.7803	316.73	311.56	402.01	396.94	142.17	141.46	265.67	263.62	257.09	254.5	718.66	711.06	369.8	365.71	537.76
284.1994	279.6925	130.317	130.317	146.7645	143.5563	95.845	94.5549	175.1894	172.1117	317.61	312.86	399	395.99	141.92	141.07	264.28	262.12	254.29	252.47	716.57	708.79	367.77	365.19	536.56
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	318.55	315.56	399.17	397.56	141.43	139.81	262.6	260.72	255.25	252.74	712.87	705.77	368.48	365.63	536.65
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
283.0329	274.2842	137.2334	134.121	144.4263	140.8374	95.2473	92.7974	174.9053	173.3902	317.88	310.99	399.12	396	139.76	137.66	261.97	260.57	255.44	249.39	706.74	696.44	369.72	364.05	533.6
280.0106	273.4358	135.3314	134.8703	144.1544	141.8706	93.2481	91.1038	176.5625	173.7216	315.81	311.39	401.59	397.79	137.51	137.09	263.74	260.9	251.48	249.6	704.98	693.22	367.96	363.1	524.36
278.3139	275.0265	137.8098	137.5793	147.0908	141.5443	92.4964	90.2195	176.8939	175.7576	315.39	312.7	399.9	396.47	138.34	137.38	262.31	260.4	251.29	248.9	704.18	697.05	369.61	366.61	520.96
281.315	276.4899	139.0778	136.196	147.1778	143.0995	91.4158	88.8569	176.3163	173.5606	314.38	310.76	401.5	398.4	137.61	137.46	262.76	261.22	250.97	248.23	706.71	698.01	369.17	365.75	514.62
287.2322	279.7031	136.196	133.5447	148.733	141.1419	89.5128	87.4128	175.5966	172.7367	312.6	308.36	399.63	396.34	138.13	137.55	261.54	259.35	248.66	245.44	702.41	697.45	368.68	363.29	507.81
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
290.0848	283.8812	134.6974	134.5821	141.6857	139.4236	89.4929	87.7907	174.9242	173.0492	314.42	306.78	398.89	395.34	137.4	136.71	260.96	258.8	248.19	244.87	699.19	691.7	365.28	361.97	507.47
292.0361	287.9533	137.4063	136.7147	146.199	138.9125	90.4545	87.0079	175.1042	172.983	320.5	313.4	401.39	398.25	139.08	138.81	261.85	260.01	251.3	247.98	706.72	696.48	370.09	364.24	533.42
292.895	285.684	140.4035	140.1729	147.689	144.1544	90.2044	87.8087	174.6686	173.7689	321.67	318.86	402.27	399.72	141.67	141.35	263.7	260.78	253.02	251.68	716.02	708.46	369.84	365.36	537.29
299.7879	290.7741	142.0173	140.9798	147.1996	143.665	90.9421	88.8431	174.2898	173.0114	319.61	315.08	400.66	396.61	141.95	139.78	263.19	260.15	252.22	248.4	708.86	696.5	368.25	361.21	535.26
299.1516	294.5917	145.3602	137.5216	148.6134	144.5351	91.8876	88.2999	174.9527	173.3902	314.69	307.42	398.79	395.8	140.06	139.42	261.93	258.71	249.35	247.2	704.34	691.66	362.19	357.71	533.14
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
296.6066	288.0965	138.6167	137.9251	154.9212	148.6678	91.0795	87.663	176.3258	173.3428	311.2	303.11	401.36	394.23	140.79	139.72	261.68	258.67	250.2	248.15	703.21	695.53	357.98	354.45	526.11
291.8346	285.4189	138.8473	138.4438	158.6732	152.4198	90.7923	88.304	175.5208	173.0114	314.98	305.66	399.71	396.63	141.14	138.8	260.52	257.98	251.58	248.41	707.7	693.58	358.42	351.76	533.41
287.4867	282.4496	143.4582	142.8242	158.7276	155.1387	90.3544	87.8162	175	173.7216	312.29	305.88	397.75	394.44	141.22	139.73	259.94	257.09	250.12	248.68	701.13	691.04	350.78	345.62	522.44
287.8049	282.5027	144.2076	142.5937	158.8907	152.5285	88.9529	85.8192	174.858	173.6742	311.52	304.56	397.24	390.93	141.61	141.61	259.34	254.58	251.18	249.07	704.65	699.79	348.44	342.18	524.93
288.7063	284.4645	143.6888	141.6715	158.8907	155.193	88.6515	85.2995	175.2367	173.4375	310.06	305.09	392.6	390.31	142.04	141.67	255.38	254.26	252.68	250.32	708.39	698.04	348.11	341.77	522.57
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
286.1082	278.8441	143.2277	142.0749	167.9717	160.3589	89.1778	87.5322	175.2367	172.964	310.97	307.34	395.99	391.74	142.16	141.36	258.67	255.1	252.04	250.45	719.88	697.34	352.1	348.99	523.23
281.6013	276.5642	146.3977	146.2248	165.851	158.8907	88.5326	86.7283	174.1477	172.2538	308.31	303.25	393.64	390.17	141.68	140.8	256.38	253.47	250.22	248.21	729.88	710.32	349.31	343.72	517.04
280.3287	274.7084	149.5101	147.0893	166.5035	157.5313	89.2764	86.4291	173.911	172.2064	308.99	305.15	392.02	388.42	141.74	140.19	254.48	250.37	250.15	245.86	734.54	722.19	350.95	346.07	522.65
277.6246	271.8452	152.3919	150.7205	176.1283	161.6096	90.103	86.8429	174.1477	170.4545	311.19	306.96	390.21	387.83	141.28	140.76	251.9	250.23	247.91	246.2	732.21	724.9	352.78	348.5	526.95
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	308.97	305.25	390.79	388.49	141.97	140.8	252.89	249.93	248.51	247.07	733.76	723.45	355.95	354.15	528.83
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
276.087	269.4327	152.7954	148.9914	176.1283	165.416	90.2037	87.6941	174.2424	171.5436	306.66	301.78	394	390.05	142.6	140.35	254.01	250.84	247.27	244.11	736.15	723.9	356.89	350.59	530.18
270.9968	263.6797	148.9914	148.0692	179.7716	171.1256	87.9425	86.0392	172.6799	169.3655	303.6	295.49	389.35	385.54	141.32	139.85	250.38	247.72	243.88	241.19	725.84	719.24	349.98	345.87	522.82
266.4899	261.1082	150.0288	147.7233	185.2094	170.9081	88.0633	86.2287	170.4072	168.7973	301.65	292.56	388.04	386	140.4	139.54	249.48	247.85	243.6	237.91	727.6	720.28	352.56	346.7	524.25
265.0583	261.1665	154.3516	152.6225	183.4149	174.1164	87.3011	85.2349	171.9697	169.0341	294.18	289.87	388.33	384.58	140.12	139.34	248.57	245.82	242.04	235.99	734.12	717.98	351.92	347.92	523.24
265.6416	260.2333	154.0634	153.5447	179.0103	167.3736	87.5374	85.2349	172.5379	170.7386	288.79	285.31	387.24	383.39	140.67	140.29	247.04	244.59	239.53	237.6	734.94	725.92	350.2	344.41	520.22
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
265.2598	260.4878	153.1066	151.3084	161.9685	154.6601	89.5614	86.3835	172.7273	171.733	291.58	286.99	388.6	384.73	142.01	141.16	248.01	245.98	241.54	239.14	739.23	732.05	354.13	347.05	527.3
265.5037	257.9745	152.9452	151.5504	162.0772	156.3567	88.5773	86.5856	175.0473	171.5436	288.65	281.84	387.08	382.38	141.27	140.3	247.29	243.62	240.82	239.34	736.6	730.53	350.61	345.51	522.17
267.2747	262.7678	150.513	147.4352	161.2616	157.3029	88.0828	84.0384	175.4735	173.7689	288.09	281.23	385.85	382.34	140.69	140.45	245.99	243.99	241.88	240.39	745.68	730.36	351.1	348.13	526.93
267.5186	263.6479	145.902	144.7723	164.5459	159.0321	84.1559	81.6773	175.3314	173.2008	282.92	274.74	387.56	383.98	142.01	141.45	245.44	242.52	241.53	236.77	752.33	739.88	351.52	347.41	513.24
266.702	259.8091	142.7089	141.3256	162.7515	158.9995	84.0647	81.9068	175.6629	174.4318	279.43	273.45	385.27	383.08	144	143.43	243.94	242.14	236.44	233.89	756.58	747.17	350.84	344.08	500.24
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
262.1421	253.5525	142.8242	141.9597	165.5247	157.4769	83.2164	79.1051	174.6686	172.3958	275.39	264.74	385.43	381.69	143.88	142.69	243.79	240.68	234.86	228.55	753.7	742.85	350.02	343.64	491.1
257.8473	251.1135	143.2853	142.2478	163.6215	156.5525	80.443	77.08	172.964	171.2595	267.59	262.21	383	378.36	142.8	140.56	242.08	238.03	230.68	227.51	746.09	732.72	342.37	335.84	472.35
264.4221	254.3478	142.2478	140.5764	165.2529	158.0207	80.8219	75.2576	172.4432	169.2708	271.16	263.61	381.65	373.71	141.33	138.63	239.77	233.95	230.4	224.86	740.24	721.92	341.61	328.21	467.98
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
263.9449	259.8091	140.5764	139.8271	170.6362	159.8695	78.698	75.6765	170.8333	168.9394	268.33	266.85	379.72	376.43	140.76	140.51	237.87	236.27	228.79	227.85	735.15	732.75	338.72	335.89	462.51
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
268.5578	259.3319	139.8271	139.5965	192.8222	178.6297	78.1778	75.0714	170.4072	167.1402	269.03	265.14	377.47	372.75	140.54	138.22	236.69	231.87	228.26	225.11	735.44	719.28	336.71	328.31	460.36
269.6182	262.7784	139.6542	138.7896	192.8222	182.9255	78.7116	75.8988	168.3712	166.7614	270.82	263.32	384.11	369.97	138.46	137.11	239.76	230.26	229.37	223.51	737.64	711.69	335.76	324.17	459.79
263.4146	263.4146	139.1931	138.9049	192.7134	176.8896	78.2695	72.7161	170.7386	167.2344	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
267.3913	263.1495	139.0202	138.8473	204.3502	185.4269	78.585	73.4352	170.3598	168.9867	268.3	267.21	384.54	381.8	141.56	141.13	240.36	238.85	227.87	227.31	738.11	734.89	332.86	330.39	455.26
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
271.6331	264.4751	140.9222	140.6916	203.9152	191.7346	79.5744	76.5339	171.875	169.7443	268.36	263.87	383.83	379.2	143.01	141.12	241.5	238.66	228.77	225.52	747.03	734.32	332.26	327.3	460.15
272.6405	267.5504	143.804	142.4784	207.6128	191.7346	81.4598	78.3064	173.8636	171.6383	272.06	267.48	385.53	379.72	143.61	142.96	242.74	238.25	230.3	226.2	759.03	745.37	335.36	330.29	460.12
271.2089	267.7094	144.5533	143.4582	205.9271	189.0701	82.5892	79.5289	174.7159	172.7273	277.37	270.45	385.65	379.52	145.43	143.86	242.28	238.62	234.83	230.62	759.46	748.66	339.16	333.14	468.36
272.5345	266.3309	144.438	143.2277	203.4802	187.7651	84.4688	79.8988	175.1894	173.4848	274.05	266.96	384.09	379.22	143.9	143.9	246.5	239.44	237.45	234.46	760.5	746.7	342.08	335.14	467.02
272.9056	267.8155	147.147	145.3026	204.0783	186.7319	87.3916	84.8151	174.6686	173.0587	276.73	269.5	387.73	382.47	147.15	146.93	250.02	246.84	238.33	234.92	765.6	756.14	348.18	342.62	485.63
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
273.2768	267.0201	148.7032	148.6455	218.9777	204.0239	88.2782	86.0118	174.8106	173.0587	277.38	271.43	385.55	381.59	147.41	145.46	249.82	247.29	239.49	236.29	757.18	747.15	350.49	344.91	495.21
277.0414	271.8452	149.4524	147.781	227.515	215.3888	88.0522	84.9774	176.7519	173.911	283.12	274.01	385.28	377.63	147.42	147.28	251.3	247.68	242.7	240.24	767.6	752.69	349.52	343.01	501.89
277.1368	272.6829	151.4697	149.3948	233.888	218.3252	88.2332	86.2171	177.7273	175.303	285.14	275.55	379.08	371.4	148.08	146.6	248.34	242.38	240.64	237.42	763.76	753.6	349.95	344.81	499.22
279.0244	273.7222	150.317	149.7983	243.1648	232.0609	87.5236	85.2781	175.1799	173.0682	276.41	270.01	372.31	364.57	146.43	144.78	243.44	237.55	240.23	236.66	761.01	744.19	348.72	341.24	502.42
276.7232	273.4889	154.0634	153.7176	249.9946	236.4872	88.8556	85.8758	174.5549	173.0303	272.12	268.17	369.27	363.8	144.42	144.11	242.42	237.1	239.75	236.02	753.95	740.35	347.74	339.31	506.23
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
282.5557	276.193	156.4841	152.3919	247.2974	229.1136	91.0412	84.9267	174.3182	172.3201	279.72	272.01	370.51	366.51	147.32	146.8	244.28	240.68	244.86	241.67	763.79	751.58	354.86	342.25	516.84
280.3287	274.0191	154.2363	150.4323	243.9913	232.3002	88.7779	83.9989	173.0114	169.8864	285.59	280.07	371.75	365.22	146.38	145.99	244.28	240.18	245.93	241.06	763.6	748.2	353.67	339.45	517.23
280.1697	274.9735	156.196	150.2017	251.7673	239.478	90.5893	87.1321	173.5795	172.0644	287.77	283.1	373.64	368.48	150.02	148.13	246.19	242.64	249.33	245.86	771.54	759.02	359.63	354	526.16
280.965	274.6023	152.2767	151.0663	248.559	235.9434	90.9693	88.3042	172.9167	170.4072	296.48	288.86	372.98	369.96	149.97	149.8	247.05	244.09	253.49	249.79	777.8	769.38	363.09	359.93	543.72
279.9576	272.0042	154.2363	149.683	250.7885	230.9407	89.5831	86.2154	174.858	169.4602	299.24	294.14	374.34	369.8	150.18	149.78	248.36	245.32	256.99	253.38	784.01	772.2	366.47	356.43	544.04
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
272.1103	262.5133	155.7349	152.1037	258.2382	243.23	86.4772	83.18	169.7917	167.8977	290.08	286.2	370.8	366.27	151.25	149.06	245.73	244.35	255.46	251.16	780.21	771.05	355.66	351.82	525.09
265.4825	261.4528	155.2738	148.7032	255.5193	242.4144	86.8646	83.035	169.3655	167.1402	291.96	288.07	372.82	367.2	149.2	148.81	248.72	244.76	256.92	254.49	781.15	771.02	355.87	348.9	529.03
265.1113	258.9915	148.7032	147.3199	255.5193	238.9831	87.9455	84.6145	169.4129	165.3303	290.4	284.75	374.42	370.05	149.32	148.59	251.59	247.86	256.26	253.92	786.42	775.86	355.22	350.92	524.04
265.8537	258.8547	149.9712	148.0115	234.8559	225.2311	87.9775	84.7824	166.6193	162.5473	298.48	287.06	374.39	370.2	149.1	147.9	250.18	247.17	255.67	253.12	776.63	764.86	353.04	349	523.92
269.4592	261.1877	151.1239	149.7406	235.019	219.7934	87.8091	85.0243	167.2348	162.358	300.84	296.26	372.63	367.53	148.33	144.77	247.49	244.22	254.32	248.99	769.25	745.92	354.42	347.76	523.48
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
277.3595	266.0657	156.3689	152.5648	250.0272	231.2126	91.118	84.7092	167.4242	166.6667	299.99	293.23	367.42	365.09	144.2	143.01	244.48	242.47	248.7	245.62	744.41	734.41	356.85	343.83	516.08
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	305.28	298.45	368.37	363.87	143.4	143.38	247.62	244.23	246.62	243.14	747.35	734.48	359.05	355	521.06
275.0265	270.0954	152.5648	151.2392	264.3828	241.3812	93.1413	90.3483	168.3712	165.9091	305.77	300.74	370.34	365.88	145.02	143.47	249.9	247.63	245.49	243.12	749.31	736.25	358.63	351.85	521.81
277.9958	268.7699	154.755	154.2363	256.2262	232.0827	96.1426	89.4482	167.7557	164.9148	308.73	296.96	370.58	365.79	143.47	142.85	249.01	246.59	245.07	241.57	744.97	734.02	359.29	349.94	535.71
281.9724	275.8218	159.1354	153.8905	261.0658	233.3333	96.8354	93.6532	168.9867	165.0568	313.57	305.26	371.54	367.22	145.15	145.12	248.14	246.28	249.67	245.62	748.43	741.09	362.76	356.97	543.84
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
279.7455	271.9512	153.8905	146.9741	236.3241	213.6487	97.6952	94.7209	169.4602	166.9981	315.19	308.39	368.94	365.42	144.92	143.81	247.84	245.3	251.05	247.31	744.39	735.76	366.31	359.3	552.16
277.0944	266.1718	146.9741	143.6888	266.3404	214.7906	96.5947	94.5628	169.9337	167.3295	313.68	308.24	374.06	364.97	144.67	143.48	253.88	245.01	253.26	247.35	750.79	732.51	361.37	356.63	548.35
267.4973	262.3012	143.7464	142.4784	269.6574	222.2947	97.1894	93.5524	168.0398	166.3352	313.32	304.49	373.43	365.96	146.12	144.4	255.51	250.39	253.01	249.48	757.76	739.39	362.84	353.19	547.42
270.9438	263.5737	143.3429	141.8444	225.503	206.634	100.6196	94.4106	168.7027	166.1458	314.13	308	370.14	365.66	145.58	144.51	253.73	250.29	254.08	250.36	749.38	722.47	368.5	357.65	559.97
268.7805	262.842	139.5504	134.8703	212.311	202.3165	102.6374	100.6106	167.9924	166.572	321.42	311.12	368.15	365.78	144.61	144.49	252.79	250.6	256.4	250.99	724.84	716.03	374.77	368.15	573.62
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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270.2969	264.0403	133.7637	132.0115	207.9826	192.9853	101.6	99.133	168.3239	165.5303	326.62	318.69	368.08	364.5	145.03	144.43	253.32	248.39	255.3	251.99	726.05	716.4	369.66	363.92	573.98
269.3637	259.6182	132.3919	130.6859	194.2469	190.5166	104.4528	101.2258	167.2348	163.7311	330.66	326.39	369.4	365.88	146.07	144.43	252.38	249.91	258.09	254.76	734.07	724.61	376.12	369.94	579.32
269.2895	260.4878	130.6398	128.0231	193.7357	189.8858	105.1645	102.3557	168.2292	166.0985	328.33	323.95	366.68	360.81	144.53	142.82	250.42	245.97	258.69	255.44	732.92	720.66	379.07	370.93	584.45
272.0573	265.1644	124.7262	124.7262	194.671	191.1365	104.9001	102.0371	168.3712	166.3352	328.34	324.5	360.77	355.91	142.75	142.32	245.53	242.45	256.19	253.23	731.98	719.49	373.36	369.65	574.97
272.9586	266.649	131.6427	130.7781	194.0185	186.9494	105.9438	103.434	169.0814	166.9981	332.71	325.67	357.69	355.65	144.8	143.95	244.82	241.65	255.96	252.57	732.01	722.96	374.65	365.11	579.74
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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352.5981	347.4019	176.48	174.0058	150.2991	146.7102	104.0123	102.192	198.911	191.7614	353.01	347	358.13	354.13	145.843	145.29	248.08	244.98	290.95	288.2	789.41	780.12	338.88	334.38	507.8							
349.8409	346.0233	176.66	168.4726	148.1784	146.2751	103.783	101.7249	193.7973	192.2822	347.34	340.05	358.06	345.29	145.356	142.29	247.12	238.61	288.34	284.75	781.97	768.99	336.36	332.68	507.88							
351.8293	346.1029	170.66	170.0288	147.5802	144.4807	105.2539	103.4746	195.2652	192.661	351.13	346.44	347.12	343.57	143.856	142.84	239.55	238.04	290.37	287.81	782.43	771.41	339.45	335.39	520.81							
347.7731	336.3203	170.84	170.7205	145.6226	142.36	105.2311	103.2622	196.9697	194.1761	350.04	343.64	346.87	341.84	142.251	141.64	240.18	236.74	289.63	285.34	784.52	766.63	336.5	331.81	526.72							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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343.6373	336.6384	170.95	168.8761	144.9701	142.6319	104.3101	102.2217	195.8807	191.1932	347.63	338.47	346.21	340.39	143.42	142.5	239.77	236.3	288.39	284.5	786.13	770.48	333.84	327.92	527.53							
348.1177	337.7253	174.01	172.6801	146.6558	144.3719	103.7105	102.004	196.1174	193.608	353.39	345.01	349.8	342	143.796	142.88	240.62	237.13	293.26	289.03	788.25	770.91	337.12	330.56	540.42							
345.5461	337.6988	178.04	175.562	148.5046	145.0245	103.3477	100.7157	196.4489	194.1288	355.6	348.91	349.29	346.71	145.662	145.12	241.59	239.37	294.51	292.57	794.56	789.52	337.04	330.79	540.95							
345.8643	338.6532	176.95	175.6196	147.9065	145.4595	101.3058	98.6647	195.0284	193.6553	352.6	349.66	347.88	345.62	146.588	145.96	240.94	239.24	294.35	291.88	799.55	788.68	332.57	326.89	533.01							
347.0838	340.8802	177.12	176.83	148.6134	145.1876	99.1716	97.6854	198.7689	193.6553	352.2	348.35	350.53	346.72	148.705	148.33	243.41	240.22	294.9	291.96	807.04	795.66	333.27	327.2	537.53							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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347.3224	340.7476	182.42	179.366	148.0152	146.8189	99.0507	97.0765	198.8163	197.1117	353.12	348.22	352.05	349.64	150.015	148.63	244.28	242.24	296.46	294.3	808.29	798.82	335.12	329.35	539.49							
343.7434	339.6076	182.54	179.2507	150.8428	146.6558	97.7918	96.7269	198.0587	194.6496	348.43	343.68	350.91	348.16	148.578	148.33	244.22	241.6	296.57	294.77	804.46	797.44	331.31	329.26	538.76							
350.2916	340.456	180.63	177.5216	153.3442	148.8309	97.3945	95.8463	199.6212	195.3598	344.8	341.44	351.32	347.85	148.452	148.09	243.62	241.52	299.1	295.35	805.86	798.67	333.75	329.19	543.87							
349.2577	343.2927	178.62	177.5793	153.9424	152.0935	98.0584	95.6341	199.2424	197.1591	346.78	340.63	351.63	347.69	148.769	148.45	244.47	241.32	302.74	298.56	814.02	798.56	337.19	332.2	555.75							
349.5493	342.2322	173.31	172.0115	153.4312	148.7983	98.2865	95.8608	197.9167	195.4545	347.07	344.87	353.29	348.59	151.275	150.88	245.88	238.94	302.91	300.83	815.53	808.59	334.99	332.27	554.39							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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349.3213	337.7625	170.02	169.1297	150.745	149.1028	97.8955	95.4358	201.6572	196.8277	344.87	339.56	349.67	346.6	151.786	150.61	240.21	237.44	302.23	300.49	813.72	806.52	333.71	330.62	553.96							
348.6426	340.6893	166.33	163.5504	152.4415	149.516	97.0411	95.3263	202.5095	200.142	342.54	338.01	348.84	342.14	150.811	148.57	239.28	234.64	301.3	296.98	811.98	801.65	332.3	329.48	534.33							
352.5663	345.6098	161.29	158.6974	151.8869	149.5269	98.7085	95.9304	204.0246	201.6098	338.45	331.65	344.07	339.59	148.481	147.55	234.63	230.44	297.87	294.13	802.32	796.23	332.3	328.72	534.77							
354.7455	347.2694	157.23	157.1182	149.5378	146.9277	99.3537	98.012	204.1193	202.6989	337.04	332.29	343.45	339.93	148.524	147.66	232.8	230.63	298.14	295.74	806.71	797.67	334.88	331.74	538.01							
359.2789	347.3489	158.62	155.7925	147.6346	145.3507	98.8356	96.3012	204.3561	201.9886	330.77	325.98	341.94	334.22	147.356	145.44	230.57	225.22	295.42	291.42	796.94	779.61	330.84	326.16	523.46							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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364.0509	355.7264	155.79	154.2363	148.2871	146.112	96.9434	95.056	205.0189	201.4678	328.57	324.09	342.39	336.83	145.839	145.41	230.36	225.61	295.79	291.83	795.48	779.94	332.45	325.49	526.06							
369.088	357.9003	154.41	154.1787	148.2871	143.7738	97.8218	95.1666	202.2727	199.0057	335.44	328.19	346.44	341.83	147.969	147.12	233.13	230.61	301.12	296.94	807.97	794.28	336.51	331.7	529.11							
370.6787	366.1188	154.99	154.755	147.2539	144.6982	100.4724	97.5545	200.5682	198.1534	338.29	334.73	348.44	344.24	148.745	148.49	235.91	232.37	303.42	301.07	810.73	805.07	341.15	337.13	537.81							
376.6437	369.5387	161.27	160.9222	146.8733	143.3388	101.5153	99.7165	199.9527	197.6799	337.67	334.9	350.27	347.03	149.35	148.64	237.92	235.36	304.98	302.57	809.82	809.82	339.88	337.6	536.25							
377.3065	372.3224	161.27	161.2104	148.0152	143.8282	101.7979	100.076	200.6629	198.1061	338.44	335.92	350.02	347.03	150.231	149.52	238.72	236.01	304.95	303.24	822.53	814.1	339.53	337.11	545.41							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
375.4242	369.3266	164.55	163.4006	145.5139	142.1425	100.881	98.6918	199.0057	196.875	335.94	332.81	348.22	339.04	149.827	147.19	237.13	232	303.86	301.65	814.88	797.19	336.74	333.31	541.65							
376.14	365.1113	164.32	160.1729	146.3295	144.5895	99.8066	96.9133	198.5322	196.6856	336.28	331.98	341.47	336	146.908	144.37	233.01	227.87	302.31	299.58	800	787.76	334.69	329.7	536.19							
376.9353	373.1707	161.15	159.4236	146.8189	141.0005	98.0559	96.7211	198.6269	195.1231	338.62	332.95	343.4	337.39	145.43	145.18	228.95	227.21	304.06	300.99	809.35	800	334.83	331.73	524.04							
379.4274	375.6363	159.54	157.1182	145.5139	141.2724	98.8001	97.4501	198.8636	195.5492	334.53	329.82	345.45	342.26	145.381	144.54	229.23	227.19	304.95	302.73	804.85	799.64	334.51	331.82	526.88							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	332.04	328.77	345.86	342.2	144.32	143.81	229.16	226.94	306.88	303.57	807.33	798.69	333.58	331.53	523.44							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
381.2831	378.5525	157.12	156.8876	142.7406	140.7287	97.7409	96.2775	196.7803	194.0341	330.87	325.01	346.88	342.04	144.975	143.36	229.77	226.12	305.92	301.75	803.62	790.38	332.68	329.34	517.53							
381.4422	374.4433	160.75	160.5187	144.3176	140.348	97.218	94.4982	196.0701	194.4129	327.3	322.32	342.29	338.54	143.043	142.6	228.18	224.88	301.85	300.08	792.99	784.73	333.58	326.79	523.86							
378.7911	366.3839	162.88	159.2507	144.0457	140.8374	95.7868	92.3963	195.0758	192.5663	320.46	312.84	342.39	336.16	142.772	142.3	229.08	225.17	300.1	295.5	796.17	784.86	332.76	326.5	511.99							
368.7434	358.9343	160.06	159.8847	144.2632	140.2393	94.4196	92.5153	193.892	191.2405	317.58	315.1	338.65	334.96	142.174	142.08	227	224.62	299.12	296.53	797.39	787.71	332.8	330.38	518.78							
362.1633	358.0276	162.59	158.0403	142.534	139.1952	96.106	93.6958	191.7898	187.7652	318.88	313.8	339.94	335.23	144.05	142.24	228.88	226.04	299.54	295.57	802.94	787.63	334.48	327.25	522.97							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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363.2609	355.8378	158.73	158.6744	146.7428	140.4894	96.4547	92.3623	188.6553	186.7803	317.68	308.18	338.79	333.32	142.073	141.73	228.43	224.62	296.88	292.49	801.51	784.12	332.99	325.24	522.21							
364.0085	357.7519	160.12	158.5014	149.2768	145.7531	97.7187	96.0245	189.4034	186.0985	328.17	317.13	345.88	339.48	144.68	144.35	230.53	228.4	303.32	295.87	814.83	795.55	338.36	332.39	535.7							
372.4867	357.9056	159.6	158.8473	150.8646	146.025	100.8397	96.9699	188.6269	186.4583	329.82	321.44	346.74	339.72	146.955	144.16	231.92	227.8	303.95	298.04	821.26	804.38	339.91	330.9	549.35							
376.7497	366.6755	164.67	162.8242	151.441	146.6014	100.961	99.5072	186.7898	183.286	326.41	313.28	348.95	337.89	143.456	142.53	230.85	226.18	300.06	292.34	817.08	795.84	335.9	325.38	546.88							
376.9088	370.6522	169.05	166.6282	156.6069	148.7765	102.4938	100.6436	185.3693	183.6174	329.97	325.9	358.24	350.59	147.202	147.2	238.37	233.83	303.45	301.05	846.15	824.69	343.49	338.65	561.09							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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379.2683	370.1485	169.57	165.245	158.7819	154.5405	104.5431	101.6232	186.7898	185.0379	337.51	331.59	362.65	355.5	149.995	148.82	241.51	236.5	307.96	304.41	853.13	835.1	354.41	345.29	577.55							
379.3213	372.5345	167.9	166.513	161.9358	154.2686	103.9202	102.594	188.589	185.1326	339.29	332.69	368.62	361.32	152.358	152.08	246.26	241.11	311.7	307.29	870.75	843.97	357.77	350.52	571.58							
376.4051	371.2884	166.57	166.2248	173.7357	161.0114	102.6414	101.2653	189.7727	187.3106	334.56	329.13	365.09	362.94	152.963	152.78	242.67	241.41	311.39	309.61	870.46	862.22	356.63	353.41	568.28							
378.1018	371.2884	168.07	166.2824	177.1071	172.4307	103.6252	101.6693	190.2936	187.1686	337.02	330.38	365.5	362.02	153.221	153.22	243.11	241.22	312.76	309.75	875.15	864.32	359.7	355.37	576.94							
380.7529	369.6182	169.28	168.9914	173.2463	165.3072	105.1494	102.9576	189.1572	186.6477	339.27	335.84	369.31	365.93	155.036	154.69	245.16	242.94	315.26	313.51	878.68	872.94	363.79	361.26	592.28							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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370.0954	365.2174	170.14	168.9337	173.8445	167.3736	105.2013	103.6956	188.5417	186.3163	336.24	330.84	371.28	368.89	156.22	154.77	246.34	244.91	315.21	312.38	879.85	872.74	365.16	362.53	594.74							
369.7773	364.6872	170.2	170.0288	172.3219	166.0141	105.4316	104.1883	189.678	186.9318	335.81	331.52	372.43	366.96	154.993	154.85	248.38	244.05	316.73	312.69	887.37	871.18	366.96	363.22	603.39							
367.0467	359.1463	174.52	171.1816	170.31	165.2529	104.1354	102.7538	188.3996	185.6534	341.85	336.24	372.62	370.82	155.552	155.32	252.44	247.59	317.98	316.67	890.3	879.51	366.41	363.17	606.66							
364.1569	356.1506	175.56	171.3545	162.7515	156.2262	103.0692	101.4119	183.7121	181.9129	342.43	337.91	375.77	368.65	155.261	154.61	255.16	252.39	315.84	313.5	885.44	876.05	367.22	362.52	600.47							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	338.03	334.82	369.78	366.35	154.522	153.99	252.85	250.94	314.94	312.98	877.27	872.55	367.74	365.62	600							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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361.6649	358.0064	171.35	170.2017	162.9146	158.2926	102.4797	100.8249	181.9129	178.9299	336.02	333.46	367.35	365.39	154.636	153.77	253.1	251.15	316.22	314.41	878.22	872.78	368.27	363.69	597.57							
360.4083	354.1516	168.89	168.6801	160.783	153.2463	102.9602	101.3987	181.2973	179.7348	336.8	333.13	368.22	364.32	153.618	153.26	254.77	252.29	317.39	315.04	892.34	868.9	365.98	363.17	589.86							
357.2004	352.2163	171.7	169.8329	159.7716	153.4421	101.9594	100.9922	182.5284	180.2557	336.75	333.93	370.75	365.03	155.359	155.15	256.5	252.82	318.58	315.23	907.44	887.31	365.95	363.4	583.69							
361.4634	354.1729	172.02	170.8012	157.466	152.1914	101.3533	99.4323	183.3807	182.0549	337.24	333.04	374.45	368.97	157.669	156.1	260.95	255.96	320.37	318.64	910.42	904.45	365.38	362.84	586.3							
360.7423	355.5461	170.01	166.8127	155.3888	150.745	99.8582	99.008	183.9962	181.9129	334.93	332.64	375.06	372.11	156.414	155.84	259.96	258.74	318.82	315.83	904.97	898.03	363.66	361.5	583.82							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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359.6501	356.2036	164.67	163.4582	156.9875	149.3747	100.1986	98.8751	184.9905	183.2386	333.39	331.7	373.61	368.3	156.05	154.57	258.89	255.84	315.91	313.42	898.61	887.53	361.93	359.35	578.38							
357.7413	352.8632	164.55	163.2853	166.9386	154.5405	100.4595	99.4979	183.5227	181.6761	333.44	331.35	368.71	360.97	154.841	154.12	255.91	253.62	314.16	310.28	888.24	882	359.98	357.28	574.21							
356.4687	353.1283	163.8	161.8444	166.1773	160.9027	99.756	97.6976	183.7121	182.5284	331.86	329.37	360.73	357.9	154.329	153.82	254.75	252	310.44	307.85	887.47	879.73	356.33	352.14	563.91							
356.4687	350.2121	163.05	162.9395	168.298	159.5432	98.9382	97.5861	183.7121	181.5814	329.19	325.73	363.29	358.64	154.437	153.08	255.56	253.07	308.26	306.01	886.57	880.33	351.68	349.13	555.78							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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352.9692	348.9396	165.48	164.9568	163.5128	158.4557	98.5731	97.4071	182.3864	180.8712	329.64	327.12	363.56	361.66	153.398	153.07	255.5	254.53	309.13	307.52	886.4	882.29	352.66	350.58	554.8							
351.3256	346.0233	164.96	163.0548	160.087	148.559	97.5415	96.8929	183.286	180.8712	330.61	328.09	365.27	362.01	153.466	153.11	255.66	254.27	309.7	308.5	890.18	883.8	352.13	350.3	556.35							
347.667	343.6373	163.75	162.0749	149.6465	142.2512	97.5746	96.4331	184.8485	182.8598	330.23	327.01	368.23	363.41	154.589	154.3	257.1	254.39	309.4	307.52	893.72	886.81	353.68	351.4	556.17							
346.6596	346.6596	164.9	161.1527	150.4078	143.2844	97.7051	94.8286	184.4223	181.8655	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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346.9777	341.6755	161.33	157.7522	144.8613	140.5111	95.0848	94.0159	182.339	181.2973	329.89	326.84	367.91	364.74	154.834	154.3	256.07	254.21	308.96	306.97	894.76	888.41	351.78	350.16	551.71							
343.9555	339.9258	158.1	157.1758	144.5895	139.4236	94.7277	93.7551	183.2386	181.4867	330.2	324.9	367.04	363.9	155.452	153.42	255.49	253.97	308.62	307.17	890.12	878.27	351.3	345.42	544.91							
344.035	338.7328	157.64	154.2363	149.9728	142.2512	94.3185	93.3745	183.8068	182.5758	330.33	325.94	369.77	365.79	154.301	153.72	258.23	255.7	310.5	307.82	890.45	881.12	347.52	344.41	532.47							
339.8197	335.3659	154.24	154.0058	150.8972	146.6558	93.4419	92.5849	184.6591	182.9072	329.55	325.73	375.82	368.56	155.676	155.46	259.89	257.11	311.47	309.81	894.48	887.07	349.99	345.91	531.04							
341.7285	337.3807	155.39	155.2161	151.6041	143.2844	93.2807	92.1356	185.7955	183.3807	329.91	325.11	375.94	370.65	155.803	155.19	259.4	257	310.5	308	893.42	886.76	350.48	347.49	527.03							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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342.5239	336.8505	157.98	154.8703	149.3203	141.5987	92.9589	92.2316	186.2216	184.5643	323.28	320.11	372.6	368.18	155.07	154.22	258.49	255.05	307.87	306.05	892.94	880.9	349.29	346.76	514.32							
338.176	333.4571	155.91	152.7954	148.6678	144.6438	92.2992	90.7955	187.9261	185.1326	323.58	319.22	374.99	368.6	154.218	154.2	260.62	255.64	309.24	307.3	892.15	884.82	350.29	347.86	520.35							
336.4793	332.2375	154.01	152.9683	150.2447	145.1876	93.7276	91.4468	188.0682	186.9792	320.22	316.01	378.47	373.75	154.412	154.41	265.8	258.21	309.36	308.04	894.04	887.83	352.12	349.01	535.69							
336.5642	327.9745	153.37	153.2565	155.3779	146.3187	95.4366	92.4508	188.4943	186.4773	316.03	312.9	379.27	377.03	156.435	155.07	265.89	263.69	308.54	307.01	894.87	889.47	352.24	346.12	535.43							
333.5313	326.0551	154.52	154.2939	155.2909	152.3654	94.4621	92.4767	188.7879	187.2254	315.54	312.25	380.48	376.58	156.218	155.18	265.73	262.83	310.64	307.52	893.5	885.45	346.24	343.21	524.87							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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329.5917	323.3351	158.73	156.4265	153.714	150.3208	93.6144	91.4476	189.6402	187.6326	314.68	312.35	381.47	379.41	156.31	156.14	267.06	265.07	310.27	308.91	908.06	896.15	344.74	342.41	515.68							
329.9947	325.5408	157.87	157.1758	158.9125	150.3643	91.6233	90.1343	191.0701	187.6326	313.31	310.05	380.1	377.87	155.877	153.41	266.48	264.54	309.85	308.12	900.14	882.61	345.36	342.53	516.91							
331.7603	325.2386	158.96	158.8473	161.0114	156.8787	92.756	90.2749	192.0928	188.4943	311.37	310.14	379.29	374.91	153.934	152.31	265.46	262.76	309.9	307.28	888.75	876.97	346.02	343.58	526.36							
339.0244	328.8971	162.54	161.7291	163.0234	156.3893	93.308	91.8131	192.2348	188.9205	313.5	309.17	378.3	375.72	153.608	153.24	265.29	262.93	311.35	309.28	888.19	882.49	346.99	344.91	535.3							
344.8038	336.5854	165.24	160.6916	170.0381	160.9027	93.9595	92.2657	191.0038	188.3049	313.89	310.74	376.29	373.36	154.111	153.15	264.01	262.44	310.86	306.23	889.74	876.09	346.64	344.82	538.98							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N

349.0986	342.2057	143.4	141.8444	173.192	170.8537	85.0515	83.3931	191.8561	189.4886	309.22	306.83	374.88	372.04	164.493	163.92	269.28	267.38	299.65	298.38	874.46	868.21	335.16	333.24	528.24
347.72	339.4486	142.07	141.3833	172.1044	166.8298	84.0272	82.6409	190.8144	184.7064	309.01	305.34	373.6	371.41	164.187	163.79	267.79	266.38	299.89	298.17	871.21	863.36	333.76	331.26	532.11
350.3499	340.5408	144.09	141.902	168.4502	164.5677	84.2871	83.1625	184.8295	184.072	311.14	305.09	372.17	365.71	164.782	163.69	267.63	264.15	298.49	296.92	868	863.49	333.8	331.19	539.92
350.0636	341.527	141.9	140.5187	163.1539	160	83.9486	81.9853	185.9659	183.8163	312.07	310.59	366.53	363.78	163.679	163.37	265.55	263.85	296.77	294.27	866.56	859.18	333.27	330.61	538.86
348.7805	342.5239	140.52	139.7118	160.8918	157.7705	82.2518	81.1577	185.8333	183.6742	311.79	309.29	365.41	359.86	164.398	163.91	265.48	262.49	294.77	293.39	864.48	860.75	332.57	330.64	534.56
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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351.2301	343.9555	140.46	140.1153	160.5329	157.3138	84.4114	81.3462	184.7727	182.8883	315.55	309.24	362.19	359.06	164.124	163.7	263.82	261.63	296.28	293.63	865.51	857.63	334.56	330.59	540.12
351.7497	347.8791	144.78	142.3631	162.4796	158.1838	84.7693	82.5902	183.9015	181.392	313.67	311.71	363.93	356.95	164.385	162.07	265.36	262.38	296.93	294.48	864.14	856.5	334.73	331.47	539.9
351.4581	346.7126	142.71	142.536	161.8815	157.8032	83.2927	82.0698	182.1023	180.4451	312.27	308.1	363.44	355.97	162.402	162.27	266.26	261.22	298.69	295.26	868.47	858.87	334.14	331.5	537.14
349.5228	341.4634	143.11	141.6138	159.4889	156.77	83.3816	82.457	182.0549	180.3977	308.88	305.46	366.75	361.89	163.862	163.59	267.38	265.37	298.75	298.12	866.62	864.02	334.61	331.3	538.25
345.0954	334.8621	142.88	137.5216	164.0566	157.1506	84.724	82.4038	183.286	181.108	304.65	301.59	366.68	363.79	164.388	164.12	267.09	264.25	298.87	297.49	867.83	861.86	333.5	330.07	539.33
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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337.0626	333.1919	138.21	132.219	165.5247	162.6971	85.4065	84.3855	184.8485	180.9186	303.09	300.19	366.62	363.45	165.52	164.71	264.8	263.18	298.07	296.38	864.27	856.21	331.88	330.16	540.17
335.9491	328.8971	134.35	134.2363	167.3736	163.2409	86.5833	84.4274	182.9072	181.3447	301.62	298.72	368.32	363.73	165.158	165	263.76	261.59	297.76	295.78	863.58	855.38	332.27	328.55	544.44
334.1994	328.473	137.52	133.6023	167.8086	163.2953	86.4953	85.1471	183.428	181.4394	300.42	298.14	369.37	367.86	166.078	164.81	265.63	263.59	295.34	294.13	866.37	861.23	331.2	329.08	529.53
334.9947	329.2153	133.95	131.2968	164.4372	161.7183	87.0257	84.9634	184.517	182.2917	300.24	297.81	369.81	367.16	164.829	164.62	266.14	264.53	296.77	294.61	865.01	860.44	331.65	329.68	534.8
330.859	321.9512	132.39	129.3372	165.7966	161.9902	86.5692	83.5822	186.6951	183.9015	299.98	298.02	369.38	364.99	164.7	163.77	265.23	263.69	297.08	295.85	862.21	853.35	329.85	324.72	528.53
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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327.1209	318.3192	130.55	130.2594	165.1441	163.6215	84.0772	83.381	186.9318	183.5227	299.32	296.96	368.44	366.26	164.153	163.84	264.95	263.75	296.09	293.99	858.47	848.91	326.53	322.95	518.43
332.105	320.8112	133.26	133.1412	171.2344	163.2953	83.7871	82.8759	184.2803	182.3864	299.43	295.09	370.61	367.25	164.614	164.1	267.35	263.66	295.57	294.01	866.34	851.04	324.92	322.82	518.57
334.6129	327.1739	138.16	135.6196	174.1707	170.9081	83.967	82.4939	184.4697	182.7178	296.28	294.37	372.65	370.29	166.567	166.41	267.01	263.85	295.35	293.92	866.54	858.06	321.57	317.99	513.42
331.1241	324.7614	137.69	133.5447	174.7689	172.3763	83.4001	81.9308	184.0436	181.5341	296.99	294.25	371.64	369.22	166.577	165.71	265.27	263.18	295.32	294.51	864.11	845.74	319.14	315.5	511.57
329.7455	321.1559	133.83	132.6225	174.3339	169.5487	83.5964	81.887	184.9432	183.0966	297.13	293.51	374.03	369.95	167.027	166.02	267.84	264.05	295.15	293.32	853.61	846.85	318.23	315.6	510.5
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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322.7996	316.8611	134.81	129.5677	170.3643	166.8298	83.2388	81.8753	185.1326	183.2386	292.76	290.99	372.06	368.87	165.705	164.81	266.59	264.27	295.43	292.83	851.02	841.69	317.39	315.04	506.91
322.6405	315.1644	130.32	129.9135	171.7238	168.1892	83.4486	81.7142	185.2273	181.8655	293.5	291.05	372.8	368.42	165.45	164.94	266.41	264.84	295.44	294.25	850.78	844.41	318.64	315.26	505.67
325.4666	319.9523	132.18	131.0893	169.9402	166.199	82.1473	80.4608	182.4337	179.3087	296.3	293.24	375.03	372	165.765	164.57	269.12	265.97	295.59	294.11	851.97	845.33	316.08	311.52	495.3
327.9852	323.3192	133.81	133.5381	167.6563	161.8053	81.002	79.85	182.8598	177.8883	297.07	292.32	378.11	374.46	165.477	165.25	272.09	268.66	296.14	294.62	855.21	850.17	312.81	310.94	492.18
328.9449	320.9385	139.24	138.3516	162.0228	159.2605	80.806	79.1063	183.428	181.25	290.97	287.16	376.48	373.21	165.287	163.99	271.35	269.71	295.21	291.72	851.36	843.35	311.19	309.77	490.95
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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334.2789	320.5992	141.79	139.4813	162.5666	157.7162	82.2613	80.0819	184.9432	182.1023	286.43	284.3	373.24	369.42	163.498	162.83	269.57	267.24	291.19	289.65	841.73	837.04	310.61	308.45	493.2
333.0329	325.5567	141.67	141.3833	164.7091	161.5008	82.0717	81.2284	185.0852	182.9072	286.14	283.59	373.61	370.74	164.07	163.07	270.1	266.62	291.51	289.61	845.76	836.79	311.56	308.78	497.38
332.7678	324.9205	146.51	145.8213	164.7091	161.0114	81.7923	80.4418	184.9905	182.7652	285.48	282.85	372.08	366.65	163.732	162.82	267.79	263.9	291.13	289.29	845.38	835.12	309.72	305.71	497.95
340.8802	327.3595	146.97	141.6715	165.5247	161.2833	81.2854	78.9259	184.3277	180.3977	290.25	285.12	370.26	366.64	164.316	164.07	266.33	264.75	292.42	290.82	852.22	842.65	308.51	305.97	490.39
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	289.54	287.47	369.16	367.5	165.745	165.31	265.77	264.53	291.98	290.71	852.4	847.1	306.68	304.13	477.8
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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340.0848	332.2906	141.67	141.0375	167.863	163.0234	79.9078	78.7068	180.303	178.5985	291.84	288.5	369.75	367.42	166.723	166.68	267.35	265.5	294.03	292.69	857.77	850.94	307.1	304.76	475.46
335.1538	327.3065	141.56	141.3256	165.5791	158.1294	79.9	76.5231	179.6402	176.5625	288.64	287	367.58	366.01	167.337	165.91	265.82	263.8	292.83	290.06	856.26	847.86	305.73	302.12	470.76
333.9873	327.3065	141.44	138.732	161.8815	159.2713	77.8992	76.5607	178.1723	176.4205	285.39	280.93	366.39	363.9	165.973	165.11	263.91	261.77	290.02	287.99	849.56	841.75	303.71	300.91	465.86
331.4687	326.9088	138.85	137.9251	162.5884	160.1414	77.4845	76.4642	178.7405	176.9886	285.99	281.02	366.39	362.02	164.734	162.92	264.17	260.78	289.51	286.13	845.25	828.54	302.28	297.11	462.06
324.6288	324.6288	142.07	141.9597	163.0234	156.6069	78.5617	76.5802	180.0189	177.6515	293.42	286.31	368.8	366.64	165.953	165.61	265.52	263.8	291.63	290.39	850.27	845.3	304.65	303.06	468.38
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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332.7413	323.6214	145.42	144.7262	162.1533	158.5101	78.4286	77.2675	179.3561	178.4564	298.14	295.28	369.49	367.03	166.401	166.3	266.48	264.4	293.14	291.61	856.85	849.41	306.12	303.77	470.3
332.9799	328.2609	147.03	144.3804	163.8934	160.4133	78.6599	76.919	179.4981	177.2254	295.97	293.01	370.77	367	166.906	166.91	267	264.87	293.68	292.38	858.18	853.07	306.21	303.89	474.01
342.5504	327.2534	146.51	144.7262	162.3165	159.4345	78.3377	76.7186	179.3561	176.6572	295.78	293.84	371.08	366	166.914	166.68	266.56	264	294.45	292.29	861.84	852.72	304.62	302.69	471.35
338.4199	327.4496	147.26	146.0519	164.981	160.6308	77.7082	76.4868	178.5511	176.3731	294.34	291.27	370.76	368.61	168.027	167.48	265.95	264	294.48	292.14	861.26	856.1	304.75	302.33	474.86
337.3277	330.1697	149.11	148.1268	163.7847	157.9119	78.697	76.3426	177.7462	176.3258	292.9	290.56	370.38	367.87	167.381	167.12	265.17	263.09	292.74	291	860.16	853.21	303.26	300.84	474.55
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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334.0403	322.9056	152.45	150.8934	161.1746	158.8363	78.6549	75.9823	177.8409	176.089	292.88	290.99	370.57	367.87	167.929	167.21	266.15	264.68	291.51	290.13	861.15	854.67	303.88	301.37	473.84
333.7222	323.1177	154.29	153.2565	161.6096	157.5313	76.3485	74.9339	177.0833	175.3314	295.27	292.23	372.61	368.82	168.919	168.74	268.25	265.65	295.78	293.21	868.15	860.47	306.26	303.96	479.29
331.6013	312.6193	158.56	156.7723	161.0658	158.5644	77.2655	75.5424	175.7102	174.4318	293.47	290.36	369.64	366.4	170.107	169.63	266.37	264.73	297.38	292.02	871.51	867.09	308.47	305.18	485.47
314.1569	308.1654	162.59	159.4813	164.1321	161.0658	76.9581	75.7661	177.8883	174.7633	291.82	289.43	367.2	365.66	170.232	170.23	265.24	263.56	294.79	292.26	874.73	866.58	307.02	304.41	484.01
309.7296	306.8664	159.48	158.2133	165.1441	160.522	79.0636	76.7298	178.2197	176.2784	292.29	289.6	366.32	357.84	170.868	168.94	263.71	259.84	292.93	290.2	873.1	860.77	308.38	304.63	488.92
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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311.3203	306.1241	158.21	156.4265	164.2197	162.8059	78.7434	77.2693	179.2614	177.4621	290.28	286.33	361.01	356.81	168.37	168.15	261.63	259.34	290.81	287.16	871.04	858.54	310.28	305.92	497.55
313.4677	308.0594	156.71	155.9078	164.2523	157.8684	80.7468	78.1735	186.8845	177.7462	290.51	288.36	363.89	359.71	171.582	171.34	263.5	260.53	294.05	290.8	884.08	869.97	314.93	311.42	503.72
316.193	309.8303	157.35	156.1383	158.7493	153.9097	79.6142	78.4269	185.1799	183.1913	291.94	288.8	364.27	360.88	174.352	174.31	262.06	258.25	294.4	292.38	887.97	879.26	317.97	315.96	506.48
311.2407	302.6511	156.2	156.1383	154.7254	152.2023	79.8976	78.4656	185.5587	183.6174	293.05	290.11	365.46	362.85	176.643	175.51	260.66	258.64	295.86	293.33	887.16	877.95	318.75	316.31	504.09
305.8643	295.3128	157.06	153.6023	153.2463	150.9625	79.8409	78.1063	184.1856	181.9129	293.23	291.01	364.27	362.01	176.505	176.03	259.94	257.91	294.41	293.5	886.29	879.62	317.05	315.33	507.2
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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299.894	295.334	153.95	151.0086	152.2023	149.8097	79.8943	78.3166	182.6231	181.108	291.57	286.72	365.4	360.21	176.376	173.83	261.07	257.49	294.01	290.47	881.98	870.55	317.14	311.88	504.79
300.7158	295.2545	151.01	149.1066	154.7036	151.876	80.4277	78.9441	184.8958	180.9659	291.67	288	361.06	356.92	174.271	173.03	258.14	256.4	293.01	291.28	876.32	869.83	314.29	311.47	508.52
297.0042	291.4899	152.68	147.8386	154.2686	151.441	79.875	78.3357	185.7955	183.8068	294.79	290.38	359.37	357.09	174.241	173.85	258.81	256.73	293.59	292.31	876.41	867.56	314.26	310.05	515.76
296.5801	292.6564	148.47	148.0692	154.1599	150.1903	80.9386	77.9495	189.4413	183.7121	294.96	292.16	358.45	354.27	175.505	173.94	258.66	255.44	292.14	288.92	878.74	870.26	314.86	311.36	521.56
299.3902	293.929	152.22	152.0461	157.3138	151.3866	80.5859	79.2055	191.1932	188.3523	300.16	293.22	356.35	352.63	174.198	173.9	256.71	252.74	289.68	286.84	877.28	867.33	311.44	307.66	521.34
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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297.72	292.0467	153.31	153.0836	162.2077	159.652	79.7625	78.2384	193.0871	189.8201	302.41	298.74	356.75	351.99	173.997	173.68	256.45	252.15	287.84	285.66	875.21	867.34	308.74	305.1	521.69
300.2651	295.334	156.02	153.8905	162.5884	157.64	78.717	77.2642	191.714	189.1572	305.96	303.17	359.28	355.81	177.181	174.53	258.03	255.66	290.33	288.75	883.74	870.38	310.07	306.49	527.55
302.7041	296.5536	155.97	154.121	160.4676	156.8244	77.9566	76.6439	189.8674	186.4583	303.88	296.65	360.19	356.71	174.424	171.96	257.99	254.84	289.79	287.36	876.55	866.61	308.25	305.64	522.12
302.6246	294.1941	154.12	153.1988	159.5432	156.9875	76.6722	74.3258	195.9754	187.8788	308.38	295.71	361.06	356.34	172.218	171.93	256.53	254.36	289.05	287.38	876.6	867.47	305.99	301.78	512
296.527	290.3765	153.2	151.7579	159.9782	155.8456	74.6075	73.0545	191.714	189.1098	313.15	308.71	360.93	356.42	171.962	171.09	256.69	254.32	289.1	287.25	879.64	869.43	303.68	300.03	516.43
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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294.0615	288.8653	154.99	154.6974	164.7635	159.2713	75.8663	73.4299	194.5549	192.2822	314.54	309.78	364.77	360.19	171.533	171.01	258.4	255.52	292.41	287.31	894.69	875.44	309.46	302.02	525.02
292.2322	287.9374	156.43	156.3112	168.3524	163.5672	76.707	75.3613	195.3125	190.9564	317.57	312.95	367.44	362.49	172.857	172.15	260.17	256.37	296.02	291.19	889.79	878.12	310.71	305.95	532.75
296.2884	289.6076	158.62	155.562	167.6998	165.851	76.0428	74.1901	192.6136	188.7311	315.6	312.85	368.02	365.06	172.705	171.31	258.49	256.43	294.65	292.87	882.54	870.94	307.04	304.18	522.94
299.947	293.3722	156.48	155.2161	167.3736	163.5672	75.3211	73.6693	192.5189	189.2045	318.67	311.31	367.12	364.28	171.272	171.27	257.54	255.44	293.69	292.2	881.71	869.68	307.03	304.09	524.49
301.6967	294.7508	156.89	154.2363	164.981	161.5008	75.1033	73.9517	190.8144	188.2102	319.48	316.74	366.72	364.11	171.912	170.94	258.81	256.76	292.54	290.45	881.75	873.19	309.34	307.15	527.34
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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297.2959	291.8346	154.87	154.3516	162.2077	159.1082	74.8385	73.4158	190.2462	186.3636	319.02	315.7	366.16	363.66	170.821	170.41	258.34	256.36	291.34	289.77	876.82	870.25	309.31	305.92	523.52
301.7815	296.4793	165.91	165.6369	163.6107	159.6955	74.016	72.0146	194.839	186.8845	319.14	314.4	364.63	361.97	171.193	168.07	258.12	256.28	290.81	289.4	883.19	867.47	306.96	305.2	512.16
304.5493	298.5578	172.02	171.5389	165.0571	161.0767	74.3014	72.336	197.8693	193.9857	315.42	309.21	362.63	355.18	167.942	165.89	256.94	251.66	290.76	286.82	868.09	852.61	308.39	301.03	517.7
299.5917	293.07	177.57	177.245	165.7423	158.8363	72.7742	70.5254	198.2955	193.608	310.28	307.77	358.33	354.6	165.776	165.72	255.87	251.61	288.11	286.33	863.89	852.06	303.09	299.89	509.25
296.193	291.1029	183.49	183.1585	160.0544	156.0522	72.0492	70.2206	197.6799	194.5076	309.69	306.51	358.21	354.85	166.676	165.76	255.14	253.18	287.03	284.39	863.77	856.24	303.66	301.05	505.69
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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297.72	293.4783	191.87	190.4323	160.2501	154.8124	72.4744	70.2675	192.7557	188.589	308.3	305	355.03	352.7	166.791	165.96	254.37	251.79	284	282.63	857.38	852.64	303.17	300.41	510.52
297.4019	291.4104	190.55	189.7983	157.3138	155.1387	74.4869	72.6544	189.4886	186.553	312.95	306.78	353.37	350.8	166.743	165.98	253.76	249.6	286.66	282.92	865.21	854.72	306.35	303.02	519.27
297.6405	290.6151	194.99	194.121	164.2197	153.9967	75.3625	72.2639	188.7784	185.7481	312.13	308.73	356.98	354.63	167.388	167.39	254.04	252.5	287.46	286.11	862.31	855.64	310.23	304.85	526.23
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	309.76	307.21	361.29	358.55	168.305	167.89	255.67	253.91	287.29	285.74	864.09	859.08	311.27	308.62	529.01
297.8261	291.4104	194.58	192.5648	165.851	160.087	75.1226	73.3684	187.7841	182.6705	309.65	306.56	362.3	358.93	169.235	167.95	256.46	254.55	287.43	285.32	867.87	861	310.94	305.54	519.84
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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293.7699	289.6872	193.08	186.1671	165.9598	161.8271	73.6364	71.9223	181.4394	174.5265	306.21	301.72	362.85	358.76	167.578	167.21	257.95	254.27	286.99	283.52	870.1	859.31	307.6	303.87	510
293.8494	290.1379	186.17	183.2277	169.603	165.0897	72.8138	71.6623	177.2254	174.5739	312.25	301.22	367.54	359.97	168.381	167.7	261.52	255.05	288.7	284.34	879.75	863.38	312.75	307.54	513.77
293.3987	288.5207	183.23	180.9222	169.3855	166.0685	71.7441	70.0871	174.9527	173.6742	310.16	304.81	370.38	361.83	170.073	168.72	263.58	258.02	288.29	284.93	878.64	865.57	312.28	307.35	512.56
292.3648	286.7444	181.1	179.4236	167.6998	165.1985	71.1609	69.2857	175.142	173.4848	312.34	307.43	376.06	366.99	170.362	170.11	268.27	262.18	289.14	286.99	889.16	873.29	312.58	308.42	514.48
291.4634	284.9947	181.38	180.6916	165.9598	162.8059	69.7988	68.1637	173.911	172.3485	313.47	310.78	376.64	372.17	172.263	172.12	269.45	267.13	290.15	286.29	899.13	889.07	313.05	309.15	517.89
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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291.1188	284.0668	181.33	179.6542	161.0658	158.6732	69.1943	68.1

280.3552	276.2195	170.61	167.8963	179.3366	175.6389	78.6987	77.1629	181.5341	180.3977	307.61	304.42	347.29	345.24	175.409	174.64	256.06	253.75	278.64	277.07	856.4	844.15	323.1	320.88	624.62
279.5069	273.5154	167.9	163.1124	177.5421	174.3883	78.4676	76.557	182.0549	180.7292	313.16	306.5	348.67	344.62	177.216	176.92	257.2	254.42	277.55	274.67	865.38	855.51	325.46	319.78	642.91
279.0562	274.9205	163.11	162.8818	178.1403	171.8325	79.5014	77.9706	183.428	180.9186	312.39	309.23	347.82	345	178.577	178.34	256.44	255.02	275.72	274.16	864.44	856.98	327.22	323.12	643.36
278.0488	273.3828	165.59	160.2882	172.8657	169.9837	79.1724	77.9345	183.9489	182.6705	310.47	303.71	351.52	347.85	179.255	178.24	259.63	256.45	274.67	273.37	864.32	857.25	325.93	323.8	638.67
277.1739	272.1368	160.29	157.5216	175.2039	170.0924	79.9822	78.2626	184.1383	182.197	301.16	295.86	351.33	341.82	178.504	175.71	259.35	256.79	274.74	268.15	861.42	847.96	326.88	323.34	645.02
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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281.7073	273.6214	157.52	156.2536	178.1403	172.7026	81.0225	78.5346	182.2917	180.7765	295.84	293.33	343.9	339.23	174.573	173.9	257.06	254.07	269.47	267.7	849.72	845.18	323.42	320.49	643.38
279.3478	267.3648	158.33	158.098	179.7716	175.5302	81.5109	80.3165	183.0019	181.0606	292.79	289.56	347.08	342.39	175.028	174.04	257.07	254.95	270.68	268.29	850.56	844.73	323.32	320.66	647.05
272.9056	266.702	161.27	161.1527	180.0979	175.8021	83.8875	80.466	182.6705	180.4451	292.71	290.42	348.08	345.82	174.838	173.08	259.52	257.1	270.55	269.36	855.46	847.42	326.76	323.72	652.99
278.7116	266.5164	164.84	162.8242	177.7053	174.3339	84.3073	83.105	182.8598	179.9242	294.43	290.66	352.68	347.64	173.783	173.45	262.34	258.83	272.25	269.11	859.54	849.63	333.08	327	663.74
277.9692	277.9692	166.8	165.879	180.5873	176.509	84.9194	84.0455	184.1856	182.197	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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279.4804	272.6935	167.15	164.8991	180.3154	175.5302	85.1317	84.4361	183.7595	181.4394	293.75	290.14	354.28	350.99	175.5	175.26	263.06	261.17	271.98	270.87	860.14	852.4	337.1	332.94	670.03
276.0286	271.2036	166.63	165.8213	177.0962	173.8119	85.6706	84.2861	181.8277	179.9716	294.59	292.03	355.5	351.54	177.095	176.35	263.57	259.79	271.78	270.62	861.1	853.88	340.32	337.4	675.96
278.1018	270.4136	170.61	167.4352	180.0218	173.3551	84.9281	83.9169	180.2841	177.4432	293.74	291.45	353.95	351.36	176.739	175.59	260.88	258.81	271.68	268.58	859.49	850.77	338.58	334.91	671.83
284.369	276.2566	168.93	166.8012	180.6525	177.1833	84.5146	83.4115	180.5871	178.8352	293.25	291.25	354.84	351.25	176.721	175.84	261.58	259.69	270.93	269.62	857.01	849.87	338.11	335.27	668.13
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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291.6808	280.9703	167.78	166.8012	182.4144	177.727	84.349	82.1905	179.4318	177.9735	292.92	289.04	354.64	352.15	176.545	175.33	261.38	259.33	270.82	269.18	852.82	848.23	337.24	333.7	669.48
296.6331	286.877	169.91	166.0519	181.4029	175.9652	82.5733	81.2526	179.214	177.7462	292.73	288.36	354.82	350.43	177.153	175.52	260.76	257.8	271.21	268.65	857.49	851.44	335.1	329.11	665.4
296.8982	290.6416	166.05	165.3602	181.9467	176.944	82.8003	81.2807	179.6402	177.6042	291.75	290.06	351.93	349.56	177.053	176.79	259.12	256.64	270.86	269.68	864.55	860.23	336.43	331.15	664.36
291.0392	285.5249	165.94	165.8213	179.4997	169.7118	81.6133	79.5222	178.5511	177.4148	291.03	288.5	353.98	350.8	177.909	177.27	258.82	256.52	270.35	268.67	867.49	860.94	329.99	327.13	650.43
295.9703	286.1612	167.49	167.2046	176.1283	169.9293	80.9794	79.9617	179.7822	177.5095	290.47	288.53	355.71	352.77	178.68	178.68	260.99	257.95	271.18	269.28	876.37	866.95	332.19	326.69	658.57
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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303.8706	291.9406	170.26	168.8184	176.2371	172.05	80.8406	79.3318	183.0492	178.8352	289.13	286.56	354.54	349.64	179.583	177.87	259.87	255.46	270.19	267.85	873.46	861.65	330.55	328.38	654.33
305.912	300.2386	171.18	167.2046	175.9652	172.05	80.2768	78.6261	183.7121	182.0076	289.53	285.35	350.88	347.89	179.267	178.31	255.63	254.39	269.05	266.7	867.59	860.58	330.64	327.13	655.7
304.5069	297.508	167.72	166.6282	176.8896	171.8869	79.0724	77.4943	184.8485	183.2386	290.54	288.16	349.63	347.79	179.174	178.93	255.72	253.61	266.59	265.56	867.78	863.89	326.99	322.87	645.52
299.5758	291.1453	167.03	166.6859	173.3551	168.0805	78.197	76.619	184.9432	183.7595	290.13	286.63	350.09	347.46	179.982	178.86	256.15	254.05	266.32	265.08	866.72	858.88	323.71	320.25	634.79
299.8144	290.0583	169.51	169.2219	174.1707	169.8749	77.0091	75.452	185.322	183.3807	291.15	286.99	346.82	342.65	179.846	177.93	254.33	251.43	266	263.62	861.84	855.49	321.37	318.41	630.36
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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301.0074	296.5336	174.64	173.0259	171.8325	168.3524	76.8313	75.9888	187.6894	184.1383	293.53	291.46	345.15	343.8	179.597	179.3	254.44	252.22	266.65	264.89	865.36	859.11	324.82	320.77	633.89
303.3934	295.9703	178.9	170.951	170.5818	166.1773	77.2301	75.991	189.7727	187.5473	293.28	289.73	345.14	342.05	180.797	178.12	252.84	249.97	266.39	264.01	864.97	849.3	325.2	321.48	633.24
304.0297	297.0838	174.64	174.1787	171.3431	166.9386	77.0366	75.3735	190.0095	188.2576	289.85	286.19	343.82	340.67	179.432	177.52	251.12	248.61	265.01	262.68	852.97	847.72	324.89	320.66	626.8
306.018	298.1707	175.97	175.562	172.1588	168.1349	78.73	76.7333	190.8144	188.447	295.41	290.17	342.41	340.68	178.405	178.07	251.33	248.28	269.32	265.8	862.61	853.32	327.12	323.27	634.31
307.2641	302.8632	178.39	177.2911	169.8206	161.3377	78.3247	77.0205	191.0511	189.0625	295.54	293.77	340.97	339.61	179.774	179.7	248.69	247.52	268.68	267.28	864.59	854.99	326.29	323.66	629.15
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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306.4952	299.1251	178.27	177.8674	163.8934	160.1958	78.6777	77.7418	190.2462	188.3523	295.4	291.88	341.03	336.27	181.104	178.66	247.86	245.17	267.77	265.27	872.49	847.84	329.42	325.14	633.68
303.0753	297.508	181.38	180.5764	164.8722	160.8483	79.2866	77.6619	190.625	188.589	294.47	292.63	339.57	336.58	179.286	177.95	247.48	245.37	265.74	262.26	854.89	842.26	328.52	324.27	641.75
299.2577	291.0392	181.73	180.5764	166.5579	162.3165	78.5262	77.4885	190.8617	188.4943	290.75	288.53	337.3	335.07	177.336	176.39	246.59	243.69	262.26	260.38	842.85	838.7	324.68	321.08	636.84
292.4443	285.0742	182.54	180.5187	169.5487	162.2621	78.1921	75.9705	190.9091	187.8788	288.02	285.97	337.86	335.31	176.803	176.48	246.91	244.07	261.25	259.67	840.21	834.77	326.12	318.55	641.14
294.6978	286.5854	181.5	176.83	171.0169	167.3736	78.0928	77.0602	191.3352	190.0568	287.19	285.52	337.71	335.49	177.793	177.48	245.41	243.67	261.31	259.85	840.03	835.42	326.84	322.98	647.85
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291.018	283.3298	173.27	171.4006	167.7868	164.3502	80.0063	77.503	191.8087	190.0095	287.4	285.06	341.1	336.39	179.286	177.13	247.42	244.3	261.5	260.15	844.95	837.31	329.67	322.32	636.56
287.1103	280.1113	169.19	168.3573	164.4372	159.9347	81.1505	77.9184	193.7027	190.5777	287.93	284.15	341.09	337.92	177.007	175.18	246.84	244.12	260.16	258.88	841.3	832.75	326.76	316.86	635.8
287.7041	284.3637	165.96	165.1412	161.9358	155.6716	83.9115	80.1438	194.6496	192.9451	289.47	286.8	341.5	337.59	175.351	174.25	246.82	243.08	261.44	258.41	839.52	832.58	330.62	327.17	642.17
291.2036	283.9396	161.21	158.8127	158.6514	154.2577	84.9023	83.6165	197.3011	193.6553	290.3	287.33	341.11	339.06	175.497	175.21	248.72	245.96	261.91	260.93	837.11	831.46	331.29	329.62	643.39
296.5536	288.017	154.87	153.8905	160.522	157.0419	84.128	82.7467	198.5795	196.1648	289.94	287.32	341.66	338.93	175.448	175.11	249.27	247.46	262.5	260.15	837.95	832.82	331.23	328.16	643.97
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298.0382	292.895	153.89	153.6023	154.1599	151.1147	83.6054	82.5357	197.1591	194.839	292.01	289.46	342.03	339.26	175.538	174.95	250.75	247.59	262.84	261.16	845.17	837.2	332.64	330.58	652.96
304.4008	294.0615	157.41	157.3487	154.0511	148.6678	84.4894	82.5448	199.1951	195.5019	292.27	290.11	341.18	337.22	175.53	173.72	249.93	245.13	263.55	262.3	848.01	839.88	333.36	330.44	659.66
306.7869	298.0912	157.75	155.6772	153.5073	149.1572	85.5918	84.4487	199.2898	196.0701	289.99	284.98	339.53	337.87	174.669	173.01	245.86	244.61	263.8	260.72	849.79	841.17	332.53	327.05	645.73
300.8749	296.527	155.85	154.8703	151.6041	144.3176	85.3569	83.5646	200	193.5606	284.3	282.38	338.58	335.97	172.586	172.42	245.46	243.71	261.73	260.72	848.49	842.2	327.17	324.64	639.93
301.2195	296.2884	157.06	156.4841	151.5498	144.5895	85.9961	84.8635	194.8864	192.6136	284.88	282.81	337.34	334.65	173.071	172.63	245.01	242.48	260.83	259.31	852.24	841.58	327.52	325.44	638.15
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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301.0604	294.6978	156.83	152.9683	152.2023	148.5046	85.7739	84.5316	194.5549	193.1818	286.02	281.01	337.1	334.63	173.879	172.83	244.74	243	262.37	259.37	859.28	848.74	330.23	324.14	642
303.9767	294.3796	153.49	152.219	152.9092	147.0908	86.6043	84.6529	196.4962	193.3712	289.61	286.15	335.75	332.52	174.139	172.27	244.93	242.71	262.87	261.51	866.95	848.31	331.93	328.2	649.43
306.3892	300.1856	156.2	155.7349	149.6465	143.6107	85.8562	84.076	197.3958	195.6439	290	286.02	335.64	332.29	172.319	171.69	247.09	245.34	264.05	261.03	853.22	846.81	334.16	328.01	657.93
307.5292	297.5875	162.19	161.9597	160.4676	145.8401	86.5416	84.7534	199.7633	196.3542	289	285.49	334.81	332.05	171.942	171.6	245.55	243.26	262.87	260.7	847.43	835.69	333.55	325.29	654.74
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	287.19	285.87	333.29	331.69	171.953	171.38	243.31	241.79	262.6	261.36	839.73	824.94	327.76	325.27	651.39
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
304.2683	294.9364	163.17	160.9798	162.7515	160.2501	84.8266	83.797	200.142	197.3485	287.3	283.67	333.4	329.75	170.338	169.32	243.43	241.25	262.78	260.47	830.8	819.5	328.76	323.85	654.7
308.1654	300.4772	160.98	160.8646	166.5035	161.2833	85.3565	83.7919	203.267	199.5739	288.75	284.65	332.88	329.44	170.904	170.4	243.62	241.8	263.42	262.19	830.04	823.68	333.97	328.8	658.2
309.5175	303.526	163.17	162.9395	167.9717	163.404	85.321	84.2953	203.0303	199.053	285.67	281.57	334.51	330.27	170.354	169.61	244.53	241.57	263.15	261.92	826.45	820.5	337.67	334.19	661.02
313.9979	304.4539	164.38	160.6916	165.6335	162.5884	85.7046	84.3376	202.0833	199.5265	282.98	281.12	335.06	331.09	169.247	168.7	245.01	242.54	262	260.76	824.38	820	337	334.76	659.09
316.1188	308.8017	160.69	159.3084	167.4823	164.6547	86.1222	84.1855	203.1723	201.0417	283.12	280.83	334.13	331.22	168.688	168.02	243.93	241.75	262.07	258.81	827.67	821.42	337.45	333.64	656.89
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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311.6437	299.9788	163.86	162.9395	173.7575	167.1234	86.0818	84.2788	203.0492	200.0947	281.46	279.09	333.38	330.52	168.207	167.79	243.13	241.55	258.67	256.5	831.88	823.14	335.58	329.88	647.33
305.1326	299.1941	163.17	162.9971	175.4758	171.3866	84.4574	83.378	202.178	199.1383	278.77	275.47	333.05	330.45	169.599	167.88	243.6	241.02	257.03	253.75	829.12	816.27	332.3	327.43	640.87
302.2694	295.0583	165.36	164.3228	173.3116	167.9717	83.4869	81.5781	201.4867	197.7841	276.96	272.7	330.32	323.16	167.739	165.33	241.17	236.14	254.51	252.61	818.18	804.83	329.76	322.83	641.75
297.4284	292.2853	166.4	164.2075	172.2458	166.5797	83.5916	81.7344	197.9735	195.8428	275.94	272.28	323.77	319.69	166.303	166.13	236.58	234.21	255.02	253.6	810.62	804.09	332.62	328.17	644.19
296.5801	290.4295	164.21	161.4986	167.8086	163.5672	84.9633	82.9018	197.4432	194.3655	278.98	274.56	324.18	319.86	166.82	166.82	235.96	233.73	255.46	253.42	815.06	806.43	336.61	332.65	655.93
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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302.8102	292.4178	161.96	158.9049	173.9532	165.5247	84.9583	83.631	197.7273	194.4129	286.09	276.7	323.32	321.15	167.775	166.73	235.05	233.46	255.17	253.37	815.44	809.82	336	331.58	655.4
305.0901	301.0074	160.4	157.6369	174.4426	169.603	85.4781	83.7579	197.3011	195.3598	285.35	280.18	323.24	317.97	166.613	165.17	234.55	232	255.02	253.37	816.23	802.86	334.85	329.9	665.67
305.5143	301.0604	159.31	157.2911	175.5302	169.3855	84.6341	82.595	196.4962	192.6136	281.8	274.04	324.22	319.16	166.555	166.13	236.64	232.84	256.01	253.55	826.37	816.9	334.36	330.53	666.23
304.6925	294.088	159.65	157.2911	175.7477	169.2224	84.1062	81.9604	194.4129	193.0871	286.18	272.43	322.49	319.54	166.554	166.55	235.37	233.37	255.74	253.05	825.55	818.35	334.79	329.94	665.03
295.6522	291.1453	157.29	156.4265	181.5117	175.0952	83.4838	82.1025	198.7216	193.1345	293.33	288.53	325.33	320.31	166.821	166.45	236.58	233.89	257.3	254.1	836.88	823.76	336.77	330.9	693.45
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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294.2471	289.4221	157.46	154.4092	185.6987	177.1615	84.557	82.3135	199.2424	197.5852	294.01	291.88	328.09	325.01	167.941	167.08	237.27	235.7	258.46	256.42	830.3	821.24	341.41	337.42	698.46
301.6172	291.3309	154.99	154.8127	190.1033	181.9467	84.5925	82.7212	200.4735	198.0114	295.23	291.33	330.1	326.67	169.183	168.61	238.05	236.4	260.17	257.99	830.63	822.89	343.37	340.41	699.63
299.4433	293.2397	161.73	155.9078	183.0343	178.1947	82.7193	82.4083	200.7576	198.8636	295.46	292.94	331.73	328.47	168.774	167.99	238.97	236.84	259.02	256.23	828.4	820.17	343.91	340.26	694.74
299.7879	294.6978	155.91	155.7349	182.4905	177.1071	84.0545	82.9699	202.2727	199.1004	292.49	289.41	331.58	329.14	168.544	167.69	238.47	236.54	256.56	255.54	836.45	823.28	341.51	338.61	674.03
298.0647	291.3839	156.25	154.928	177.6509	172.3763	83.8303	82.3133	202.6042	199.858	291.43	288.74	332.05	329.17	176.624	176.17	238.06	236.3	256.51	255.19	843.91	835.1	341.76	337.1	675.62
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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293.982	287.1421	157.87	157.1758	182.708	174.1707	84.2471	81.9066	202.8409	200.8049	290.28	286.67	334.27	332.08	178.359	176.77	238.64	236.99	257.41	256.04	844.22	839.07	344.1	340.94	684.54
294.8834	289.21	159.02	157.3487	184.2306	176.7265	82.7226	81.5171	203.9773	202.036	287.67	284.67	333.52	330.18	176.679	175.17	238.83	236.44	257.15	255.58	844.81	833.45	344.87	339.05	682.41
294.088	287.2481	158.67	157.0605	186.2425	178.3034	84.3451	81.566	204.5455	201.2311	284.59	281.02	336.98	333.51	176.949	176.45	241.18	237.56	257.68	255.27	848.89	838.63	345.67	342.21	686.09
295.5992	282.7147	160.75	159.366	189.6683	182.2186	85.822	83.7372	203.6458	198.1534	282.83	280.05	334.87	331.94	177.545	175.55	239.85	236.88	257.67	255.89	847.42	834.5	345.63	342.95	689.96
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	284.85	282.43	334.45	332.23	177.538	177.3	238.51	236.41	258.84	257.14	850.91	844.34	346.7	344.16	692.96
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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296.1029	287.1421	160.52	158.2709	185.59	180.5329	84.8755	83.5807	199.3845	195.6439	285.32	282.58	335.42	333.07	179.356	178.12	238.19	235.49	259.54	258.12	857.7	850.94	349.31	346.97	699.29
292.3118	285.1538	158.69	156.7262	186.5797	175.0082	85.1665	83.1584	197.2064	190.5303	281.76	277.77	334.47	331.28	178.122	177	237.71	234.92	258.07	256.59	856.76	845.12	349.57	346.05	708.9
290.3234	284.0668	156.63	155.0778	181.9685	174.8668	83.8174	81.0105	192.5189	189.5833	278.9	275.74	332.37	328.26	178.788	177.15	235.52	232.13	258.68	255.77	862.1	851.61	348.77	342.08	705.84
292.5186	281.702	153.91	151.2392	180.7069	168.9505	83.0355	80.7402	192.2348	188.8731	278.53	275.95	335.24	330.85	177.751	176.26	237.41	233.96	258.63	256.19	852	841.39	345.53	342.36	699.78
283.807	276.9141	149.11	146.2939	178.6623	168.6678	85.36	82.1184	190.5303	188.1629	281.33	276.17	335.99	333.72	177.901	177.19	239.17	237.12	260.58	258.08	861.18	846.64	349.11	343.79	718.88
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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277.7572	272.508	147.49	146.5706	182.4361	174.7689	85.7771	84.1454	192.1875	188.1629	281.96	281.15	336.75	333.68	178.967	178.07	239.98	238.24	260.16	258.99	866.85

278.3404	261.8505	125.3	124.4957	157.6944	150.4622	71.0434	68.6696	192.803	185.0379	259.03	250.73	319.01	312.66	163.348	162.68	234.6	228.75	234.69	231.67	802.94	792.24	308.68	297.1	611.29
272.7466	263.7328	122.5	118.7781	155.5737	147.7542	72.2447	70.5072	192.9924	187.3106	263.66	257.47	325.77	310.32	163.417	162.35	241.23	226.52	239.79	233.31	824.79	790.07	311.39	305.85	612.88
266.1983	256.9194	117.73	116.196	154.3339	144.4698	72.2636	68.602	192.7083	186.411	257.05	240.38	326.94	320.3	167.936	162.95	240.58	236.68	237.14	232.89	814.54	789.75	308.01	294.93	588.6
265.9067	258.6957	115.24	114.317	158.4774	146.5579	71.4509	70.0708	193.2292	188.8258	250.77	248.5	330.39	328.62	167.856	166.06	243.05	241.24	240.77	239.21	809.47	802.9	306.05	302.21	575.69
265.1538	258.2609	111.76	109.1412	157.8902	152.9636	70.896	69.5469	189.678	187.5	249.11	246.5	330.76	328.06	167.4	166.57	243.32	240.75	240.02	237.54	811.14	800.34	302.73	297.6	577.47
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
263.7593	258.6161	106.4	104.0346	152.9636	149.1028	70.9556	68.9152	188.3996	186.411	246.58	243.66	328.64	326.13	166.123	165.91	242.41	239.92	237.61	235.24	808.58	800.1	299.21	295.73	572.18
263.9979	256.0445	108.36	106.9164	154.3774	148.2871	72.3917	70.3585	188.2576	186.6477	249.72	246	329.32	326.63	168.933	167.9	242.44	240.4	238.87	236.23	814.89	805.27	302.98	299.25	576.08
261.1347	256.4157	110.26	107.0893	157.8032	151.1691	73.3483	71.0665	188.5417	186.2689	247.69	245.32	333.22	328.48	169.015	168.79	245.9	241.44	241.66	237.72	818.27	806.13	305.51	299.23	579.89
263.5207	258.9608	107.09	106.3401	164.7091	155.8999	75.5289	73.0465	192.4242	187.8314	253.17	248.15	339.14	333.75	170.484	170.48	251.93	246.22	246.04	241.71	831.74	813.84	311.74	305.15	591.81
262.8579	253.3139	110.55	107.4352	171.9413	163.6759	76.6477	73.5352	192.803	190.5777	254.04	251.09	337.88	335.93	172.78	172.19	251.2	249.02	244.79	242.63	832.54	825.28	310.97	305.14	597.69
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
254.1888	249.3637	107.9	104.611	169.7118	164.0566	78.0637	76.2285	194.697	191.2879	255.76	251.83	338.31	334.44	173.565	171.88	250.37	247.42	245.12	242.57	836.43	827.95	312.28	308.04	603.11
250.9014	247.561	104.61	101.1527	168.298	162.9146	78.4678	77.013	195.2652	191.9508	255.05	251.61	339.51	335.31	173.725	171.44	252.69	248.37	246.72	244.22	846.57	831.64	313.68	308.46	622.19
250.9544	247.0838	101.9	100.8646	170.4731	161.6096	78.3363	76.6697	193.5606	189.4413	254.72	251.18	338.38	334.65	175.248	173.67	250.28	248.56	245.64	243.66	846.46	832.75	313.78	307.4	626.45
251.7762	244.9894	102.88	99.5965	181.7836	170.4187	79.5858	77.8964	190.8617	187.9735	254.73	244.7	337.24	334.44	175.302	173.63	250.95	249.01	247.25	245.19	851.14	832.83	316.13	313.23	633.74
246.1029	239.263	99.6	96.4841	184.9918	179.6629	79.7003	77.6898	191.0511	187.358	244.13	240.18	340.08	336.32	172.63	172.63	254.3	249.41	247.67	245.23	837.99	831.98	317.69	313.24	638.48
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
243.2662	238.8653	96.48	94.755	186.7319	181.7292	79.4939	78.4211	188.1155	186.2689	244.52	241.9	338.58	336.06	172.22	171.11	253.46	251.46	244.72	243.82	836.21	828.06	314.44	312.47	636.89
245.5992	241.6225	94.75	94.6398	188.472	184.3393	80.58	78.4699	189.1098	186.0795	244.22	241.71	339.06	335.28	171.071	169.17	253.82	249.97	245.09	243.45	833.9	823.06	315.02	311.09	633.99
244.9629	240.6151	94.93	94.0058	190.5927	185.6987	81.1362	79.2797	187.8314	185.5587	244.64	241.86	336.44	333.1	170.579	169.39	252.94	249.88	243.66	241	834.57	825.84	314.04	310.04	629.66
244.8568	240.1909	94.81	94.6398	192.8222	189.2877	79.5137	78.3282	188.3996	185.6534	243.19	238.91	335.03	328.95	171.262	168.83	252.1	248.19	242.13	239.62	835.96	822.99	312.07	308.5	629.89
241.8611	238.0965	95.91	95.1585	190.6471	187.4932	79.5888	77.975	186.8845	183.4754	239	236.47	328.89	326.89	168.218	167.53	248.9	246.62	240.72	239.17	826.19	818.52	310.99	306.32	628.94
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
240.9332	237.0626	97.35	96.7723	193.2572	189.5595	80.072	78.4928	186.0322	181.9129	240.92	238.6	329.67	323.45	168.159	165.17	249.91	245.41	241	238.43	827.13	817.47	313.93	307.71	632.58
240.0583	234.0668	101.84	101.0375	192.8766	183.0343	79.5377	77.742	183.2386	179.0246	239.2	235.69	323.21	319.1	165.026	163.39	245.25	242.81	238.56	236.73	819.27	810.05	308.49	304.9	623.15
241.1665	238.0382	101.56	98.6167	185.5682	182.012	80.2318	78.37	185	179.858	244.52	240.99	323.81	320.99	166.126	165.96	246.3	243.21	240.37	238.76	831.3	817.86	313.62	308.53	629.95
248.7752	238.0594	98.62	97.5216	185.2202	180.9788	80.7273	79.081	182.7273	181.0985	245.79	243.16	325.6	321.87	167.788	167.17	247.4	244.05	240.88	238.8	837.16	825.68	315.76	309.24	630.76
250.2704	245.4984	97.69	95.9654	182.6862	175.9108	81.0627	77.6859	183.0966	180.3977	244.63	240.89	323.69	318.58	167.909	164.87	245.26	242.15	239.35	236.6	828.71	815.58	314.09	306.07	624.68
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
248.9661	244.9364	98.21	97.2334	177.0092	166.6014	79.6934	77.6471	184.536	181.1458	243.89	241.73	324.67	319.98	165.759	165.33	249.16	242.87	240.21	236.65	829.73	819.09	309.28	304.79	614.83
249.0191	244.7243	99.54	95.562	166.9386	161.9902	79.2615	77.3895	181.7708	179.4034	243.77	241.64	327.75	324.54	168.368	167.84	254.42	249.82	242.69	239.92	846.3	827.23	308.48	306.19	604.17
252.7041	248.0117	95.56	94.755	166.2316	158.8907	78.5277	77.3404	183.2386	180.0663	243.03	240.69	331.19	326.61	170.795	170.03	258.03	253.11	243.07	241.18	849.29	842.45	307.73	301.82	599.86
256.1506	250.9544	100.29	99.8847	162.099	156.4981	77.3709	75.898	184.0909	181.9602	244.86	243.02	334.9	331.75	173.173	172.11	262.04	259.06	244.93	243.25	861.82	847.7	307.48	300.44	602.47
255.2757	250.7688	101.84	100	159.5976	155.8999	76.9036	75.2237	184.6591	179.2614	242.91	240.05	335.27	333.01	171.95	171.18	261.55	259.39	244.06	242.76	849.32	844.75	302.32	297.44	592.74
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
254.3213	248.0117	101.38	101.3833	161.8271	157.3138	75.8759	73.8905	181.5341	178.7879	241.36	235.57	336.94	330.5	172.972	170.6	262.61	258.93	244.18	239.01	849.2	836.72	299.7	293.91	590.37
250	247.1898	108.3	106.6282	164.4372	160.7939	75.9137	73.2362	181.2973	179.1667	244.95	239.86	339.52	335.03	175.43	175.05	266.23	261.83	245.22	242.06	854.48	845.75	300.35	289.04	585.87
247.7466	243.7699	107.67	106.3977	165.1985	160.087	74.1094	69.8802	180.9186	178.8826	243.85	241.12	334.01	331.23	175.465	174.53	260.98	259.17	244.81	242.12	855.32	845.06	287.69	284.76	555.59
248.0382	240.9332	107.09	106.7435	167.3736	164.8722	72.1256	69.6	180.5398	176.8939	241.92	237.28	332.7	329.17	173.889	173.08	259.59	257.48	243.65	240.62	849.27	836.33	288.9	282.34	554.31
242.7359	237.9109	112.05	110.7781	167.2104	163.839	72.6814	69.8383	181.8655	178.7405	243.62	239.48	331.83	328.71	174.099	173.49	259.03	256.75	245.58	241.91	848.05	838.36	289.98	285.84	558.46
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
243.6638	239.9523	112.74	110.8934	167.9173	162.9146	73.1888	69.9874	184.8958	180.4451	244.49	242.43	335.66	330.47	177.177	176.6	262.08	258.19	247.84	245.79	860.08	851.67	294.69	291.23	564.74
244.3266	240.562	112.05	110.7781	172.1044	165.9598	72.8533	71.3861	186.1742	183.7595	245.45	242.27	337.2	330.05	178.163	175.37	263.25	257.11	248.83	245.24	864.21	852.43	295.86	288.72	568.42
243.929	239.6341	111.24	110.2594	171.7781	168.4067	71.5371	70.4176	187.5473	183.9962	241.6	239.43	333.33	329.02	174.98	172.97	260.49	256.58	246.02	243.88	857.53	842.54	289.77	286.6	553.26
244.1941	238.3086	113.14	109.8559	169.2768	163.404	70.1099	68.2022	188.2576	183.9015	240.02	237.61	332.52	330.48	172.085	171.2	260.21	258.45	245.54	244.18	846.97	838.41	288.46	285.9	551.19
239.0244	234.0403	111.07	110.8357	164.9266	161.3921	70.9834	69.5343	185.8428	183.0019	239.56	236.53	332.17	328.13	171.62	170.79	260.81	257.46	245.03	242.5	844.39	836.61	291.02	286.83	556.19
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
237.6458	233.6161	115.16	112.3343	164.981	160.1958	70.3033	69.0249	183.4754	179.1193	237.56	234.26	329.84	327.2	170.549	169.35	258.76	255.76	244.92	241.83	845.24	832.76	288.52	283.92	549.02
242.3383	236.2672	114.01	111.585	163.9478	158.6732	71.1434	69.204	180.4924	178.3144	236.61	234.06	330.92	328.49	169.833	168.41	259.73	257.48	244.77	242.98	838.1	829.24	288.94	285.17	550.54
243.0011	235.79	113.2	112.4496	166.286	159.7607	71.9038	69.3605	179.5455	178.1723	237.61	234.32	331.57	329.35	169.182	169.07	261.35	258.52	245.49	243.61	847.06	833.61	292.63	287.07	560.88
241.9035	236.1771	119.4	118.9164	163.143	160.4785	72.8582	71.08	183.9015	178.5038	239.52	234.1	333.68	329.82	170.805	170.8	265.14	259.22	246.12	243.81	859.03	840.83	299.25	289.69	569.85
242.7837	238.5419	128.15	127.6196	161.8815	157.0854	73.2513	70.6964	187.358	181.6288	237.65	233.85	334.65	330.8	174.583	173.67	265.4	261.46	245.26	242.51	855.82	844	299.41	293.85	574.52
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
246.0286	242.5292	131.65	131.5159	156.77	153.4638	74.5353	72.1988	186.1742	184.0909	243.84	239.15	342.94	336.73	177.283	176.9	270.29	265.16	250.94	246.93	866.24	855.65	305.53	300.3	584.94
246.4528	242.8473	138.09	137.7867	154.5623	146.9821	74.9229	72.0862	186.2216	183.7595	247.88	243.48	345.1	339.81	178.842	177.1	270.73	266.35	252.43	249.71	872.35	858.08	306.76	301.84	583.55
248.807	244.8303	140.35	135.8501	149.1028	144.9157	71.717	70.0819	185.2273	181.4867	245.85	243.07	343.92	340.24	177.168	175.75	270.14	267.61	251.48	249.92	875.05	868.09	305.22	301.86	580.32
250.6098	245.3075	135.85	135.0432	151.8216	147.2539	71.4354	69.0937	182.5284	179.2614	244.35	242.53	341.51	338.84	176.698	176.13	271.92	270.6	251.1	249.43	879.62	872.59	307.51	301.18	589.75
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	243.93	241.26	341.26	338.52	176.458	175.84	272.12	268.8	251.26	250.05	881.55	876.32	308.96	301.62	590.83
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
251.1665	247.8261	140.06	139.5389	153.6161	150.7341	70.1775	67.9815	180.9186	178.9299	241.85	236.29	339.12	331.67	175.933	171.86	269.69	261.25	249.69	246.86	880.88	861.87	303.47	292.69	574.32
248.5949	244.8834	145.99	143.4006	157.1506	151.5498	70.8772	67.8636	179.6402	177.4621	238.74	235.56	334.72	330.78	172.984	172.4	264.35	260.55	248.51	246.38	877.42	860.8	298.12	291.87	584.11
246.9777	243.4783	144.9	142.0749	157.5856	152.7461	73.0335	70.1805	181.0133	177.6515	240.14	235.45	332.82	330.24	173.15	172.74	263.53	260.95	247.3	246.2	882.2	872.73	300.87	295.68	578.31
245.7317	242.4973	143.05	140.7493	159.9239	153.1811	74.7052	72.691	183.428	179.2614	242.57	239.62	332.41	330.66	172.499	172.15	264.25	262.34	248.64	247.19	884.37	874.88	301.83	297.4	583.61
245.5196	245.5196	141.5	140.4611	159.3801	155.7368	74.6153	73.5218	184.4697	182.1023	242.31	240.32	332.47	329.49	172.261	171.72	264.14	262.3	247.44	245.52	880.98	875.4	299.46	297.63	583.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
247.2428	242.7359	141.38	135.3314	160.1958	154.0511	76.2593	74.0433	185.6534	181.9602	243.28	239.87	333.84	330.16	173.19	172	265.22	262.25	248.24	246.17	882.47	872.23	301.01	295.47	588.15
243.6638	239.7932	135.33	134.5821	157.7488	151.6041	74.874	73.2901	190.3409	184.6117	240.98	238.5	332.17	330.58	172.24	171.43	263.49	261.96	249.47	247.01	883.55	875.66	296.91	294.64	582.51
245.122	240.2439	139.08	138.1556	155.2474	151.1691	75.163	73.4231	192.0455	188.6837	241.34	237.09	333.01	329.85	172.901	171.95	264.16	261.64	249.95	245.92	883.52	876.71	299	294.34	591.56
244.3266	241.6755	139.54	138.8473	152.1479	145.7314	75.831	73.2935	192.5663	190.6723	239.72	237.72	333.03	330.25	173.004	171.45	264.35	262.32	247.84	244.85	884.13	877.32	298	295.41	588.71
243.2662	240.2969	140.98	140.4035	147.7977	142.4144	76.3092	74.3976	193.1345	189.2519	238.63	235.17	331.57	327.79	171.448	170.19	263.97	260.88	246.65	243.96	890.95	876.63	299.73	294.33	585.63
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
244.0615	240.8271	142.77	138.9625	147.4715	142.2512	77.1077	75.8847	192.6136	189.0152	238.94	234.55	332.89	327.88	170.441	169.6	264.38	260.86	245.24	243.47	888.94	875.69	302.44	297.76	590.07
244.6713	240.3234	139.94	138.4438	148.5046	143.5563	76.6867	74.2836	192.7083	188.7311	239.25	237.57	333.66	331.65	172.669	171.82	264.45	262.13	244.73	242.32	888.52	881.72	302.02	299.02	583.62
240.9597	237.3012	140.63	136.83	146.0033	142.9038	74.7355	72.9633	192.661	189.9621	239.8	236.36	337.13	331.25	172.061	172.06	266.48	261.07	244.45	241.93	893.1	879.34	302.68	298.36	577.16
240.8271	237.5398	137.98	137.5216	144.6982	142.5231	74.0622	72.1066	192.3769	189.6307	242.47	239.02	341.17	335.87	173.04	172.72	268.36	265.15	245.95	243.62	893.99	884.97	303.23	297.54	587.27
240.1644	233.3245	144.09	138.3285	145.3507	141.4899	72.8022	70.5569	191.4773	185.6061	242.9	240.16	343.09	341.59	174.527	174.53	270.34	268.56	247.7	245.6	899.59	893.13	302.17	298.8	575.45
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
241.9936	236.1612	138.33	133.487	145.1876	140.2936	70.8025	68.9335	187.3106	182.339	243.96	241.74	343.66	341.65	175.492	174.94	270.33	269.07	246.85	245.05	901.49	896.92	303.62	298.31	579.74
242.948	240.1379	134.7	134.3516	144.5895	140.5655	69.8665	65.6428	187.5	185.2746	244.31	242.13	342.45	339.13	175.971	173.29	269.74	266.16	244.6	242.56	899.97	887.19	299.89	291.64	567.13
245.2863	240.5673	135.97	132.853	145.8836	141.131	68.8034	66.1344	188.9678	184.233	243.88	241.97	340.15	338.46	175.53	174.94	269.78	265.85	244.42	243.24	893.37	886.86	298.5	296.01	565.21
241.5429	239.1569	134.18	133.9481	150.4405	143.1756	68.8015	67.3786	189.2519	185.0852	244.12	239.33	341.29	339.63	175.32	172.69	270.79	269.25	244.5	241.39	894.77	884.33	300.63	297	565.5
242.4867	239.3054	135.68	134.121	151.5389	147.9282	68.5272	66.4729	187.3106	183.8068	240.95	238.8	342.41	340.72	172.909	172.42	270.34	268.02	243.02	241.24	893.1	881.39	299.38	295.85	550.27
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
240.9544	238.6744	134.41	134.121	154.5731	150.8428	66.8139	65.4252	185.5587	181.2027	239.67	235.01	343.52	340.27	173.368	172.04	273	269.02	241.35	238.26	891.41	879.85	298.34	294.91	539.48
241.8876	238.2291	134.87	132.7378	156.7156	152.9092	66.3501	64.0073	183.2386	180.0189	235.03	232.23	340.79	337.65	171.738	170.52	270.51	267.12	238.7	236.94	882.73	872.2	296.07	292.27	535.89
241.8346	237.8579	137.18	137.0605	155.8456	148.0696	64.9817	62.623	183.0492	179.9242	234.47	231.18	340.4	337.67	171.22	168.88	271.1	268.29	237.43	235.57	878.59	864.21	291.6	287.49	521.14
243.6903	239.2895	139.54	138.5014	152.1479	148.3959	64.8891	62.4683	183.3333	178.5985	235.91	230.6	343.19	338.08	170.318	169.94	272.74	269.12	237.47	235.18	879.74	867.97	292.61	287.55	524.95
241.7285	237.4867	139.71	136.1383	156.3893	150.571	65.9861	62.9056	189.2992	181.5341	239.47	234.2	347.45	342.99	173.655	172.34	277.5	272.6	239.56	237.02	886.12	871.64	303.21	293.79	545.18
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
238.2291	231.6013	136.14	135.7925	158.2382	154.323	65.5718	63.9578	190.5303	183.5227	237.69	234.69	344.84	342.43	174.012	172.54	276.97	272.4	237.92	235.89	881.67	869.39	303.23	297.26	542.52
233.7222	229.3743	136.48	136.3689	157.2594	144.1544	66.4903	64.8321	188.7784	184.2803	239.52	235.92	346.26	341.31	173.401	173.21	278.98	276.09	238.29	236.25	890.06	877.65	307.67	302.33	561.99
236.6384	229.6925	140.75	140	147.9065	143.8282	68.0269	65.8836	188.447	184.0436	242.67	235.52	347.51	345.6	174.916	173.22	278.73	276.74	236.55	234.5	894.39	883.81	314.67	309.03	560.26
238.7593	234.5705	146.69	145.7637	148.6678	144.0457	68.0187	66.7998	186.1269	182.3864	238.79	235.76	347.07	343.52	173.306	172.96	279.11	275.96	234.66	232.97	893.45	884.87	310.82	303.53	546.14
241.0657	237.6193	148.36	145.5331	150.7341	146.2751	69.5039	67.5464	187.8314	182.3864	234.31	230.82	347.16	344.67	173.65	172.99	278.55	276.15	235.2	232.58	905.08	891.32	318.3	308.75	559.83
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
240.7741	236.9035	147.32	142.4784	150.1903	143.0669	70.4473	68.6411	192.5189	183.0019	232.08	228.01	345.3	342.61	173.188	171.86	278.51	275.57	233.42	231.76	900.21	885.46	317.8	314.54	569.28
243.0806	237.1421	143.57	142.4207	145.0788	140.9462	72.1463	70.057	194.0341	190.2462	230.22	225.56	345.23	341.44	171.76	168.83	277.53	275.01	234.41	231.87	880.64	865.47	319.69	314.55	573.14
238.7063	234.7826	147.26	147.0317	146.7102	142.36	72.0646	69.8112	196.6856	190.2936	228.58	224.84	343.03	339.65	172.7	172.09	277.44	273.88	233.84	231.56	881.43	873.8	319.4	313.95	560.95
238.3086	234.544	148.24	148.0692	149.5922	145.8945	72.3267	70.9381	201.6572	193.8447	225.18	221.87	341.02	338.42	172.686	172.17	275.14	273.05	231.87	230.16	881.54	871.46	318.49	314.65	560.1
235.737	231.4952	150.72	150.2017	150.4622	145.7858	72.9119	70.8607	202.5568	195.786	225.45	222.24	342.31	339.33	174.071	173.23	277.21	274.72	232.52	230.15	892.22	877.84	320.9	316.09	561.75
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
236.9565	231.071	152.16	151.5274	149.7553	144.1001	73.3975	71.368	204.2614	195.6439	223.47	221.06	340.09	337.26	174.73	173.8	276.59	273.53	232.64	230.25	889.09	883.14	320.18	317.53	551.73
234.2524	229.4804	155.39	154.121	149.1028	145.8401	72.5091	70.8093	212.6894	200.7102	224.49	222.11	340.93	337.32	174.831	173.51	279.12	274.44	233.48	231.18	892.31	878.71	324.36	318.82	553.89
234.4115	230.4878	161.11	160.853	150.5492	145.3616	73.6827	70.3665	211.9792	204.7348	223.79	220.89	339.17	335.27	173.869	173.87	276.68	272.08	233.49	231.26	887.44	876.61	323.81	317.97	560.19
233.0223	226.6066	166.73	166.2133	149.0049	145.4595	73.8995	70.6134	206.1553	199.1004	222.13	219.18	337.33	334.15	175.86	171.53	273.8	271.11	233.86	231.1	879.64	863.79	321.97	316.48	548.41
229.3213	225.5567	171.02	170.6859	155.7694	146.3295	71.864	69.9854	204.0246	199.053	219.53	215.66	336.6	332.9	171.641	168.92	273.61	270.46	231.65	227.76	873.94	862.47	316.87	311.11	538.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
227.2057	220.1007	177.01	176.5303	153.4312	149.342	71.7768	70.0947	200.6155	193.3712	213.92	208.11	333.44	326.27	169.814	166.59	270.84	266.12	227.23	223.18	869.17	852.44	314.35	305.27	523.28
225.1856	221.6331	184.73	183.5159	154.4318	148.2327	75.1839	70.2813	205.8239	193.75	211.77	208.64	331.48	326.62	167.032	165.8	270.79	266.92	225.67	222.19	860.46	849.76	313.81	309	520.2
224.8409	218.3192	185.88	185.7061	152.2023	146.6558	74.0063	71.5743	204.8295	197.0644	211.6	206.33	331.46	324.98	165.075	164.71	273.87	265.44	225.4	221	860.61	838.77	313.63	304.43	508.03
226.5376	222.0838	191.93	189.4524	159.4889	149.7009	75.7875	72.1926	215.4356	203.3144	216.39	209.5	339.15	330.14	171.155	171.15	273.48	269	229.85	225.28	870.21	859.14	314.55	307.72	537.6
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	222.59	217.14	341.15	337.94	174.6	174.04	275.63	272.78	233.47	229.93	886.1	870.01	319.65	313.74	549.77
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
230.1166	221.8982	193.54	191.1239	162.9146	157.2594	76.3539	74.6172	219.1761	215.1989	220.47	213.51	339.64	335.21	176.085	174.62	274.2	270.96	232.6	229.29	887.29	874.22	317.18	312.94	543.59
224.3107	220.3871	191.99	190.5476	160.0326	155.0299	77.4008	75.2969	219.7917	206.9602	212.77	207.46	337.51	327.33	175.427	172.38	272.58	264.08	229.64	226.17	879.4	859.14	313.84	306.73	536.45
221.7126	217.948	192.1	191.4697	161.6639	154.6493	77.9176	74.9262	213.1629	209.9905	209.53	205.62	329.1	317.41	175.234	166.88	266.29	254.69	227.94	222.32	867.74	837.8	310.08	295.99	524.56
220.6787	211.5589	193.6	191.7579	157.4225	149.2115	74.8307	72.9111	215.1989	208.3333	206.88	202.97	319.63	308.91	166.775	163.95	257.95	248.12	223.13	216.17	843.78	814.34	297.62	290.87	510.74
214.2895	211.1612	192.51	192.219	149.5922	145.5682	75.1653	71.9804	210.322	203.8352	211.19	199.18	315.65	306.27	161.501	160.43	253.47	246.17	225.48	214.52	835.38	801.61	294.03	288.62	521.29
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
216.1453	207.9799	195.91	194.1787	148.8309	144.3719	77.9365	73.4174	210.1326	203.125	223.12	217.69	418.78	303.21	165.634	165.46	263.64	244.66	237.73	221.96	858.19	804.8	303.49	280.32	534.08
217.4973	213.9979	197	194.755	149.9184	144.3719	78.272	76.821	212.8314	208.428	227.32	221.46	344.21	337.91	187.643	182.96	274.15	268.51	241.47	235.22	893.47	874.9	311.03	304.36	559.5
218.0011	214.0244	197.93	197.4063	152.3654	146.3839	78.7764	76.0225	212.7841	208.9489	222.33	219.3	341.06	338.06	182.654	181.37	272.04	268.14	236.7	234.91	878	860.84	307.38	302.9	552.5
214.8197	210.79	203.98	203.6311	152.8548	149.1572	77.8729	76.2605	216.0511	210.2273	221.25	218.44	341.7	339.05	181.961	180.66	270.24	267.13	236.17	234.83	870.17	861.39	305.74	298.45	547.43
213.3351	209.7296	205.07	203.1124	151.441	144.9701	77.9797	75.6863	216.4773	213.6364	220.6	215.03	340.42	335.86	182.472	178.21	268.24	260.2	236.86	230.24	875.49	852.6	302.66	293	548.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
214.7667	208.6161	205.59	205.3026	145.5139	141.9793	75.6884	72.8194	217.6136	211.4583	212	208.26	334.16	327.75	175.546	174.89	257.66	254.4	229.5	227.61	850.65	836.68	291.06	284.06	524.8
215.7741	210.2598	206.34	203.9193	145.8945	141.6531	75.2031	72.4396	216.4299	209.9905	207.6	205.86	327.44	323.79	174.065	171.79	254.66	251.41	227.42	225.18	839.49	826.17	283.23	278.16	507.53
218.0806	212.0361	204.73	204.5533	146.2751	143.8825	76.5721	74.8863	219.0341	215.1989	212.64	209.41	330.44	324.24	174.373	173.96	257.08	253.39	229.88	227.71	849.71	837.72	284.07	280.34	519.37
220.3075	212.9905	205.94	201.7291	145.7314	141.7618	76.9567	75.9155	219.2708	215.4356	213.2	209.58	328.47	323.77	173.352	173.35	257.01	252.4	230.4	227.12	845.87	835.76	287.61	280.62	524.29
221.1294	218.0541	202.48	199.366	146.8189	142.6862	77.7798	76.1295	224.6686	219.1288	217.02	212.99	336.06	330.85	178.018	178.02	259.5	256.62	235.1	231.51	854.69	847.43	292.13	287.89	534.18
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
221.3415	217.5769	199.29	198.2248	145.2202	141.6422	79.7252	77.1542	225.0852	218.6837	224.28	217.81	345.35	336.74	181.934	181.93	266.55	260.35	241.49	236.04	879.92	858.68	296.84	292.33	546.73
222.9852	215.2969	198.95	198.6859	145.3616	135.7586	80.8206	78.7901	221.1458	217.4053	225.54	222.93	347.37	343.88	186.488	186.38	268.99	265.54	243.03	241.27	899.3	881.85	300.03	294.22	563.44
218.8918	211.3627	200.91	198.8127	137.7814	135.1387	80.1428	78.5214	222.8409	213.6174	226.53	224.66	347.11	343.37	188.01	187.54	270.5	265.81	244.24	242.56	921.47	914.58	301.63	296.15	568.27
215.631	210.0636	198.86	198.2478	136.0087	131.8325	78.5627	76.9121	216.1458	212.8977	225.37	223.39	345.62	342.84	189.161	188.63	267.3	264.22	244.39	241.63	924.94	917.91	297.69	290.29	554.53
216.1983	211.0021	200.12	197.6945	134.3121	130.397	77.4738	76.0959	220.0758	215.1515	222.82	220.25	343.63	339.36	188.113	187.28	264.7	260.04	240.98	239.47	916.93	909.22	290.26	283.4	532.34
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
213.3086	207.7943	198.21	194.6974	133.3877	129.8532	77.1304	75.5423	221.3068	213.5417	224.75	219.75	345.02	340.09	188.442	187.66	264.37	260.69	243.14	239.3	932.15	909.96	290.51	283.65	529.2
212.2481	207.7943	194.7	190.8934	131.8108	128.4394	77.2552	75.0991	216.9981	208.4754	224.04	222.23	343.12	340.83	190.315	189.18	264.42	260.81	242.98	241.61	927.25	920.41	289.01	283.24	530.57
209.4645	200.5567	190.89	186.1095	129.7444	123.8173	76.6571	74.5801	208.7595	202.3674	224.89	221.65	346.16	341.02	189.411	189.34	268.79	263.69	242.76	240.99	935.01	917.03	289.15	283.46	530.19
204.5069	200	187.78	186.9164	125.2311	117.727	77.9629	76.2281	207.5758	204.072	226.69	224.63	349.69	345.86	192.698	192.7	271.71	268.53	243.7	242.74	950.22	934.1	294.42	290.01	536.29
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	225.91	224.13	348.88	346.91	194.979	194.59	271.06	270.11	244.54	243.1	946.09	942.9	293.93	292.82	536.1
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

202.5186	197.5345	186.92	185.3602	119.1408	114.3013	77.0181	75.7848	206.5814	202.983	226.15	223.75	348.58	346.24	194.728	193.75	270.48	268.45	243.73	241.96	946.87	936.96	295.4	291.92	535.01							
200.3181	194.2206	187.38	184.0346	118.6514	115.7694	78.1038	76.4739	207.9545	203.3144	224.73	222.23	347.49	344.77	194.645	192.07	269.23	266.6	243	241.72	943.62	934.97	300.09	294.2	550.8							
195.7582	192.7359	184.03	182.9971	118.7058	115.8238	77.433	76.0987	206.0133	199.7633	222.77	221.07	346.62	344.04	192.692	190.53	268.45	265.43	244.07	241.69	948.69	934.27	297.07	290.63	547.01							
195.0954	191.596	183	181.7291	120.7178	116.422	76.5801	74.6126	202.5568	197.6799	220.92	214.22	343.67	335.5	190.061	186.34	265.09	258.31	243.49	240.05	932.76	912.08	290.17	283.81	533.39							
197.8261	193.5843	182.82	182.0749	123.4367	118.869	75.6326	74.3453	204.3561	199.2424	218.07	215.16	339.96	336.28	187.428	187.15	260.84	257.96	242.03	239.66	930.21	916.93	288.55	284.18	531.07							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
200.2916	196.5801	185.01	184.7262	121.4791	118.2708	76.5788	74.8563	205.9186	201.4205	217.59	215.18	341.05	336.29	189.116	186.6	261.83	258.08	241.64	239.66	928.89	922.14	290.59	286.96	538.94							
199.947	195.3606	186.92	186.2824	119.6846	114.5188	75.8838	73.7881	203.5511	199.1004	215.15	212.17	338.98	335.71	186.592	186.58	261.71	257.57	243.12	239.1	932.39	918.46	291.52	284.09	551.31							
201.7232	198.1707	188.88	188.0115	118.9233	115.6063	77.2868	75.5788	206.0606	201.4678	216.73	212.32	339.8	336.59	189.305	187.68	261.89	258.48	243.45	240.84	933.36	920.6	294.88	290.34	536.23							
201.9618	199.0986	192.33	191.3545	120.609	118.2164	76.3993	74.9694	205.6345	201.2784	218.41	215.49	342.47	336.75	188.831	188.21	263.87	260.08	242.91	240.82	931.57	918.47	296.82	289.7	536.98							
201.9353	199.0721	192.28	189.3948	122.0228	117.9989	75.8216	73.3084	202.983	199.9527	215.77	213.07	341.9	337.07	187.888	185.86	261.43	259.55	240.64	239.56	911.51	905.03	292.79	286.94	529.44							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
201.0074	198.1972	190.32	188.9337	125.0136	121.5334	73.5684	72.5166	203.6932	200.3314	215.16	211.26	342.9	338	189.672	187.04	262.36	258.78	240.58	238.67	910.96	896.25	289.6	285.04	534.12							
204.8515	196.8982	191.93	191.5274	125.7205	123.0016	73.9576	72.0474	206.392	201.3258	219.65	215.83	342.64	337.38	188.051	184.37	262.82	257	242.52	238.72	915.93	891.59	295.37	285.83	553.39							
202.211	195.7953	191.64	187.8271	124.1544	120.7504	73.1769	69.1208	206.5814	203.2197	217.64	213.29	342.55	336.99	186.107	184.63	263.75	257.47	241	238.88	906.11	898.04	288.77	283.15	538.09							
196.8293	193.3828	187.49	186.2709	122.1642	118.0642	69.9719	67.1192	206.7235	193.8447	216.99	213.34	344.51	339.59	187.067	185.5	264.8	262.6	240.42	238.91	906.82	896.12	287.53	283.31	535.99							
199.8834	193.3616	185.78	185.487	118.6514	116.2697	71.0516	67.1952	197.6799	193.0398	215.92	213.68	341.04	337.16	185.083	184.87	264.29	260.92	240.34	237.89	898.41	882.07	290.83	281.88	544.2							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
200.2598	196.018	187.83	187.2622	116.3785	113.0179	70.6061	67.8654	196.6856	191.0038	215	211.4	340.53	335.74	184.501	183.32	262.08	259.42	239.53	237.29	884.86	870.92	290.09	281.61	543							
200.0795	195.7847	189.8	188.6455	118.4883	112.4524	71.4884	68.5257	198.3428	191.5246	214.62	213.33	342.38	336.88	186.69	183.75	263.67	260.53	240.45	239.05	888.49	878.9	290.9	285.34	544.92							
200.9014	198.0382	188.65	188.0115	117.4551	112.0718	70.267	67.7069	198.0114	193.608	214.59	211.27	340.37	335.84	183.657	183.66	267.21	262.58	240.13	238.19	894.44	876.36	292.02	284.09	544.38							
205.8855	199.8409	191.18	189.2795	114.2469	110.9842	70.9333	68.1039	200.1894	193.9394	218.48	212.11	344.05	337.96	187.316	186.99	269.88	265.54	241.28	237.82	905.53	894.38	297.88	289.51	563.54							
205.1962	205.1962	190.66	188.3573	116.4763	110.2229	72.2296	70.0047	197.9167	193.3239	220.03	217.82	345.18	342.28	188.203	187.97	271.14	269.4	243.03	240.89	905.9	900.03	299.58	296.71	570.27							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
206.9194	202.0944	188.36	184.7839	119.2496	111.0386	73.3784	71.2868	196.5909	192.8504	224.4	219.8	345.09	342.73	188.001	187.92	273.1	269.87	243.53	240.9	919.74	900.69	305.43	299.06	584.29							
203.1548	198.3298	186.22	183.2277	117.1289	112.6156	72.6069	70.8933	198.1061	192.803	227.37	221.38	346.98	340.86	190.448	187.99	273.58	269.07	243.93	241.13	926.55	914.51	307.06	301.47	580.32							
201.9618	198.3033	183.23	179.4236	119.5759	114.7363	71.5773	69.2156	195.0284	191.4773	224	217.42	345.03	339.24	190.964	189.92	275.01	268.82	244.79	242.12	930.21	922.46	306.56	299.46	578.77							
201.0604	196.5005	179.42	178.7896	119.9021	115.9869	69.7284	67.2208	194.7443	189.678	221.37	214.55	340.68	336.7	190.184	188.85	271.27	268.72	242.62	241.32	936.46	926.55	299.7	294.92	569.5							
202.8102	198.0912	180.86	178.8473	125.2855	117.5639	69.2099	67.3962	194.9811	186.8371	211.36	208.57	338.71	335.62	189.095	188.57	268.95	266.43	242.31	240.29	934.14	921.49	300.09	293.43	574.36							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
206.3627	200.2651	181.73	181.4409	124.0348	118.4883	69.8462	67.7103	194.3182	187.1686	213.91	209.89	338.38	335.22	191.02	190.38	269.19	266.23	242.19	240.74	937.56	925.75	299.88	294.01	577.57							
207.2375	199.8674	183.34	181.3833	120.9353	117.8358	69.8822	67.834	197.6326	191.5246	216.13	211.67	340.17	333.68	192.226	190.74	272.74	266.35	242.84	240.49	947.65	932.26	299.79	295.53	588.5							
205.6999	202.3595	183.52	181.9597	121.8053	117.2376	69.2454	64.956	193.3712	186.553	217.86	214.45	339.85	335.17	193.249	192.09	273.05	270.54	242.11	239.59	948.33	937.49	296.38	289.01	577.63							
205.0636	198.3828	181.96	179.4236	119.3583	110.3861	67.3547	64.4829	188.589	182.1496	216.92	214.1	337.24	333.65	193.644	191.58	273.13	269.94	240.43	237.47	945.96	922.9	294.3	287.68	574.51							
202.9427	197.0573	179.42	177.8098	111.4736	107.5585	65.6714	61.9085	184.233	181.392	216.74	210.14	334.72	328.41	191.317	187.32	270.25	265.67	237.46	234.55	922.39	906.53	288.52	277.18	551.93							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
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199.6554	196.1029	178.96	177.0605	112.1805	108.0479	67.0806	64.3816	183.0492	180.7765	216.91	214.08	333.06	330.73	190.849	190.2	269.84	267.81	238.18	236.85	922.13	915.25	291.92	286.74	558.64							
200.6363	195.0689	177.81	177.2334	115.4432	111.6911	67.9096	66.0601	183.3333	180.6345	218.24	215.17	332.2	329.13	190.589	189.41	268.72	266.67	238.73	236.55	916.77	910.56	291.48	286.36	561.6							
201.1135	194.0085	180.06	178.9049	115.6063	112.9962	68.3406	66.7295	182.9545	179.1193	217.1	210.2	331.37	327.93	189.874	189.07	268.21	266.24	237.28	233.97	920.12	911.62	290.49	282.57	557.35							
195.5832	185.456	182.59	182.0173	113.2246	108.2219	67.8466	64.7255	179.0436	176.4773	208.63	204.62	327.62	323.03	188.218	186.15	265.07	261.99	234.06	231.65	912.38	902.1	281.62	275.8	529.62							
189.0562	184.9735	183.57	183.2853	111.0495	106.5905	65.2444	62.9415	176.9508	174.3561	209.1	204.57	327.42	321.45	186.994	184.52	265.62	260.91	234.31	231.75	910.73	892.74	277.6	271.06	520.53							
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187.4761	184.2418	186.46	182.8242	112.8439	109.8097	63.6149	59.8974	174.2803	171.6477	207.65	203.45	324.18	319.69	185.624	184.5	263.18	259.48	233.18	228.71	903.69	893	274.54	266.31	512.86							
191.1665	184.6448	184.61	182.6513	110.8864	103.9695	60.7699	58.513	172.6042	171.4299	210.96	205.92	322.31	318.97	184.594	183.81	260.9	258.27	231.11	227.69	894.77	884.71	268.69	263.36	508.82							
192.1262	188.5207	184.38	182.1326	106.2534	103.1539	60.0134	57.8617	172.3011	170.6439	214.27	208.83	323.28	319.34	185.249	183.18	259.15	256.6	230.02	228.02	886.34	871.55	268.05	261.91	509.92							
196.1029	190.8006	182.13	181.0375	110.9842	105.0027	57.4172	56.368	173.5795	171.2121	214.87	210.97	328.53	322.7	183.985	183.89	260.39	257.1	231.61	227.94	891.8	874.94	268.69	261.42	501.38							
198.0382	194.9099	181.5	181.3833	112.7243	106.3622	59.2016	57.0932	174.6686	172.8693	217.41	213.64	331.88	327.22	188.294	186.23	263.7	259.32	233.45	229.83	903.63	888.52	272.27	265.99	512.2							
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198.0647	191.4369	183	181.6715	108.3197	104.7852	61.3605	58.6077	174.1951	172.017	218.55	214.11	328.66	325.26	191.809	190.01	263.02	257.73	232.24	229.71	907.22	888.09	274.82	264.55	530.48							
192.2853	187.6723	186.4	184.6686	110.2229	105.0571	62.1533	60.1205	173.1061	169.9337	223.51	219.56	335.98	330.5	195.204	194.85	267.38	263.53	235.42	232.87	919.29	910.02	280.37	275.52	529.24							
191.8346	187.8579	188.01	186.8012	109.516	106.7428	63.1514	60.9117	173.6742	172.017	225.58	222.63	337.72	334.98	198.065	196.94	268.41	263.88	236.41	232.84	926.78	914.84	284.18	274.64	534.63							
191.8346	186.2142	191.18	189.8559	108.211	104.0783	62.4018	60.2916	173.6742	171.7803	223.67	220.01	334.91	331.01	196.009	192.93	263.57	260.94	234.64	231.21	913.6	901.44	279.17	272.34	525.2							
189.8197	189.8197	190.09	185.9942	105.5465	100	63.6135	61.6367	173.2008	171.6383	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
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194.4592	187.1421	186.4	184.7262	103.317	100.435	63.0467	61.0464	172.6799	170.8333	222.41	219.66	332.25	329.45	193.628	193.56	261.95	259.92	234.19	232.11	913.2	902.79	278.82	272.36	529.87							
198.5419	192.7094	190.84	189.9133	107.2322	101.2507	65.178	62.9122	172.822	170.7386	223.38	221.41	334.52	330.13	197.217	196.49	262.73	260.48	236.53	233.81	917.81	909.72	283.83	277.55	553.43							
198.6479	195.4666	191.01	188.0692	105.7096	102.012	65.7531	64.1147	173.1061	170.4545	220.78	217.35	333.81	330.52	198.878	195.98	262.63	259.75	234.54	231.31	911.05	897.57	283.86	278.6	557.5							
198.9396	192.6299	188.7	188.5303	108.211	102.7189	65.419	63.3781	171.4015	168.9867	221.99	218.76	336.1	332.3	199.668	197.5	264	261.25	236.77	233.6	917.34	904.82	285.66	281.37	560.82							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
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196.8187	193.6903	193.43	192.3919	109.9511	106.9603	66.3215	64.371	171.3542	169.697	225.08	220.14	336.02	333.34	198.964	198.63	265.79	263.25	235.7	232.92	924.38	915.06	290.03	286.16	574.92							
195.281	185.1538	193.2	191.4121	110.1142	104.2958	65.1193	63.2537	171.3068	169.2235	226.71	221.84	334.14	328.81	199.317	196.86	263.46	258.4	234.96	230.39	924.01	901.42	288.98	282.3	565.48							
187.7519	183.7752	193.08	190.7781	107.1234	103.8064	63.2446	60.8303	169.4602	167.803	223.58	220.25	334.11	328.79	200.674	199.45	261.61	259.29	233.06	230.99	922.37	914.2	282.9	277.16	556.54							
189.1039	183.9608	192.05	190.6628	108.3741	103.5889	61.9878	60.0086	169.5549	168.2765	221.45	218.11	332.66	330.58	200.582	200.48	262.52	259.96	232.69	231	923.29	915.96	279.75	274.52	560.55							
192.842	188.2821	191.41	189.2219	105.8728	101.6313	63.3433	60.8971	169.8864	168.6553	222.66	217.75	334.42	331.37	203.099	202.46	264.45	262.13	233.67	232.07	930.36	920	284.43	278.48	571.06							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
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192.3913	188.0965	191.53	190.5476	105.8184	102.3926	63.9956	62.6861	169.839	168.0398	217.13	214.03	332.89	326.16	202.577	195.64	262.33	257.56	231.15	226.7	918.24	898.44	282.35	278.54	567.37							
191.5164	186.9565	186.18	184.6455	102.5449	98.5427	63.4075	61.6073	168.5606	166.9508	222.03	212.33	335.06	325.1	195.392	195.39	265.75	256.46	231.88	224.79	928.91	889.98	289.3	274.59	579.21							
192.2057	185.5249	180.68	176.5994	99.6846	96.0631	63.1646	60.599	168.1345	166.714	217.58	215.42	325.95	319.21	197.762	197.66	260.89	256.99	229.13	226.76	916.62	904.55	285.28	280.22	566.1							
192.5981	185.5461	171.68	170.7666	96.5307	93.2898	63.0208	60.2169	167.661	165.767	217.85	213.46	321.47	316.29	196.977	195.08	259.72	256.57	231.04	225.1	908.08	895.07	287.04	278.54	587.35							
196.6596	191.3574	166.64	164.9683	95.7042	88.994	61.916	58.9256	168.0871	166.714	222.93	216.86	321.26	317.62	197.633	195.4	261.59	258.15	229.28	226.78	914.11	900.13	289.26	280.49	601.82							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
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196.9777	193.7964	163.23	162.1902	91.0821	87.602	58.2934	55.7293	166.5246	163.6364	222.42	218.25	324.54	320.55	198.937	198.25	263.04	259.42	229.98	227.23	928.71	913.08	287.3	282.49	569.91							
195.281	190.8802	162.19	159.4813	92.0609	88.8526	56.7933	55.2594	163.9205	162.4053	219.97	217.6	323.49	320.54	199.38	197.59	262.85	259.46	227.54	225.28	921.74	907.45	285.31	279.53	542.42							
192.4443	188.7328	161.5	161.1527	94.8885	90.1577	56.7273	54.6471	163.7784	162.1212	222.26	216.37	322.75	318.51	200.017	198.96	263.31	259.22	228.24	225.21	926.55	912.42	281.48	273.18	524.27							
189.9523	183.7487	162.31	160.7493	96.5198	91.6803	56.2702	54.3817	164.1098	162.3106	219.36	214.63	321.76	317.81	199.845	194.54	262.27	258.44	226.62	222.82	921.27	901.95	279.13	275	520.91							
189.0509	184.544	161.33	160.634	94.3991	91.8978	55.41	53.0801	163.8258	162.8788	215.53	209.74	319.6	313.24	195.465	191.56	259.86	255.67	223.36	219.32	906.3	886.27	275.89	268.85	509.89							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
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188.2291	183.5101	163.34	161.6138	98.1512	94.1816	56.3929	53.3269	164.5833	163.2102	214.16	210.93	320.31	316.04	193.624	192.33	264.06	258.79	223.07	220.63	908.03	891.19	273.44	264.09	492.99							
189.8462	182.7413	163.98	163.17	99.7281	95.0517	54.4691	51.3616	165.9564	163.8258	212.75	209.37	316.13	311.57	194.197	187.58	259.85	254.44	220.97	215.93	895.47	874.11	267.41	259.65	474.61							
188.3881	181.7603	164.78	159.5965	101.2507	98.2055	53.1441	50.2303	165.7197	164.6307	213.29	205.8	316.35	308.45	187.152	186.14	259.06	252.2	219.45	213.41	889.22	865.04	263.55	255.12	460.91							
188.7593	183.245	161.27	158.098	102.5014	98.9668	54.2108	51.3414	167.2348	165.0095	218.69	213.03	322.39	316.51	192.204	191.99	264.74	259.31	221.86	219.42	900.01	889	272.23	264.64	465.1							
189.5546	184.4645	159.65	157.6369	102.882	99.4018	54.3587	51.593	168.5606	167.1402	221.63	217.42	323.56	317.81	195.412	190.6	266.03	260.93	221.96	218.05	902.94	886	273.95	265.07	457.93							
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185.1007	179.2683	158.85	157.5793	105.4377	101.1963	53.5392	50.9161	167.5189	166.7614	217.62	214.38	319.78	315.18	190.472	189.26	262.8	259.06	220.12	216.2	902.69	880.47	269.27	261.87	462.2							
180.965	174.1782	163.17	162.7663	110.0054	104.7308	55.383	53.1433	167.7083	166.8087	217.4	211.85	322.47	317.21	193.621	192.34	264.53	258.46	221.93	219.51	903.92	886.63	272.92	265.99	481.48							
176.7232	173.701	164.03	160.634	110.0598	106.5253	54.1306	50.1008	167.9924	166.5246	213.59	204.73	318.39	314.97	191.87	186.97	258.01	254.49	220.42	216.3	891.28	862.29	270.59	257.91	473.04							
180.6999	175.5302	161.73	161.4986	110.3861	105.8184	55.0981	50.2618	167.803	165.9564	210.85	203.48	318.71	313.78	187.17	185.8	260.89	256.16	218.09	214.13	870.66	857.39	271.01	258.84	481.29							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	206.25	202.57	318.29	311.45	188.412	185.58	260.46	253.7	215.54	209.94	876.8	860.31	264.72	258.24	467.35							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
182.7147	179.6394	162.25	159.7118	113.7575	109.6248	52.3093	48.8764	166.6667	165.2462	197.97	191.84	309.39	305.19	182.443	180.07	251.61	247.41	207.91	204.59	849.65	836.37	256.28	242.33	446.98							
183.298	179.4274	160.12	156.5418	117.1289	111.3649	48.9308	47.3115	166.3352	164.2045	197.8	190.01	313.23	304.13	179.444	178.55	253.01	244.4	208.84	203.08	841.88	817.75	248.1	237.49	449.23							
182.4496	176.5642	157.58	157.2334	116.8461	112.5068	49.6062	47.3246	164.6307	163.7689	200.69	192.87	318.85	312.95	186.993	182.41	257.65	253.23	212.25	205.04	858.36	837.54	254.32	246.65	460.46							
187.105	174.1676	160.52	159.5389	117.553	114.2142	51.2963	47.0815	164.4697	163.2576	195.22	188.33	320.7	311.71	183.439	181.61	260.59	252.28	211.12	205.23	857.82	830.08	262.74	249.13	482.83							
184.1145	176.0551	160.75	160.2882	119.1517	115.1604	52.2223	49.7429	164.8011	163.447	203.86	192.71	327.05	317.17	186.188	185.48	266.8	257.58	220.28	210.05	886.64	839.12	268.31	256.85	513.08							
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182.1951	176.1506	162.07	161.2104	113.6378	108.733	52.7596	50.6294	166.6098	164.3939	205.87	198.56	329.8	324.35	193.905	193.55	268.24	264.46

165.9067	161.93	139.6	136.0807	112.8331	109.9511	61.5212	58.8033	168.0871	165.3883	239.06	230.98	351.33	344.18	203.589	203.4	274.08	269.48	236.59	232.43	962.14	942.86	282.3	271.81	593.75
163.123	160.2068	136.54	135.9654	116.3458	111.7999	62.2227	60.878	168.3428	165.7955	240.85	236.27	354.86	350.03	206.962	206.16	276.62	272.87	237.89	235.46	969.06	961.23	286.22	281.5	600.16
164.21	161.2407	136.6	133.0259	116.8461	113.0179	63.2185	60.3585	167.6894	165.0852	242.28	236.9	354	347.93	208.246	207.55	275.55	271.02	238.89	235.09	982.8	968.97	288.36	275.57	591.08
162.052	158.4464	134.58	130.5476	114.6493	110.8972	62.6325	60.2467	168.2102	165.5587	248.97	240.58	355.02	348.13	210.235	209.1	276.72	270.96	241.74	237.02	991.18	967.93	283.01	274.3	585.53
165.8802	159.5705	132.62	131.7579	117.2268	112.7678	64.7341	61.2547	172.3295	167.0739	254.59	250.27	358.53	355.03	213.858	213.02	279.38	276.58	243.6	241.37	998.31	975.07	292.39	282.47	611.37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
165.1644	160.3924	136.25	132.9683	120.2284	117.8902	67.2032	63.9717	171.7803	169.0814	253.29	245.57	355.65	352.35	212.699	211.21	278.68	275.81	241.02	238.57	985.28	967.95	304.34	289.93	640.89
163.9979	159.544	135.62	132.9107	119.4127	115.9869	67.0145	64.4023	170.0284	167.6136	263.31	253.39	365.81	354.52	214.272	214.27	290.39	278.19	248.55	241.09	1029.95	981.95	314.34	298.55	644.42
167.1262	162.7784	136.37	135.6772	120.8809	117.0201	67.2427	64.1862	169.4602	167.6136	264.15	260.59	362.35	359.71	221.101	221.1	289.58	285.75	249.95	246.4	1033.17	1022.3	315.94	310.32	649.49
167.2587	162.7519	137.81	130.951	122.7841	119.2496	67.9537	66.2855	168.892	166.6667	262.87	261.09	362.27	359.44	222.153	221.71	288.97	284.8	252.06	248.61	1041.94	1022.47	314.72	310.72	653.35
166.1453	163.017	130.95	128.5879	122.2947	119.4127	68.7543	66.9348	167.2822	164.8201	263.3	258.79	361.49	359.08	224.594	224.34	286.98	283.44	251.23	247.6	1038.3	1027.37	314.87	309.34	644.4
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
171.474	161.824	132.97	131.8732	122.8385	119.9021	68.8759	67.3731	166.2405	165.0095	259.75	255.97	362.26	358.8	225.462	223.45	287.53	284.94	248.63	247.14	1038.22	1028.38	314.97	311.99	646.11
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	259.37	256.1	361.47	357.92	224.63	221	287.08	282.32	248.7	245.75	1034.69	1024.16	316.25	310.63	648.03
167.9745	165.3765	133.89	132.5648	127.6237	123.491	69.8064	67.6817	166.0985	163.1629	256.47	253.22	359.61	354.06	221.251	218.11	284.93	280.91	246.04	243.69	1026.69	1001.34	313.79	308.24	643.56
169.035	161.1877	132.56	131.8732	127.4062	122.7841	69.9656	67.6385	164.6307	163.1155	257.91	253.18	357.52	351.15	219.042	217.19	283.93	279.45	246.39	241.94	1020.96	996.59	309.48	303.17	640.02
165.1644	158.4305	134.35	133.9481	127.6781	121.2072	68.7894	65.5749	163.8731	159.8958	260.19	256.08	361.29	358.22	222.009	221.02	287.14	283.43	247.47	245.81	1028.63	1018.85	310.82	303.12	638.69
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
171.474	160.0212	134.47	130.7781	131.1582	124.4698	68.5288	66.6276	163.1155	161.3636	258.7	256.69	362.94	358.51	223.893	222.88	288.62	286	247.34	245.64	1032.16	1017.96	313.08	308.13	645.28
162.0891	157.158	130.78	128.9337	136.4872	130.9407	67.9606	66.3986	163.447	161.4583	261.93	256.67	361.44	359.08	224.365	223.65	287.07	284.56	248.86	246.42	1033.83	1019.64	316.67	310.61	662.04
163.5207	159.544	129.74	129.1066	139.4236	134.8015	68.0679	66.083	164.2992	161.4583	258.84	254.9	361.89	356.7	223.86	223.27	283.83	280.38	246.71	245.11	1028.82	1019.03	312.32	304.13	653.84
168.5578	162.8844	129.97	124.438	138.8798	133.9315	68.5249	66.4638	163.8258	162.4527	257.3	253.67	362.52	356.76	228.136	222.97	283.68	278.92	246.62	242.37	1029.17	1004.91	308.05	299.46	640.6
171.7126	166.9406	124.61	124.611	141.1093	136.9222	68.432	65.7641	162.9261	161.2216	253.09	247.43	356.13	350.96	221.457	218.49	278.2	273.27	241.54	238.55	1003.28	985.88	302.16	293.22	635.24
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
172.2428	168.6903	131.53	128.4726	137.901	132.9527	69.5064	66.8343	163.3049	161.8845	252.67	247.83	355.28	351.59	220.292	218.91	278.27	274.87	241.52	239.6	1002.19	990.09	299.71	291.59	627.22
173.807	168.0276	134.29	131.585	135.7803	132.0827	71.176	68.5436	163.8258	161.9792	257.58	250.93	357.23	352.63	220.835	219.6	281.64	276.94	245.18	241.01	1027.1	995.49	306.88	297.25	639.26
172.1262	164.3849	131.17	126.4092	134.8668	130.5383	72.5769	70.0304	163.1629	161.7898	257.13	251.8	361.89	355.76	223.256	219.83	284.24	278.54	247.33	243.78	1022.94	995.72	311.55	306.91	658.51
173.5207	166.6278	125.67	124.83	133.2137	129.5704	72.7862	71.3624	164.4886	160.9848	252.31	249.18	360.43	355.95	220.22	217.24	281.8	278.47	247.56	245.04	1012.34	986.56	312.33	307.88	661.01
176.5111	172.5345	126.4	124.8761	132.8874	126.9168	73.3303	71.2729	165.1515	163.9678	253.56	250.78	363.02	357.42	216.84	216.84	283.5	278.35	251.59	246.24	997.42	979.97	316.6	309.62	678.36
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
176.0551	173.6691	128.32	125.9251	132.1697	127.95	73.401	71.5119	164.4413	162.5473	253.33	248.72	366.53	362.75	220.005	217.67	287.93	282.82	251.94	247.5	1002.18	984.03	314.19	309.87	667.13
177.3595	173.701	127.72	126.513	129.5269	122.2947	74.1231	72.2854	167.7083	163.4943	252.2	248.72	368.07	363.41	220.335	220.27	289.84	285.99	249.3	246.85	1004.56	987.04	320.42	311.54	713.87
180.6999	175.7158	132.28	131.7579	125.938	122.6754	76.9642	73.5048	167.9924	166.4773	253.23	250.55	370.5	366.57	221.335	220.85	289.83	285.86	249.98	247.83	1008.19	998.76	326.2	320.23	731.4
179.4804	176.299	134.24	132.1614	124.6873	121.6422	76.8205	73.1994	167.9451	165.8617	250.26	247.77	366.52	363.69	220.412	219.06	285.85	283.66	248.11	246.53	999.77	987.99	319.01	307.83	693.21
180.9915	177.2534	134.24	131.6427	126.2099	121.3703	74.4198	72.8398	168.75	166.3352	247.76	243.63	368.21	362.46	219.782	217.57	287.57	282.4	249.07	246.99	1001.89	983.74	308.05	303.26	672.32
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180.965	177.9958	136.48	136.1383	126.9712	118.9777	74.7957	72.4767	168.0871	166.4299	245.41	243.84	363.95	361.7	219.308	217.67	283.59	281.47	249.71	247.25	1005.36	984.8	309.2	302.96	671.31
184.0403	179.9046	138.04	136.7723	128.9288	121.5878	74.1607	72.1533	167.8977	165.8144	243.27	239.54	365.63	360.23	219.444	216.48	285.82	280.83	250.37	247.02	1006.84	994.2	309.77	302.32	685.19
184.7031	181.7338	141.56	139.4236	129.255	123.056	73.4842	69.3959	168.8447	167.0455	241.01	237.84	365.47	361.87	216.901	213.84	284.96	281.78	250.02	247.13	1002.43	990.04	310.33	301.2	683.01
185.8165	183.4305	141.21	140.2882	131.4301	126.4818	70.6193	68.8466	169.3655	166.714	244.33	238.74	366.59	361.63	214.392	214.39	286.6	282.16	250.13	246.97	1006.76	989.33	309.56	300.2	679.48
186.9565	183.5101	144.9	144.7262	135.5628	127.4062	71.9333	70.502	170.4072	167.1402	245.24	240.27	367.05	364.06	217.054	214.56	287.65	284.72	251.02	249.56	1010.93	996.04	314.13	308.38	696.33
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
189.8197	183.5101	146.63	146.2824	140.4568	135.019	72.9466	70.9316	170.9754	169.1288	243.5	239.15	368.2	364.42	216.507	212.16	288.07	284.33	250.56	246.99	1008.94	988.82	318.95	313	702.34
187.3012	180.8324	153.2	152.9683	142.6319	138.9342	73.0958	71.5662	173.4848	170.4545	240.1	233.07	363.75	355.98	210.909	201.63	284.35	277.73	248.38	244.32	985.04	941.72	315.15	307.8	687.77
187.6458	181.1241	154.52	153.6599	145.8945	140.5111	72.6789	71.1806	172.5852	170.5019	235.09	231.29	359.99	355.58	201.684	200.63	280.51	276.75	246.76	242.31	949.35	934.54	311.91	304.92	677.97
189.5016	186.1082	156.43	152.1037	146.7102	144.3176	73.6412	72.1912	171.6383	169.5076	233.52	229.8	359.11	355.94	202.727	202.01	279.27	275.88	244.09	240.91	948	935.28	308.7	302.63	676.5
191.1983	187.6988	152.1	150.0865	146.1664	144.1001	75.2614	72.7745	171.2121	169.5549	231.66	228.42	359.79	356.28	203.043	200.83	278.78	275.23	245.57	242.89	940.7	926.66	314.55	307.95	696.76
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
193.1071	190.0318	151.18	150.4323	146.3839	143.7194	75.528	73.7537	173.0587	170.6913	231.48	227.48	358	354.92	201.913	200.22	278.1	275.22	245.71	243.25	931.62	921.76	316.2	310.87	721.09
194.3266	191.5164	154.06	152.5072	151.0604	145.677	74.5672	72.6604	174.0057	171.9697	230.13	225.65	355.8	352.74	199.863	197.03	274.75	271.73	243.62	242.5	923.06	908.33	311.74	306.98	713.71
193.7964	190.0583	154.06	153.0836	149.3747	146.9821	74.8239	73.5821	174.9053	172.9167	225.72	222.42	354.09	349.43	196.144	196.14	274.16	266.43	243.2	241.45	917.77	904.72	309.45	301.36	706.35
195.0954	190.456	155.79	153.3141	150.2991	147.1452	76.5417	74.3518	174.053	169.0341	225.97	222.56	353.3	348.32	200.6	198.85	272.45	266.09	245.76	243.27	934.35	915.07	309.17	300.43	704.2
199.1994	193.3139	153.31	152.4496	147.5585	145.4486	79.8673	75.2584	170.0473	168.6174	232.84	224.56	356.85	351.82	203.456	202.61	277.33	272.38	247.71	244.59	938.91	926.56	314.11	308.42	735
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
198.0753	176.018	152.45	152.219	143.9695	141.0223	80.8317	78.2536	170.303	165.7197	223.87	220.25	358.36	354.31	203.707	202.31	277.84	272.1	247.77	245.98	945.79	935.37	318.78	312.16	743.14
178.9236	175.8908	152.51	150.3746	141.6313	137.901	79.4715	76.6542	169.0814	166.9886	217.74	215.54	352.96	348.69	201.761	198.51	273.62	268.57	243.96	242.14	939.2	917.84	314.35	307.64	722.49
181.9989	174.894	152.1	151.2968	139.6085	135.7694	79.3332	76.6466	169.7917	167.9545	220.97	217.1	355.75	351.65	202.768	202.12	275.51	269.9	244.97	242.2	956.42	938.21	317.65	305.23	729.57
176.9088	173.5154	153.83	149.2219	135.2909	132.5177	77.7865	73.5457	169.6023	166.714	217.64	212.66	352.44	346.75	202.856	199.18	269.74	265.63	242.82	239.81	954.87	939.29	305.17	290.81	693.26
181.018	175.6098	149.22	148.3573	135.4541	132.0827	75.142	72.6695	167.803	165.5777	213.69	207.62	349.65	344.52	200.806	194.42	268.69	264.2	241.12	237.39	947.68	926.31	295.61	285.23	665.92
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
179.2153	176.14	150.72	148.7608	133.9859	130.6688	73.4335	70.8593	166.9981	164.4413	207.83	202.23	344.48	338.2	193.157	189.48	265.31	259.58	237.67	233.42	931.06	894.93	286.06	276.77	637.97
181.8399	176.9088	148.76	147.5504	138.1729	131.6476	75.4089	72.1664	170.2652	166.0511	206.72	202.49	345.28	338.33	194.048	193.22	264.75	258.05	238.47	234.46	955.52	914.52	283.46	273.13	643.38
179.2153	175.1856	153.83	153.1341	141.9793	136.5416	73.738	72.0293	170.6439	166.9508	203.32	200.79	342.63	336.03	197.943	196.5	262.1	256.06	236.45	232.44	945.29	930.55	272.29	267.4	620.28
176.0074	171.0764	154.58	151.585	145.2964	140.4024	73.2866	71.3979	167.5663	165.4356	201.39	197.36	338.09	331.86	195.161	194.07	257.41	251.6	232.81	227.85	936.62	918.93	268.79	260.27	616.18
175.3181	169.4857	151.58	150.5476	147.9065	143.9369	73.4621	71.3772	168.3239	165.8617	206.33	200.71	340.23	334.23	197.861	197.71	258.62	254.13	233.73	230.58	959.32	938.57	273.67	263.37	622.66
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
178.4464	172.614	151.64	150.317	146.112	141.3812	74.327	72.4932	168.5606	165.0568	208.47	204.46	339.38	330.75	202.153	196.99	259.22	254.23	233.6	230.17	976.88	950.82	275.66	269.66	623.9
178.7911	174.2842	151.76	146.6282	145.5139	141.3812	72.9961	71.3099	164.6307	162.5	206.96	200.71	335.35	328.69	195.507	194.64	255.59	250.12	232.81	227.31	964.29	933.64	272.9	265.68	622.84
177.8102	172.2959	148.07	147.2622	144.807	142.9038	75.9221	72.2065	164.678	163.2102	207.52	201.75	337.64	332.75	198.987	198.1	257.24	253.77	234.57	231.41	970.18	955.38	278.04	271.68	645.97
175.3446	171.8452	149.28	148.2997	144.9701	143.1213	74.3078	72.4819	165.4356	163.0682	211.4	202.91	341.56	333	199.009	198.96	260.32	253.61	238	232.4	985.82	956.5	281.62	270.33	657.76
178.7911	173.701	149.8	147.8963	144.807	142.6862	74.4905	72.1891	166.1458	164.0625	211.6	207.43	344.17	338.82	204.655	202.73	262.67	259.01	238.09	234.92	985.65	964.94	283.12	277.55	661.83
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
185.1803	177.9692	147.9	145.9366	149.2115	145.4595	75.4465	71.7718	167.8977	164.1572	212.32	206.32	344.6	337.58	203.479	202.11	263.55	256.77	238.03	234.05	980.14	953.89	287.14	278.06	662.91
185.3924	180.4613	148.36	143.1124	149.6465	147.7977	75.9001	73.9416	168.6553	166.8087	213.97	212.08	346.65	342.17	206.667	205.87	264.33	257.82	239.09	237.28	983.61	974.58	291.94	287.83	675.73
185.737	182.1315	143.11	141.8444	152.6373	148.8309	76.0989	72.3424	169.3655	167.2822	218.22	212.92	344.79	340.47	207.373	205.91	260.85	257.23	238.72	236.81	987.09	971.57	290.87	283.27	673.28
186.6119	179.878	147.2	143.4006	155.4649	151.9848	72.4957	71.5514	169.4129	167.2822	218.07	214.23	341.09	333.95	204.364	201.39	259.11	251.57	237.82	235.03	979.9	958.22	283.65	274.89	647.62
192.4178	184.8887	143.52	142.3631	154.323	150.4622	73.8163	71.4253	168.1818	166.4299	221.16	216.53	341.77	337.58	203.16	203.16	262.65	258.01	238.13	235.18	986.65	973.64	281.47	274.97	639.69
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
193.5684	190.3606	146.59	145.6138	150.8211	147.8195	74.8964	72.3179	166.1932	162.0265	224.37	219.4	343.07	338.79	204.479	204.03	264.3	260.13	238.95	235.78	994.77	974.01	282.75	277.35	655.35
194.1941	190.8537	151.12	150.8934	150.9734	146.9277	74.8094	71.4757	166.4773	164.4886	226.05	222.92	345.83	341.2	209.839	209.76	268.38	264.17	240.37	238.26	1013.22	996.94	285.82	279.15	673.69
195.053	191.5536	153.95	152.6455	148.8418	145.4704	75.6085	72.4158	167.7557	164.9148	230	225.91	350.53	345.03	214.457	213.39	273.82	270.27	242.42	240.42	1025.38	1004.86	291.12	286.35	691.44
192.7784	186.2566	156.17	155.7349	148.8526	145.3072	75.3586	72.3784	167.5189	164.1098	225.74	221.32	346.11	339.95	211.64	210.15	271.6	264.78	240.81	238.35	1013.03	987.44	286.83	280.4	680.53
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	222.26	218.96	341.44	337.93	209.301	208.04	265.51	261.84	240.56	237.56	988.8	976.73	284.1	278.67	680.78
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
191.6755	188.123	159.42	158.9625	148.1784	143.9913	76.7132	74.6299	165.8617	163.8731	222.11	217.47	343.18	336.94	207.429	207.21	267.17	261.13	240.86	237.94	990.64	974.83	288.84	278.33	692.76
195.0424	191.6755	160.12	158.9049	148.7221	143.1756	78.6643	74.8442	167.1402	164.4413	225.75	219.31	345.59	339.66	211.481	207.98	269.32	264.26	243.03	239.68	999.25	964.72	293.16	284.14	704.51
193.7434	189.6076	160.86	156.7147	145.7858	143.4475	75.9815	71.4492	166.6667	163.8258	218.65	214.13	342.76	337.27	207.075	203.78	267.43	262	239.17	236.43	971.61	946.59	287.51	277.51	701.3
194.3796	190.403	156.71	154.5821	147.9065	145.1876	79.497	73.9114	167.9451	164.4886	221.24	214.39	345.21	337.55	207.353	206.08	269.16	263.5	240.79	236.01	976.33	944.85	295.4	281.96	708.56
191.9406	191.9406	156.83	153.0836	146.3839	143.7194	80.037	71.9421	168.1818	164.9621	225.37	222.33	347.62	344.35	214.518	213.47	272.41	269.72	241.97	240.07	983.04	976.17	292.88	289.12	697.16
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
194.7508	186.1082	153.14	152.219	148.0696	144.8613	75.4127	69.3302	168.2765	166.0038	225.83	221.63	347.54	344.07	215.209	212.72	272.66	268.67	243.17	240.55	979.1	963.93	293.59	285.12	701.81
187.0095	178.7911	154.58	153.6023	147.3083	143.7738	70.3725	64.9576	167.3769	165.0095	224.32	219.3	347.29	340.92	215.005	213.31	271.35	264.29	242.81	240	982.11	953.3	286.98	273.3	669.76
184.1729	177.28	154.47	153.4294	148.124	145.9489	65.7365	64.1548	166.8561	163.6364	220.04	210.57	341.01	333.6	209.239	206.39	267.07	261.17	240.52	234.43	962.56	927.29	278.35	268.92	667.02
186.0551	180.0106	155.62	151.7579	147.0908	144.3719	66.6461	64.4901	168.4659	164.2992	217.67	209.75	342.12	329.33	212.167	203.9	269.34	259.32	239.97	233.14	961.85	916.5	281.01	271.85	630.6
187.1156	179.4804	151.76	142.0749	147.5802	143.665	67.3321	63.7521	168.4659	161.9792	216.2	204.01	341.85	323.98	202.131	196.63	269.8	253.46	237.85	227.75	958.19	884.04	284.32	262.19	627.35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
192.3913	186.7179	144.84	144.438	151.4954	146.547	69.2055	67.1453	171.733	168.3712	228.12	222.76	357.05	348.25	214.664	214.66	284.69	275.86	246.02	241.17	1000.39	971.19	303.52	292.36	654.83
194.3001	188.2025	149.28	148.8761	153.0723	148.0696	70.2782	68.6567	172.1591	168.2292	234.82	228	361.24	357.11	220.33	219.61	288.95	286.05	252.29	247.71	1023.93	1003.88	307.78	301.92	662.33
189.9258	186.6914	152.16	148.2421	150.6797	148.2327	72.6867	69.4887	172.1591	168.7027	240.91	235.74	365.68	362.26	225.315	225.26	292.94	290.02	255.85	253.3	1051.33	1030.23	312.72	306.33	676.08
192.5239	186.5536	152.45	150.4899	150.9516	147.9608	72.7788	71.3135	174.1477	170.928	241.68	239.07	367.09	364.54	228.53	226.88	295.37	291.9	257.47	255.66	1059.07	1044.84	316.68	313.25	685.7
194.6713	191.5429	152.8	150.6052	154.2686	149.9184	73.0749	71.

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255.9385	253.1548	247.32	245.245	210.2773	204.8396	158.5294	156.4631	205.5871	202.6989	181.39	178.96	358.92	356.36	183.063	182.68	305.97	302.45	232.15	229.41	833.7	821.31	385.76	381.94	1148.21							
253.8971	250.8484	248.76	247.7233	211.4192	204.9483	158.8743	157.2268	209.6117	203.8826	181.07	178.54	358.35	353.96	183.738	181.64	305.91	303.23	232.72	230.72	822.34	815.76	386.63	383.86	1181.87							
252.1209	249.5758	254.64	254.6398	207.9935	205.0027	158.9176	157.2607	203.9773	199.858	180.96	179.47	357.41	354.06	182.788	182.49	305.33	303.99	232.15	231.01	825.36	814.09	386.28	382.53	1192							
251.6702	249.3107	261.56	256.3112	210.5492	205.6552	159.2886	157.5464	204.8769	200.2367	181.93	178.54	357.56	350.81	183.17	180.89	305.05	302	231.14	229.15	816.02	802.95	384.72	378.74	1190.58							
248.6214	242.5769	259.83	259.3084	215.0625	209.081	158.5985	156.7502	204.4034	201.7992	181.05	178.14	352.28	349.91	180.73	180.44	302.52	300.75	230.74	228.22	810.82	802.89	379.92	376.35	1173.5							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
244.5652	241.7815	261.79	260.2882	216.4763	214.1925	158.7883	157.0098	208.4754	205.0189	179.03	177.16	350.99	347.43	181.337	179.51	300.65	297.01	231.95	229.25	809.58	799.58	381.36	378.08	1176.34							
244.4062	241.9141	262.19	260.6916	223.8173	214.2469	158.2289	156.1668	211.7898	206.8182	181.35	178.8	353.53	349.58	181.089	180.49	301.51	297.62	234.49	232.16	815.12	806.32	384.74	380.07	1186.99							
245.7317	242.2587	265.3	264.7262	225.2311	222.5122	157.1124	155.8224	209.4697	205.7292	181.67	177.54	354.28	349.51	183.719	181.61	303.23	299.92	234.41	231.88	818.17	808.11	385.5	380.5	1188.16							
245.3871	242.789	267.32	264.9568	225.503	221.8053	157.0212	154.2142	205.9659	202.6515	178.22	176.03	351.21	347.74	180.957	180.82	300.73	297	233.14	231.43	809.08	801.24	383.23	379.31	1182							
246.368	243.3457	266.8	262.3631	226.1555	222.186	157.1473	155.8182	206.5814	202.7936	177.7	174.81	351.7	348.89	181.7	180.9	298.3	296.62	233.2	230.74	803.47	793.51	382.67	379.49	1181.38							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
244.1676	240.2969	269.22	263.3084	225.7966	222.9473	159.1883	156.0131	207.6705	201.7045	175.82	173.79	351.36	346.92	180.753	180.46	297.41	295.19	230.61	229.03	794.89	788.99	381.83	379.16	1179.2							
242.7306	238.5154	274.24	272.8069	227.5476	223.665	159.4581	157.4922	211.1742	206.9129	177.25	173.41	351.15	345.93	180.887	180.15	298.88	295.03	232.46	228.19	799.26	788.15	384.26	378.46	1205.28							
244.8621	240.0371	285.69	281.8905	229.8097	226.286	159.8033	158.1038	211.553	208.4754	177.55	176.08	353.64	349.69	182.702	181.29	301.67	297.81	232.34	230.69	799.06	791.41	384.92	382.12	1229.43							
245.228	238.8653	293.12	292.5994	230.3208	224.5568	161.1345	159.3902	213.2576	211.2216	180.41	176.52	357.87	351.88	182.138	182.14	303.54	300.18	235.95	231.64	815.63	799.21	390.16	384.24	1245.99							
239.7667	234.6501	303.92	303.4006	239.5867	228.4937	161.7173	160.5017	214.678	211.4583	180.89	179.08	359.35	355.67	184.824	184.79	305.86	302.08	238.19	235.62	823.57	815.11	393.53	388.29	1260.24							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
240.456	236.4528	303.4	300.5187	239.6955	235.4541	162.3722	161.3253	217.3295	214.536	182.93	179.71	361.92	358.87	187.397	186.01	306.09	304.41	238.34	235.99	818.15	809.88	394.83	391.52	1263.63							
238.4677	229.9841	300.52	298.5591	242.4687	235.8891	163.8627	162.0668	218.2292	214.9621	180.67	179.23	362.93	359.78	186.305	185.82	305.92	303.75	236.09	234.99	825.57	809.21	393.85	390.21	1253.21							
NA	NA	306.22	NA	NA	NA	NA	NA	NA	NA	179.9	178.09	359.83	357.52	188.371	186.53	304.09	301.13	234.87	233.83	822.06	815.6	391.18	388.09	1251.71							
0	0	306.22	0	0	0	0	0	0	0	179.53	177.04	361.02	358.46	186.263	185.61	302.82	300.13	234.78	233.28	819.8	812.42	390.13	386.64	1247.19							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	299.31	0	0	0	0	0	0	0	181.26	177.97	360.13	357.35	186.972	186.39	303.1	301.53	234.12	232.24	819.02	812.83	391.61	388.34	1252.02							
0	0	296.95	0	0	0	0	0	0	0	182.23	180.24	360.31	357.92	187.613	186.9	302.84	301.24	233.24	231.24	815.91	804.18	390.43	386.44	1248.44							
0	0	296.6	0	0	0	0	0	0	0	182.53	179.13	361.3	356.51	186.911	186	301.98	299.59	232.02	229.55	807.54	799.6	392.19	388.37	1268.24							
0	0	302.19	0	0	0	0	0	0	0	185.46	183.12	362.85	360.55	188.257	187.47	305.9	303.75	233	231.34	809.84	802.77	397.53	393.98	1282.29							
0	0	297.35	0	0	0	0	0	0	0	186.19	183.94	365.02	360	188.494	187.96	305.8	302.93	233.55	231.79	811.21	801.43	395.09	391.72	1284.43							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	297.75	0	0	0	0	0	0	0	185.52	184.88	366.62	364.64	190.011	189.62	305.91	303.38	235.47	233.27	817.79	808.66	393.92	390.35	1286.29							
0	0	299.14	0	0	0	0	0	0	0	185.67	184.59	366.03	363.21	191.396	190.92	305.02	302.59	236.21	234.98	822.95	816.25	392.51	389.42	1278.34							
0	0	293.43	0	0	0	0	0	0	0	183.84	181.79	363.02	361.05	189.974	188.74	302.36	299.81	234.81	233.66	821.41	814.05	389.2	385.43	1277.37							
0	0	295.22	0	0	0	0	0	0	0	183.03	180.61	363.29	361.21	188.558	187.5	301.19	299.55	237.26	231.96	815.3	809.43	386.48	383.3	1285.7							
0	0	295.73	0	0	0	0	0	0	0	182.7	179.76	362.09	360.17	188.472	188.21	300.65	299.51	237.25	235.65	816.99	811.36	388	385.59	1290.97							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	302.65	0	0	0	0	0	0	0	183.31	179.37	362.9	359.81	191.318	190.61	301.38	298.23	239.11	236.2	820.55	813.17	388.76	384.21	1280.7							
0	0	301.56	0	0	0	0	0	0	0	184.56	182.61	361.74	359.45	191.366	189.66	299.45	297.88	239.26	238.22	823.98	816.81	383.66	378.35	1260.78							
0	0	297.33	0	0	0	0	0	0	0	187.77	184.14	362.4	359.24	189.83	189.4	302.26	298.6	242.25	238.58	832.54	820.8	380.56	376.83	1258.94							
0	0	294.89	0	0	0	0	0	0	0	188.91	187.2	362.5	359.01	191.668	190.37	301.23	299.24	242.56	241.51	844.6	835.08	380.17	377.99	1267.53							
0	0	294.2	0	0	0	0	0	0	0	189.46	187.5	360.43	356.77	192.625	191.37	301.46	300.17	241.79	241.25	841.74	834.77	379.92	377.49	1264.73							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	290.12	0	0	0	0	0	0	0	188.63	186.1	356.95	353.38	191.291	188.6	300.65	297.53	241.7	239.48	835.79	828.05	378.56	375	1257.18							
0	0	281.67	0	0	0	0	0	0	0	187.43	184.02	355.63	349.7	188.254	186.4	299.43	295.48	239.06	237.41	833.16	821.76	377.87	371.43	1251.91							
0	0	280.12	0	0	0	0	0	0	0	184.6	181.91	350.55	348.31	186.481	185.38	298.09	295.08	237.47	235.86	823.66	816.59	375.62	371.64	1239.4							
0	0	281.96	0	0	0	0	0	0	0	183.41	182.19	352.2	348.77	186.288	185.9	303.61	298.84	239.24	236.8	831.91	820.84	377.76	375.23	1243.17							
0	0	279.08	0	0	0	0	0	0	0	184.13	182.07	351.13	348.96	187.811	186.92	302.11	300.37	239.96	238.4	832.71	827.49	377.37	374.69	1241.01							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	277.75	0	0	0	0	0	0	0	184.96	182.53	349.33	346.51	187.564	187.17	300.47	298.98	239.14	237.95	830.37	826.15	377.7	374.4	1239.92							
0	0	278.04	0	0	0	0	0	0	0	185.63	184.98	348.66	346.33	187.727	186.98	299.61	297.51	238.3	237.6	831.6	824.05	377.79	375.64	1236.26							
0	0	279.6	0	0	0	0	0	0	0	185.43	183.89	349.38	347.1	187.339	186.27	298.82	296.96	238.81	237.13	827.84	823.43	377.87	374.78	1238.65							
0	0	284.55	0	0	0	0	0	0	0	185.42	183.8	350.16	347.5	186.247	186.18	299.25	296.91	238.98	236.79	830.46	824.25	378.26	376.42	1240.44							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	184.19	183.02	349.57	345.72	185.733	184.46	297.95	296.5	237.01	234.43	826.63	822.95	378.65	377.55	1250.54							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	285.24	0	0	0	0	0	0	0	183.45	181	345.97	341.38	184.194	182.31	296.85	294.07	234.2	232.54	825.82	817.97	378.39	376.01	1235.05							
0	0	288.93	0	0	0	0	0	0	0	181.83	180.41	345.12	340.95	183.897	182.75	295.98	294.03	235.06	232.4	826.19	818.83	381.05	376.65	1238.7							
0	0	292.39	0	0	0	0	0	0	0	180.42	177.22	345.46	343.03	183.649	182.46	294.09	290.93	233.52	232.17	823.89	813.93	380.17	375.88	1228.94							
0	0	288.59	0	0	0	0	0	0	0	178.87	177.13	344.74	342.4	183.756	183.05	291.48	289.56	232.38	231.02	845.68	821.06	379.55	375.38	1208.78							
0	0	289.74	0	0	0	0	0	0	0	177.55	175.19	346.24	341.11	183.093	181	290.76	286.87	231.61	229.37	848.53	834.54	380.45	376.5	1205.45							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	288.76	0	0	0	0	0	0	0	177.83	173.75	344.29	341.4	182.295	180.21	287.93	284.5	230.84	229.52	847.3	838.79	379.03	375.94	1210.5							
0	0	288.99	0	0	0	0	0	0	0	182.04	176.74	350.09	341.26	180.923	180.49	288.72	284.15	234.95	229.61	860.65	850.18	379.45	375.33	1239.4							
0	0	292.56	0	0	0	0	0	0	0	183.05	180.5	348.69	345.89	183.477	181.76	289.48	287.01	235.58	234.3	864.03	856.14	379.88	375.23	1238.76							
0	0	289.11	0	0	0	0	0	0	0	183.28	181.73	350.7	347.23	182.648	181.62	289.56	286.62	235.12	234.12	865.39	856.76	380.55	377.93	1233.15							
0	0	285.69	0	0	0	0	0	0	0	181.74	179.72	350.43	348.22	182.955	181.58	289	287.31	234.19	230.85	871.51	862.01	381.12	378.82	1231.39							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	283.11	0	0	0	0	0	0	0	178.94	177.63	350.1	346.62	182.582	181.27	287.09	284.42	230.5	229.4	869.06	860.8	380.95	378.43	1248.94							
0	0	280.02	0	0	0	0	0	0	0	178.55	175.1	350.18	344.05	184.465	182.37	285.73	281.84	230.33	227.89	863.77	849.12	381.24	376.53	1253.07							
0	0	280.22	0	0	0	0	0	0	0	175.66	173.18	345.34	341.9	182.38	181.72	283.22	281.38	229.11	227.44	859.32	849.45	377.28	372.66	1249.44							
0	0	284.09	0	0	0	0	0	0	0	176.25	173.84	344.23	341.67	184.361	183.69	282.91	281.12	231.11	228.83	856.54	848.74	375.35	373.25	1257.03							
0	0	282.07	0	0	0	0	0	0	0	175.82	173.44	343.75	340.43	184.142	182.32	282.45	280.4	229.51	226.96	848.57	842.92	374.06	371.8	1262.27							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	281.79	0	0	0	0	0	0	0	175.91	174.36	344.79	342.55	183.408	182.28	284.82	281.44	230.06	229	855.01	840.42	375.03	371.32	1263.78							
0	0	283.11	0	0	0	0	0	0	0	175.16	174.8	342.05	341.55	181.867	180.73	284.54	283.73	229.92	229.41	839.28	831.13	374.05	372.66	1255.95							
0	0	283.86	0	0	0	0	0	0	0	174.94	173.23	341.84	340.11	180.841	179.34	285.3	283.5	229.58	227.29	845.14	836.33	374.78	369.58	1269.9							
0	0	288.82	0	0	0	0	0	0	0	175.58	171.64	341.61	337.89	179.71	177.27	287.59	284.52	227.5	225.44	839.18	823.35	368.83	359.99	1267.65							
0	0	286.4	0	0	0	0	0	0	0	169.74	167.24	338.52	335.82	176.758	175.74	285.3	282.62	225.89	224.15	825.16	815.17	360.83	356.53	1250.11							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	287.09	0	0	0	0	0	0	0	172.26	168.15	339.81	335.22	176.378	176.2	285.35	282.6	227.96	224.65	822.56	813.1	360.6	358.4	1249.78							
0	0	289.45	0	0	0	0	0	0	0	175.28	171.87	340.49	337.01	178.663	177.03	287.32	282.65	230.47	227.34	819.46	812.96	360.75	358.05	1246.07							
0	0	291.07	0	0	0	0	0	0	0	174.89	170.65	341.53	338.43	177.876	177.44	289.19	286.02	230	228.03	818.22	810.56	359.38	356.99	1211.92							
0	0	284.15	0	0	0	0	0	0	0	172.19	170.36	341.65	337.08	178.443	176.39	290.61	288.22	230.27	226.42	817.96	802.28	360.22	356.66	1214.2							
0	0	282.07	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	287.78	0	0	0	0	0	0	0	170.09	168.16	338.05	335.06	176.421	174.38	288.21	285.6	226.02	224.32	801.68	794	357.56	354.13	1201.82							
0	0	285.36	0	0	0	0	0	0	0	169.63	167.18	336.44	331.69	174.615	173.04	289	286.65	225.14	222.25	799.37	788.5	356.38	354.3	1199.98							
0	0	282.48	0	0	0	0	0	0	0	170.25	165.65	333.93	330.13	172.087	171.95	287.37	284.73	223.63	220.59	799.44	785.42	355.81	352	1201.44							
0	0	282.77	0	0	0	0	0	0	0	170.16	166.91	331.98	328.22	173.655	170.4	285.9	281.87	225.68	220.45	797.85	788.05	352.92	346.34	1189.63							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	279.48	0	0	0	0	0	0	0	173.66	169.66	333.06	329.17	173.22	172.21	285.98	282.56	228.27	224.68	806.74	792.91	350.27	346.56	1203.88							
0	0	279.31	0	0	0	0	0	0	0	178.55	174.03	340.11	333.39	175.171	174.92	288.29	285.16	233.46	229.32	823.73	806.57	354.04	350.53	1219.86							
0	0	280.69	0	0	0	0	0	0	0	178.02	174.66	340.06	337.95	176.276	174.47	289.32	286.99	232.86	231.17	818.34	805.26	353.86	351.08	1222.91							
0	0	273.78	0	0	0	0	0	0	0	181.4	176.95	343.93	337.67	175.431	174.35	288.74	286	233.46	228.77	815.67	802.24	352.83	349.38	1216.92							
0	0	280.52	0	0	0	0	0	0	0	181.47	178.96	344.07	339.9	177.764	176.72	289.03	286.91	235.87	233.05	823.32	811.31	353.71	350.99	1216.18							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	277.93	0	0	0	0	0	0	0	183.65	179.75	342.69	340.51	178.725	177.67	288.88	287.17	237.67	236.34	824.32	812.44	355.5	352.19	1222.28							
0	0	284.84	0	0	0	0	0	0	0	180.7	179.29	343.72	340.7	178.105	177.15	289.26	286.36	237.44	236.01	824.16	816.65	352.27	349.13	1213.57							
0	0	287.72	0	0	0	0	0	0	0	180.64	179.43	344.65	341.57	178.19	177.54	290.29	288.48	237.14	234	831.04	825.46	351.36	348.49	1211.25							
0	0	294.18	0	0	0	0	0	0	0	180.11	178.05	344.43	341.57	177.643	177.33	290.36	288.36	233.57	232.18	832.89	824.2	350.81	348.64	1211.2							
0	0	293.2	0	0	0	0	0	0	0	178.93	176.59	344.03	341.45	177.664	177.02	291.18	288.14	234.48	232.55	831.03	826.44	352.05	348.51	1208.58							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
0	0	298.73	0	0	0	0	0	0	0	179.24	175.93	343.67	339.57	176.974	175.25	290.58	286.88	233.24	230.46	828.42	821.93	350.07	347.93	1188.78							
0	0	298.1	0	0	0	0	0	0	0	177.29	175.05	340.07	337.09	174.99	172.79	286.24	283.78	230.26	228.74	826.72	817.58	347.56	344.27	1180.54							
0	0	291.18	0	0	0	0	0	0	0	178.59	175.88	339.51	335.47	173.606	172.33	286.56	284.68	230.59	228.73	829.64	820.98	346.3	342.26	1183.17							
0	0	288.65	0	0	0	0	0	0	0	175.88	170.84	335.89	331.85	173.309	172.16	286.52	282.56	229.15	224.88	821.3	812.01	342.88	338.67	1167.39							
0	0	295.56	0	0	0	0	0	0	0	173.41	169.56	336.89	331.87	172.76	172.18	285.62	282.99	227.84	224.5	827.76	812.12	341.68	338.14	1157.99							
NA	NA	NA	NA	NA	NA	NA	NA	NA

	0	0	218.39	0	0	0	0	0	0	0	0	171.7	170.14	311.14	307.28	173.461	171.67	268.45	265.95	224.27	222.31	843.79	834.62	331.84	327.95	1123.13
	0	0	217.18	0	0	0	0	0	0	0	0	169.98	164.93	307.56	301.95	171.66	169.4	266.91	263.43	222.42	220.09	841.92	815.4	331.2	325.8	1119.16
	0	0	219.02	0	0	0	0	0	0	0	0	166.26	158.7	302.79	300.56	169.208	168.38	263.93	261.25	221.46	219.39	827.3	813.59	327.33	323.92	1117.14
	0	0	214.7	0	0	0	0	0	0	0	0	160.17	157.47	303.35	299.6	169.013	167.99	265.84	262.56	220.77	218.43	833	822.31	327.03	322.79	1116.08
	0	0	214.06	0	0	0	0	0	0	0	0	162.28	159.16	305.89	300.28	169.955	169.7	268.56	264.89	224.68	221	856.87	833.82	331.15	325.56	1126.6
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	218.56	0	0	0	0	0	0	0	0	164.24	159.03	305.14	299.99	172.61	170.31	267.8	262.91	224.98	221.5	858.2	839.27	333.4	327.42	1128.62
	0	0	215.85	0	0	0	0	0	0	0	0	169.03	163.32	305.35	300.6	171.53	169.42	266.39	262.31	225.32	222.14	859.98	848.76	336.41	331.88	1136.39
	0	0	216.25	0	0	0	0	0	0	0	0	169.22	164.67	306.18	299.61	169.737	168.08	266.51	261.42	227.23	221.94	872.81	842.43	335.26	328.26	1149.49
	0	0	215.73	0	0	0	0	0	0	0	0	166.95	164.82	304.08	301.5	170.378	169.69	266.21	263.36	224.41	221.24	863.72	851.54	334.82	331.86	1149.17
	0	0	217.41	0	0	0	0	0	0	0	0	168.5	164.66	304.59	300.57	170.349	169.55	267.64	264.55	223.04	220.38	881.21	835.97	340.63	331.93	1143.74
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	216.77	0	0	0	0	0	0	0	0	175.62	169.13	310.2	303.44	171.437	171	271.92	266.18	230.15	223.38	901.27	878.37	348.4	339.8	1175.61
	0	0	214.29	0	0	0	0	0	0	0	0	176.99	174.01	311.16	308.33	176.227	175.97	273.4	270.15	232.21	228.57	906.56	891.17	351.7	346.87	1198.05
	0	0	214.35	0	0	0	0	0	0	0	0	178.15	174.77	309.93	307.84	176.974	176.71	272.87	269.92	233.26	230.62	910.1	902.31	351.83	349.49	1206.53
	0	0	212.97	0	0	0	0	0	0	0	0	177.4	174.87	309.43	307.71	177.049	176.76	271.27	268.78	232.61	231.01	909.26	902.43	351.69	348.65	1203.71
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	178.02	176.74	308.17	307	178.376	178.02	270.75	269.13	231.56	230.58	907.34	900.49	350.09	346.87	1197.8
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	211.87	0	0	0	0	0	0	0	0	179.07	177.07	308.42	305.7	178.724	177.23	270.77	268.07	231.48	229.91	905.67	888.22	349.2	340.4	1193.97
	0	0	212.68	0	0	0	0	0	0	0	0	179.52	177.1	306.78	305.19	177.434	176.88	268.73	266.82	231.21	229.57	898.01	888.74	347.88	345.76	1191.38
	0	0	211.07	0	0	0	0	0	0	0	0	178.57	176.49	307.05	304.28	178.203	175.93	268.11	264.74	230.78	229	899.61	886.54	348	345.34	1201.42
	0	0	209.05	0	0	0	0	0	0	0	0	176.23	173.92	306.08	302.98	176.192	173.75	266.04	260.48	228.82	225.62	889.4	871.56	346.13	342.75	1200.52
	0	0	206.05	0	0	0	0	0	0	0	0	176.39	174.75	307.09	304.71	175.6	175.02	264.08	261.57	228.48	226.16	885.54	875.66	348.59	345.76	1204.5
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	205.03	0	0	0	0	0	0	0	0	176.23	172.3	308.35	304.79	174.978	174.38	263.59	261.75	226.23	223.89	895.01	884.21	349.93	345.36	1188.87
	0	0	201.59	0	0	0	0	0	0	0	0	173.53	171.95	306.59	303.28	174.049	172.37	263.27	260.76	225.41	223.35	898.31	887.73	348.05	345.05	1180.09
	0	0	199.84	0	0	0	0	0	0	0	0	174.04	171.97	304.21	302.1	172.928	171.58	264.52	260.81	225.05	223.55	890.89	885.83	346.98	344.37	1175.55
	0	0	197.18	0	0	0	0	0	0	0	0	173.63	171.48	303.94	300.88	172.126	169.8	264.68	263.25	224.09	222.79	892.77	882.95	346.83	342.48	1173.63
	0	0	199.71	0	0	0	0	0	0	0	0	171.93	171.14	302.07	300.18	170.01	168.8	266.36	263.91	223.36	221.81	888.33	878.36	345.38	342.86	1185.37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	199.83	0	0	0	0	0	0	0	0	172.74	170.09	300.83	298.25	169.466	167.26	266.28	264.49	222.8	220.58	891.09	883.52	346.51	343.37	1179.84
	0	0	200.75	0	0	0	0	0	0	0	0	172.9	170.76	302.04	297.2	167.285	167.12	269	263.86	222.72	220.71	897.21	885.26	346.61	343.58	1190.99
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	196.95	0	0	0	0	0	0	0	0	171.78	171.25	301.51	300.56	168.854	168.08	267.96	267.11	222.23	221.93	894.51	888.79	345.63	343.52	1188.33
	0	0	195.91	0	0	0	0	0	0	0	0	172.74	170.64	301.7	299.95	168.124	167.64	268.73	265.94	222.82	222.04	897.38	884.29	345.47	342.86	1182.95
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	197.46	0	0	0	0	0	0	0	0	171.08	167.57	300.5	298.79	168.734	167.23	267.24	265.82	222.53	220.67	892.73	887.61	344.75	342.12	1166.18
	0	0	196.66	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	197.98	0	0	0	0	0	0	0	0	167.37	166.73	298.41	296.07	167.292	166.59	265.49	263.85	220.11	219.93	890.41	882.32	342.57	340.53	1143.92
	0	0	198.73	0	0	0	0	0	0	0	0	167.64	166.04	296.11	293.27	166.627	164.96	264.34	261.88	219.92	218.21	885.85	878.89	340.62	336.8	1139.44
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	198.85	0	0	0	0	0	0	0	0	166.65	163.09	297.19	294.26	166.092	164.98	263.27	261.22	218.54	216.46	884.33	876.78	337.24	334.26	1131.4
	0	0	199.14	0	0	0	0	0	0	0	0	165.34	162.43	296.89	293.48	166.398	164.83	262.79	260.16	216.37	212.93	877.26	861.46	334.98	332.07	1129.79
	0	0	199.08	0	0	0	0	0	0	0	0	162.29	160.39	293.59	291.41	164.013	163.29	259.79	256.98	212.27	210.24	858.2	848.15	329.31	325.12	1129.55
	0	0	197.46	0	0	0	0	0	0	0	0	162.94	160.68	293.02	291	162.846	161.82	258.22	255.76	211.02	209.56	849.44	840.4	327.17	325.13	1155.68
	0	0	199.71	0	0	0	0	0	0	0	0	161.55	157.61	293.26	288.39	162.733	160.88	258.79	255.69	210.8	208.59	849.04	833.49	328.28	323.39	1163.7
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	200.98	0	0	0	0	0	0	0	0	158.94	157.43	291.4	289.21	160.619	160.45	256.62	255.21	210.58	208.99	842.37	832.75	326.04	324.14	1156.89
	0	0	202.88	0	0	0	0	0	0	0	0	160.56	157.84	293.7	290.94	161.67	161.52	257.64	256.05	211.24	209.59	849.31	842.54	329.31	326.58	1185.56
	0	0	202.36	0	0	0	0	0	0	0	0	162.72	160.57	294.73	290.95	162.299	162.28	259.48	256.23	212.55	211.12	859.53	848.96	332.21	328.81	1202.93
	0	0	204.55	0	0	0	0	0	0	0	0	163.65	161.98	294.83	292.55	163.335	162.89	260.69	257.92	213.77	211.65	866.83	851.76	333.85	330.78	1209.52
	0	0	207.15	0	0	0	0	0	0	0	0	164.32	162.15	294.22	292.27	163.623	162.74	260.9	258.9	213.38	212	864.64	853.09	333.06	330.75	1201.8
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	205.19	0	0	0	0	0	0	0	0	163.25	162.3	292.52	288.81	163.132	161.73	259.17	256.53	211.95	209.97	854.65	843.53	332.97	329.59	1200.93
	0	0	204.44	0	0	0	0	0	0	0	0	165.41	162.09	295.93	291.1	163.195	163.2	261.53	258.28	211.79	210.34	847.28	839.58	331.26	327.76	1202.15
	0	0	205.19	0	0	0	0	0	0	0	0	164.55	163.06	296.47	293.51	165.305	164.11	264.49	260.71	213.18	210.22	850.88	839.97	334.04	329.8	1216.53
	0	0	205.13	0	0	0	0	0	0	0	0	168.54	163.77	299.85	295.01	165.681	165.36	269.27	264.53	217.69	212.96	857.73	848.81	337.56	333.3	1238.08
	0	0	208.53	0	0	0	0	0	0	0	0	169.61	167.73	303.51	299.17	167.923	167.92	270.16	267.66	217.85	216.53	862.49	854.13	339.1	335.95	1250.07
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	208.82	0	0	0	0	0	0	0	0	170.91	168.8	306.61	304.42	169.576	168.96	270.73	268.62	217.18	215.92	863.96	857.15	339.29	337.89	1250.76
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	173.52	172.31	305.86	304.11	169.045	168.61	270.05	268.18	216.09	214.93	864.55	860.12	339.69	338.48	1242.19
	0	0	208.59	0	0	0	0	0	0	0	0	172.97	170.47	305.65	303.55	168.669	167.79	269.62	267.44	215.12	211.61	865.78	858.27	339.28	338.14	1240.89
	0	0	208.41	0	0	0	0	0	0	0	0	171.07	169.5	305.26	303.29	167.728	167.73	270.82	267.38	212.34	211.21	860.73	853.37	342.05	338	1245.7
	0	0	207.03	0	0	0	0	0	0	0	0	171.68	169.91	305.67	303.66	168.965	168.67	271.39	269.7	212.33	210.74	863.3	857.41	343.02	341.01	1265.28
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	206.74	0	0	0	0	0	0	0	0	170.54	168.59	304.92	302.63	169.168	168.58	270.51	267.66	211.41	209.59	864.33	855.21	343.37	341.3	1266.31
	0	0	208.82	0	0	0	0	0	0	0	0	170.3	168.07	303.93	300.09	168.995	167.04	269.68	265.13	210.62	209.01	859.33	845.03	342.45	339.37	1270.09
	0	0	209.63	0	0	0	0	0	0	0	0	170.15	168.17	303.47	300.52	168.385	167.89	268.8	266.15	211.74	209.71	853.3	846.42	342.79	338.31	1284.3
	0	0	207.26	0	0	0	0	0	0	0	0	170.72	168.54	305.74	302.7	169.937	169.74	271.47	268.05	212.74	211.35	863.56	859.26	340.6	338.89	1289.02
	0	0	207.26	0	0	0	0	0	0	0	0	171.71	168.55	306.93	300.98	171.336	169.75	272.12	265.73	213.76	211.85	867.65	857.35	342.72	339.05	1310.4
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	208.13	0	0	0	0	0	0	0	0	170.14	167.52	304.46	302.12	170.665	169.83	267.77	265.8	212.95	211.43	866.64	856.17	340.5	337.67	1310.05
	0	0	207.03	0	0	0	0	0	0	0	0	168.27	165.91	304.75	300.57	170.17	169.65	273.95	266.9	212	210.64	858.2	848.92	337.27	335.56	1303.99
	0	0	209.28	0	0	0	0	0	0	0	0	168.77	165.26	305.41	301.2	169.659	168.93	273.96	268.52	211.02	208.31	852.92	842.63	335.37	332.98	1291.5
	0	0	208.69	0	0	0	0	0	0	0	0	172.21	167.44	304.36	301.59	169.739	169.02	271.59	268.98	212.2	210.28	854.85	837.23	338.56	335.79	1306.64
	0	0	208.77	0	0	0	0	0	0	0	0	172.54	170.41	303.21	300.54	170.665	168.83	271.58	269.6	211.52	209.43	853.92	844.32	339.2	337.73	1313.16
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	206.81	0	0	0	0	0	0	0	0	171.1	168.65	302.66	297.79	170.443	168.38	271.02	268.5	209.51	207.85	856.13	843.52	338.96	335.48	1302.98
	0	0	203.62	0	0	0	0	0	0	0	0	174.04	170.32	305.71	298.53	170.549	169.86	275.31	269.88	211.44	209.4	870.86	851.46	345.23	339.43	1329.73
	0	0	201.38	0	0	0	0	0	0	0	0	171.69	169.15	302.77	300.56	172.045	171.09	273.96	271.6	210.91	209.6	863.15	855.87	342.64	340.92	1329.77
	0	0	203.46	0	0	0	0	0	0	0	0	172.12	169.63	302.57	299.6	172.513	171.62	272.2	270.33	211.11	209.11	859.53	853.25	342.22	340	1318.74
	0	0	203.63	0	0	0	0	0	0	0	0	170.45	167.73	302.87	300.25	173.843	173.39	271.29	268.46	211.34	210.5	865.19	855.44	342	339.74	1314.03
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	203.69	0	0	0	0	0	0	0	0	168.42	165.67	301.75	299.81	173.347	173.08	271.09	268.82	211.36	209.51	860.66	840.06	341.6	339.46	1307.21
	0	0	205.59	0	0	0	0	0	0	0	0	166.3	165.03	300.99	297.92	173.888	170.5	270.39	268.08	211.09	209.61	841.62	831.89	340.3	335.34	1321.18
	0	0	208.41	0	0	0	0	0	0	0	0	166.64	164.01	303.06	298.69	171.484	171.08	272.61	269.15	211.79	210.23	845.07	837.82	345.1	340.11	1331.42
	0	0	210.61	0	0	0	0	0	0	0	0	164.18	161.65	301.45	297.58	173.203	170.07	271.83	269.74	210.66	209.36	843.68	838.49	339.81	333.7	1333.33
	0	0	211.99	0	0	0	0	0	0	0	0	163.82	161.71	298.86	296.16	170.243	169.53	271.46	268.93	211.83	210.36	844.69	838.97	334.9	332.69	1326.71
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	208.47	0	0	0	0	0	0	0	0	163.51	161.66	298.09	295.33	169.347	168.89	270.72	269.05	211.1	209.87	846.49	837.79	335.9	331.75	1325.24
	0	0	206.57	0	0	0	0	0	0	0	0	165.08	162.39	296.91	293.72	171.568	170.62	269.98	268.06	211.24	210.01	849.7	843.24	332.38	330.88	1316.36
	0	0	203.23	0	0	0	0	0	0	0	0	160.17	158.34	298.01	294.26	171.012	170.5	269.19	267.47	210.57	208.91	847.59	839.64	331.34	328.93	1317.12
	0	0	204.21	0	0	0	0	0	0	0	0	163.57	159.44	299.96	297.69	174.321	173.59	270.23	268.05	211.25	208.14	852.23	844.76	332.71	330.65	1324.01
	0	0	201.67	0	0	0	0	0	0	0	0	162.82	161.5	300.33	298.35	174.644	173.7	272.15	270.54	208.13	206.22	857.71	846.71	332.88	331.08	1325.74
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	202.77	0	0	0	0	0	0	0	0	162.22	159.79	299.69	297.79	173.88	172.73	273.1	270.5	206.53	205.7	858.78	849.45	331.87	328.5	1305.18
	0	0	203.92	0	0	0	0	0	0	0	0	162.27	160.06	298.26	295.56	172.377	170.48	273.75	270.48	206.79	205.5	855.01	840.11	329.5	326.65	1294.52
	0	0	204.73	0	0	0	0	0	0	0	0	162.02	158.97	297.98	294.59	172.184	169.37	274.84	273.43	206.63	204.59	843.09	828.76	331.35	328.41	1298.61
	0	0	202.42	0	0	0	0	0	0	0	0	160.33	157.5	295.46	293.29	169.475	168	274.21	271.17	205.82	204	832.45	825.67	329.48	325.3	1298.73
	0	0	199.08	0	0	0	0	0	0	0	0	156.27	153.6	294.75	292.44	168.087	166.13	272.91	269.56	204.08	203.12	827.31	817.4	325.66	323.05	1280.55
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0	0	199.42	0	0	0	0	0	0	0	0	155.75	154.39	293.22	291.03	166.521	165.75	272.71	268.35	204.35	203.34	820.24	815.05	323.87	322.55	1278.36
	0	0	199.77	0	0	0	0	0	0	0	0	154.81	149.95	292.82	289.05	166.583	163.67	272.75	269.57	203.63	201.36	814.69	803.03	322.99	319.45	1276.19
	0	0	199.48	0	0	0	0	0	0	0	0	152.07	148.72	289.71	285.5	163.462	160.63	271.71	267.6	202.07	200.54	811.65	800.09	321.16	318.08	1272.17
	0	0	203.34	0	0	0	0	0	0	0	0	151.28	149.11	287.47	285.38	161.293	160.59	270.22	267.38	203.41	202.41	820.56	807.89	323.03	321.06	1298.31
	0	0	202.59	0	0	0	0	0	0	0	0	150.99	149.74	287.27	284.44	161.821	160.71	270.33	265.2	203.32	201.7	820.35	812.6	322.86	319.54	1305.36
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA

SEOELo	SEAIHi	SEAILo	SEISHi	SEISLo	SEREHi	SERELo	SEAEHi	SEAELo	SESOHi	SESOLo	SETEHi	SETELo	SEBEHi	SEBELo	SEETHi	SEETLo	SECHHi	SECHLo	SEAPHi	SEAPLo	BITCHi	BITCLo	LITCHi	LITCLo
526.77	376.13	376.13	208.22	208.22	67.74	67.74	35.2	35.2	1860.9	1860.9	294.03	290.83	652.11	640.41	367.79	365.21	865.89	858.29	525.61	521.62	3434.39404	3381.43066	41.20623	40.102947
529.16	384.02	384.02	209.36	209.36	67.29	67.29	35.23	35.23	1856.17	1856.17	297.92	292.52	648.53	641.88	367.78	366	866.37	857.46	528.52	523.62	3414.51636	3330.30542	40.509476	39.05978
529.07	396.06	396.06	210.15	210.15	67.23	67.23	35.52	35.52	1866.36	1866.36	299.5	296.64	651.15	642.96	368.77	365.02	869.3	854.31	528.71	520.57	3424.97876	3379.69238	40.959534	39.628716
525.96	392.65	392.65	209.17	209.17	66.5	66.5	35.27	35.27	1866.94	1866.94	303.29	298.93	653.22	647.07	367.84	366.25	861.97	856.17	531.14	520.93	3446.43799	3357.5896	41.56868	39.246315
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3713.91235	3346.89746	47.114365	38.514469
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3674.78931	3500.53589	45.764816	42.926315
527.74	389.53	389.53	210.79	210.79	66.45	66.45	35.22	35.22	1870.35	1870.35	298.87	294.24	655.83	645.69	366.56	364.55	860.5	853.34	522.23	517.2	3533.86694	3483.81006	44.125206	42.942963
524.41	387.6	387.6	211.28	211.28	66.51	66.51	35.43	35.43	1855.35	1855.35	295.76	292.5	657.76	652.63	366.3	364.17	856.8	850.75	521.96	515.37	3538.56079	3477.77588	45.681122	42.90086
531	388.03	388.03	211	211	66.1	66.1	35.13	35.13	1856.14	1856.14	295.13	292.39	655.44	647.23	366.28	363.93	854.33	841.71	522.16	507.83	3527.26465	3459.4082	45.991653	41.801224
527.41	379.07	379.07	211.59	211.59	66.54	66.54	35.4	35.4	1841.85	1841.85	298.58	292.8	653.87	649.46	364.66	362.03	853.69	844.59	507.39	501.45	3550.25	3457.10913	43.540348	41.828045
531.47	376.11	376.11	212.3	212.3	66.58	66.58	35.37	35.37	1844.59	1844.59	299.97	297.04	655.32	651.37	364.76	363.31	855.64	848.56	508.8	501.62	3480.38574	3248.77856	43.510109	38.806843
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3258.12207	3203.80859	39.525143	37.986408
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3233.60474	3200.3457	39.112629	37.682201
520.14	379.72	379.72	211.9	211.9	66.06	66.06	35.6	35.6	1837.61	1837.61	300.89	295.79	655.22	644.34	363.84	358.06	851.95	829.52	509.79	488.95	3236.4917	3202.75586	38.732174	36.848309
514.22	371.77	371.77	211.04	211.04	65.85	65.85	35.67	35.67	1825.07	1825.07	300.02	296.93	656.63	645.12	361.75	358.24	842.37	830.33	507.73	495.75	3237.30347	3191.99731	37.769932	36.60582
513	378.95	378.95	211.22	211.22	66.86	66.86	35.38	35.38	1811.99	1811.99	298.31	293.52	653.22	641.24	360.65	358.13	838.64	825.85	505.36	499.6	3237.43213	3196.40869	39.262806	36.658844
506.22	372.69	372.69	211.45	211.45	67.32	67.32	35.11	35.11	1794.59	1794.59	293.8	290.31	646.13	634.3	358.5	356.95	826.51	816.6	500.58	487.44	3237.48389	3208.13306	38.93222	37.723461
500.71	376.05	376.05	212.19	212.19	67.58	67.58	34.48	34.48	1801.59	1801.59	289.35	286.13	643.09	637	356.69	353.79	816.15	806.86	488.26	483.17	3263.95435	3229.37256	41.401909	37.584438
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3263.15649	3212.01782	41.545681	37.867466
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3248.67822	3219.20801	40.489719	37.315014
499.86	371.03	371.03	210.87	210.87	67.18	67.18	33.1	33.1	1786.36	1786.36	286.39	282.51	638.43	633.38	355.69	352.39	813.91	802.46	494.18	481.62	3262.93897	2990.34033	38.754604	29.11326
507.82	376.39	376.39	213.02	213.02	67.47	67.47	32.87	32.87	1777.83	1777.83	294.47	286.78	641.28	636.43	360.16	355.13	828.95	810.35	517.76	494.43	3023.77368	2992.61133	29.637589	28.926741
531	384.99	384.99	214.62	214.62	67.24	67.24	34.2	34.2	1809.44	1809.44	293.81	285.49	641.34	635.2	360.85	359.1	834.65	828.77	520.56	514.47	3041.70313	2990.38403	30.115751	28.579681
529.87	380.63	380.63	214.22	214.22	67.06	67.06	34.32	34.32	1778.83	1778.83	286.84	283.89	638.35	626.13	359.86	355.13	835.65	821.24	520.46	512.55	3045.83179	3017.62109	30.113058	29.609499
524.63	377.35	377.35	214.05	214.05	67.52	67.52	34.18	34.18	1745.83	1745.83	286.79	283.52	630.89	624.87	355.3	353.48	822.61	815.26	521.67	511.64	3036.47461	3006.61426	30.103941	29.2099
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3073.43604	3010.15869	30.17103	28.925377
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3075.09351	3026.46802	30.161184	28.564785
516.03	378.31	378.31	213.11	213.11	67.49	67.49	34.89	34.89	1732.56	1732.56	285.79	283.56	627.65	621.13	355.11	352.47	820.67	811.48	525.19	515.94	3056.47412	2998.87817	29.198019	27.209818
523.83	373.23	373.23	212.99	212.99	67.69	67.69	34.31	34.31	1727.65	1727.65	285.55	282.19	623.49	615.35	355.64	351.52	830.99	806.59	519.27	506.84	3061.36646	3011.67505	28.229303	27.433353
517.63	377.65	377.65	213.59	213.59	68.4	68.4	34.51	34.51	1715.38	1715.38	288.61	285.22	608.05	602.63	354.04	351.66	823.27	814.08	513.27	508.79	3059.73193	2998.61572	28.091553	26.993479
512.78	374.04	374.04	212.76	212.76	67.75	67.75	34.39	34.39	1726.69	1726.69	286.36	282.7	605.86	596.38	353.66	349.31	817.13	802.82	514.92	505.36	3042.30811	2973.73804	27.542267	26.617496
514.22	371.42	371.42	210.67	210.67	66.76	66.76	32.54	32.54	1749.96	1749.96	289.46	282.35	601.17	595.27	352.39	349.21	811.51	803.5	518.21	511.9	3142.06201	3008.07349	28.662815	26.681534
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3167.20386	3129.02734	29.233986	28.139574
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3205.38013	3151.36792	29.763737	28.824064
517.86	375.29	375.29	210.56	210.56	66.27	66.27	32.94	32.94	1768.41	1768.41	290.12	281.45	607.79	602.14	353.85	352.37	815.08	803.61	519.71	509.45	3194.63745	3150.448	29.359406	28.28019
508.81	369.3	369.3	209.51	209.51	65.68	65.68	33.04	33.04	1761.4	1761.4	279.71	268.12	605.31	602.02	351.71	348.99	808.36	798.19	506.94	493.21	3199.28638	3134.04541	29.231775	27.605997
512.83	374.48	374.48	209.77	209.77	65.36	65.36	32.55	32.55	1748.4	1748.4	270.23	260.22	605.07	597.97	351.9	348.16	812.62	804.59	500.12	493.75	3190.16187	3132.52417	28.52376	27.788488
516.93	365.54	365.54	208.25	208.25	64.61	64.61	32.76	32.76	1743.33	1743.33	270.86	265.56	602.21	597	351.69	348.97	817.34	808.99	503.72	497.74	3185.60156	3115.65552	28.168274	26.691717
524.59	356.75	356.75	208.33	208.33	64.63	64.63	33.17	33.17	1752.27	1752.27	271.65	269.42	600.18	596.6	351.65	350.85	817.64	812.64	505.43	501.96	3172.10254	3130.11768	27.587891	27.223633
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3293.05835	3150.60278	29.329334	27.202047
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3306.38184	3212.99683	29.128942	27.594805
521.38	350.87	350.87	206.54	206.54	65.11	65.11	32.77	32.77	1766.67	1766.67	270.28	263.65	599.39	590.47	352.51	347.37	818.66	798.42	505.35	495.01	3232.40552	3198.43066	28.041454	27.24367
515.44	347.31	347.31	204.71	204.71	64.37	64.37	32.08	32.08	1721.84	1721.84	263.53	260.69	591.69	584.66	346.44	343.73	797.6	786.93	495	487.65	3230.76196	3179.52026	28.030357	26.929363
518.56	345.49	345.49	204.73	204.73	64.12	64.12	31.9	31.9	1702.48	1702.48	266.21	263.94	592.77	583.25	346.32	344.31	797.31	789.33	496.54	491.38	3237.27319	3177.52637	28.319942	27.423182
516.72	336.55	336.55	203.83	203.83	63.29	63.29	32.05	32.05	1692.7	1692.7	266.92	262.5	592.01	586.36	346.01	342.66	798.27	787.31	502.09	490.77	3241.08325	3171.6438	28.597321	27.233196
512.29	343.56	343.56	203.71	203.71	63.35	63.35	31.87	31.87	1672.98	1672.98	265.59	261.94	592.24	585.18	343.79	341.43	792.9	786.5	492.65	481.43	3249.57349	3098.56958	28.544266	26.441122
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3203.9314	3093.60132	28.893515	26.286007
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3225.89746	3186.50684	28.726261	28.026598
517.14	343.56	343.56	204.45	204.45	63	63	31.97	31.97	1692.42	1692.42	267.43	263.91	597.77	581.15	345.65	343.32	801.06	792.62	493.4	480.52	3239.5708	3169.4436	29.610348	27.947515
515.2	338.45	338.45	201.42	201.42	62.23	62.23	32.03	32.03	1695.86	1695.86	267.37	263.15	581.54	572.71	344.42	340.49	796.39	784.83	492.72	484.65	3515.61255	3181.47656	34.23315	28.719521
510.66	342.42	342.42	202.27	202.27	62.36	62.36	32.4	32.4	1689.57	1689.57	269.12	262.16	586.08	576.31	345.33	342.29	800.05	789.63	499.29	482.04	3549.93848	3510.32837	35.154812	33.753639
501.12	344.94	344.94	202.85	202.85	62.6	62.6	31.74	31.73	1664.04	1664.04	264.75	258.64	585.15	577.23	343.5	338.55	795.75	782.78	489.47	473.25	3591.6377	3492.50342	35.808647	33.032524
492.04	342.15	342.15	200.8	200.8	61.19	61.19	31.32	31.32	1639.35	1639.35	260.73	255.78	582.2	574.52	340.02	336.97	791.39	779.29	476.09	470.25	3586.81152	3515.71289	34.749619	32.770298
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3590.927	3557.76514	35.065544	30.542229
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3426.70483	3367.01416	31.717134	28.38382
474.7	339.5	339.5	199.25	199.25	61.09	61.09	31.3	31.3	1627.05	1627.05	254.34	247.67	583.59	569.75	339.13	330.95	785.49	758.41	472.03	454.43	3392.45044	3333.13989	29.002195	27.685675
459.63	330.92	330.92	196.18	196.18	59.88	59.88	30.9	30.9	1581.92	1581.92	254.75	245.27	574.71	568.27	332.15	328.97	768.77	756.85	456.89	450.68	3471.45923	3355.36401	29.48321	27.709702
447.32	338.87	338.87	196.24	196.24	59.9	59.9	31.43	31.43	1644.01	1644.01	259.44	252.81	578.22	570.44	333.19	327.17	773.22	758.55	463.68	450.49	3481.46411	3323.57031	29.803278	27.660221
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3358.30493	3235.65283	27.98999	26.363668
459.65	344.23	344.23	195.83	195.83	60.49	60.49	30.77	30.77	1644.19	1644.19	259.15	257.54	581.05	576.7	333.14	331.73	774.26	771.24	463.91	461.82	3366.61108	3242.27979	27.974129	26.301901
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3411.22437	3318.95557	28.306389	27.242256
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3464.51953	3339.22437	29.139616	27.550497
444.69	342.29	342.29	195.05	195.05	59.91	59.91	30.68	30.68	1637.47	1637.47	258.72	251.16	578.18	571.15	332.04	325.77	772.14	757.39	463.11	456.52	3459.71216	3178.29492	29.16667	24.749243
440.08	332.8	332.8	192.93	192.93	59.46	59.46	30.44	30.44	1611.38	1611.38	255.98	247.3	581.88	567.67	332.05	322.65	773.26	750.04	473.84	451.43	3407.92944	3188.72852	27.588655	24.610209
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3411.18652	3310.97339	28.21817	25.122515
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3586.54956	3297.53784	29.290661	26.711365
451.22	336.84	336.84	198.6	198.6	60.72	60.72	31.19	31.19	1620.22	1620.22	253.76	251.43	585.73	576.6	331.24	329.64	769.48	766.77	470.08	468.93	3750.70215	3517.24365	32.047749	29.113644
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3589.16528	3499.03418	29.996956	27.966927
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3530.07202	3391.00293	28.01409	26.677877
449.41	339.59	338.77	198.73	198.73	61.21	61.21	31.26	31.26	1621.24	1621.24	255.19	251.74	588.01	578.86	332	328.28	772.16	754.93	474.82	462.96	3666.05615	3390.39233	30.049843	26.669811
452.96	337.06	336.9	199.76	199.76	61.55	61.55	31.16	31.16	1637.33	1637.33	259.45	254.35	595.71	586.75	334.43	330.46	773.37	758.57	476.06	467.81	3665.83716	3276.35913	29.096529	25.824697
460.17	339.5	339.5	201.35	201.35	62.02	62.02	31.87	31.87	1668.81	1668.81	264.82	260.02	594.7	587.72	337.38	335.36	777.83	768.34	482.01	476.67	3463.31543	3238.54565	27.864445	25.886641
456.4	338.69	338.69	200.56	200.56	61.77	61.77	32.43	32.43	1643.96	1643.96	268.42	263.53	595.14	588.58	337.94	335.37	775.85	765.17	485.12	472.92	3253.78589	3066.17383	26.497396	24.84243
466.82	334.35	334.35	200.49	200.49	62.38	62.38	33.12	33.12	1663.35	1663.35	268.49	263.58	600.27	593.38	341.69	337.36	781.26	763.15	482.65	471.4	3170.84497	2876.71069	26.779186	22.716034
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2922.90381	2859.6377	23.630104	21.02581
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2896.38721	2822.04102	21.325804	20.640019
485.34	345.62	345.62	202.87	202.87	63.13	63.13	33.28	33.28	1692.72	1692.72	270.91	263.24	606.95	599.56	343.17	339.58	784.54	771.05	484.97	472.16	2930.04932	2836.92725	20.941242	20.210293
487.96	344.02	344.02	202.56	202.56	63.31	63.31	33.44	33.44	1714.94	1714.94	274.5	269.89	608.74	601.98	346.15	343.59	791.9	784.69	491.14	483.4	3068.71289	2902.29028	21.696699	20.777899
489.22	344.39	344.39	202.93	202.93	63.79	63.79	32.27	32.27	1722.73	1722.73	273.55	267.36	608.73	594.6	345.75	339.46	792.41	779.06	487	473.33	3109.47437	3013.32227	22.215876	20.928967
488.23	338.59	338.59	200.41	200.41	62.46	62.46	31.63	31.63	1692.34	1692.34	270.4	263.45	599.97	588.74	341.78	335.77	788.23	769.32	480.31	465.24	3091.14966	2996.7002	21.949701	20.683701
489	330.94	330.94	201.06	201.06	62.1	62.1	31.17	31.17	1658.5	1658.5	264.06	258.4	593.7	585.51	339.46	333.94	781.07	761.14	474.74	461.49	3196.63892	3056.52051	22.90836	21.4844
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3237.70679	3047.20044	23.61452	21.787104
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3079.65601	2943.16138	23.389406	20.753513
494.59	344.23	344.23	202.47	202.47	63.32	63.32	31.93	31.93	1668.92	1668.92	268.98	262.87	599.56	591.2	344.38	339.55	793.65	778.84	483.43	474.91	3087.58447	2881.19873	23.652218	20.191273
493.15	346.14	346.14	201	201	62.58	62.58	31.3	31.3	1660.74	1660.74	268.02	261.29	607.29	588.02	347.8	337.72	802.9	775.14	494.42	474.48	3417.47974	3095.35132	26.845615	23.662783
518.75	356.09	356.09	201.87	201.87	63.58	63.58	32.04	32.04	1705.4	1705.4	274.62	269.33	614.03	606.45	352.29	348.99	813	804.73	503.37	495.3	3501.03931	3308.42578	27.676552	25.803783
529.89	350.44	350.44	201.68	201.68	63.24	63.24	32.23	32.23	1731.87	1731.87	280.77	275.27	614.65	608.74	355.96	353.36	823.73	815.87	512.92	501.16	3579.51367	3369.52368	28.23637	26.720236
527.89	364.39	364.39	201.48	201.48	63.51	63.51	32.51	32.51	1753.54	1753.54	283.4	277.82	620.83	607.59	359.79	354.57	834.61	816.47	523.46	499.61	3664.1731	3382.03149	29.809284	26.853946
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3799.59229	3632.39893	31.037766	29.540552
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3807.37793	3507.27905	31.05966	27.835209
519.15	366.53	366.53	204.19	204.19	64.22	64.22	31.64	31.64	1717.12	1717.12	273	269.68	614.42	608.28	353.4	351.09	816.81	805.23	503.93	492.12	3794.58325	3467.99976	30.050482	27.650969
516.52	366.24	366.24	204.87	204.87	64.94	64.94	31.35	31.35	1728.59	1728.59	276.21	271.22	618.85	608.96	355	352.15	812.55	802.88	506.71	499.22	3886.44995	3642.70557	31.304617	29.158348
514.77	366.96	366.96	203.94	203.94	66.9	66.9	31.68	31.68	1717.1	1717.1	273.36	268.91	615.1	608.82	354.16	352.17	806.16	795.73	505.2	497.81	3858.08765	3383.40704	30.777377	27.437881
515.56	373.89	373.89	203.14	203.14	67.01	67.01	31.27	31.27	1699.69	1699.69	272.22	267.32	615.36	609.87	353.78	350.69	814.39	798.43	517.09	500.73	3420.36523	3235.72876	27.756174	25.471506
502.81	380.72	380.72	202.68	202.68	66.78	66.78	30.86	30.86	1702.22	1702.22	271.45	266.97	613.8	608.42	353.69	350	815.99	808.86	518.44	505.39	3617.83179	3211.14258	28.289835	25.026831
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3633.76245	3160.73218	28.138342	23.868376
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3891.7937	3346.85669	29.231247	25.366253
498.34	376.98	376.98	201.14	201.14	66.41	66.41	30.15	30.15	1685.92	1685.92	265.5	261.63	610.43	604.43	349.32	346.46	808.29	800.38	506.41	500.27	3863.33643	3676.01978	29.018539	27.2843
511.83	369.37	369.37	199.96	199.96	65.78	65.78	30.01	30.01	1670.49	1670.49	264.73	259.74	611.18	606.47	349.65	346.81	816.34	805.28	505.18	497.95	4004.77295	3828.33447	30.641376	28.032656
516.11	365.1	365.1	200.76	200.76	65.98	65.98	30.04	30.04	1677.58	1677.58	265.8	260.6	609.58	604.24	350.3	346.84	818.58	806.43	505.75	495.51	4108.70898	3821.09937	30.447548	28.056494
513.08	354.63	354.63	198.23	198.23	65.13	65.13	29.42	29.42	1650.7	1650.7	262.9	252.82	611.48	605.69	349.41	344.35	824.22	800.89	499.12	490.95	4325.11768	3758.2605	33.114212	27.465504
529.54	361.26	361.26	201.68	201.68	65.96	65.96	29.46	29.46	1676.49	1676.49	273.99	264.04	617.15	609.13	355.33	350.12	839.19	826.05	505.52	496	4925.34912	4228.88721	37.100956	31.409214
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4950.38574	4869.22022	37.633495	36.789204
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4884.68848	4833.00977	37.203831	36.488369
539.31	363.66	363.66	204.21	204.21	66.43	66.43	29.98	29.98	1722.34	1722.34	274.53	268.46	614.12	606.8	356.46	350.85	841.03	824	513.71	498.34	4993.83643	4814.95459	38.802528	36.851658
540.13	363.48	363.48	203.7	203.7	66.66	66.66	30.17	30.17	1722.22	1722.22	275.68	270.11	612.44	604.9	359.05	351.15	843.16	828.75	513.6	500.45	5103.98242	4742.37012	39.088604	36.089638
533.43	380.05	380.05	206.11	206.11	68.77	68.77	30.32	30.32	1720.84	1720.84	279.07	272.06	609.02	601.14	360.45	355.02	847.7	826.74	523.92	508.79	5651.36719	4891.94434	44.565693	37.03339
547.07	383.45	383.45	205.48	205.48	68.8	68.8	30.64	30.64	1723.52	1723.52	279.36	272.73	611.61	604.86	360.38	356.86	850.39	838.09	511.43	499.88	5671.40869	5608.10645	45.334011	43.772339
560.88	373.01	373.01	205.09	205.09	68.14	68.14	30.77	30.77	1697.27	1697.27	286.53	272.26	608.06	601.6	363.02	357.29	854.95	840.15	510.81	499.03	5679.33545	5668.66699	45.622547	44.981571
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5665.94873	5601.04053	46.283875	44.320686
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5678.32471	5632.02881	46.481606	45.728088
557.05	381.12	381.12	205.42	205.42	68.95	68.95	31.09	31.09	1777.54	1777.54	282.32	278.3	607.12	599.53	361.7	359.22	849.73	841.53	514.67	502.56	5682.31104	5621.54199	46.414257	45.574978
570.93	374.26	374.26	204.5	204.5	68.66	68.66	31.3	31.3	1771.86	1771.86	288.6	281.14	607.15	600.33	364.52	361.91	857.19	846.57	524.3	514.93	5718.56299	5664.92773	47.64349	46.078831
572.69	374.82	374.82	203.95

605.22	395.75	395.75	211.23	211.23	70.327	70.33	27.22	27.22	1962.04	1962.04	292.8	289.97	625.63	621.12	373.82	372.41	910.3	904.76	564.14	555.96	5632.87793	5519.98096	50.265869	45.7491
606.24	392.28	392.17	211.39	211.39	70.418	70.42	27.09	27.09	1948.19	1948.19	290.51	282.1	625.46	619.74	374.19	372.07	908.86	899	559.48	549.57	5594.42725	5463.19336	47.119061	44.49437
598.66	392.48	392.48	212.51	212.51	70.512	70.51	27.96	27.96	1957.2	1957.2	291.78	277.96	623.48	619.22	373.11	371.29	906.09	896.4	549.19	542.4	5472.88428	5408.86621	45.209782	41.174313
584.87	388.14	388.14	210.59	210.59	70.186	70.19	28.38	28.38	1936.21	1936.21	295.36	288.8	627.84	621.63	371.56	369.15	896.77	887.31	549.09	540.29	5517.73731	5403.72022	47.281265	44.087872
586.16	390.95	390.69	210.47	210.43	70.091	70.09	28.78	28.78	1926.39	1926.39	297.66	291.12	630.27	625.28	371.99	369.3	896.82	892.66	550.24	542.72	5519.46338	5444.97705	48.545589	46.129345
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5580.69434	5368.55664	48.830997	45.638645
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5656.86963	5365.35352	49.871265	45.523506
574.6	393.62	393.62	210.44	210.44	70.038	70.04	28.59	28.59	1907.13	1907.13	293.97	289.62	628.77	621.04	369.68	367.53	896.32	889.94	546.43	542.11	5642.84229	5499.84522	50.022896	47.784885
591.83	395.75	395.75	209.97	209.97	70.075	70.08	28.3	28.3	1878.97	1878.97	301.06	293.78	628.07	622.89	371.97	369.12	899.04	891.73	552.13	544.46	5801.39111	5500.44678	50.086737	47.148891
605.58	400.61	400.61	211.16	211.16	70.495	70.5	28.17	28.17	1891.77	1891.77	308.56	300.46	636.7	625.39	374.6	371.13	907.57	897.16	552.63	546.96	6370.98389	5839.27637	58.819447	50.234421
620.98	402.19	402.19	211.45	211.45	70.501	70.5	28.47	28.47	1956.4	1956.4	316.29	307.72	642.25	636.28	379.38	374.19	925.68	906.73	559.78	548.05	6381.29199	6251.99463	59.581238	56.191936
618.36	406.98	406.98	211.42	211.42	70.724	70.72	28.95	28.95	1985.26	1985.26	315.65	311.32	638.3	635.57	378.2	377.08	922.57	918.09	562.59	554.78	6300.42188	6210.70996	57.077515	55.42099
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6299.08594	6148.94385	57.678593	55.461506
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6243.8916	6067.80762	57.97974	53.227692
618.48	405.04	405.04	213.22	213.22	71.674	71.67	29.27	29.27	1981.64	1981.64	314.36	312.62	642.33	633.78	380.39	377.47	930.49	920.74	571.09	562.69	6082.19434	5950.77832	53.631031	50.983929
618.04	409.4	409.4	213.19	213.19	71.846	71.85	29.32	29.32	1997.77	1997.77	316	312.96	649.31	643.35	381.67	379.21	933.03	924.71	578.3	565.32	6043.48438	5856.13037	53.002907	50.483421
615.93	417.48	417.48	213.08	213.08	73.009	73.01	29.48	29.48	1995.8	1995.8	316.46	314.31	650.6	645.66	381.9	379.82	933.62	927.46	573.05	567.48	6093.28418	5961.02295	54.299896	51.926563
621.08	416.05	416.05	211.84	211.84	72.219	72.22	29.82	29.82	1990.04	1990.04	319.61	315.48	653.51	648.56	381.95	380.63	930.49	925.46	575.5	567.69	6080.18457	5896.45313	54.227356	51.025246
621.1	413.86	413.86	211.5	211.5	71.934	71.93	29.45	29.45	1997.06	1997.06	317.55	313.02	653.1	650.78	381	379.31	926.65	916.03	566.86	555.31	5893.37451	5756.07471	51.72879	48.961815
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5829.74805	5697.229	50.000343	48.393768
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5842.55225	5766.25098	50.094311	49.36322
618.68	411.9	411.9	210.38	210.38	71.767	71.77	28.71	28.71	1979.12	1979.12	311.86	308.95	656.35	651.35	380.04	378.26	916.43	911.7	555.01	550.9	5782.60059	5627.50244	50.110233	48.181866
617.21	411.4	411.4	211.4	211.4	71.936	71.94	28.64	28.64	1970.78	1970.78	310.23	307.06	658.65	653.59	380.52	378.58	917.62	912.2	559.9	550.58	5674.87842	5501.0708	50.107567	47.089863
603.66	405.84	405.84	210.24	210.24	72.002	72	28.59	28.59	1950.53	1950.53	308.25	304.94	661.35	654.35	380.1	378.4	915.88	910.5	578.74	553.62	5889.23535	5441.62647	50.990582	46.902191
588.86	410.71	410.71	209	209	72.091	72.09	28.54	28.54	1948	1948	307.9	304.75	668.61	661.09	380.31	377.44	915.9	909.46	575.23	566.16	5619.21533	5479.11279	49.086422	46.810829
584.37	410.16	410.16	208.11	208.11	72.308	72.31	27.69	27.69	1949.81	1949.81	306.43	303.21	669.94	661.19	379.08	376.43	915.56	903.21	571.48	563.7	5718.08936	5482.65869	51.230377	46.938771
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5718.0166	5562.25391	51.361195	49.438927
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5785.91406	5555.4165	54.23975	48.791553
582.11	404.48	404.48	207.95	207.95	72.213	72.21	27.05	27.05	1941.01	1941.01	304.77	299.87	665.33	659.57	377.13	374.24	906.44	896.97	565.66	556.93	5755.44287	5564.32666	53.785435	48.555466
589.18	406.98	406.98	207.61	207.61	72.105	72.1	26.44	26.44	1942.12	1942.12	306.81	304.42	664.13	659.87	376.81	375.02	905.18	898.45	569.79	563.66	5696.99902	5535.24121	50.520805	48.081944
585.48	401.36	401.36	205.88	205.88	71.552	71.55	26.88	26.88	1910.09	1910.09	313.82	303.74	666.11	656.07	380.82	373.88	919.4	896.48	576.95	561.32	5809.95606	5484.32666	51.986858	47.871376
608.78	402.7	402.7	206.64	206.64	71.862	71.86	26.31	26.31	1931.09	1931.09	314.94	312.4	667.28	659.25	382.16	379.1	920.76	913.18	581.7	571.77	5518.6416	5234.09033	50.064589	44.883751
610.44	399.74	399.74	208.12	208.12	72.289	72.29	26.72	26.72	1923.65	1923.65	313.19	309.01	659.13	653.82	380.75	378.79	916.35	908.41	580.74	576.77	5740.80878	5463.5542	53.254063	49.369576
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5638.99902	5466.6958	54.080456	50.794655
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5657.9668	5354.10156	52.409027	48.7929
607.52	397.91	397.91	208.07	208.07	72.637	72.64	26.88	26.88	1904.75	1904.75	318.64	311.4	663.34	657.58	384.89	380.11	927.32	909.55	590.91	576.24	5714.13965	5367.67725	56.333595	51.589046
611.27	404.55	404.55	207.78	207.78	73.276	73.28	27.3	27.3	1924.02	1924.02	321.1	318.63	663.82	657.95	385.04	383.1	928.58	921.27	592.95	585.85	5752.50049	5394.10449	56.737671	52.909969
613.12	406.09	406.09	207.48	207.48	73.192	73.19	27.03	27.03	1918.18	1918.18	321.67	318.74	668.39	663.07	385.56	383.88	929.83	923.52	591.15	584.35	5813.74414	5360.03809	57.015	53.567501
613.51	402.66	402.66	207.26	207.26	73.372	73.37	26.67	26.67	1903.53	1903.53	321.14	318.76	671.15	667.04	386.39	383.86	931.12	925.48	590.71	583.34	6166.67529	5815.44287	64.918709	58.751122
614.1	399.22	399.22	207.92	207.92	73.414	73.41	26.9	26.9	1912.06	1912.06	319.83	317.13	672.49	666.84	385.27	382.65	934.17	919.32	586.84	579.63	6198.36523	5963.25391	66.262245	63.010994
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6139.48486	6000.43213	64.834976	62.842224
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6481.79297	6037.92676	67.280106	62.905682
603.54	396.22	396.22	208.76	208.76	73.81	73.81	26.94	26.94	1912	1912	321.62	316.76	670.41	664.39	384.62	382.18	934.87	930.25	584.79	574.97	6529.21777	6324.34424	67.058357	64.272049
603	398.48	398.48	206.77	206.77	73.089	73.09	26.77	26.77	1896.94	1896.94	316.78	313.1	667.98	663.18	384.52	381.09	940	929.43	579.3	567.49	6615.29297	6472.89014	67.345222	65.072891
610.95	407.29	407.29	206.16	206.16	73.059	73.06	27.15	27.15	1897.01	1897.01	319.6	315.24	667.78	662.66	387.23	384.65	943.06	937.69	597.78	580.69	6647.02246	6435.94043	69.062019	65.518822
619.29	414.11	414.11	206.34	206.34	73.589	73.59	27.32	27.32	1902.3	1902.3	319.41	316.54	664.11	660	387.63	385.45	940.77	931.39	597.76	591.44	6987.98242	6585.89014	70.852127	65.62748
624.55	403.85	403.85	206.89	206.89	73.393	73.39	27.09	27.09	1901.4	1901.4	321.18	317.23	670.13	661.54	386.72	385.43	939.68	935.08	597.15	592.46	7066.06592	6760.16065	72.702454	68.818649
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7096.99707	6984.54053	73.101494	71.537918
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7054.60693	6958.45068	72.604752	71.063057
612.25	406.17	406.17	207.97	207.97	73.224	73.22	26.9	26.9	1947.34	1947.34	322.88	320.41	674.95	670.6	387.16	385.25	943.75	934.48	599.01	591.27	7087.54541	6731.14063	73.111099	70.442169
594.22	399.46	399.46	207.71	207.71	73.052	73.05	27.99	27.99	1943.39	1943.39	322.62	319.03	684.69	666.86	385.54	382.9	942	930.6	596.3	583.28	7079.70117	6769.81445	75.065842	71.472206
595.22	393.2	393.12	206.1	206.1	73.137	73.14	27.31	27.31	1906.47	1906.47	328.07	322.49	684.48	678.75	383.91	381.89	937.56	928.14	598.99	580.11	7204.37402	6925.03223	76.94883	73.163696
586.84	395.92	395.92	204.66	204.66	72.802	72.8	27.41	27.41	1907.59	1907.59	330.85	327.99	683.64	677.22	384.45	380.91	936.03	923.84	601.45	586.15	7210.70752	6590.40381	76.42318	70.075264
586.5	398.54	398.54	203.1	203.1	72.515	72.52	27.42	27.42	1885.08	1885.08	329.65	324.57	683.65	678.66	380.99	378.95	925.91	919.48	584.9	576.63	6646.28418	6313.13916	73.331573	70.426163
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6428.95557	6298.5752	72.222649	70.721886
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6347.19238	6197.65332	72.747055	68.843834
581.78	411.87	411.87	203.77	203.77	73.061	73.06	27.63	27.63	1893.5	1893.5	330.27	325.4	684.51	676.38	382.16	378.3	935.81	920	596.96	579.15	6487.84375	6249.58154	74.385994	70.307175
582.89	416.15	416.15	204.38	204.38	73.062	73.06	26.51	26.51	1908.35	1908.35	331.12	327.11	677.85	672.12	382.81	381.01	940.93	931.62	599.46	592.59	6436.88037	6265.42432	76.524292	73.67614
583.92	419.53	419.53	205.16	205.16	73.435	73.44	26.51	26.51	1954.77	1954.77	330.25	321.51	678.03	671.35	382.8	380.94	945.03	932.53	600.78	592	6471.13574	6253.625	80.37928	73.919746
580.61	414.56	414.56	204.53	204.53	73.176	73.18	26.4	26.4	1943.4	1943.4	332.62	308.1	673.13	667.01	380.84	378.25	933.46	919.86	591.49	583.91	6338.2583	5666.89746	77.452576	69.982208
592.36	413.18	413.18	204.45	204.45	73.356	73.36	25.92	25.92	1923.9	1923.9	312.04	309.49	678.45	670.01	381.34	378.81	927.72	920.64	591.89	584.54	5758.73389	5443.11333	72.260956	66.964722
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5480.06836	5354.30859	68.157799	65.053917
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5389.97852	5316.40576	66.360123	65.193405
600.95	409.74	409.74	203.45	203.45	73.559	73.56	25.83	25.83	1923.52	1923.52	313.97	310.06	677.35	672.88	381.82	380.02	925.13	917.76	589.78	586.11	5403.33057	5300.66797	67.158661	65.155037
601.68	407.25	407.25	202.42	202.42	73.236	73.24	25.92	25.92	1909.04	1909.04	309.11	304.06	673.79	667.31	379.85	376.8	918.59	911.23	586.21	579.45	5479.31494	5261.89307	67.335587	64.450661
598.97	401.54	401.54	202.36	202.36	73.234	73.23	25.82	25.82	1880.83	1880.83	308.25	305.19	667.26	663.45	380.02	376.61	920.91	910.22	589.35	579.88	5499.11279	5396.36035	69.03984	65.848953
605.2	406.12	406.12	203.01	203.01	73.891	73.89	26.4	26.4	1911.28	1911.28	311.9	307.54	668.33	660.27	382.25	380.08	927.17	918.7	593.41	586.95	5754.88135	5390.80615	68.777802	64.386314
589.64	410.57	410.57	201.87	201.87	73.615	73.61	26.26	26.26	1890.27	1890.27	309.39	305.21	666.76	662.4	380.41	378.7	920.72	914.42	591.78	584.88	5822.13525	5721.38184	70.857697	68.692474
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5862.84375	5744.91748	73.800003	69.965942
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5844.18066	5601.73731	73.394547	68.711792
578.07	403.72	403.72	202.05	202.05	73.716	73.72	25.68	25.68	1859.14	1859.14	304.19	300.29	665.48	660.41	378.16	375.65	914.02	905.95	597.74	584.39	5705.35547	5578.50928	72.391319	69.493591
591.11	403.66	403.66	199.86	199.86	73.495	73.49	25.67	25.67	1857.13	1857.13	303.36	298.03	661.11	653.98	378.69	375.1	913.11	895.29	598.42	574.36	5772.78467	5604.52881	74.350609	70.663383
599.6	407.3	407.3	201.39	201.39	73.767	73.77	26.1	26.1	1843.7	1843.7	301.88	296.27	660.8	654.9	376.01	374.52	904.86	892.16	575.74	571.4	5817.30078	5528.80762	76.553734	72.053337
598.34	406.62	406.62	200.44	200.44	73.198	73.2	25.96	25.96	1864.36	1864.36	305.66	300.08	659.65	653.61	376.42	372.81	908.31	900.29	577.93	571.16	5736.83887	5531.22607	76.764229	72.683907
597.08	404.28	404.28	199.75	199.75	72.963	72.96	25.47	25.47	1856.69	1856.69	305.57	301.6	655	648.36	374.24	370.94	904.89	893.17	576.48	564.03	5765.92481	5416.3374	74.333015	67.589935
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5506.16309	5383.2832	69.851494	67.072754
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5534.11768	5319.02783	71.252502	67.537914
605.73	411.54	411.54	199.39	199.39	73.61	73.61	26.08	26.08	1869.52	1869.52	310.63	306.02	659.24	653.79	377.2	373.92	910.66	899.48	583.13	572.75	5359.63379	5010.94775	68.628349	62.873947
601.56	406.75	406.75	197.53	197.53	73.247	73.25	25.73	25.73	1846.05	1846.05	311.24	299.99	654.69	648.59	375.92	370.87	908.09	888.34	586.1	568.71	5338.64893	5078.29639	70.078781	64.371498
596.95	414.28	414.28	199.53	199.53	73.47	73.47	26.06	26.06	1888.66	1888.66	314.71	307.13	652.16	643.97	377.44	370.29	908.65	886.15	592.9	577.91	5347.40869	5221.5752	70.38707	65.101692
592.3	416.99	416.99	199.25	199.25	73.512	73.51	26.14	26.14	1862.57	1862.57	312.12	309.26	649.14	644.73	374.54	372.64	899.22	892.78	588.05	581.9	5369.32129	5231.51611	70.41465	65.974503
592.27	427	427	199.69	199.69	73.709	73.71	26.72	26.72	1862.47	1862.47	318.66	307.43	656.81	645.54	379.52	372.84	914.58	895.35	596.73	585.02	5409.8584	5237.21045	73.59803	67.84623
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5340.0083	4990.09424	71.492287	67.139254
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5340.90088	5209.61816	74.097984	70.049759
590.1	445.26	445.26	201.85	201.85	74.342	74.34	27.26	27.26	1901.86	1901.86	323.02	318.82	657.59	650.57	380.67	376.72	916.01	908.59	603.87	593.78	5811.43848	5153.66797	83.626404	69.837746
585.61	442.77	442.77	200.61	200.61	73.789	73.79	27.16	27.16	1910.52	1910.52	328.24	319.29	657.85	650.96	381.63	375.86	921.79	904.92	620.72	600.01	5889.26953	5795.93457	85.490273	83.023087
591.63	441.66	441.66	201.26	201.26	74.366	74.37	27.34	27.34	1931.54	1931.54	328.76	324.69	655.67	650.83	382.13	379.66	926.16	917.28	629.05	622.74	5887.25293	5709.74072	85.654114	82.780212
583.98	438.36	438.32	200.16	200.16	73.939	73.94	27.81	27.81	1915.69	1915.69	328.15	322.46	655.43	650.21	380.41	376.66	929.77	914.53	634.87	623.31	5900.28516	5764.53613	87.176826	84.232727
578.36	435.45	435.45	201.52	201.52	74.491	74.49	27.96	27.96	1933.54	1933.54	335.38	329.34	666.13	653.88	384.38	380.34	940.36	926.58	640.24	628.68	5841.78174	5549.82813	85.879501	80.915047
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5676.84131	5607.16943	84.998024	82.391548
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5679.75391	5515.88721	84.730247	80.960281
590.55	434.75	434.75	202.79	202.79	75.055	75.05	28.12	28.12	1949.64	1949.64	341.95	335.11	674.12	662.55	389.53	384.65	954.64	940.45	652.11	641.43	5778.98096	5543.09473	87.439468	82.66993
596.07	440.86	440.86	203.56	203.56	74.676	74.68	27.95	27.95	1965.77	1965.77	339.28	330.65	664.98	648.31	389.51	381.4	950.95	929.19	648.39	629.04	5796.00781	5370.46191	88.282906	80.491493
599.28	437.72	437.72	201.7	201.7	74.16	74.16	27.75	27.75	1935.85	1935.85	332.91	324.76	660.9	655.1	384.95	382.99	943.16	935.34	637.3	632.86	5646.84961	5334.0376	85.957809	82.148891
609.24	431.27	431.27	201.54	201.54	74.002	74	27.96	27.96	1914.93	1914.93	327.38	322.04	654.81	650.47	385.44	383.23	945.92	934.95	642	632.75	5875.11475	5566.30664	92.003403	84.624542
609.53	430.76	430.76	201.38	201.38	74.217	74.22	28.06	28.06	1912.21	1912.21	324.99	321.57	651.33	641.73	384.07	381.19	938.4	928.32	638.85	629.89	5868.51807	5679.73389	92.274498	88.218246
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6373.91602	5698.20801	99.91671	88.414886
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6530.32471	6401.479	102.85994	100.06884
609.19	427.01	427.01	201.15	201.15	74.502	74.5	27.63	27.63	1897.43	1897.43	323.41	318.5	642.16	633.54	381.9	378.77	929.92	915.58	642.77	633.29	6521.6792	6433.22852	103.387878	101.051331
602.07	431.54	431.54	199.96	199.96	74.436	74.44	27.95	27.95	1890.23	1890.23	328.45	322.05	645.46	635.29	384.77	381.23	937.03	923.93	650.45	643.34	6563.1792	6492.54883	104.467468	103.808104
597.97	436.16	436.16	201.41	201.41	74.905	74.9	28.16	28.16	1883.39	1883.39	327.52	323.12	653.96	640.71	383.7	380.53	931.65	920.44	644.77	637.56	6523.7666	6378.17529	103.779419	100.804352
601.58	435.31	435.31	201.97	201.97	74.838	74.84	28.33	28.33	1882.75	1882.75	327.53	317.28	660.97	653.2	385.62	382.66	934.04	920.81	645.93	635.43	6523.19727	6330.33789	104.145111	99.642311
605.37	442.63	442.63	201.63	201.63	74.43	74.43	28.31	28.31	1865.39	1865.39	318.82	315.75	656.8	645.77	385.08	383.35	928.79	919.49	641.72	634.66	6639.68115	6391.89258	108.192871	101.312393
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6650.84912	6529.19385	109.234985	104.945107
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6600.19727	6429.89697	106.255569	102.01973
607.59	434.89	434.89	199.07	199.07	73.878	73.88	28.51	28.51	1854.7	1854.7	315.63	310.9	649.1	642.08	383.7	379.07	924.32	912.68	643.53	633.42	6505.88574	6344.07324	102.881111	100.399483
607.82	429.23	429.23	199.73	199.73	74.003	74	28.11	28.11	1839.67	1839.67	315.48	310.78	654.19	644.79	382.28	377.92	923.29	907.65	640.24	630.41	6516.70068	6316.93994	103.133499	100.092682
596.56	432.75	432.75	200.02	200.02	73.7	73.7	27.76	27.76	1824.75	1824.75	316.82	314.09	650.37	646.29	381.08	378.87	918.67	912.14	639.86	632	6564.76563	6275.0752	106.045059	99.542686
581.57	439.99	439.99	197.73	197.73	73.401	73.4	27.72	27.72	1814.61	1814.61	317.65	312.56	656.73	647.56	384.21	378.31	923.79	912.39	649.17	632.16	6524.85449	6102.13428	105.340302	95.441483
596.07	445.59	445.59	198.78	198.78	74.466	74.47	28.14	28.14	1843.51	1843.51	322.99	316.97	658.48	653.42	387.5	384.63	933.76	924.02	659.78	647.91	6332.94922	6109.86914	101.650024	95.901581
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6336.25781	6241.16748	102.01545	100.447168
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6519.45068	6308.25781	104.936478	101.174248
598.62	444.07	444.07	199.8	199.8	74.62	74.62	28.78	28.78	1857.11	1857.11	321.07	317.71	654.16	649.13	388.16	385.12	935.45	926.27

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523.78	440.97	440.97	191.44	191.44	71.686	71.69	34.85	34.85	1758.28	1758.28	290.33	285.69	666.08	661.82	386.1	384.75	927.02	919.84	629.75	624.58	4928.93897	4591.93408	51.479225	47.139034
523.05	441.85	441.85	191.75	191.75	71.552	71.55	35.01	35.01	1755.28	1755.28	286.22	283.88	662.26	658.04	384.63	383.4	920.2	915.4	630.96	626.73	4604.70898	4066.45313	50.813763	42.864422
523.45	439.89	439.89	190.58	190.58	71.227	71.23	35.04	35.04	1748.09	1748.09	285.68	284.14	662.46	659.25	384.55	383.38	919.4	914.81	630.34	627.33	4109.03809	4022.71411	43.109425	42.615822
530.45	433.73	433.73	190.13	190.13	71.074	71.07	34.84	34.84	1750.76	1750.76	287.48	284.37	662.61	657.82	384.62	383.44	923.55	917.93	630.45	625.68	4168.15137	4033.09351	43.781815	42.280613
529.76	429.31	429.31	189.96	189.96	70.791	70.79	34.26	34.26	1761.24	1761.24	287.6	285.31	658.54	653.62	385.07	383.76	922.74	918.39	632.56	629.51	4152.44678	3892.08667	45.487091	41.253193
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3942.14844	3754.91357	46.454529	44.538483
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3787.50513	3682.81763	44.958496	44.009377
529.36	430.99	430.99	189.53	189.53	70.688	70.69	34.13	34.13	1744.35	1744.35	285.98	284.32	655.71	650.69	385.07	382.97	925.09	919.51	633.16	628.79	3770.09229	3689.60693	45.006073	44.009308
531.66	438.54	438.54	191.17	191.17	71.134	71.13	34.55	34.55	1747.2	1747.2	287.01	284.79	655.9	650.68	385.12	383.41	924.62	919.55	633.02	629.39	3727.47778	3536.64844	44.291634	42.873352
527.91	441.82	441.82	191.09	191.09	71.314	71.31	34.21	34.21	1740.41	1740.41	287.38	285.35	651.03	645.64	385.17	383.44	926.3	918.7	631.26	621.51	3701.57349	3579.98462	45.084225	43.219452
529.49	444.47	444.47	191.02	191.02	71.668	71.67	33.42	33.42	1743.54	1743.54	288.32	286.28	646.21	639.88	384.8	383.95	920.04	918.67	622.28	620.86	3785.52417	3623.04565	45.778591	43.907227
527.6	437.65	437.65	190.57	190.57	71.556	71.56	33.74	33.74	1742.98	1742.98	287.68	284.47	644.9	641.83	384.2	382.57	919.74	912.65	622.61	618.61	3810.61279	3727.71851	46.684959	45.352974
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3729.45483	3614.80713	46.699627	45.398914
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3689.83252	3522.57007	46.761345	44.547153
530.61	425.08	425.08	190.18	190.18	71.721	71.72	33.87	33.87	1721.03	1721.03	283.73	281.73	642.37	637.67	382.26	380.1	915.89	907.8	619.64	607.49	3563.26514	3428.93897	45.944946	42.796707
528.99	425.85	425.85	188.33	188.33	71.046	71.05	34.28	34.28	1716.85	1716.85	282.25	280.73	640.62	635.47	380.52	379.05	908.02	899.33	618.21	613.68	3639.17847	3487.82153	48.300774	45.337944
526.81	433.84	433.84	188.46	188.46	71.106	71.11	33.48	33.48	1708.79	1708.79	279.8	276.46	636.9	632.21	380.31	378.28	904.38	900.26	618.54	615.28	3584.54639	3297.25	48.140144	43.794003
526.22	421.23	421.23	190.14	190.14	71.43	71.43	33.01	33.01	1704.29	1704.29	276.7	273.5	637.39	632.78	378.77	377.68	901	893.48	617.83	611.93	3368.5957	3268.77271	45.560787	43.128429
515.79	420.12	420.12	188.9	188.9	71.235	71.23	33.31	33.31	1714.21	1714.21	278.36	275.16	635.9	629.91	378.67	377.58	897.75	892.1	616.04	612.71	3338.05127	3087.02002	44.282131	39.865669
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3176.16284	3068.02197	41.222137	39.741241
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3195.45679	3007.51343	41.657883	39.06208
510.5	420.31	420.31	188	188	70.914	70.91	33.07	33.07	1716.65	1716.65	278.89	276.95	633.22	629.7	377.66	376.1	896.6	890.75	618.09	611.17	3140.26563	2969.68921	41.074379	37.770813
512.47	420.21	420.21	187.83	187.83	70.914	70.91	33.66	33.66	1709.27	1709.27	279.34	276.92	634.22	628.73	377.6	376.28	893.1	885.96	614.34	607.97	3298.59326	3026.9978	43.991089	38.26022
510.09	422.65	422.65	188.71	188.71	70.891	70.89	33.9	33.9	1714.99	1714.99	281.94	278.24	639.6	631.19	376.6	375.41	886.41	880.95	609.84	605.94	3361.73267	3212.6333	44.869465	42.680962
504.73	429.25	429.25	188.85	188.85	70.977	70.98	33.74	33.74	1714.42	1714.42	282.21	280.85	644.38	638.58	376.2	375.05	883.81	881.01	608.2	604.01	3421.90097	3228.63232	46.713451	42.600182
504.87	423.42	423.42	189.81	189.81	71.21	71.21	33.52	33.52	1716.68	1716.68	281.25	278.25	652.41	645.79	377.03	375.58	883.03	877.83	608.02	603.65	3412.15381	3008.11694	46.531876	40.651867
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3069.09815	2885.53396	41.773556	37.789803
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3189.71606	2920.85254	44.241856	38.912067
500.38	427.24	427.24	190.07	190.07	71.5	71.5	32.88	32.88	1716.41	1716.41	277.29	274.19	652.76	647.84	376.01	374.07	880.49	874.22	603.27	597.68	3126.58057	2464.96582	42.414959	26.795214
494.67	429.35	429.35	189.61	189.61	71.591	71.59	33.96	33.96	1718.22	1718.22	275.57	273.33	659.16	652.05	376.21	374.58	879.1	872.66	598.79	594.07	3297.67017	2646.52197	52.50795	34.613159
488.2	434.17	434.17	189.17	189.17	71.394	71.39	33.99	33.99	1714.78	1714.78	275.79	273.33	656.02	648.11	376.12	373.96	877	872.71	596.43	592.91	3452.52344	3181.3313	53.974766	49.210754
488.15	434.82	434.82	189.33	189.33	71.912	71.91	34.59	34.59	1706.9	1706.9	278.2	275.78	657.32	652.79	375.93	373.85	880.21	873.65	596.51	587.96	3628.70606	3415.4502	58.609891	53.361713
485.73	432.96	432.96	189.37	189.37	71.976	71.98	34.93	34.93	1701.51	1701.51	275.98	273.48	656.06	651.35	373.46	370.52	873.58	863.61	588.65	582.8	3547.25317	3413.03809	56.205063	51.091824
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3528.16406	3283.50366	54.808613	47.423252
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3580.83594	3419.02246	57.802544	53.194633
485.28	426.13	426.13	187.97	187.97	71.32	71.32	34.19	34.19	1683.11	1683.11	273.51	271.3	650.61	643.23	369.81	367.64	862.17	857.04	587.71	581.47	3864.20166	3386.66992	66.423027	53.032486
490.33	423.99	423.99	187.29	187.29	71.163	71.16	34.64	34.64	1677.66	1677.66	273.97	270.65	647.48	640.95	370.05	367.64	863.61	856.02	589.44	582.28	3877.90747	3761.89795	67.557091	63.404545
485.09	421.94	421.89	186.33	186.33	70.805	70.81	34.78	34.78	1651.16	1651.16	270.46	267.8	645.35	641.27	368.8	365.97	856.3	845.73	585.8	571.87	3873.53198	3670.40405	67.657883	59.984818
475.99	422.91	422.91	185.78	185.78	70.404	70.4	35.26	35.26	1639.64	1639.64	272.23	270.02	646.59	641.26	369.98	367.65	856.02	850.15	576.4	567.49	3714.63086	3359.75635	60.774918	49.626019
470.61	423.54	423.54	187.18	187.18	70.759	70.76	35.19	35.19	1627.89	1627.88	270.8	269.63	643.68	640.75	369.09	367.87	852.59	846.64	569.64	562.7	3864.68311	3452.43701	64.583878	51.465294
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3975.77808	3725.72315	69.8573	62.080204
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4195.86768	3769.28418	77.646286	60.91465
468.46	429.06	429.06	188.3	188.3	70.767	70.77	35.13	35.13	1647.17	1647.17	273.02	269.75	648.63	644.83	370.86	368.6	855.94	846.53	570.07	560.2	4125.84131	3934.51343	73.667	58.793484
458.55	421.7	421.7	188.3	188.3	71.089	71.09	34.91	34.91	1637.32	1637.32	269.64	266.88	645.59	636.83	368.78	365.78	850.13	844.52	563.82	558.63	3981.54663	3825.9187	60.673801	53.81546
459.22	413.53	413.53	186.36	186.36	70.637	70.64	34.45	34.45	1624.46	1624.46	266.54	264.23	640.13	633.66	365.65	363.91	847.05	842.38	562.89	559.54	3861.2251	3742.39209	54.011017	50.968616
454.04	415.67	415.67	184.89	184.89	69.915	69.92	34.15	34.15	1614.82	1614.82	265.6	261.54	632.66	624.65	365.24	360.1	851.05	834.69	564.72	553.92	3865.68628	3613.22534	52.888435	50.954334
464.02	420.32	420.32	185.24	185.24	70.178	70.18	34.47	34.47	1631.4	1631.4	267.61	264.91	638.02	633.21	367.6	365.94	855.97	848.13	567.03	561.63	3676.37549	3542.97217	54.44025	50.220284
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3703.94995	3620.67261	53.949184	43.306358
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3672.65991	3580.6106	43.827827	43.211642
465.32	421.56	421.56	185.48	185.48	70.207	70.21	34.7	34.7	1640.57	1640.57	269.88	267.58	641.93	637.73	370.11	368.05	860.53	853.91	570.57	565.3	3748.69605	3651.53442	43.902988	42.267723
465.34	423.85	423.85	186.19	186.19	70.672	70.67	34.64	34.64	1642.55	1642.55	269.87	267.79	641.8	638.89	370.01	368.43	858.28	854.61	571.41	563.08	3710.06274	3499.92358	45.160534	42.540985
467.32	426	426	186.66	186.66	70.594	70.59	34.83	34.83	1653.07	1653.07	271.21	268.63	643.73	638.28	370.24	367.26	861.09	854.64	565.18	561.65	3606.89868	3468.33057	46.40398	39.526871
470.73	432.88	432.88	187.11	187.11	71.081	71.08	35	35	1657.88	1657.88	269.73	266.26	643.36	639.71	369.88	367.42	858.33	844.8	563.07	556.88	3512.34351	3112.73193	40.544483	38.522999
469.23	431.3	431.3	186.77	186.77	70.788	70.79	35.32	35.32	1641.9	1641.9	268.01	265.24	644.62	637.89	368.5	365.82	848.43	840.4	558.94	552.8	3496.2478	3376.16406	41.280041	38.859795
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3568.27393	3460.78223	40.430159	38.053997
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3608.21411	3376.31812	40.035458	37.229591
469.14	430.5	430.5	186.83	186.83	70.924	70.92	35.83	35.83	1646.8	1646.8	269.34	267.03	643.52	638.47	368.25	366.92	850.61	843.83	558.25	554.43	3720.84277	3414.45581	40.734959	37.180912
473.57	437.39	437.39	188.29	188.29	71.995	71.99	35.22	35.22	1660.63	1660.63	273.7	271.18	651.07	645.45	373.3	370.6	858.87	852.51	565.61	559.41	3843.58936	3614.12866	38.23951	37.174561
477.64	443.9	443.9	188.23	188.23	72.289	72.29	37.7	37.7	1667.96	1667.96	273.79	272.39	650.41	641.49	373.64	370.75	856.77	847	565.49	560.09	3721.10571	3402.4021	38.532799	36.282536
477.31	440.97	440.97	187.87	187.87	71.772	71.77	36.81	36.81	1653.99	1653.99	273.03	271.08	642.78	637.87	371.67	369.78	851.47	843.84	562.36	557.95	3782.65723	3335.76416	38.919674	35.010471
479.82	426.06	426.06	188.2	188.2	71.69	71.69	37.17	37.17	1650.16	1650.16	271.24	268.13	638.04	631.55	370.86	366.85	849.08	839.26	560.41	553.75	3673.45825	3373.49683	39.319382	38.530403
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3561.60303	3264.89502	40.684494	37.513458
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3342.85718	3058.31079	40.304249	39.172142
483.05	418.13	418.13	185.71	185.71	70.281	70.28	37.01	37.01	1626.84	1626.84	269.88	265.17	636.59	629.8	368.75	365.62	838.07	830.51	555.28	550.36	3114.18408	2864.52612	40.141899	39.423073
498.1	421.98	421.98	188.72	188.72	71.237	71.24	36.99	36.99	1638.37	1638.37	273.94	270.51	638.82	634.57	373.94	369.54	845.85	834.42	557.25	552.42	2935.10962	2827.72803	41.370575	39.507053
498.61	424.93	424.93	189.62	189.62	71.725	71.73	37.54	37.54	1655.66	1655.66	274.46	272.4	647.2	640.18	376.26	372.71	853.75	840.83	561.67	555.16	2913.97925	2767.05588	42.814455	40.160336
496.65	429.55	429.55	190.19	190.19	71.793	71.79	37.53	37.53	1668.16	1668.16	276.86	274.85	649.02	643.97	377.14	374.83	856.68	849.72	564.54	558.63	2950.51221	2834.48828	41.979847	38.798698
502.53	427.24	427.24	190.09	190.09	71.826	71.83	37.09	37.09	1665.32	1665.32	276.75	274.07	648.64	643.93	377	375.31	860.22	854.01	562.78	557.48	2882.81006	2698.87134	39.443359	38.272942
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2797.79981	2680.82593	40.184605	38.290539
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2795.01318	2442.29883	39.857784	36.934841
497.34	425.3	425.3	190.35	190.35	72.124	72.12	37.05	37.05	1676.79	1676.79	276.25	271.82	647.51	636.48	376.94	372.25	857.96	846.1	563.33	551.66	2463.11279	2311.47437	37.180489	36.054138
498.85	420.03	420.03	189.38	189.38	71.964	71.96	36.25	36.25	1661.91	1661.91	274.2	270.99	639.17	633.11	373.61	371.34	852.62	845.43	557.37	553.25	2369.5022	2269.19629	36.455875	35.567112
506.05	416.74	416.74	189.2	189.17	72	72	36.84	36.84	1656.04	1656.04	276.56	272.5	641.12	634.45	374.47	372.04	858.26	847.77	560.07	552.93	2336.96802	2249.69653	36.535007	35.571369
511.83	416.28	416.28	187.84	187.84	72.057	72.06	37.05	37.05	1674.07	1674.07	274.06	270.98	645.07	636.88	375.09	372.05	858.73	846.01	560.38	551.92	2470.27734	2273.62866	37.011669	34.78537
512.63	405.99	405.99	185.75	185.75	71.668	71.67	37.56	37.56	1660.87	1660.87	273.71	270.98	648.66	641.54	373.96	371.67	856.08	847.31	557.72	551.12	2440.55762	2318.76758	37.344925	33.197834
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2346.68652	2251.31934	35.595589	34.101124
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2390.84106	2292.13477	35.189991	34.329229
510.32	413.31	413.31	186.47	186.47	71.751	71.75	37.86	37.86	1668.86	1668.86	276.01	271.2	648.45	640.76	374.67	371.28	854.51	843.87	561.2	552.86	2466.33472	2292.71899	36.374016	30.593719
513.4	419.08	419.08	188.47	188.47	72.745	72.74	37.69	37.69	1680.85	1680.85	278.67	275.41	651.17	622.98	377.41	375.36	866.78	854.07	567.23	560.96	2306.31958	2157.03565	36.346153	35.515102
513.9	418.66	418.66	187.56	187.56	72.27	72.27	39.66	39.66	1673.45	1673.45	275.84	273.6	625.63	615.02	377.35	374.53	871.1	862.05	570.28	563.25	2242.72827	2107.12744	36.679497	34.931816
493.95	414.47	414.47	187.44	187.44	72.147	72.15	39.03	39.03	1654.69	1654.69	276.97	273.23	619	612	376.05	372.85	867.49	861.81	566.97	561.41	2373.18262	2130.49365	38.494884	35.263008
509.35	412.67	412.67	187.03	187.03	72.201	72.2	38.46	38.46	1645.82	1645.82	277.32	273.58	619.45	611.64	374.49	371.84	866.45	859.62	570.18	557.45	2386.78247	2312.53418	38.50116	37.089966
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2429.38745	2276.49683	40.006607	36.830647
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2455.32666	2279.73071	40.14299	38.98859
513.43	413.9	413.89	187.19	187.19	72.47	72.47	38.67	38.67	1660.12	1660.12	278.43	273.59	626.07	618.06	378.16	372.81	879.04	861.24	586.22	567.17	2441.2229	2246.85083	40.811543	38.189655
522.5	420.95	420.95	188	188	72.848	72.85	39.02	39.02	1688.8	1688.8	280.24	275.76	630.9	622.83	380.9	376.65	885.78	871.59	592.23	583.13	2495.22583	1969.36487	39.06102	35.533054
513.59	445.55	445.55	188.21	188.21	73.16	73.16	39.12	39.12	1692.8	1692.8	275.88	268.5	626.95	622.18	379.31	376.84	877.61	872.25	588.49	583.46	2081.05737	1958.60486	38.534573	35.184593
517.72	444.46	444.46	187.88	187.88	72.776	72.78	39.37	39.37	1665.95	1665.95	274.36	267.31	627.4	620.53	379.81	375.75	884.26	868.95	589.45	581.46	2067.01587	1878.4884	39.162331	35.97406
521.33	448.71	448.71	187.66	187.66	72.569	72.57	39.64	39.64	1685.23	1685.23	278.8	275.86	628.94	625.06	381.33	379.44	887.67	880.76	593.34	589.11	1943.44336	1684.64087	37.533115	35.039074
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1795.38672	1607.24695	36.584118	31.730007
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1945.70496	1735.77222	37.329121	32.945496
512.89	445.08	445.08	188.51	188.51	72.862	72.86	39.55	39.55	1688.57	1688.57	276.86	274.52	627.01	620.74	380.29	378.98	885.56	879.15	592.16	585.76	2074.48218	1903.91553	40.7878	35.606945
505.4	442.34	442.34	187.67	187.67	72.081	72.08	39.42	39.42	1683.41	1683.41	276.85	274.6	625.22	620.71	380.46	378.36	882.23	876.12	590.77	582.25	2121.06006	2053.71997	42.94659	39.822163
500.28	440.31	440.31	186.63	186.63	71.636	71.64	39.39	39.39	1684.66	1684.66	276.5	270.28	623.04	609.13	378.88	372.74	877.48	864.21	589.07	579.31	2122.52393	1982.00183	39.543342	38.40448
502.22	440.09	440.09	184.14	184.12	70.669	70.67	39.1	39.1	1667.58	1667.58	272.66	269.47	617.66	608.87	376.38	372.46	871.68	862.73	580.87	573.66	2118.19385	2017.40015	41.58424	38.312061
497.14	443.66	443.66	185.82	185.82	71.661	71.66	39.38	39.38	1684.81	1684.81	270.33	268.81	619.82	613.65	375.63	374.12	866.52	861.62	573.78	568.31	2228.51123	2036.79346	44.297688	39.256756
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2311.83325	2207.8313	46.762104	43.440926
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2255.56152	2186.23682	46.267632	39.184299
496.6	441.25	441.25	184.02	184.02	71.412	71.41	39.33	39.33	1671.8	1671.8	268.25	264.44	614.13	608.38	373.8	372.35	863.73	858.69	570.48	565.93	2558.24194	2191.99121	44.793274	40.028507
510.73	433.1	433.1	183.66	183.66	71.332	71.33	39.38	39.38	1667.63	1667.61	269.02	263.53	619.74	607.09	374.29	372.06	874.15	859.39	571.03	564.91	2291.14795	2271.01514	46.91376	44.884362
513.7	432.56	432.56	185.99	185.99	72.017	72.02	39.61	39.61	1684.91	1684.91	268.11	263.78	618.6	613.77	376.71	374.64	875.96	869.98	570.03	563.52	2309.89063	2236.60791	49.313297	44.656666
517.08	435.83	435.83	185.2	185.2	72.082	72.08	39.26	39.26	1676.87	1676.87	265.27	263.66	620.39	616.53	376.99	375.28	878.32	874.94	573.06	567	2315.7251	2250.37378	48.801971	40.94495
509.07	434.22	434.22	185.83	185.83	72.166	72.17	39.39	39.39	1683	1683	267.2	264.6	620.08	615.36	377.27	373.63	879.39	868.24	572.38	560.98	2282.72339	2174.51563	42.564106	35.879326
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2201.45337	2096.87427	37.89027	33.100956
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2202.32031	2118.22949	35.529552	33.684967
504.69	431.42	431.42	186.71	186.71	72.57	72.57	38.67	38.67	1687.07	1687.07	267.42	262.74	625.91	616.94	376.27	372.74	881.61	866.98	567.01	559.88	2240.82837	2170.06997	36.594231	35.212551
504.66	427.69	427.69	185.36	185.36	72.592	72.59	37.36	37.36	1676.67	1676.67	273.98	262.77	631.97	617.19	381.04	373.79	901.12	878.7	575.81	560.63	2263.35913	2201.40308	37.64291	35.406601
503.4	434.95	434.95	186.71	186.71	73.021	73.02	37.82	37.82	1720.49	1720.49	271.82	266.97	635.89	628.89	379.95	375.48	897.37	887.67	574.84	566.13	2289.41455	2188.53052	38.338345	34.52084
506.47	428.37	428.37	188.01	188.01	73.709	73.71	37.41	37.41	1735.47	1735.47	275.89	272.27	640.87	634.91	382.03	379.01	904.82	898.1	577.48	568.34	2251.83057	2067.33716	36.983738	32.097446
505.91	431.44	431.44	189.79	189.79	74.681	74.68	37.53	37.53	1759.6	1759.6	279.51	275.85	643.66	636.44	384.23	381.8	909.46	902.42	585.01	577.88	2336.71362	2126.24365	39.61515	33.589409
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2397.01514	2279.28931	41.300537	38.47252
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2464.64697	2308.48071	42.397942	39.331188
502.62	423.13	423.13	190.22	190.22	74.739	74.74	37.95	37.95	1766.65	1766.65	278.85	275.4	640.85	633.28	382.19	379.93	907.19

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592.95	312.01	312.01	162.94	162.94	67.786	67.79	30.06	30.06	1422.74	1422.74	207.59	202.86	568.77	557.62	335.21	330.71	777.81	770.64	510.86	500.41	660.522278	655.061401	3.527532	3.504203
590.93	306.95	306.95	161.78	161.78	67.081	67.08	29.47	29.47	1438.01	1438.01	210.99	205.21	584.84	561.15	338.25	331.76	782.03	773.22	508.21	495.56	661.680237	653.145386	3.549862	3.501607
554.15	306.19	306.19	167.28	167.28	68.495	68.49	30.16	30.16	1453.65	1453.65	206.76	198.59	581.15	564.13	334	321.36	774.23	745.08	505.78	485.51	666.347961	639.94397	3.547046	3.420398
567.77	302.28	302.28	169.26	169.26	68.588	68.59	32.58	32.58	1451.93	1451.93	207.05	204.57	586.86	579.2	329.39	327.37	763.43	758.82	509.84	502.66	647.463684	635.244629	3.49961	3.460611
567.86	300.01	300.01	168.12	168.12	68.506	68.51	35.15	35.15	1452.33	1452.33	206.43	201.87	581.38	574.81	328.17	324.1	761.75	749.54	507.86	497.27	640.245056	632.938171	3.502684	3.43398
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	640.877502	627.689575	3.544991	3.444603
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	634.822815	626.055664	3.524002	3.456106
560.9	290.24	290.24	166.35	166.35	67.779	67.78	33.93	33.93	1435.69	1435.69	202.26	199.62	577.95	572.45	325.41	322.26	750.69	745.66	498.05	492.03	636.243347	617.846985	3.503469	3.439151
566.19	296.7	296.7	168.03	168.03	68.525	68.52	34.09	34.09	1433.19	1433.19	204.69	202.28	586.64	577.5	328.5	325.45	760.33	751.83	505.06	499.09	671.202393	610.731262	3.763802	3.435618
564.65	288.55	288.55	167.58	167.58	68.006	68.01	34.62	34.62	1442.17	1442.17	205.06	203.1	591.38	585.69	329	325.99	765.54	759.83	512.71	499.88	667.894836	651.880676	3.737776	3.659913
580.65	288.83	288.83	167.14	167.14	67.832	67.83	35.94	35.94	1457.48	1457.48	210.35	204.85	601.9	591.72	334.95	329.51	778.04	767.64	524.66	513.71	668.590149	639.322693	3.754773	3.638822
588.31	286.75	286.75	170.16	170.16	68.972	68.97	36.9	36.9	1487.61	1487.61	210.26	208.3	601.36	595.96	334.58	332.52	776.14	771.83	523.38	518.87	648.226074	630.521423	3.692231	3.631799
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	650.321472	634.254578	3.731126	3.665263
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	656.044067	628.405457	3.736026	3.617248
595.18	289.14	289.14	169.05	169.05	69.04	69.04	36.76	36.76	1506.62	1506.62	209.91	206.73	606.54	596.35	335.28	332.56	777.91	766.91	524.08	516.12	629.048828	627.153687	3.704175	3.619103
599.56	281.38	281.38	168.92	168.92	68.87	68.87	36.82	36.82	1512.8	1512.8	214.58	210.15	618.84	611.8	337.51	334.2	774.1	763.7	525.5	519.51	631.795593	621.598816	3.728349	3.626994
608.88	286.97	286.97	171.88	171.88	70.116	70.12	36.86	36.86	1517.63	1517.63	214.18	210.6	625.48	613.09	337.11	334.14	779.95	766.49	522.79	513.48	623.317749	604.150269	3.642608	3.577682
626.49	279.76	279.76	174.63	174.63	71.466	71.47	37.04	37.04	1523.08	1523.08	213.6	211.38	626.48	622.49	339.9	336.9	784.11	777.52	523.89	518.52	610.123047	601.544128	3.5982	3.559356
628.95	282.61	282.61	174.49	174.49	71.623	71.62	37.38	37.38	1539.17	1539.17	215.27	213.06	635.75	624.95	341.28	338.48	785.62	778.75	523.12	516.64	604.036377	599.480957	3.603125	3.557299
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	607.543701	600.887695	3.62199	3.576475
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	604.849304	581.556702	3.596435	3.491408
629.76	279.65	279.65	173.73	173.73	71.269	71.27	37.16	37.16	1549.71	1549.71	214.47	211.99	634.93	629.55	339.66	337.6	784.99	778.86	520.67	513.07	583.23584	577.664368	3.520129	3.45817
622.63	281.91	281.91	173.59	173.59	71.508	71.51	37.05	37.05	1515.91	1515.91	214.25	211.89	632.48	625.65	339.2	335.17	784.3	775.39	521.6	514.32	576.093506	572.496826	3.479435	3.450805
619.2	272.46	272.46	171.78	171.78	70.941	70.94	37.17	37.17	1521.99	1521.99	216.64	213.51	631.51	623.48	338.49	335.58	781.66	775.11	516.56	509.16	581.005859	572.638855	3.510863	3.451646
619.12	271.51	271.51	171.71	171.71	70.938	70.94	36.77	36.77	1527.36	1527.36	214.25	212.24	629.33	623.84	337.07	333.09	781.45	774.24	512.98	506.9	583.282654	579.495178	3.840399	3.49026
619.4	260.35	260.35	169.07	169.07	69.499	69.5	36.48	36.48	1503.29	1503.29	212.56	210.7	624.37	620.13	334.25	331.66	776.67	771.3	511.53	506.1	585.745056	580.655518	3.561022	3.506482
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	586.211365	582.566772	3.563764	3.535762
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	585.485535	581.189026	3.569007	3.528686
621.94	260.61	260.61	170.68	170.68	70.214	70.21	36.41	36.41	1514.25	1514.25	213.1	209.23	626.34	617.53	335.71	330.81	780.59	770.11	512.85	503.23	583.729248	576.686584	3.545483	3.528339
611.8	255.43	255.43	169.82	169.82	69.798	69.8	35.49	35.49	1509.16	1509.16	213.24	208.97	621.27	614.91	331.96	328.34	769.65	763.9	508.5	500.6	579.598083	574.375	3.555567	3.401671
617.42	259.38	259.38	168.04	168.04	68.789	68.79	35.93	35.93	1514.32	1514.32	221.97	213.55	627.55	619.2	335.29	332.92	778.35	771.83	517.31	510.02	580.658203	577.624939	3.475683	3.413832
616.78	255.22	255.22	169.22	169.22	69.254	69.25	36.07	36.07	1530.08	1530.08	229.99	225.27	628.15	623.62	337.3	334.27	781.85	774.03	520.43	513.34	580.595032	555.653396	3.470462	3.404108
602.31	248.68	248.68	171.22	171.22	69.499	69.5	37.36	37.36	1539.24	1539.24	229.99	226.7	625.48	617.84	336.61	332.12	779.58	768.49	519.7	510.59	555.144714	550.667603	3.423374	3.397324
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	552.805969	551.033936	3.437988	3.402742
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	553.387207	551.148132	3.451361	3.425417
601.08	250.65	250.65	170.58	170.58	69.614	69.61	37.26	37.26	1527.8	1527.8	229.41	225.61	625.15	617.69	336.76	333.28	782.21	773.17	517.57	508.98	552.694092	549.902039	3.449353	3.440821
596.25	261.32	261.32	171.59	171.59	70.837	70.84	38.05	38.05	1548.01	1548.01	230.43	228.27	634.39	625.17	339.7	337.13	784.07	777.34	523.13	517.2	550.85614	546.24707	3.46349	3.430308
587.66	269.46	269.46	174.83	174.83	72.309	72.31	37.77	37.77	1552.31	1552.31	230.92	229.69	638.2	630.72	339.06	336.37	781.84	774.96	521	508.45	547.608215	543.524414	3.496784	3.409276
586.45	269.35	269.35	178.9	178.9	74.459	74.46	37.89	37.89	1562.3	1562.3	232.65	230.32	642.31	636.53	341.46	337.53	784.53	772.1	518.86	506.97	546.232971	543.983398	3.425152	3.407109
582.16	273.69	273.69	180.5	180.5	74.908	74.91	37.56	37.56	1552.37	1552.37	231.31	230.41	640.29	635.6	338	336.16	775.01	771.42	507.04	505.85	546.447815	543.738342	3.431312	3.412391
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	546.122009	542.276978	3.447559	3.393756
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	547.217834	542.496704	3.430232	3.414391
569.8	274.84	274.84	180.42	180.42	75.259	75.26	37.37	37.37	1548.24	1548.24	231.37	225.54	639.22	633.37	337.68	331.11	772.84	755.74	508.22	489.68	542.324097	540.570862	3.435114	3.422518
555.25	274.6	274.6	180.77	180.77	74.927	74.93	37.43	37.43	1545.04	1545.04	230.41	227.09	646.24	637.37	340.23	336.11	776.9	763.72	509.99	500.07	540.985962	538.888123	3.442437	3.413501
543.95	279.98	279.98	182.19	182.19	75.557	75.56	37.28	37.28	1554.06	1554.06	229.09	226.73	645.56	639.95	338.16	334.91	768.99	757.2	504.78	495.93	541.259949	539.586792	3.455758	3.417872
539.76	276.42	276.42	181.89	181.89	75.55	75.55	36.9	36.9	1544.36	1544.36	227.48	223.14	642.21	634.86	336.19	331.67	761.61	752.45	503	488.92	541.145874	538.758545	3.446099	3.426072
545.15	276.92	276.92	181.21	181.21	74.947	74.95	37.24	37.24	1541.58	1541.58	227.09	225.01	636.15	631.4	338.19	333.74	767.41	757.63	507.6	497.5	540.667664	534.641541	3.438366	3.380602
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	537.772705	534.406494	3.394508	3.365597
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	538.84137	536.58197	3.418396	3.385633
555.58	281.44	281.44	182.04	182.04	75.616	75.62	37.52	37.52	1557.99	1557.99	229.37	227.48	638.26	634.81	341.13	338.65	770.99	766.68	513.01	508.19	537.663818	531.666992	3.399929	3.359312
551.89	285.56	285.56	182.6	182.6	75.863	75.86	37.98	37.98	1573.86	1573.86	229.77	224.92	640.12	629.71	342.55	337.39	773.23	763.55	515.61	502.71	534.793152	531.953064	3.449009	3.361801
545.94	282.36	282.36	179.52	179.52	74.2	74.2	37.43	37.43	1543.26	1543.26	224.72	222.78	631.68	627.87	338.75	336.19	766.73	760.45	504.88	500.49	541.286011	532.894836	3.469832	3.364103
540.74	282.65	281.44	181.09	181.09	74.479	74.48	37.71	37.71	1535.96	1535.96	221.99	220.03	629.21	624.09	336.68	334.34	765.59	760.3	501.63	497.83	545.387451	544.796143	3.453804	3.423107
543.51	290.78	290.78	180.39	180.39	74.016	74.02	37.61	37.61	1529.37	1529.37	220.8	219.15	626.42	620.6	335.67	332.96	759.75	756.53	502.01	494.84	547.381042	544.313232	3.76496	3.419106
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	546.883606	543.125061	3.668516	3.417712
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	544.92157	542.529846	3.425137	3.403487
538.22	293.52	293.52	180.24	180.24	73.398	73.4	37.12	37.12	1510.34	1510.34	219.49	216.37	626.09	619.55	334.79	331.45	760.82	753.56	504.69	491.49	542.384949	544.20575	3.402366	3.385938
542.65	292.95	292.95	179.37	179.37	73.561	73.56	37.21	37.21	1524.98	1524.98	219.33	214.95	622.15	614.33	334.64	331.91	762.74	756.47	504.45	496.15	543.670837	539.93335	3.418778	3.380792
547.89	292.31	292.31	179.16	179.16	73.846	73.85	37.13	37.13	1518.13	1518.13	218.16	216.09	618.7	613.32	334.7	332.38	770.28	759.92	505.98	498.66	544.054077	542.206543	3.422534	3.404484
548.23	296.43	296.43	178.91	178.91	74.163	74.16	37.13	37.13	1514.26	1514.26	219.88	217.17	623.68	614.24	338.1	332.81	766.79	759.09	509.69	502.66	545.221252	540.449707	3.427567	3.389856
558.82	298.32	298.32	180.27	180.27	75.406	75.41	37.25	37.25	1517.1	1517.1	218.95	214.24	619.17	610.28	337.58	332.63	768.84	751.83	512.79	499.14	541.0448	539.48584	3.444589	3.378257
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	560.144287	534.828979	3.557376	3.429906
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	556.827881	554.422791	3.543524	3.524604
575.82	304.84	304.84	180.46	180.46	76.157	76.16	37.49	37.49	1523.98	1523.98	222.35	220.23	627.37	619.16	342.81	338.91	780.09	768.1	519.41	512.42	556.292175	550.219971	3.534664	3.528204
575.03	302.92	302.92	185.3	185.3	78.069	78.07	37.84	37.84	1541.98	1541.98	225.52	220.8	634.16	624.23	345.36	340.41	790.13	776.07	523.96	510.52	556.679993	545.736145	3.554924	3.514655
574.93	293.29	293.29	187.28	187.28	78.366	78.37	38.19	38.19	1543.38	1543.38	226.85	224.84	635.26	623.02	344.81	342.41	789.92	783	523.5	515.37	546.894165	540.612122	3.47227	3.511697
574.89	292.86	292.86	186.14	186.14	78.427	78.43	37.95	37.95	1538.96	1538.96	227.5	224.05	637.28	633.8	345.29	342.88	787.75	781.26	518.94	513.11	547.436829	542.53656	3.578291	3.543052
573.97	290.61	290.61	185.64	185.64	78.255	78.26	38.14	38.14	1544.76	1544.76	228.74	226.47	639.21	634.76	345.45	344.19	788.26	782.94	516.76	512.56	545.846008	539.740112	3.614625	3.553302
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	548.585083	535.145691	3.622631	3.479593
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	537.52356	514.709961	3.503309	3.413297
561.33	290.35	290.35	185.59	185.59	78.381	78.38	37.86	37.86	1539.69	1539.69	228.05	225.49	638.03	624.96	344.46	337.39	784.2	774.64	514.84	503.35	515.439636	509.516174	3.425714	3.407451
564.85	284.69	284.69	183.75	183.75	77.997	78	37.42	37.42	1512.37	1512.37	228.19	226.22	628	622.47	340.64	336.65	784.11	774.78	517.41	504.56	516.54657	510.821899	3.452774	3.396765
571.81	277.97	277.97	183.44	183.44	77.215	77.21	37.28	37.28	1506.28	1506.28	230.11	226.43	628.55	622.39	339.82	337.26	782.46	777.86	512.48	507	518.586548	515.309021	3.42147	3.388654
578.31	281.86	281.86	183.91	183.91	76.771	76.77	37.55	37.55	1523.05	1523.05	230.16	227.66	629.84	626.44	339.68	338.46	786.58	779.71	510.46	503.33	517.962585	513.197449	3.430639	3.359869
579.57	279.95	279.95	184.75	184.75	76.372	76.37	37.23	37.23	1497.23	1497.23	227.56	225.22	626.58	624.15	337.36	335.36	779.41	771.46	505.45	498.24	514.763733	512.754883	3.381413	3.338687
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	512.717041	508.878174	3.355761	3.332461
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	517.903687	507.886749	3.421391	3.328457
575.33	278.72	278.72	184.08	184.08	76.429	76.43	37.57	37.57	1500.94	1500.94	227.31	225.48	627.71	621.98	338.2	334.92	781.32	772.16	506.59	499.36	517.397095	511.127045	3.407448	3.359052
572.03	278.64	278.64	184.03	184.03	76.68	76.68	37.32	37.32	1485.41	1485.41	228.01	225.88	625.4	620.7	337.8	334.81	779.22	771.9	506.59	496.93	515.406677	509.267731	3.434055	3.348201
582.08	284.56	284.56	184.53	184.53	77.338	77.34	37.41	37.41	1495.58	1495.58	229.12	226.36	625.43	621.04	339.57	335.56	781.95	772.32	510.18	501.24	516.49707	514.831726	3.506492	3.410231
577.34	279.11	279.11	185.35	185.35	76.882	76.88	37.14	37.14	1492.96	1492.96	228.4	226.17	629.15	622.28	338.11	335.2	779.84	770.36	508.57	500.67	519.680847	514.31073	3.543771	3.231129
576.47	278.52	278.52	183.47	183.47	76.084	76.08	37.49	37.49	1484.27	1484.27	227.21	224.75	627.75	619.59	337.15	333.17	780.39	765.8	508.83	498.08	519.922241	514.346191	3.235625	3.19578
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	515.767273	512.831909	3.20196	3.185802
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	514.584106	508.0849	3.201783	3.178165
580.94	275.78	275.78	183.76	183.76	75.602	75.6	36.19	36.19	1488.51	1488.51	226.28	224.88	624.93	619.86	336.75	332.89	772.38	764.68	506.87	497.59	510.720703	506.377991	3.203403	3.177432
569.85	277.7	277.7	184.2	184.2	76.143	76.14	36.09	36.09	1487.23	1487.23	225.8	223.86	625.78	622.48	336.93	335.07	772.14	767.98	507.92	503.64	509.741516	507.684814	3.218072	3.188601
564.31	273.09	273.09	182.36	182.36	75.356	75.36	33.54	33.54	1482.55	1482.55	228.69	223.06	627.02	622.68	338.44	334.11	775.94	762.79	511.72	502.15	515.662659	507.44162	3.232397	3.180692
563.61	276.86	276.86	183.98	183.98	75.809	75.81	33.87	33.87	1489.96	1489.96	230.52	228.16	626.98	623.58	339.61	337.13	776.41	766.59	517	508.89	515.725159	505.40979	3.236276	3.171551
565.78	282.04	282.04	186.12	186.12	76.641	76.64	34.29	34.29	1501.76	1501.76	231.13	229.41	632.69	628.88	341.23	339.44	772.07	767.11	521.09	514.78	513.500488	503.027588	3.297045	3.189867
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	524.508362	505.849548	3.333745	3.23562
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	528.187317	523.893066	3.362529	3.299436
568.88	287.13	287.13	186.34	186.34	76.859	76.86	34.07	34.07	1498.29	1498.29	230.15	229.25	629.67	626.39	340.69	339.4	770.16	766.85	518.3	512.85	529.019775	524.161377	3.362975	3.302984
554.54	280.78	280.78	185.62	185.62	76.182	76.18	34.02	34.02	1502.72	1502.72	229.7	228.12	627.84	622.84	340.32	336.84	770.4	763.63	518.94	511.84	535.71991	529.02301	3.358442	3.26004
559.07	280.48	280.48	184.48	184.48	76.636	76.64	33.81	33.81	1494.95	1494.95	229.24	228.04	625.75	622.05	338.57	337.03	766.84	761.3	516.82	511.53	537.234985	526.554382	3.362626	3.326626
546.04	284.81	284.81	184.49	184.49	76.638	76.64	34.09	34.09	1499.46	1499.46	229.29	226.41	627.34	623.43	338.65	334.76	766.95	750.64	516.53	503.44	533.234985	527.648682	3.414389	3.36814
537.98	278.45	278.45	182.49	182.49	76.792	76.79	33.34	33.34	1472.73	1472.73	227.55	226.07	628.41	624.23	336.8	334.86	752.84	747.6	511.66	503.64	535.193176	530.536804	3.428555	3.37884
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	538.979797	529.330688	3.436785	3.379009
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	530.75592	513.683044	3.401534	3.333186
529.68	279.41	279.41	183.27	183.27	77.108	77.11	33.33	33.33	1479.91	1479.91	227.49	225.33	632.52	624.48	335.48	331.9	746.8	736.63	506.31	492.23	519.522949	511.745361	3.361792	3.321162
523.11	273.6	273.6	182.53	182.53	76.535	76.53	33.23	33.23	1472.47	1472.47	225.64	221.21	626.37	619.8	332.34	330.01	740.08	732.8	498.05	488.88	521.082581	508.424683	3.372178	3.332213
507.91	272.69	272.69	180.26	180.26	75.837	75.84	32.38	32.38	1465.75	1465.75	224.57	222.15	628.76	625.05	330.51	328.04	736.86	730.88	490.47	477.47	512.981995	482.920441	3.352005	3.203505
509.48	274.93	274.93	181.71	181.71	76.398	76.4	31.86	31.86	1468.26	1468.26	227.04	223.56	631.62	626.57	333.19	328.95	743.82	733.14	502.24	485.1	548.99939	473.68634	3.482033	3.137039
526.76	278.82	278.82	182.85	182.85	76.995	77	32.48	32.48	1488.55	1488.55	229.78	226.77	642.82	631.62	337.81	333.04	748.37	739.15	508.7	498.62	560.787292	543.004089	3.637341	3.460296
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	586.070068	559.216309	3.65241	3.55089
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	588.697815	585.107788	3.661855	3.630865
530.85	281.7	281.7	182.75	182.75	77.221	77.22	32.59	32.59	1491.97	1491.97	230.41	228.5	641.2	630.71	335.91	333.55	744.41	739.61	503.72	499.52	588.315918	590.535706	3.665414	3.563039
538.44	279.5	279.5	181.2	181.2	76.335	76.33	32.83	32.83	1487.76	1487.76	231.26	229.29	630.42	621.67	337.61	333.45	749.26	739.61	510.76	497.2	593.336609	591.283752	3.599035	3.575895
547.16	279.08	279.08	180.34	180.34	76.686	76.69	32.57	32.57	1485.4	1485.4	232.49	229.65	641.17	631.55	337.93	335.72	747.99	743.27	514.24	503.13	598.39447	589.765381	3.627252	3.578636
533.14	273.58	273.58	179.72	179.72	76.437	76.44	32.22	32.22	1476.15	1476.15	230.39	227.7	642.72	637.61	336.04	332.82	746.63	740.33	501.66	491.46	597.382751	586.522888	3.682924	3.575903
542.62	277.02	277.02	179.47	179.47	76.392	76.39	31.95	31.95	1467.58	1467.58	230.58	228.35	642.57	636.11	336.92	333.77	749.1	741.14	495.97	485.1	603.582336	595.185852	3.718704	3.668047
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	604.310547	594.908447	3.721936	3.679823
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	598.164612	591.017944	3.7037	3.673079
556.3	271.02	271.02	177.92	177.92	75.529	75.53	32.19	32.19	1455.1	1455.1	227.82	226.08	636.3	628.82	334.66	332.14	742.65	735.36	490.27	483.99	604.610413	589.429443	3.758271	3.669504
556.69	274.69	274.69	177.53	177.53	75.202	75.2	32.05	32.05	1453.72	1453.72	228.93	226.77	634.86	628.99	335.71	332.36	742.22	732.92	494.12	486.06	605.323425	598.473022	3.759914	3.731455
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526.49 373.84 373.84 174.57 174.57 82.732 82.73 32.97 32.97 1401.35 1401.35 206.47 204.47 637.96 631.98 343.11 341.56 728.22 725.7 513.4 507.2 427.720703 405.074127 4.214227 3.653253
533.26 372.77 372.77 173.92 173.92 82.395 82.39 32.37 32.37 1398.21 1398.21 205.3 203.74 637.56 633.41 342.77 340.98 731.4 727.24 514.34 504.89 405.473724 400.76593 3.668344 3.600563
532.7 376.55 376.55 173.07 173.07 82.275 82.28 32.39 32.39 1391.12 1391.12 205.42 201.75 636.8 628.8 342.75 338.79 732.22 724.92 507.44 498.03 404.544067 400.630524 3.628069 3.543918
522.96 367.22 367.22 173.16 173.16 82.395 82.39 31.65 31.65 1379.23 1379.23 200.72 195.07 630.43 612.07 338.42 329.06 727.12 705.99 497.87 480.53 401.45462 396.047821 3.555139 3.536425
522.91 360.06 360.06 170.87 170.87 80.588 80.59 31.12 31.12 1351.69 1351.69 197.91 195.1 618.1 611.08 333.18 329.19 722.67 710.63 491.8 482.42 396.347351 390.759583 3.542017 3.472051
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525.53 357.5 357.5 171.47 171.47 79.74 79.74 31.14 31.14 1336.96 1336.96 194.44 189.09 616.17 611.25 331.55 327.18 735.84 727.3 487.22 480.49 406.669037 400.794891 3.580032 3.51561
523.57 350.61 350.61 170.89 170.89 79.771 79.77 31.22 31.22 1326.02 1326.02 193.27 189.78 622.92 611.87 332.58 327.4 741.68 728.53 504.18 483.47 401.58136 400.888214 3.562573 3.513437
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534.48 349.62 349.62 168.45 168.45 78.831 78.83 31.64 31.64 1324.54 1324.54 191.25 186.43 623.88 612.58 331.44 325.48 745.04 724.89 509.1 498.84 399.95517 393.457703 3.410696 3.323426
526.8 353.45 353.45 169.23 169.23 79.284 79.28 31.8 31.8 1327.98 1327.98 191.76 189.1 620.95 616.34 330.17 327.21 744.7 738.03 510.82 502 399.31131 396.433685 3.437957 3.352764
526.47 355.78 355.78 170.12 170.12 80.617 80.62 31.73 31.73 1333.87 1333.87 195.83 190.35 627.8 620.44 331.57 328.26 748.19 739.94 510.9 502.18 405.877319 394.442108 3.615276 3.340997
523.56 347.56 347.56 170.62 170.62 80.473 80.47 31.41 31.41 1331.68 1331.68 196.43 193.02 621.92 612.57 330.23 326.34 748.78 736.26 507.07 498.14 405.827484 400.290222 3.586947 3.420151
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536.67 347.86 347.86 168.32 168.32 79.299 79.3 30.69 30.69 1314.27 1314.27 195.02 193.46 611.85 604.13 328.12 325.9 739.69 732.31 498.81 490.59 393.391815 389.826019 3.27705 3.251364
525.99 348.2 348.2 167.33 167.33 78.558 78.56 30.49 30.49 1312.84 1312.84 196.16 193.94 603.76 597.37 329.82 325.5 743.1 731.93 503.06 494.64 391.564941 387.470673 3.289895 3.245581
537.51 349.07 349.07 168.18 168.18 79.164 79.16 30.58 30.58 1323.3 1323.3 200.84 195.74 610.56 604.83 334.83 328.9 752.03 740.59 515.04 501.13 392.224152 383.783051 3.270478 3.176125
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556.9 373.47 373.47 169.75 169.75 80.374 80.37 30.58 30.58 1372.43 1372.43 205.38 202.37 626.63 621.62 342.17 339.37 771.87 764.37 530.66 525.26 413.344269 392.102051 3.742638 3.415671
557.29 365.37 365.37 169.76 169.76 80.404 80.4 30.36 30.36 1361.02 1361.02 203.82 201.21 632.71 624.65 342.51 339.94 783.58 767.61 529.39 521.82 414.789032 409.637939 3.646942 3.3594
559.62 361.25 361.25 167.94 167.94 79.262 79.26 30.05 30.05 1369.35 1369.35 205.03 202.25 629.15 622.99 342.57 338.79 784.84 773.82 524.84 516.44 414.257813 403.121246 3.440099 3.159883
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571.53 358.37 358.37 167.74 167.74 78.855 78.86 30.17 30.17 1373.21 1373.21 211.29 203.95 637.18 621.49 344.63 340.31 787.96 779.52 541.91 529.04 399.245026 390.188477 2.968786 2.897645
565.13 366.18 366.18 170.44 170.44 79.92 79.92 30.35 30.35 1383.59 1383.59 215.7 210.13 639.37 632.65 344.05 340.86 787.12 778.82 533.52 522.51 392.326202 382.298706 2.960466 2.872511
553.71 364.34 364.34 170.5 170.5 79.552 79.55 31.24 31.24 1384.66 1384.66 214.88 211.84 639.05 626.8 342.56 338.51 781.66 767.62 526.92 511.55 384.023254 378.116943 2.900255 2.864652
523.13 360.55 360.55 168.91 168.91 79.116 79.12 30.82 30.82 1363.04 1363.04 212.52 210.64 626.06 618.79 337.94 331.64 767.06 752.51 513.55 496.59 380.494568 377.184479 2.898813 2.86501
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545.12 364.64 364.64 170.16 170.16 79.818 79.82 31.34 31.34 1363.9 1363.9 216.98 214.71 618.62 610.04 337.85 335.28 764.37 757.17 513.19 507.29 377.436554 374.044983 2.891235 2.875731
531.99 365.51 365.51 171.89 171.89 80.759 80.76 30.87 30.87 1358.25 1358.25 218.35 213.6 614.21 606.47 336.53 330.19 758.17 744.28 510.97 494.45 375.281891 373.798828 2.877259 2.869839
518.63 358.9 358.9 171.28 171.28 79.061 79.06 30.94 30.94 1338.15 1338.15 212.8 209.76 606.41 598.79 328.72 324.39 739.82 729.47 493.49 484.91 374.541565 370.622314 2.872361 2.833114
507.77 359.23 359.23 173.26 173.26 79.187 79.19 31.08 31.08 1324.95 1324.95 216 212.68 606.4 599.86 328.49 323.13 736.05 722.14 490.48 477.43 370.498688 369.601868 2.843684 2.822385
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495.11 357.18 357.18 172.91 172.91 78.472 78.47 31.2 31.2 1328.89 1328.89 214.97 212.55 605.81 599.99 326.25 322.47 730.39 718.47 485.65 477.92 373.976593 368.197784 2.864671 2.821134
494.61 357.5 357.5 171.16 171.16 77.46 77.46 30.72 30.72 1333.49 1333.49 213.34 210.61 607.69 602.05 325.83 320.98 730.55 715.21 489.04 474.48 372.347534 368.940155 2.858173 2.831883
494.17 359.59 359.59 171.83 171.83 78.092 78.09 31.25 31.25 1350.78 1350.78 211.12 208.74 608.79 602.56 324.42 321.69 725.72 719.08 494.1 481.97 373.374664 370.392548 2.863812 2.860577
487.28 368.65 368.65 170.6 170.6 77.731 77.73 30.99 30.99 1339.36 1339.36 212.23 209.79 613.24 605.72 326.69 321.63 730.37 720.47 507.3 488 372.77655 369.056793 2.872644 2.843867
499.16 375.16 375.16 170.45 170.45 78.341 78.34 31.5 31.5 1362.2 1362.2 215.75 211.58 620.79 610.37 330.31 325.22 742.4 730.93 515 506.22 371.192627 368.685547 2.873084 2.830314
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508.01 374.08 374.08 170.92 170.92 77.95 77.95 31.68 31.68 1361.42 1361.42 212.8 210.27 612.29 600.08 329.59 323.39 740.65 725.6 522.48 506.91 368.045227 364.732025 2.862677 2.829361
518.14 376.21 376.21 171.81 171.81 79.034 79.03 31.75 31.75 1377.63 1377.63 215.83 213.45 619.67 613.23 333.72 330.49 750.77 744.33 529.85 523.6 367.699951 366.284729 2.870621 2.834879
508.91 377.7 377.7 172.16 172.16 79.695 79.69 32.18 32.18 1381.95 1381.95 217.53 212.62 624.04 618.07 335.88 331.51 756.1 744.8 532.37 517.14 369.173706 364.170563 2.896173 2.827766
502.62 375.07 375.07 170.2 170.2 78.931 78.93 31.38 31.38 1368.42 1368.42 212 209.76 618.66 613.58 331.79 328.15 745.58 737.1 519.48 511.62 380.776367 368.728546 2.936756 2.854085
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517.3 368.97 368.97 167.88 167.88 77.554 77.55 31.69 31.69 1364.7 1364.7 212.52 209 615.48 608.77 332.46 328.26 749.8 739.08 525.1 513.12 374.490143 372.199219 2.910555 2.880521
528.04 372.11 372.11 169.82 169.82 78.718 78.72 31.81 31.81 1378.36 1378.36 216.05 212.64 620.27 612.54 335.74 332 756.47 747.04 532.22 522.51 374.949036 373.31308 2.910455 2.878999
544.21 367.24 367.24 169.47 169.47 79.268 79.27 31.87 31.87 1366.84 1366.84 213.87 209.54 612.08 606.15 333.71 329.05 746.27 732.7 526.36 512.9 373.349091 367.118439 2.890588 2.845991
550.03 374.99 374.99 170.33 170.33 80.257 80.26 31.86 31.86 1355.29 1355.29 215.16 211.72 613.22 607.43 336.97 332.34 748.53 730.51 531.56 520.41 366.667847 364.103455 2.852736 2.834812
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531.63 417.15 417.15 166.78 166.78 83.249 83.25 32.54 32.54 1372.33 1372.33 225.61 221.29 634.28 625.32 350.9 344.69 760.02 742.53 558.83 537.88 401.801239 396.743896 3.22892 3.205658
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578.62 414.49 414.49 172.21 172.21 85.123 85.12 33.4 33.4 1421.26 1421.26 233.1 230.34 645.68 637.35 361.71 357.44 799.26 788.39 595.54 588.8 396.395691 382.945221 3.219773 3.131171
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554.76 404.82 404.82 167.21 167.21 82.818 82.82 32.51 32.51 1376.57 1376.57 229.84 225.87 630.11 624.08 352.14 347.85 777.28 763.85 585.9 572.44 405.861694 397.622559 3.182039 3.098269
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572.72 402.27 402.27 168.55 168.55 84.996 85 33.22 33.22 1396.43 1396.43 230.61 227.35 649.47 638.32 360.41 355.48 798.99 781.1 593.71 573.9 421.912994 414.343201 3.504242 3.396474
577.21 396.86 396.86 166.41 166.41 84.245 84.25 32.87 32.87 1371.94 1371.94 227.05 223.78 638.14 629.68 355.04 350.74 784.39 773.13 576.93 565.76 425.585968 405.862305 3.513636 3.362258
567.62 397.92 397.92 165.44 165.44 83.796 83.8 31.72 31.72 1379.3 1379.3 226.24 219.41 634.01 621.47 352.27 343.03 778.42 756.32 570.88 552.28 425.61145 403.745667 3.511938 3.283567
564.13 386.39 386.39 161.53 161.53 81.894 81.89 30.95 30.95 1348.18 1348.18 226.43 219.49 636.46 620.35 351.51 342.02 772.25 753.51 570.62 548.97 405.644562 392.000732 3.349767 3.27642
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572.66	389.4	389.4	164.59	164.59	83.127	83.13	30.72	30.72	1371.65	1371.65	228.35	223.57	642.41	628.37	354.74	347.16	783.94	762.9	584.06	561.52	411.526123	379.598724	3.50665	3.356199
582.14	394.2	394.2	167.24	167.24	84.532	84.53	31.68	31.68	1391.44	1391.44	232.04	228.35	644.6	637.83	357.19	353.3	788.42	779.81	590.57	578.88	380.852478	374.27066	3.3404	3.266278
561.67	393.13	393.13	167.22	167.22	85.075	85.07	32.1	32.1	1388.29	1388.29	235.39	231.21	650.73	644.29	359.47	354.67	791.64	779.17	590.23	572.96	387.543488	370.163055	3.429791	3.2853
562.85	395.94	395.94	168.37	168.37	85.604	85.6	32.01	32.01	1399.76	1399.76	239.33	233.62	659.27	646.66	364.09	356.54	800.04	784.13	595.26	575.14	381.530457	359.16922	3.38498	3.265549
584.18	400.64	400.64	170.71	170.71	86.54	86.54	32.25	32.25	1413.84	1413.84	242.91	239.45	663.23	652.23	375.53	363.99	809.7	793.87	601.73	587.82	370.101776	354.27063	3.416966	3.1683
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370.058777	355.616882	3.287478	3.167377
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	358.093719	333.696838	3.252862	3.095949
604.39	393.65	393.65	167.79	167.79	85.814	85.81	32.06	32.06	1397.99	1397.99	240.18	235.91	652.2	645.68	364.19	359.89	798.29	785.78	590.45	578.24	332.099396	325.874329	3.100833	3.072161
624.88	390.03	390.03	168.57	168.57	86.022	86.02	32.02	32.02	1401	1401	248.25	239.21	680.49	652.31	378.92	364.26	831.56	795.44	613.92	584.09	349.612885	329.655029	3.249358	3.146841
637.47	399.08	399.08	172.55	172.55	89.387	89.39	32.36	32.36	1436.77	1436.77	247.19	244.56	678.41	672.34	378.18	375.59	833.29	824.08	611.72	600.8	342.277222	329.001129	3.233412	3.119014
645.57	392.21	392.21	174.43	174.43	89.938	89.94	32.2	32.2	1434.53	1434.53	246.43	243.88	677.87	669.61	378.67	374.53	851.44	829.08	623.8	609.17	358.25943	335.904846	3.436204	3.212311
634.17	390.97	390.97	173.26	173.26	89.026	89.03	32.3	32.3	1432.39	1432.39	245.12	241.83	679.81	672.27	377.69	373.11	853.22	840.87	616.4	601.89	361.983337	350.144623	3.533239	3.383711
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	351.217194	335.882507	3.475215	3.304599
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	339.537262	332.582855	3.379875	3.272047
635.22	389.74	389.74	173.63	173.63	88.819	88.82	31.76	31.76	1425.96	1425.96	242.46	240.24	679.01	671.96	376.16	372.98	852.74	845.38	606.23	595.92	343.299957	327.900848	3.426927	3.311366
631.97	390.11	390.11	173.08	173.08	88.438	88.44	30.81	30.81	1427.09	1427.09	242.68	236.45	679.25	674.75	375.68	372.18	855.05	845.75	604.92	587.93	345.638489	309.03775	3.501328	3.155437
629.88	381.13	381.13	171.98	171.98	88.452	88.45	30.9	30.9	1420.8	1420.8	236.66	233.61	677.93	663.37	373.19	367.01	848.41	829.37	588.8	574.08	310.065002	296.962585	3.148597	2.898838
623.97	379.01	379.01	169.47	169.47	86.764	86.76	30.82	30.82	1401.28	1401.28	236.33	231.84	668.66	661.23	371.13	364.39	840.84	823.74	585.57	573.45	303.882996	298.954987	2.94294	2.901861
616.7	392.32	392.32	171.84	171.84	88.774	88.77	31.05	31.05	1417.13	1417.13	237.66	234.61	673.09	665.25	372.82	370.04	845.19	838.86	581.94	573.58	305.389832	302.504486	2.957721	2.929414
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	307.224731	301.821686	2.972144	2.926362
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	308.304199	300.258362	2.969297	2.917738
630.72	398.88	398.88	173.03	173.03	90.234	90.23	30.91	30.91	1423.44	1423.44	238.4	235.61	672.58	665.18	374.56	371.45	849.16	838.95	582.47	576.3	304.602539	291.383118	2.929813	2.864296
643.17	401.61	401.61	171.45	171.45	89.673	89.67	30.88	30.88	1422.41	1422.41	237.28	234.71	669.59	662.67	375.15	371.87	849.66	837.39	580.47	572.04	314.1008	303.115295	3.006801	2.906767
629.66	397.55	397.55	170.1	170.1	88.705	88.7	31.05	31.05	1408.42	1408.42	235.43	233.92	664.8	659.82	371.23	368.65	840.59	828.13	573.32	563.29	315.843262	310.518433	3.017403	2.971061
625.46	402.79	402.79	170.31	170.31	89.126	89.13	31.08	31.08	1407.81	1407.81	235.59	232.91	665.32	651.84	371.36	364.7	841.71	823.54	568.81	557.3	317.312195	308.54068	3.025844	2.967605
608.15	394.98	394.98	167.42	167.42	86.851	86.85	30.51	30.51	1382.58	1382.58	231.87	227.25	650.03	641.39	363.29	358.45	822.07	809.46	558.79	548.59	310.394989	294.6875	2.989051	2.842382
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	310.735352	294.791077	2.988338	2.854929
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	314.002777	306.378845	3.013788	2.955135
609.54	402.21	402.21	165.72	165.72	86.225	86.23	29.81	29.81	1390.59	1390.59	232.08	227.65	651.25	641.91	363.93	359.22	824.78	811.13	562.61	548.81	316.129456	302.509521	3.047738	2.926616
618.64	403.4	403.4	167.03	167.03	86.515	86.51	30.1	30.1	1401.19	1401.19	236.75	232.43	661.1	650.48	371.27	363.61	832.85	813.21	564.11	551.88	321.9039	291.331329	3.039317	2.762221
640.47	409.1	409.1	169	169	87.689	87.69	30.23	30.23	1406.21	1406.21	236.04	234	656.08	645.48	372.1	367.97	835.8	821.43	572.29	562.15	317.325073	279.893066	2.907322	2.736774
646.71	406.12	406.12	168.2	168.2	86.907	86.91	30.22	30.22	1386.44	1386.44	239.02	232.84	643.35	635.42	369.17	365.24	824.98	815.43	567.95	559.18	354.712616	306.860596	3.214671	2.836361
656.02	404.27	404.27	168.01	168.01	87.227	87.23	30.26	30.26	1393.09	1393.09	240.99	237.65	645.28	637.61	372.1	367.49	834.66	821.34	575.76	562.66	357.367615	337.733826	3.197404	3.033892
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	362.963135	343.648071	3.405074	3.177959
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.606415	346.707336	3.423645	3.303444
651.42	410.77	410.77	171.44	171.44	89.078	89.08	30.19	30.19	1396.57	1396.57	238.48	234.58	648.06	637.68	373.53	367.97	838.23	822.71	578.64	561.78	368.802765	325.390625	3.649063	3.215437
666.13	405.37	405.37	171.97	171.97	89.845	89.84	29.82	29.82	1403.02	1403.02	238.25	234.66	647.76	642.61	373.13	369.74	828.58	817.6	567.38	558.03	411.853333	344.189087	4.059897	3.465762
694.69	404.2	404.2	172.58	172.58	89.335	89.33	28.66	28.66	1393.11	1393.11	237.12	234.43	645.88	639.68	374.08	371.09	834.44	822.11	574.72	554.25	454.352264	350.251282	3.877703	3.192647
670.23	399.92	399.92	173.02	173.02	89.858	89.86	28.82	28.82	1394.44	1394.44	233.26	230.37	638.4	633.77	370.08	367.44	826.64	820.5	579.05	568	381.67868	324.897339	4.377038	3.725018
662.03	391.18	391.18	173.93	173.93	91.193	91.19	29.02	29.02	1377.11	1377.11	231.45	226.58	639.44	631.23	369.34	364.69	823.88	806.05	578.54	564.14	331.723236	293.213287	3.814763	3.571
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	297.188477	283.373627	3.614015	3.42445
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	302.359619	280.984009	3.739052	3.421243
656.17	385.16	385.16	173.27	173.27	91.32	91.32	28.49	28.49	1368.51	1368.51	229.87	227.86	639.88	632.28	368.48	364.81	816.47	805.77	569.22	561.97	303.983459	285.841766	3.823566	3.406156
659.95	384	384	173.57	173.57	91.513	91.51	28.5	28.5	1359.02	1359.02	230.61	225.39	636.33	630.49	368.82	365.32	814.49	807.49	568.94	558.41	290.062927	276.445313	3.577096	2.791375
651.28	393.82	393.82	173.65	173.65	91.18	91.18	28.21	28.21	1353.35	1353.35	224.77	221.05	631.22	622.24	367.76	363.3	809.69	794.56	565.63	556.08	276.372253	266.228241	2.811143	2.792886
651.49	393.77	393.77	171.48	171.48	90.382	90.38	27.91	27.91	1337.02	1337.02	226.67	221.99	627.59	622.33	366.99	363.65	808.32	795.71	564.34	558.05	268.13797	257.785828	2.810854	2.784604
680.11	394.68	394.68	172.02	172.02	90.655	90.66	28.24	28.24	1343.63	1343.63	230.28	225.62	630.04	621.7	369.47	366.71	813.95	806.3	568.76	559.66	258.026581	254.223312	2.81178	2.779554
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	266.913849	255.464294	2.849242	2.782781
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	255.701187	250.979401	2.831669	2.793655
688.78	390.63	390.63	171.7	171.7	90.669	90.67	27.95	27.95	1343.35	1343.35	231.69	227.46	631.83	618.75	370.06	363.7	813.17	795.47	571.58	555.55	250.389923	246.92453	2.816604	2.801567
669.1	384.01	384.01	169.1	169.1	89.752	89.75	27.54	27.54	1325.97	1325.97	230.8	223.52	618.56	601.21	362.42	353.71	791.47	767.07	550.25	527.44	244.331543	234.562851	2.775473	2.707376
661.72	383.04	383.04	163.95	163.95	87.83	87.83	27.42	27.42	1308.6	1308.6	225.57	220.49	607.26	601.23	356.36	352.31	770.66	758.89	539.12	524.77	238.521835	232.416306	2.743973	2.697824
667.08	383.63	383.63	163.47	163.47	87.459	87.46	27.12	27.12	1288.63	1288.63	222.21	219.02	609.51	605.35	356.98	353.26	765.77	757.3	533.43	523.07	238.810501	232.245453	2.728317	2.695197
686.84	387.55	387.55	162.99	162.99	87.436	87.44	27.05	27.05	1283.11	1283.11	222.32	220.8	609.24	603.38	357.4	355.1	767.24	759.14	534.24	527.5	233.157257	229.508347	2.70145	2.644639
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	239.460556	229.860733	2.718484	2.645462
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	241.144119	231.262238	2.781657	2.675284
693.97	382.63	382.63	162.2	162.2	86.194	86.19	26.74	26.74	1278.72	1278.72	222.03	219.49	603.23	600.31	356.84	353.98	766.97	757.94	536.87	526.08	233.738815	223.408401	2.766376	2.721838
703.89	375.87	375.87	162.96	162.96	85.808	85.81	26.96	26.96	1267.07	1267.07	221.67	215.58	603.17	594.13	353.74	349.29	761.69	747.75	536.07	526.17	224.350952	219.782013	2.750405	2.724022
684.85	371.6	371.6	162.84	162.84	84.757	84.76	26.42	26.42	1237.63	1237.63	215.94	211.3	597.04	589.67	351.09	346.99	756.76	746.26	536.38	521.54	221.744995	218.585236	2.799983	2.716427
684.24	370.29	370.29	164.67	164.67	84.588	84.59	26.86	26.86	1242.74	1242.74	220.39	216.28	598.95	581.36	353.93	348.41	768.87	752.1	539.44	522.87	218.852386	214.688217	2.820637	2.742028
707.06	366.88	366.88	165.53	165.53	84.857	84.86	26.82	26.82	1201.64	1201.64	221.75	219.03	583.86	576.96	356.32	353.07	775.19	766.73	544.21	534.05	217.599365	215.560928	2.791405	2.756296
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217.624329	214.979309	2.772872	2.716369
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216.006866	214.030121	2.761275	2.719442
724.39	364.17	364.17	164.56	164.56	85.069	85.07	27.69	27.69	1200.72	1200.72	222.88	219.72	583.25	578.67	357.46	354.62	778.52	770.3	536.79	527.81	214.932678	214.647156	2.758482	2.71672
707.6	366.72	366.72	164.29	164.29	85.466	85.47	27.28	27.28	1191.02	1191.02	221.47	218.97	582.11	575.67	354.36	351.26	769.2	761.67	531.03	518.9	216.957718	214.27977	2.734113	2.696346
696.77	362.51	362.51	163.81	163.81	85.356	85.36	27.08	27.08	1191.43	1191.43	222.39	218.39	592.95	576.45	356.98	352.39	775.17	764.46	526.63	505.79	218.882874	215.899796	2.806283	2.719955
657.87	379.18	379.18	165.15	165.15	86.265	86.27	26.45	26.45	1199.22	1199.22	220.65	216.69	582.44	576.46	354.22	348.18	770.23	755.12	507.36	488.78	219.205505	214.886795	2.800763	2.691953
632.2	383.26	383.26	164.71	164.71	86.47	86.47	26.17	26.17	1189.14	1189.14	218.2	214.32	583.05	575.46	350.87	343.22	766.19	750.7	495.04	479.27	214.723526	210.529358	2.700392	2.652078
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.21199	212.237976	2.727837	2.674857
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.521591	211.406143	2.709796	2.668353
616.67	368.84	368.84	161.21	161.21	84.055	84.05	25.12	25.12	1158.95	1158.95	216.02	208.8	575.04	560.23	344.53	335.89	752.52	734.27	488.73	471.08	213.727264	210.015091	2.667156	2.651875
621.81	370.72	370.72	160.75	160.75	83.418	83.42	25.09	25.09	1151.14	1151.14	216.97	209.08	575.18	561.89	345.31	337.8	762.04	739.61	495.41	478.39	212.935349	211.352707	2.729298	2.652236
610.43	374.58	374.58	163.01	163.01	84.349	84.35	24.82	24.82	1160.66	1160.66	214.67	209.15	568.67	556.95	340.49	333.85	754.78	740.82	487.68	468.15	211.187698	210.082916	2.731017	2.636056
590.49	366.71	366.71	161.09	161.09	82.78	82.78	24.04	24.04	1137.68	1137.68	208.21	201.44	560.12	548.24	334.77	328.29	738.45	722.79	477.5	457.96	213.233154	210.593582	2.818804	2.639756
600.93	375.49	375.49	161.6	161.6	83.358	83.36	23.45	23.45	1148.09	1148.09	211.29	205.6	574.64	561.68	341.63	334.23	751.69	733.23	485.41	466.23	213.143646	207.430176	2.739399	2.5702
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	209.622818	207.771912	2.589748	2.559909
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210.406693	208.578842	2.596014	2.563863
610.36	381.28	381.28	163.94	163.94	84.893	84.89	24.12	24.12	1161.09	1161.09	213.8	207.86	567.87	559.77	343.3	336.27	754.83	738.9	495.12	478.97	213.091904	209.263016	2.647971	2.580701
601.82	373.08	373.08	160.58	160.58	82.728	82.73	23.21	23.21	1132.77	1132.77	209.64	203.25	563.78	548.87	340.69	331.09	745.97	726.02	505.39	470.78	210.701904	205.914703	2.619833	2.56681
623.67	386.08	386.08	162.35	162.35	83.11	83.11	24.47	24.47	1145.48	1145.48	211.69	207.01	569.76	557.88	343.17	337.51	752.52	743.22	500.39	465.8	208.465973	205.653	2.604774	2.561628
633.53	376.32	376.32	162.14	162.14	82.127	82.13	24.16	24.16	1145.61	1145.61	214.96	209	577.53	558.99	350.13	339.31	769.07	743.61	526.54	480	207.802917	201.302872	2.574246	2.500555
647.31	386.44	386.44	164.51	164.51	83.594	83.59	25.1	25.1	1172.34	1172.34	215.22	212.1	580.01	570.58	351.68	346.47	772.14	756.12	549.05	512.26	204.779907	202.504013	2.527891	2.476723
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	205.469101	204.18251	2.542435	2.502308
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	206.211868	204.34079	2.618357	2.52895
646.26	384.13	384.13	164.02	164.02	82.618	82.62	24.93	24.93	1161.51	1161.51	216.94	212.55	577.99	566.79	351.82	345.19	771.84	750.15	567.85	545.37	204.567917	203.38559	2.62671	2.539888
659.87	385	385	162.69	162.69	82.487	82.49	25.51	25.51	1181.43	1181.43	219.38	216.85	582.26	574.24	354.65	352.58	784.72	775.24	570.97	566.25	203.593857	202.643173	2.576587	2.468812
648.66	386.99	386.99	162.46	162.46	82.213	82.21	25.51	25.51	1180.92	1180.92	220.18	217.43	586.17	543.01	354.18	350.29	786.87	779.49	571.88	562.36	204.814423	202.693634	2.529206	2.469168
621.12	384.24	384.24	161.88	161.88	81.378	81.38	25.43	25.43	1164.28	1164.28	218.32	214.64	540.02	529.5	349.81	344.18	781.61	769.04	565.64	555.47	230.036392	203.923691	2.604367	2.500036
618.65	382.8	382.8	162.55	162.55	81.685	81.69	25.56	25.56	1158.98	1158.98	217.24	214.25	540.75	532.34	351.2	345.33	784.89	772.59	560.64	550.97	205.844849	200.988358	2.535315	2.454455
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.128967	202.179321	2.518234	2.447883
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	211.824265	207.087158	2.620695	2.490226
631.61	382.59	382.59	163.18	163.18	82.362	82.36	25.6	25.6	1157.57	1157.57	217.06	213.44	541.77	532.55	351.85	347.64	785.08	775.19	559.48	551.9	213.556198	211.265839	2.645267	2.591556
651.46	384.37	384.37	164.73	164.73	84.05	84.05	25.87	25.87	1163.99	1163.99	218.44	214.95	545.41	536.02	355.48	350.38	791.75	779.01	565.17	555.45	215.075317	210.096237	2.648904	2.579704
680.35	384.19	384.19	164.84	164.84	84.538	84.54	25.93	25.93	1175.07	1175.07	223.19	218.22	557.04	547.85	360.17	355.43	805.45	791.3	575.28	558.86	218.853867	213.368927	2.716288	2.595105
665.04	373.37	373.37	163.72	163.72	83.674	83.67	25.55	25.55	1166.64	1166.64	219.44	215.34	546.94	539.11	354.84	348.53	794.78	782.27	559.19	542.02	220.312836	214.688278	2.802921	2.690351
665.1	369.24	369.24	162.1	162.1	82.532	82.53	25.13	25.13	1158.04	1158.04	215.46	212.4	541.93	535.11	349.68	346.21	785.18	775.43	542.04	536.12	216.960297	214.158066	2.781984	2.679367
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217.799698	210.419617	2.793105	2.603165
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	211.730484	205.723114	2.638797	2.38638
668.18	367.49	367.49	162.78	162.78	82.408	82.41	25.23	25.23	1153.67	1153.67	216.29	212.18	542.94	532.8	352.33	344.92	790.24	769.95	544.58	529.91	207.029495	203.980774	2.646722	2.365346
682.56	368.46	368.46	165.23	165.23	84.508	84.51	26.1	26.1	1181.24	1181.24	218.88	211.63	549.96	538.89	356.06	348.16	800.42	781.9	552.77	535.62	204.73027	201.984957	2.650856	2.519283
674.56	354.51	354.51	161.48	161.48	83.136	83.14	25.61	25.61	1158.5	1158.5	212.62	208.79	541.23	530.13	349.25	343.23	782.18	770.74	540.87	530.29	205.066696	200.829132	2.507874	2.444848
686.99	345.53	345.53	159.86	159.86	81.88	81.88	25.4	25.4	1166.39	1166.39	210.48	205.81	541.54	528.16	352.22	343.25	784.8	766.02	546.12	529.4	205.671585	201.420578	2.552814	2.491015
689.86	353.03	353.03	163.79	163.79	84.061	84.06	25.96	25.96	1190.73	1190.73	214.54	211.97	549.45	546.19	355.65	352.94	792.74	781.93	552.16	544.01	206.642303	201.457993	2.550548	2.487935
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207.611374	202.403824	2.599123	2.468545
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.643768	203.372696	2.635982	2.526659
671.78	351.29	351.29	162.9	162.9	83.948	83.95	26.08	26.08	1191.01	1191.01	215.83	211.92	548.19	536.99	355.38	350.91	793.32	781.21	559.08	548.46	209.941986	196.553375	2.648323	2.407851
643.41	357.06	357.06	163.55	163.55	84.522	84.52	26.32	26.32	1188.59	1188.59	214.95	210.79	544.7	532.42	355.44	347.27	794.94	768.71	561.66	543.08	203.184052	198.989426	2.638722	2.523083
609.39	345.25	345.25	159.13	159.13	82.258	82.26	25.37	25.37	1168.25	1168.25	212.48	202.88	539.09	520.58	349.29	339.11	790.32	763.82	548.53	530.52	202.703201	191.165894	2.671533	2.462523
598.25	345.11	345.11	160.61	160.55	84.216	84.22	25.35	25.34	1200.71	1200.63	210.57	199.25	544.36	525.05	350.12	337.45	795.26	762.92	549.96	520.51	197.02359	172.367416	2.651259	2.204324
581.8	327.47	327.47	155.33	155.33	81.088	81.09	23.46	23.46	1142.27	1142.27	201.92	189.89	533.21	499.63	345.92	324.98	781.37	728.78	537.12	502.78	200.561768	181.666946	2.983537	2.562071
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	204.270538	198.016159	3.107523	2.943434
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	206.24736	195.491562	3.152028	3.036315
641.56	344.48	344.48	164.32	164.32	86.509	86.51	24.43	24.43	1198.5	1198.5	211.64	207.36	570.77	547.73	363.45	353.4	813.63	789.3	557.55	541.14	210.236542	203.910599	3.236289	3.121846
643.2	358.95	358.95	168.4	168.4	89.11	89.11	25.34	25.34	1232.43	1232.43	218.85	212.76	579.96	569.48	371.43	364.89	829.55	812.3	564.24	551.48	212.616455	203.972488	3.227072	3.12011

799.46	352.97	352.97	160.51	160.51	85.752	85.75	27.82	27.82	1301.82	1301.82	250.58	246.83	628.19	618.07	388.89	384.06	898.06	884.01	673.19	659.12	218.334824	216.736649	2.593232	2.530793
813.6	352.97	352.97	159.32	159.32	85.037	85.04	27.76	27.76	1306.01	1306.01	252.15	247.94	627.12	617.56	390.09	385.21	898.54	884.42	670.87	658.06	217.280121	214.458435	2.582899	2.396193
816.8	352.33	352.33	159.42	159.42	85.276	85.28	27.5	27.5	1301.09	1301.09	254.05	250.05	630.14	623.55	390.84	386.75	903.44	888.72	671.45	656.22	218.630096	214.649704	2.661265	2.479813
811.76	349.82	349.82	159.39	159.39	85.76	85.76	27.72	27.72	1316.63	1316.63	254.9	251.66	626.38	617.8	391.53	387.91	905.83	897.44	675.94	663.76	219.476625	217.41304	2.669991	2.634238
795.67	350.3	350.3	157.19	157.19	84.44	84.44	27.46	27.46	1305.71	1305.71	250.65	247.92	617.81	607.82	385.21	379.32	893.53	869.69	663.39	641.97	218.602417	215.029556	2.682441	2.608781
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	215.961243	213.111893	2.685249	2.558045
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216.493179	211.912811	2.723135	2.422801
790.59	342.25	342.25	155.96	155.96	82.96	82.96	26.75	26.75	1273.15	1273.15	245.58	243.23	610.85	602.7	379.86	376.04	879.55	863.76	648.11	635.12	221.867935	214.695724	2.742689	2.368074
797.88	335.62	335.62	155.69	155.69	82.809	82.81	26.59	26.59	1272.28	1272.28	243.52	238.01	604.3	596.49	375.42	369.52	869.79	847.79	634.78	618.48	221.050415	214.82489	2.752049	2.538014
811.1	333.26	333.26	156.7	156.7	82.874	82.87	26.47	26.47	1277.95	1277.95	247.11	242.94	606.08	596.37	377.99	373.91	866.4	856.09	646.4	631.78	228.111008	219.031372	2.838293	2.418831
809.33	337.16	337.16	158.37	158.37	84.353	84.35	26.6	26.6	1282.08	1282.08	246.47	239.6	602.78	589.25	377.55	370.4	862.21	841.52	646.02	628.24	224.049484	209.457993	2.560907	1.781842
815.82	339.75	339.75	157.46	157.46	83.943	83.94	25.88	25.88	1273.16	1273.16	245.43	242.29	599.83	595.1	378.94	374.17	864.89	852.46	651.77	636.44	211.015884	207.948334	1.807821	1.776629
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.429184	205.896347	1.838383	1.64535
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	206.47142	203.416763	1.65276	1.594959
829.76	345.98	345.98	160.98	160.98	84.546	84.55	26.6	26.6	1293.27	1293.27	250.07	246.03	609.24	599.28	384.97	378.46	877.87	858.79	666.23	647.07	204.910431	203.743225	1.613653	1.589106
839.55	345.43	345.43	162.19	162.19	85.978	85.98	26.71	26.71	1303.16	1303.16	251.25	247.12	613.16	598.78	386.57	380.6	889.13	872.92	668.33	655	204.372559	202.466583	1.602422	1.555039
834.95	345.31	345.31	160.08	160.08	84.309	84.31	26.9	26.9	1289.27	1289.27	248.15	243.87	603.95	588.2	382.62	373.36	878.23	854.34	659.34	634.68	203.743576	201.921707	1.590705	1.54776
822.25	340.22	340.22	158.15	158.15	83.133	83.13	26.12	26.12	1277.73	1277.73	248.17	244.2	597.92	587.28	376.72	371.65	859.59	848	639.29	621.75	204.402161	201.546555	1.596025	1.580897
835.41	342.67	342.67	157.06	157.06	82.59	82.59	26.19	26.19	1290.36	1290.36	252.66	248.85	601.79	588.22	380.96	376.79	865.48	856.83	645.37	629.38	203.317383	200.719696	1.605227	1.556131
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	203.57663	200.804474	1.595815	1.547349
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	203.149124	200.943115	1.606471	1.575754
829.58	346.39	346.39	158.58	158.58	83.33	83.33	26.83	26.83	1303.77	1303.77	254.37	250.56	591.85	582.81	382.92	378.44	877.42	866.15	650.18	639.02	203.208633	197.923904	1.595122	1.486566
840.51	346.67	346.67	161.34	161.34	84.635	84.64	27.02	27.02	1315.11	1315.11	257.83	252.45	597.63	584.19	386.81	380.03	890.59	871.33	657.16	643.56	201.06575	200.155441	1.500346	1.479003
860.91	347.5	347.5	160.5	160.5	83.965	83.97	27.39	27.39	1325	1325	257.91	254.75	607.99	597.32	391.04	386.96	900.83	885.74	665.85	651.84	201.742371	200.816071	1.512785	1.492499
857.55	348.43	348.43	163.59	163.59	85.698	85.7	26.98	26.98	1326.77	1326.77	259.47	254.53	611.98	597.23	391.91	386.67	899.75	882	666.28	651.32	203.520004	203.401016	1.505589	1.466335
858.72	353.23	353.23	166.61	166.61	88.098	88.1	27	27	1334.9	1334.9	261.52	257.94	617.4	609.44	394.2	390.25	903.71	891.36	670.37	657.94	212.40535	202.633469	1.537022	1.460084
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	212.298172	209.340637	1.650805	1.483729
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	215.794128	211.200516	1.673059	1.645636
865.46	352.33	352.33	164.41	164.41	87.488	87.49	28.03	28.03	1329.06	1329.06	262.45	257.75	624.52	610.53	397.69	390.58	918.02	894.84	678.89	661.58	216.677612	215.377808	1.682465	1.652679
873.75	360.2	360.2	166.71	166.71	89.004	89	28.09	28.09	1346.65	1346.65	264.02	259.63	626.91	621.73	398.76	395.7	920.52	909.2	687.7	672.56	217.290085	216.615097	1.700073	1.673918
886.69	360.15	360.15	168.97	168.97	89.376	89.38	28.14	28.14	1346.96	1346.96	258.53	253.88	626.98	616.98	399.93	394.79	923.33	907.57	690.9	678.51	218.711395	217.350784	1.715167	1.664858
887.25	351.44	351.44	167.63	167.63	88.205	88.2	27.81	27.81	1332.74	1332.74	256.19	252.92	626.75	617.89	399.44	393.53	926.62	905.27	694.93	677.27	218.490463	216.251038	1.669554	1.644683
898.68	343.23	343.23	169.07	169.07	88.661	88.66	27.61	27.61	1342.98	1342.98	254.85	253.16	625.44	623.62	398.76	397.24	920.47	918.9	688.43	686.43	219.07016	215.594925	1.679878	1.628366
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	219.760239	216.805267	1.669632	1.622542
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	218.815247	216.69632	1.728679	1.608643
895.02	343.7	343.7	169.33	169.33	88.823	88.82	27.83	27.83	1343.84	1343.84	255.96	253.41	627.72	619.99	399.5	397	921.6	916.65	690.65	684.5	219.022903	210.646118	1.699239	1.330952
881.89	343.47	343.47	170.17	170.17	89.179	89.18	27.88	27.88	1350.14	1350.14	255.82	253.5	623.67	617.49	398.8	395.48	920.71	911.73	690.89	683.26	212.505173	210.188766	1.334589	1.307327
877.38	347.94	347.94	172.1	172.1	89.893	89.89	27.57	27.57	1359.52	1359.52	255.17	252.19	623.48	617.76	397.65	394.48	919.22	909.15	692.74	685.66	211.616776	209.054993	1.617829	1.309395
875.53	351.48	351.48	173.84	173.84	91.09	91.08	27.4	27.35	1353.67	1353.67	253.31	249.08	622.13	610.81	395.74	391.01	917.75	902.12	691.01	672.35	209.437393	207.963577	1.306487	1.277665
887.15	349.88	349.88	170.39	170.39	88.188	88.19	27.19	27.19	1334.1	1334.1	248.1	244.88	608.02	597.62	390.02	385.16	899.54	885.37	668.37	653.32	207.514664	205.480423	1.290133	1.274556
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207.863937	206.104263	1.274081	1.263077
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207.577515	205.479874	1.27043	1.222216
882.99	353.41	353.41	170.18	170.18	88.76	88.76	26.81	26.81	1320.06	1320.06	249.07	245.52	611.87	602.8	391.97	386.56	902.16	886.73	670.22	652.58	209.102295	206.789795	1.277287	1.268724
903.84	353.03	353.03	168.24	168.24	87.913	87.91	26.74	26.74	1326.63	1326.63	247.15	244.72	607.14	592.71	389.72	383.53	896.13	874.25	666.33	644.1	209.054062	205.187164	1.277258	1.259897
898.7	348.63	348.63	167.31	167.31	87.006	87.01	26.74	26.74	1310.59	1310.59	249.57	245.59	608.67	596.7	391.37	385.8	898.77	879.58	668.03	653.48	215.286209	207.106354	1.307724	1.287392
877.13	347.83	347.83	165.88	165.88	86.238	86.24	26.94	26.94	1314.42	1314.42	248.15	244.76	609.15	595.7	391.04	384.43	902.14	883.57	677.56	657.5	217.869568	215.412704	1.29236	1.279097
873.88	360.84	360.84	168.68	168.68	87.292	87.29	27.06	27.06	1332.36	1332.36	250.15	247.93	614.15	606.99	393.03	390.55	910.65	899.48	681.67	674.54	218.860321	214.841141	1.302663	1.283649
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217.976242	213.31517	1.298446	1.270635
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	221.312851	214.020721	1.331303	1.287541
862.18	361.59	361.59	168.7	168.7	87.006	87.01	26.8	26.8	1325.2	1325.2	249.23	245.37	609.27	601.5	391.22	385.03	907.02	870.83	681.11	662.74	219.320511	210.733139	1.33031	1.287109
857.92	351.34	351.34	162.52	162.52	83.237	83.24	26.57	26.57	1302.98	1302.98	241.53	235.65	595.76	578.88	381.14	373.52	870.27	851.49	662.84	645.5	212.198257	201.368164	1.319979	1.215868
897.16	340.06	340.06	163	163	83.513	83.51	26.1	26.1	1292.41	1292.41	241.65	236.31	599.25	587.11	383.64	378.75	876.79	861.4	667.15	643.29	211.459488	202.125916	1.260633	1.222176
874.04	344.6	344.6	166.06	166.06	85.431	85.43	25.66	25.66	1296.38	1296.38	245.55	237.8	608.46	590.62	392.11	382.49	897.56	870.68	684.31	661.05	214.667496	208.737976	1.275576	1.248545
859.66	346.35	346.35	169.37	169.37	86.917	86.92	25.72	25.72	1317.34	1317.34	243.99	238.79	603.01	597.78	389.04	385.09	892.93	877.29	675.43	664.55	217.300735	213.263382	1.296452	1.26091
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217.197968	209.021332	1.297205	1.262577
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210.489334	207.465851	1.273328	1.251799
857.93	345.11	345.11	168.5	168.5	86.43	86.43	24.94	24.94	1308.54	1308.54	241.17	240.38	601.81	597.89	386.72	385.24	879.22	878.09	668.73	668.38	212.716751	207.231888	1.288331	1.255916
859.64	339.11	339.11	168.94	168.94	87.533	87.53	24.96	24.96	1309.6	1309.6	245.93	239.66	609.84	599.77	389.03	384.71	887.68	865.16	675.1	658.52	213.514267	202.368225	1.296177	1.22243
850.88	345.8	345.8	170.25	170.25	88.088	88.09	24.91	24.91	1315.75	1315.75	258.87	249.94	628.61	604.3	398.89	388.27	910.98	876.17	698.64	666.92	206.964447	202.988998	1.225282	1.230501
873.89	353.4	353.4	172.91	172.91	89.407	89.41	25.47	25.47	1337.47	1337.47	261.75	255.49	632.64	621.79	402.43	394.69	922.99	899.91	714.23	686.56	211.049286	203.846298	1.279913	1.236534
856.21	359.81	359.81	176.22	176.22	90.706	90.71	25.78	25.78	1354.89	1354.89	262.62	257.56	635.3	622.2	403.12	396.27	925.34	901.91	705.34	687.62	214.355927	201.388321	1.283764	1.216501
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.626587	197.530792	1.289401	1.198768
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.790222	208.068588	1.314663	1.283968
863.73	357.11	357.11	174.42	174.42	89.823	89.82	25.57	25.57	1328.55	1328.55	264.03	259.64	631.68	626.21	400.44	397.54	910.85	902.11	692.4	680.25	218.679428	211.413208	1.352734	1.302583
846.42	358.49	358.49	174.48	174.48	90.001	90	25.09	25.09	1324.96	1324.96	270.32	260.96	635.87	623.84	401.2	395.79	919.96	902.08	689.86	675.29	218.654648	217.922623	1.367966	1.332856
854.51	363.43	363.43	175.57	175.57	91.078	91.08	25.72	25.72	1320.83	1320.83	272.81	265.83	634.11	625.51	401.83	396.63	929.69	911.82	692.82	676.77	221.764542	217.835419	1.37307	1.325676
870.15	363.13	363.13	176.97	176.97	91.003	91	26.03	26.03	1318.91	1318.91	264.75	258.57	637.37	629.43	402.53	398.39	931.85	920.51	690.95	683.02	219.119858	208.555084	1.335656	1.298689
873.36	352.57	352.57	176.55	176.55	90.771	90.77	25.61	25.61	1288.55	1288.55	256.9	254.12	634.61	628.88	397.72	394.86	916.82	901.47	683.28	675.7	210.872925	205.401138	1.31826	1.275988
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	209.48912	205.52034	1.319713	1.277714
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207.603882	204.420181	1.316724	1.284711
882.41	350.16	350.16	175.61	175.61	90.022	90.02	25.18	25.18	1275.42	1275.42	258.21	253.94	640.16	628.15	401.53	393.94	924.32	899.73	692.41	673.1	212.343231	205.997772	1.338824	1.295416
899.82	356.7	356.7	178.22	178.22	91.088	91.09	25.92	25.92	1296.23	1296.23	261.85	257.73	644.46	636.74	404.77	401.06	944.02	924.79	698.53	685.9	213.449814	209.660126	1.334635	1.28584
872.31	358.33	358.33	179.84	179.84	92.064	92.06	26.52	26.52	1310.75	1310.75	269.94	262.01	647.34	640.78	405.59	402.63	951.47	943.25	698.45	688.72	209.679611	205.690506	1.33635	1.269542
848.35	362.72	362.72	179.1	179.1	92.265	92.26	26.45	26.45	1308.58	1308.58	272.06	267.55	644.59	637.23	404.96	400.9	952.23	941.09	696.19	684.86	212.441925	203.062988	1.306	1.265
845.19	366.78	366.78	179.33	179.33	91.718	91.72	26.63	26.63	1311.19	1311.19	269.34	265.94	645.55	639.29	404.54	402.07	956.02	950.5	701.23	694.25	223.671295	210.084229	1.399755	1.293586
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	224.229385	220.23674	1.402782	1.37209
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	225.935669	220.878143	1.450368	1.357291
841.58	368.33	368.33	179.65	179.65	92.442	92.44	26.43	26.43	1308.97	1308.97	266.8	262.01	643.43	637.88	403.29	400.25	954.63	942.44	702.79	693.35	228.563126	219.615997	1.491321	1.429843
816.07	361.48	361.48	178.6	178.6	91.578	91.58	26.3	26.3	1292.94	1292.94	261.01	257.85	639.42	634.76	399.55	396.02	939.57	929.49	692.79	681.7	228.62796	222.822037	1.512564	1.442541
830.81	356.38	356.38	177.18	177.18	90.958	90.96	25.98	25.98	1276.97	1276.97	258.36	255.72	636.01	629.98	396.34	394.59	934.69	926.24	682.65	671.18	233.508423	226.460495	1.547983	1.501225
795.72	353.95	353.95	176.06	176.06	90.107	90.11	25.72	25.72	1281.7	1281.7	258.21	255.17	636.91	625.27	395.6	389.99	934.39	921.12	687.66	679.67	233.932327	230.513672	1.54269	1.540368
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	238.453415	231.853363	1.56299	1.525221
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	236.762024	229.539001	1.55553	1.526175
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	232.56012	228.771866	1.552815	1.524836
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	235.203934	231.506439	1.552897	1.539116
784.99	353.51	353.51	175.05	175.05	88.831	88.83	25.07	25.07	1267.91	1267.91	255.61	254.06	624.82	619.03	389.69	388.19	921.33	916.21	684.41	679.89	233.79364	226.733185	1.556805	1.532675
781.32	358.93	358.93	175.37	175.37	89.301	89.3	25.03	25.03	1272.01	1272.01	257.72	253.25	625.23	613.69	391.62	386.19	930.62	908.52	694.54	684.05	229.928482	224.126404	1.557218	1.516896
783.64	360.18	360.18	174.87	174.87	89.349	89.35	24.54	24.54	1275.44	1275.44	259.21	256.09	624.42	615.31	392.49	386.96	931.61	916.22	697.34	683.82	229.943604	226.035004	1.549235	1.527372
788.66	354.38	354.38	175.13	175.13	90.067	90.07	24.67	24.67	1275.38	1275.38	258.44	253.78	628.21	618.82	390.92	386.91	927.96	912.92	697.75	684.86	230.544815	219.966904	1.577519	1.511245
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	232.514938	221.308472	1.567181	1.510163
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	233.49408	226.853134	1.57655	1.540682
794.14	347.17	347.17	174.27	174.27	89.709	89.71	24.44	24.44	1254.8	1254.8	255.04	251.82	619.4	613.02	388.67	385.53	913.94	905	695.06	677.36	236.343643	225.441757	1.559365	1.533803
805.59	344.11	344.11	173.89	173.89	88.894	88.89	24.01	24.01	1250.04	1250.04	253.28	247.87	613.78	605.27	387.25	381.9	909.84	895.09	682.61	659.73	234.082458	223.127731	1.571242	1.494238
804.93	352.11	352.11	175.97	175.97	90.128	90.13	24.61	24.61	1253.47	1253.47	256.11	257.65	623.05	615.22	392.82	388.61	923.31	911.4	691.16	675.1	226.825058	216.410461	1.572911	1.471254
812.47	355.21	355.21	177.54	177.54	91.171	91.17	24.68	24.68	1282.74	1282.74	267.04	263.95	629.55	622.08	394.24	390.12	923.57	910.7	685.28	669.4	244.172836	223.7901	1.625816	1.514942
805.93	349.16	349.16	175.86	175.86	90.775	90.77	24.76	24.76	1274.62	1274.62	268.27	264.9	628.45	622.59	393.93	390.92	927.04	913.64	696.15	675.67	254.400909	238.905624	1.663136	1.59948
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	249.027893	239.916824	1.660711	1.608142
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	242.325333	236.275406	1.633845	1.594751
786.96	353.76	353.76	176.64	176.64	91.392	91.39	24.47	24.47	1280.06	1280.06	268.05	265.92	632.15	625.64	395.07	391.12	932.03	918.55	701.69	688.92	247.799393	242.411362	1.676955	1.613208
779.95	350.66	350.66	176.7	176.7	90.752	90.75	24.08	24.08	1266.97	1266.97	267.4	265.18	638.72	627.52	392.66	389.27	927.83	912.49	692.51	679.58	248.536484	229.157608	1.684371	1.524214
760.48	345.43	345.43	174.47	174.47	89.682	89.68	23.96	23.96	1256.53	1256.53	267.09	263.05	632.97	625.47	389.67	386.49	922.83	911.72	706.88	673.84	269.311951	230.677612	1.873478	1.595569
759.63	343.78	343.78	174.05	174.05	88.917	88.92	23.71	23.71	1251.63	1251.63	270.66	265.28	638.71	626.64	391.56	386.53	932.42	915.9	725.19	699.92	276.050415	268.378632	1.931621	1.865293
752.48	348.77	348.77	175.74	175.74	89.612	89.61	24.12	24.12	1256.25	1256.25	270.11	267.36	634.5	626.89	391.33	388.03	935.59	917.86	723.25	707.38	278.146393	272.392242	1.956934	1.923474
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	273.223022	267.819305	1.938639	1.897112
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	272.914612	267.800232	1.919539	1.899686
763.91	346.08	346.08	174.19	174.19	88.904	88.9	23.94	23.94	1242.26	1242.26	267.05	264.18	629.61	621.09	387.43	384.97	916.33	906.99	704.93	692.45	277.540283	271.956726	1.930819	1.913801
794.17	346.79	346.79	171.96	171.96	87.476	87.48	23.91	23.91	1230.44	1230.44	267.42	263.34	633.27	628.36	387.82	386.15	915.57	910.71	696.76	689.6	280.113159	274.927612	1.951517	1.879942
785.53	342.14	342.14	172.33	172.33	87.974	87.97	23.91	23.91	1227.59	1227.59	267.06	260.15	629.78	619.27	386.61	381.68	912.83	889.43	697.06	670.53	281.700287	272.087646	1.933549	1.861263
789.78	337.25	337.25	170.09	170.09	87.239	87.24	23.39	23.39	1208.02	1208.02	262.61	259.39	628.63	617.68	385.17	380.59	893.13	882.54	677.05	663.42	279.032837	267.488007	1.928763	1.788155
804.79	336.68	336.68	171.37	171.37	87.711	87.71	23.55	23.55	1215.64	1215.64	261.04	257.87	631.66	625.58	384.69	381.88	894.02	881.92	674.79	665.2	269.720764	252.622208	1.796455	1.741294
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	256.255646	251.374161	1.773365	1.733798
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	256.251953	249.131226	1.770119	1.735848
806.58	330.77	330.77	173.13	173.13	88.797	88.8	23.77	23.77	1223.9	1223.9	262.44	260.48	640.04	632.2	387.42	384.61	891.72	882.29	675.25	667.2	251.775803	246.251724	1.749869	1.730413
798.46	333.41	333.41	176.09	176.09	90.622	90.62	23.61	23.61	1222.18	1222.18	261.57	258.64	634.29	626.78	385.31	381.92	886.31	873.33	668.53	660.01	255.387604	240.414978	1.758754	1.695408
792.54	334.22	334.22	176.34	176.34	89.71	89.71	22.95	22.95	1215.44	1215.44	258.07	254.6	626.25	618.69	381.65	378.13	875.24	862.92	659.16	644.28	256.49762	242.100

666.28	299.18	299.18	148.34	148.34	76.987	76.99	19.13	19.13	1053.99	1053.99	224.71	219.69	539.4	528.34	334.96	328.84	758.96	742.74	531.74	518.02	245.831802	237.63913	1.703905	1.659575
674.2	298.54	298.54	148.7	148.7	77.135	77.14	19.23	19.23	1076.65	1076.65	224.51	219.6	539.03	524.39	335.14	327.78	758.99	731.38	528.26	509.73	248.466812	239.374771	1.793648	1.69821
669.62	303.45	303.45	146.74	146.74	75.996	76	18.94	18.94	1053.51	1053.51	218.73	216.78	522.28	512.15	328.12	324.39	735.14	725.76	515.05	506.09	252.51796	238.522934	1.808893	1.7598
666.16	305.36	305.36	145.92	145.92	74.698	74.7	19.54	19.54	1056.54	1056.54	220.5	217.05	516.57	507.91	328.44	323.65	738.09	720.39	514.21	498.87	242.353989	228.944687	1.780333	1.714499
679.68	311.77	311.77	146.45	146.45	74.92	74.92	18.83	18.83	1079.54	1079.54	224.82	220.38	530.32	515.83	335.31	326.58	750.58	726.3	520.29	503.72	232.746048	221.623627	1.807177	1.637012
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	239.378296	214.694565	1.795533	1.593808
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	262.646881	234.254517	2.222235	1.777782
706.41	308.97	308.97	146.85	146.85	75.009	75.01	19.18	19.18	1105.49	1105.49	224.74	222.07	536.6	524.34	336.86	332.77	755.98	743.24	527.7	516.91	263.177216	259.896393	2.233361	2.21932
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	264.909882	259.871704	2.252158	2.223686
710.71	308.09	308.09	145.91	145.91	75.534	75.53	18.19	18.19	1104.92	1104.92	223.13	223.13	534.45	534.45	334.87	334.87	749.35	749.35	525.22	525.22	264.709808	256.45752	2.268804	2.213153
705.28	306.41	306.41	145.8	145.8	75.016	75.02	18.27	18.27	1104.09	1104.09	223.22	221.83	536.82	527.02	335.84	333.24	754.99	747.52	529.94	524.68	259.40094	254.460419	2.241598	2.193249
717.92	302.91	302.91	145.66	145.66	75.565	75.57	18.59	18.59	1109.34	1109.34	224.61	221.7	537.94	532.45	337.21	333.46	757.76	748.54	531.2	521.46	262.901825	257.021637	2.255147	2.205244
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	262.856689	255.505539	2.268444	2.195327
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	270.152771	256.780304	2.295992	2.22009
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	272.127441	259.169189	2.307966	2.195211
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	264.678864	259.397675	2.254312	2.181581
721.29	301.39	301.39	145.27	145.27	75.942	75.94	18.68	18.68	1103.28	1103.28	223.66	222.89	538.36	534.2	336.53	335.71	757.28	755.8	531.15	530.46	274.896118	263.407379	2.364049	2.238445
707.8	303.51	303.51	145.4	145.4	75.777	75.78	18.71	18.71	1102.04	1102.04	223.84	221.13	538.06	533.77	336.24	334.13	757.72	751.75	530.91	524.15	276.369965	269.502869	2.375722	2.339671
706.04	301.21	301.21	144.13	144.13	75.464	75.46	18.9	18.9	1094.37	1094.37	221.01	218.88	534.54	530.06	335.56	333.22	755.51	746.02	529.03	523.46	272.681793	261.806519	2.373381	2.316065
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	269.591064	260.818695	2.38846	2.324021
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	270.160309	258.480408	2.407532	2.344893
696.44	300.36	300.36	143.42	143.42	74.594	74.59	18.52	18.52	1091.17	1091.17	221.17	217.23	532.17	522.47	333.77	329.42	751.64	736.02	528.07	517.76	260.537384	249.750885	2.350213	2.221061
696.06	301.56	301.56	141.64	141.64	73.501	73.5	18.35	18.35	1076.04	1076.04	219.11	214.2	527.86	511.74	331.16	324.01	746.46	730.51	522.35	508.11	262.176239	247.08194	2.428238	2.195653
657.4	292.44	292.44	138.74	138.74	71.664	71.66	17.48	17.48	1041.73	1041.73	211.05	207.74	508.91	500.02	322.65	317.91	730.72	718.72	508.12	500.39	266.99234	253.950043	2.454082	2.336629
638.01	294.56	294.56	138.71	138.71	71.475	71.48	17.51	17.51	1043.12	1043.12	210.56	204.69	511.28	495.13	321.24	311.68	727.94	701.52	507.12	488.02	277.97702	261.482269	2.782704	2.394097
651.11	291.4	291.4	139.67	139.67	70.939	70.94	18.1	18.1	1025.04	1025.04	214.25	207.49	519.67	506	325.4	315.78	733.19	710.52	513.28	493.62	282.35553	277.212273	2.793325	2.77195
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	283.151154	277.21497	2.807977	2.780356
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	282.809814	278.160522	2.800771	2.776533
664.57	298.79	298.79	141.34	141.34	72.306	72.31	18.26	18.26	1052.29	1052.29	216.98	212.92	529.7	514.44	330.2	322.87	747.48	728.7	519.14	507.73	283.497711	281.799896	2.817831	2.807376
679.66	301.91	301.91	142.91	142.91	73.501	73.5	18.67	18.67	1075.81	1075.81	218.48	214.85	532.82	526.02	332.3	328.72	752.79	742.44	523.42	516.91	290.409851	271.924072	2.859974	2.762089
682.57	298.67	298.67	143.4	143.4	73.723	73.72	18.98	18.98	1058.23	1058.23	219.88	217.39	536.92	531.58	335.4	330.91	755.5	747.95	528.17	518.19	284.57077	277.558289	2.863238	2.79779
689.43	296.99	296.99	143.16	143.16	73.608	73.61	18.85	18.85	1065.21	1065.21	220.39	215.55	542.85	531.19	338.94	332.48	761.27	747.31	533.13	522.12	295.056458	278.20871	2.980197	2.807376
715.07	308.29	308.29	144.67	144.67	74.921	74.92	19.41	19.41	1084.49	1084.49	223.07	221.48	547.94	542.79	342.14	340.39	768.94	761.21	541.22	533.89	305.963379	293.881744	3.063645	2.966705
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	306.326935	303.846161	3.05212	2.93733
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	308.056976	301.949524	2.953382	2.93339
728.97	312.27	312.27	145.16	145.16	75.284	75.28	19.73	19.73	1083.76	1083.76	221.97	218.74	550.85	541.66	342.65	338.31	769.83	756.89	540.35	525.07	308.662598	295.297913	2.948726	2.887411
744.93	303.11	303.11	144.34	144.34	74.851	74.85	19	19	1065.54	1065.54	220.74	217.25	548.67	537.79	342.66	336.53	768.7	754.03	536.33	522	307.749512	296.867126	2.955787	2.896785
762.11	291.63	291.63	145.67	145.67	76.016	76.02	18.97	18.97	1075.02	1075.02	218.83	215.73	548.93	543.8	341.77	339.34	764.59	758.32	528.07	522.19	309.291016	303.335236	2.949176	2.902107
764.98	287.68	287.68	144.5	144.5	75.969	75.97	18.8	18.8	1074.74	1074.74	217.51	215.3	551.87	544.65	340.69	338.26	768.55	756.36	529.77	521.94	308.836334	303.212158	2.940092	2.868888
744.84	285.58	285.58	144	144	75.285	75.28	18.36	18.36	1079.61	1079.61	217.76	215.2	552.91	545.59	338.04	335.78	760.53	752.65	526.3	519.66	308.236511	302.739929	2.89759	2.866383
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	307.151917	299.750275	2.901975	2.862571
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	311.226135	298.815643	2.91964	2.866806
770.27	286.43	286.43	143.25	143.25	75.262	75.26	18.73	18.73	1076.8	1076.8	217.53	215.39	554.01	546.78	339.25	337.34	762.84	754.88	525.28	521.44	307.376953	287.892517	2.92498	2.811524
811.03	285.08	285.08	142.71	142.71	75.262	75.26	19.68	19.68	1077.79	1077.79	216.56	214.37	547.24	541.57	339.91	338.33	769.11	760.46	523.07	518.44	299.026154	295.571442	2.862597	2.85112
855.31	275.43	275.43	141.52	141.52	73.992	73.99	20.21	20.21	1080.67	1080.67	215.73	213.95	545.61	540.69	339.82	338.03	762.44	756.56	522.41	516.84	302.958221	292.559174	2.877316	2.833611
881.24	278.51	278.51	141.49	141.49	74.047	74.05	20.26	20.26	1079.09	1079.09	215.49	213.46	544.97	540.2	339.88	337.32	760.92	753.87	521.16	513.17	317.385803	300.403961	2.97258	2.842863
894.38	276.1	276.1	140.97	140.97	73.732	73.73	20.03	20.03	1074.03	1074.03	215.49	213.09	547.67	541.84	338.4	337.44	759.17	753.45	516.33	503.6	311.236237	295.796234	2.965737	2.881025
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	299.866577	285.094421	2.920652	2.838012
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	294.511627	283.240234	2.922691	2.816613
914.33	274.23	274.23	140.11	140.11	73.433	73.43	20	20	1066.93	1066.93	215.65	210.55	542.84	528.75	337.58	330.9	755.73	737.75	506.72	493.21	285.253479	274.367737	2.880839	2.773456
901.06	272.36	272.36	138.38	138.38	72.406	72.41	19.54	19.54	1046.3	1046.3	210.63	208.55	530.39	525.71	331.22	328.53	737.7	729.88	492.4	486.46	304.718018	284.378296	3.045716	2.861697
905.21	270.68	270.68	138.54	138.54	72.919	72.92	19.69	19.69	1043.6	1043.6	210.73	208.82	530.55	526.92	332.53	330.33	739.94	734.87	493.07	487.8	308.641571	298.472107	3.070232	3.005242
917.21	270.64	270.64	138.47	138.47	73.046	73.05	19.5	19.5	1043.87	1043.87	209.35	207.09	531.47	527.72	331.86	329.35	738.02	725.78	491.46	482.74	314.904114	296.419342	3.134612	2.996701
898.29	270.9	270.9	137.61	137.61	72.59	72.59	18.88	18.88	1032.57	1032.57	207.19	204.6	530.93	521.13	329.9	325.47	725.8	715.76	483.82	474.87	328.343079	303.190125	3.201434	3.076444
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	312.114868	299.178986	3.115526	3.055659
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	323.878296	296.308594	3.224711	3.042688
892.79	270.5	270.5	137.59	137.59	72.374	72.37	18.41	18.41	1024.45	1024.45	208.41	205.47	532.55	525.4	328.86	326.27	725.42	716.88	483.34	476.45	336.208527	308.893799	3.280834	3.098981
895.88	269.28	269.28	137.59	137.59	72.355	72.35	18.96	18.96	1019.24	1019.24	210.12	207.33	533.74	524.26	329.55	326.14	728.88	718.6	483.24	475.62	367.290466	321.309662	3.495557	3.221431
905.6	267.52	267.52	137.46	137.46	72.207	72.21	19.35	19.35	1015.46	1015.46	209.29	206.83	533.23	525.62	331.04	327.08	726.52	717.72	485.67	476.55	345.404694	295.096222	3.328921	2.950866
898.61	273.16	273.16	138.33	138.33	73.076	73.08	19.74	19.74	1030.74	1030.74	209.85	208.42	536.62	531.84	331.81	330.09	734.03	723.93	488.93	482.04	298.913208	292.626709	3.009259	2.943255
895.58	268.86	268.86	137.95	137.95	72.412	72.41	19.83	19.83	1028.34	1028.34	207.75	205.35	532.44	525.67	330.11	326.98	726.32	718.47	488.55	479.72	301.784241	286.62204	2.987023	2.881071
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	291.717621	276.465637	2.91801	2.84849
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	278.695801	274.778351	2.874036	2.836757
882.61	265.46	265.46	136.96	136.96	72.201	72.2	20.44	20.44	1018.19	1018.19	210.47	206.11	530.72	522.96	330.64	326.2	729.9	717.82	492.07	480.51	284.966858	274.894226	2.95916	2.854955
845.59	271.87	271.87	138.52	138.52	73.169	73.17	18.6	18.6	1031.91	1031.91	210.99	205.83	531.34	523.08	331.94	326.79	731.63	719.31	494.64	482.32	285.201996	270.50116	2.950688	2.89871
821.84	270.95	270.95	139.18	139.18	73.375	73.37	18.56	18.56	1023.69	1023.69	208.12	205.5	527.53	523.73	328.8	324.87	723.56	713.4	485.91	480.55	275.091309	263.450073	2.941343	2.860349
823.95	266.1	266.1	138.37	138.37	72.49	72.49	18.69	18.69	1007.11	1007.11	207.37	204.1	527.08	518.66	328.26	323.01	720.79	709.49	487.07	476.06	265.07431	259.749908	2.89146	2.825687
869.6	263.64	263.64	138.21	138.21	72.5	72.5	19.21	19.21	1018.85	1018.85	208.55	205.67	529.82	523.61	330.07	326.35	723.22	714.07	487.04	481.03	267.608368	260.197449	2.935741	2.847618
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	262.735535	256.009277	2.892774	2.838151
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	271.901154	256.351807	2.99996	2.841824
859.2	252.61	252.61	138.22	138.22	72.958	72.96	18.75	18.75	1028.39	1028.39	206.64	203.01	528.13	518.44	329.36	325.93	723.21	711.6	486.38	474.72	276.116638	268.917603	3.018757	2.977912
856.26	245.47	245.47	136.1	136.1	71.458	71.46	18.05	18.05	1003.44	1003.44	201	197.92	521.51	514.64	323.5	320.02	708.88	692.37	480.99	464.6	278.215332	265.698181	3.028443	2.947563
869.17	245.05	245.05	135.09	135.09	71.206	71.21	17.8	17.8	993.06	993.06	199.1	197.01	520.26	513.88	322.97	321.07	706.99	702.12	474.36	465.68	280.983917	265.365967	3.025304	2.944053
877.28	246.94	246.94	135.09	135.09	70.989	70.99	18.13	18.13	991.64	991.64	198.1	196.73	515.41	510.85	321.27	318.85	702.34	694.07	465.6	458.67	283.273529	277.525177	3.065759	2.985586
880.32	245.09	245.09	133.82	133.82	70.143	70.14	17.74	17.74	979.21	979.21	198.85	193.79	512.54	505.57	322.67	316.37	701.26	686.35	467.82	452.17	282.076447	275.61377	3.06899	2.925059
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	283.520935	271.453033	2.973457	2.889921
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	284.026031	270.621155	2.967514	2.864278
899.62	243.66	243.66	134.47	134.47	70.645	70.64	17.98	17.98	983.56	983.56	198.87	195.93	508.59	504.62	320.9	318.78	700.85	692.89	470.75	461.79	287.270355	279.204193	2.988701	2.944036
904.78	245.7	245.7	135.1	135.1	70.669	70.67	18.46	18.46	990.23	990.23	200.09	196.68	509.54	497.79	321.4	315.48	704.78	687.75	469.09	456.49	304.650696	281.910004	3.059076	2.944276
919.85	242.36	242.36	134.17	134.17	70.206	70.21	18.35	18.35	979.47	979.47	196.48	192.92	505.73	500.31	319.05	315.14	697.7	691.31	468.47	462.49	305.484253	301.244385	3.111953	3.029182
885.2	242.94	242.94	133.62	133.62	69.574	69.57	18.01	18.01	986.77	986.77	193.34	189.76	506.92	492.92	316.48	307.96	692.82	672.87	464.06	448.84	308.417236	297.712646	3.121022	3.0493
890.17	235.6	235.6	130.89	130.89	67.822	67.82	17.04	17.04	968.92	968.92	192.6	189.06	499.85	493.66	311.97	308.08	688.1	674.84	462.52	451.76	305.900269	296.296417	3.124124	3.039969
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	308.802216	302.937225	3.183711	3.115497
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	309.757782	297.069061	3.204304	3.100031
889.04	231.04	231.04	130.18	130.18	67.471	67.47	17.02	17.02	1008.94	1008.94	193.59	189.02	496.08	476.88	311.68	302.92	687.89	666.34	461.98	446.62	302.1698	292.815125	3.144894	3.098676
855.49	225.97	225.97	127.34	127.34	66.445	66.45	16.07	16.07	984.58	984.58	190.52	182.97	492.13	472.5	307.35	295.63	672.35	647.61	448.28	427.11	310.766785	291.347137	3.191897	3.093265
880.98	220.17	220.17	126.73	126.73	65.654	65.65	16.14	16.14	991.57	991.57	196.3	185.27	499.27	482.52	314.22	303.78	684.49	661.12	456.13	435.91	318.091736	304.151154	3.225467	3.154329
909.63	226	226	129.03	129.03	67.374	67.37	16.82	16.82	1018.51	1018.51	193.87	189.07	496.83	487.79	314.67	309.59	682.5	669.41	456.14	439.86	323.814697	307.717224	3.343434	3.038622
908.28	219.72	219.72	129.15	129.15	67.765	67.76	16.86	16.86	1015.92	1015.92	192.22	189.21	497.77	492.31	315.88	311.56	683.7	671.71	448.03	434.48	311.916779	290.882355	3.059081	2.991541
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	300.041931	282.07193	3.046326	2.927325
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290.82132	281.919037	3.040527	2.912973
918.09	220.16	220.16	129.29	129.29	67.952	67.95	16.83	16.83	1023.18	1023.18	196.45	191.89	504.66	497.59	317.37	312.88	688.48	676.35	451.28	437.73	295.28183	279.751923	3.082165	2.989268
953.96	223.29	223.29	130.32	130.32	68.124	68.12	17.87	17.87	1028.59	1028.59	202.84	197.72	506.67	495.28	324.07	318.53	702.77	691.2	461.47	451.16	301.69165	272.781281	3.154616	3.046654
948.75	228.92	228.92	130.57	130.57	68.14	68.14	18.07	18.07	1016.76	1016.76	202.12	198.13	502.56	499.15	322.59	319.69	697.77	688.57	459.12	450.27	278.107056	258.974182	3.086624	2.962243
956.24	233.12	233.12	131.73	131.73	68.557	68.56	18.71	18.71	1049.74	1049.74	207.47	202.62	510.13	503.38	327.99	323.4	709.16	698.6	465.64	457.43	268.816956	254.431564	3.13009	2.92808
967.46	246.54	246.54	132.67	132.67	69.269	69.27	19.57	19.57	1062.77	1062.77	211.23	208.1	513.82	509.74	330.29	328.08	717.64	705.5	474.96	460.93	274.569611	241.699951	3.114447	2.853463
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	273.113068	231.159393	3.230859	2.781143
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	291.240112	260.396301	3.423124	3.10668
975.97	246.92	246.92	132.82	132.82	69.353	69.35	20.2	20.2	1057.08	1057.08	208.24	205.3	510.72	504.18	328.26	325.74	704.93	703.01	465.12	463.66	299.354065	285.944061	3.439777	3.327239
972.83	238.72	238.72	132.3	132.3	68.976	68.98	19.58	19.58	1055.33	1055.33	209.63	204	513.15	505.81	332.09	324.71	718.35	703.09	477.33	462.59	304.692535	294.378021	3.33375	3.382976
1003.18	242.26	242.26	134.55	134.55	70.276	70.28	20.87	20.87	1069.46	1069.46	211.71	207.83	522.84	513.6	335.98	331.97	728.25	714.35	480.84	468.64	310.224304	301.894867	3.571279	3.477288
1021.1	248.19	248.19	135.15	135.15	70.854	70.85	21.5	21.5	1077.58	1077.58	211.76	209.94	524.29	515.75	336.15	333.66	728.65	721.43	478.01	471.12	309.562134	294.327698	3.60175	3.330914
1008.32	245.01	245.01	134.25	134.25	70.62	70.62	21.47	21.47	1079.68	1079.68	212.16	209.1	519.01	512.94	335.16	331.63	725.56	717.03	485.05	476.25	303.267975	293.333313	3.415562	3.308456
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	316.209595	295.214508	3.514911	3.314495
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	320.630005	313.335449	3.539852	3.4679
996.77	247.23	247.23	135.36	135.36	70.992	70.99	21.78	21.78	1080.74	1080.74	211.36	208.35	520.94	515.22	335.39	332.21	726.38	720.34	484.41	477.21	325.339478	314.102081	3.568655	3.447333
1008.3	244.47	244.47	134.49	134.49	70.106	70.11	21.54	21.54	1074.28	1074.28	212.33	209.28	528.61	519.25	338.38	333.13	743.38	722.87	493.35	478.92	331.444672	321.226959	3.656324	3.492463
1002.32	242.43	242.43	135.31	135.31	71.122	71.12	21.91	21.91	1084.46	1084.46	211.04	208.32	525.82	520.1	336.8	333.3	740.58	733.02	487.22	479.35	339.307556	327.882263	3.6927	3.603278
1005.78	239.38	239.38	135.23	135.23	70.809	70.81	21.97	21.97	1080.93	1080.93	212.56	209.44	528.95	518.72	338.8	333.85	747.52	735.94	495.9	481.3	343.704376	307.343872	3.798716	3.253238
1017.3	244.52	244.52	136.45	136.45	71.949	71.95	22.26	22.26	1090.04	1090.04	214.48	212.53	531.13	526.3	340.32	338.84	750.79	743.65	503.92	494.86	316.469116	309.170898	3.435122	3.276111
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	321.504517	306.502197	3.524144	3.239001
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.97818	303.931244	3.598441	3.275795
1036.01	250.87	250.87	136.18	136.18	71.862	71.86	21.97	21.97	1085.38	1085.38	216.12	214.58	535.57	530.69	343.17	340.91	754.29	747.92	513	504.6	330.936707	298.921021	3.681545	3.306661
1032.81	249.3	249.3	137.07	137.07	71.636	71.64	21.96	21.96	1114.2	1114.2	214.88	210.7	529.13	526.05	340.46	337.56	747.11	731.43	507.15	500.86	355.505402	319.789459	3.941662	3.546233
1037.61	246.46	246.46	136.4	136.4	70.972	70.97	21.57	21.57	1103.55	1103.55	210.93	209.63	532.25	525.92	337.6	336.55	734.28	730.04	504.96	500.9	361.468506	351.586884	3.990716	3.861547
1023.95	244.91	244.91	135.41	135.41	70.315	70.32	21.19

1135.02	238.39	238.39	136.57	136.57	70.909	70.91	23.47	23.47	1105.48	1105.48	198.5	195.93	508.07	502.37	337.87	334.57	741.14	728.68	531.83	522.09	NA	NA	NA	NA
1144.34	238.43	238.43	137.23	137.23	71.983	71.98	23.05	23.05	1120.52	1120.52	199.12	197.38	511.73	506.67	337.77	334.76	742.78	732.54	534.21	525.57	NA	NA	NA	NA
1180.87	240.46	240.46	137.59	137.59	72.277	72.28	22.99	22.99	1121.99	1121.99	197.2	195.61	512.5	509.89	336.89	334.64	744.76	738.23	535.07	528.05	NA	NA	NA	NA
1167.29	239.93	239.93	136.87	136.87	72.163	72.16	23.21	23.21	1117.14	1117.14	196.83	193.02	511.08	506.51	335.55	331.99	738.8	734.45	528.82	523.78	NA	NA	NA	NA
1155.23	233.05	233.05	136.21	136.21	71.139	71.14	22.73	22.73	1105.05	1105.05	193.32	191.5	509.14	504.99	332.91	330.56	738.72	731.16	529.46	519.4	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1167.77	235.14	235.14	137.07	137.07	71.622	71.62	22.82	22.82	1109.02	1109.02	192.86	191	508.76	502.28	332.9	330.49	739.34	730.44	532.68	525.2	NA	NA	NA	NA
1179.63	237.85	237.85	137.16	137.16	71.359	71.36	22.91	22.91	1099.79	1099.79	190.18	188.45	509.22	503.88	335.41	332.79	744.7	737.09	541.55	533.62	NA	NA	NA	NA
1174.33	241.45	241.45	137.26	137.26	71.434	71.43	23.08	23.08	1082.42	1082.42	190.72	187.38	509.87	507.11	336.21	332.29	747.45	739.3	541.96	535.06	NA	NA	NA	NA
1171.63	233.9	233.9	136.48	136.48	70.463	70.46	22.07	22.07	1075.05	1075.05	189.56	187.9	509.26	506.05	333.38	331.44	745.61	737.66	541.24	532.49	NA	NA	NA	NA
1170.95	232.3	232.3	137.76	137.76	70.749	70.75	22.47	22.47	1088.03	1088.03	190.89	188.91	509.36	503.19	333.43	330.59	744.94	735.68	536.72	530.54	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1167.57	231.04	231.04	136.66	136.66	70.395	70.4	22.26	22.26	1073.41	1073.41	190.39	188.32	506.96	502.16	331.29	328.99	739.19	732.64	534.34	528.53	NA	NA	NA	NA
1165.11	232.58	232.58	136.8	136.8	70.325	70.33	21.82	21.82	1072.62	1072.62	191.87	188.34	508.24	502.51	333.1	327.91	749.71	735.02	534.94	523.01	NA	NA	NA	NA
1206.92	237.48	237.48	136.4	136.4	70.121	70.12	22.53	22.53	1085.08	1085.08	191.97	190.81	510.19	507.63	333.89	331.89	751.36	746.17	536.81	529.6	NA	NA	NA	NA
1209.85	234.68	234.68	136	136	69.794	69.79	22.48	22.48	1083.08	1083.08	196.24	191.22	515.52	510.21	338.49	333.24	759.2	747.14	545.5	533.37	NA	NA	NA	NA
1249.25	246.53	246.53	137.08	137.08	70.67	70.67	23.48	23.48	1093.93	1093.93	197.8	195.57	519.36	514.86	340.99	337.84	764.92	757.06	553.75	543.91	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1258.2	251.35	251.35	137.8	137.8	71.375	71.37	23.78	23.78	1095.32	1095.32	198.45	197.05	520.54	517.97	341.99	341.04	767.65	765.33	554.25	550.74	NA	NA	NA	NA
1249.78	252.37	252.37	137.97	137.97	71.989	71.99	24.25	24.25	1092.49	1092.49	198.31	195.72	518.94	513.68	341.95	338.62	767.05	758.26	553.52	546.92	NA	NA	NA	NA
1244.82	245.06	245.06	137.35	137.35	71.947	71.95	23.97	23.97	1078.57	1078.57	196.03	194.91	517.35	514.38	339.48	338.15	760.04	756.1	551.37	545.16	NA	NA	NA	NA
1245.45	248.42	248.42	136.72	136.72	71.744	71.74	23.83	23.83	1075.71	1075.71	194.41	191.95	516.69	511.52	338.07	335.56	758.07	750.17	544.82	537.15	NA	NA	NA	NA
1239.35	247.32	247.32	136.03	136.03	71.098	71.1	23.9	23.9	1069.83	1069.83	193.25	191.19	512.9	508.54	336.44	334.06	753.01	746.22	542.2	535.85	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1237.9	253.4	253.4	135.76	135.76	71.065	71.07	23.59	23.59	1067.82	1067.82	192.2	190.83	508.11	505.49	335.98	334.49	747.8	744.16	542.12	537.55	NA	NA	NA	NA
1239.96	255.17	255.17	136.13	136.13	70.908	70.91	23.73	23.73	1066.43	1066.43	193.7	191.31	509.39	505.86	336.18	333.65	753.89	745.16	544.92	534.66	NA	NA	NA	NA
1232.21	252.68	252.68	135.38	135.38	70.18	70.18	23.47	23.47	1071.23	1071.23	194.92	192.11	509.93	505.67	337.48	334.02	758.18	750.01	545.46	538.3	NA	NA	NA	NA
1270.09	255.18	255.18	136.45	136.45	70.32	70.32	23.93	23.93	1083.26	1083.26	197.65	195.54	512.37	507.33	340.35	338.03	761.07	754.63	548.21	544.42	NA	NA	NA	NA
1273.88	249.75	249.75	136.25	136.25	69.688	69.69	24.63	24.63	1083.99	1083.99	197.9	196.44	514.88	509.08	340.44	339.39	761.86	754.02	552.19	545.03	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1274.82	253.29	253.29	136.05	136.05	70.071	70.07	24.95	24.95	1089.3	1089.3	196.88	195.49	516.09	512.13	342.06	340.77	766.32	759.16	555.92	551.31	NA	NA	NA	NA
1263.6	252.33	252.33	136.28	136.28	70.256	70.26	24.63	24.63	1095.62	1095.62	197.66	195.85	514.65	512.31	341.99	340.57	763.05	757.63	555.71	552.04	NA	NA	NA	NA
1265.84	252.99	252.99	135.52	135.52	69.382	69.38	24.79	24.79	1092.31	1092.31	196.18	194.53	514.86	508.81	340.45	339.18	759.31	755.89	550.82	547.52	NA	NA	NA	NA
1268.41	257.15	257.15	136.03	136.03	69.821	69.82	23.91	23.91	1087.77	1087.77	196.19	194.61	514.23	509.92	340.03	337.99	758.75	751.83	553.27	544.92	NA	NA	NA	NA
1278.37	257.71	257.71	136.29	136.29	70.323	70.32	24.18	24.18	1081.55	1081.55	195.69	194.3	513.44	509.95	340.19	338.26	754.92	751.06	548.26	542.98	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1262.95	259.42	259.42	137.77	137.77	70.703	70.7	25.16	25.16	1076.18	1076.18	196.95	194.43	514.46	511.39	341.47	338.05	759.34	749.63	550.97	540.3	NA	NA	NA	NA
1242.83	266.46	266.46	138.83	138.83	72.035	72.03	24.94	24.94	1073.69	1073.69	197.36	196.32	514.75	511.65	341.95	340.43	761.48	758.29	553.27	549.94	NA	NA	NA	NA
1239.89	271.89	271.89	138.82	138.82	71.815	71.82	25.05	25.05	1068.64	1068.64	197.52	195.28	514.09	510.05	342.71	340.2	765.13	759.05	554.88	548.75	NA	NA	NA	NA
1257.54	285.81	285.81	139.24	139.24	72.238	72.24	25.56	25.56	1073.71	1073.71	197.06	195.29	512.83	501.52	342.76	341.14	765.77	763.06	556.3	552.23	NA	NA	NA	NA
1255.67	286.13	286.13	139.11	139.11	72.411	72.41	26.04	26.04	1067.95	1067.95	195.73	194.7	501.84	496.08	341.7	340.7	764.93	762.09	559.88	553.93	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1240.22	285.19	285.19	138.71	138.71	72.555	72.55	25.95	25.95	1066.12	1066.12	195.61	194.31	501.32	496.02	340.53	337.98	764.65	757.61	559.14	554.32	NA	NA	NA	NA
1232.91	280.7	280.7	136.71	136.71	71.106	71.11	25.31	25.31	1068.27	1068.27	196.35	193.55	505.44	498.58	340.56	336.07	763.66	755.62	555.37	544.41	NA	NA	NA	NA
1229.63	280.33	280.33	136.56	136.56	70.836	70.84	25.18	25.18	1069.38	1069.38	193.68	192.36	503	499.29	336.77	335.39	759.66	756.36	549.72	541.21	NA	NA	NA	NA
1233.79	275.72	275.72	136.42	136.42	70.711	70.71	24.63	24.63	1072.43	1072.43	194.4	192.73	502.28	498.57	338.19	336.09	760.08	755.49	550.62	546.55	NA	NA	NA	NA
1234.59	275.18	275.18	136.95	136.95	70.713	70.71	25.14	25.14	1069.86	1069.86	196.17	193.86	505.48	500.03	338.59	337.35	763.68	757.47	554.08	547.41	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1230.89	272.26	272.26	136.27	136.27	70.132	70.13	25.02	25.02	1074.32	1074.32	195.72	193.78	504.52	500.81	338.01	336.95	759.45	756.17	551.76	549.58	NA	NA	NA	NA
1224.86	274.15	274.15	136.72	136.72	69.574	69.57	24.96	24.96	1074.32	1074.32	194.23	192.94	503.08	498.4	337.79	337.06	758.91	755.59	549.47	546.56	NA	NA	NA	NA
1222.69	274.94	274.94	136.82	136.82	69.635	69.64	24.9	24.9	1075.39	1075.39	193.97	192.73	502.32	496.1	337.5	336.54	759.04	755.36	550.7	545.61	NA	NA	NA	NA
1231.61	273.96	273.96	137.29	137.29	69.531	69.53	24.45	24.45	1071.99	1071.99	193.84	190.79	506.5	502.14	337.72	336.6	760.39	753.32	551.9	548.81	NA	NA	NA	NA
1236.81	270.45	270.45	136.16	136.16	68.9	68.9	24.07	24.07	1054.73	1054.73	190.58	189.85	504.68	503.12	336.63	335.12	755.84	750.48	550.05	543.05	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1226.97	267.84	267.84	135.81	135.81	68.814	68.81	23.57	23.57	1045.73	1045.73	189.68	188.42	506.91	499.98	334.85	333.01	749.52	746.2	541.37	534.74	NA	NA	NA	NA
1227.44	267.17	267.17	135.22	135.22	68.675	68.67	23.7	23.7	1044.28	1044.28	189.49	187.97	508.59	501.84	334.52	332.92	749.98	745.35	536.51	532.75	NA	NA	NA	NA
1204.32	266.42	266.42	134.32	134.32	68.545	68.54	23.32	23.32	1056.92	1056.92	187.53	184.18	501.18	496.05	333.51	329.78	747.06	738.95	533.42	525.14	NA	NA	NA	NA
1199.5	265.65	265.65	134.43	134.43	68.055	68.06	23	23	1049.84	1049.84	186.09	184.4	501.95	496.5	332.44	330.9	747.59	743.58	530.12	523.66	NA	NA	NA	NA
1195.73	263.44	263.44	135.12	135.12	68.341	68.34	22.37	22.37	1045.14	1045.14	184.97	182.61	504.06	498.45	331.9	329.09	747.41	740.59	525.67	512.46	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1189.37	248.07	248.07	134.93	134.93	68.248	68.25	22.41	22.41	1047.57	1047.57	185.43	182.57	503.15	494.19	331.98	329.61	747.63	740.37	526.24	514.45	NA	NA	NA	NA
1203.88	253.26	253.26	135.84	135.84	68.634	68.63	22.57	22.57	1052.94	1052.94	187.89	184.58	496.55	492.17	335.87	331.17	753.87	746.83	539.87	523.51	NA	NA	NA	NA
1230.94	264.3	264.3	136.96	136.96	69.388	69.39	23	23	1068.24	1068.24	188.76	187.46	494.05	490.86	335.37	334.09	751.52	747.95	535.11	531.33	NA	NA	NA	NA
1226.52	266.77	266.77	137.51	137.51	69.5	69.5	22.87	22.87	1068.93	1068.93	189.68	188.38	492.15	489.49	335.37	334.14	752.95	748.56	537.21	529.94	NA	NA	NA	NA
1219.26	269.71	269.71	137.09	137.09	68.841	68.84	23.47	23.47	1068.04	1068.04	187.97	184.15	490.87	488.56	334.53	332.38	749.23	739.35	529.88	523.93	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1215.39	264.54	264.54	136.58	136.58	69.375	69.37	22.73	22.73	1048.2	1048.2	185.63	183.49	488.98	484.3	332.74	331.06	739.53	735.55	529.48	524.02	NA	NA	NA	NA
1241.26	270.99	270.99	137.2	137.2	69.386	69.39	21.56	21.56	1056.02	1056.02	185.79	182.27	488.13	482.16	332.97	329.1	739.45	731.03	529.35	521.99	NA	NA	NA	NA
1238.33	265.56	265.56	135.5	135.5	68.149	68.15	21.09	21.09	1066.22	1066.22	183.23	181.2	482.51	476.34	330.23	328.18	733.91	722.37	528.89	522.04	NA	NA	NA	NA
1240.35	266.7	266.7	135.39	135.39	67.666	67.67	21.69	21.69	1072.05	1072.05	183.19	181.89	482.77	478.34	331.48	328.83	735.74	724.1	536.9	525.33	NA	NA	NA	NA
1246.22	265.54	265.54	134.35	134.35	67.167	67.17	21.49	21.49	1076.3	1076.3	182.32	180.42	481.8	477.95	330.89	328.23	738.28	724.43	535.75	526.43	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1249.21	266.79	266.79	134.63	134.63	67.094	67.09	21.13	21.13	1088.19	1088.19	184.08	182.35	486.34	481.47	332.56	330.61	741.42	736.08	540.42	535.14	NA	NA	NA	NA
1253.01	266.83	266.83	134.38	134.38	67.288	67.29	20.89	20.89	1092.61	1092.61	184.13	183.64	484.66	481.96	331.83	331.08	740.35	739.65	540.89	540.61	NA	NA	NA	NA
1250.57	264.87	264.87	134.24	134.24	67.207	67.21	20.85	20.85	1093.6	1093.6	185.07	183.02	487.62	480.53	331.71	330.34	739.64	735.69	542.74	536.6	NA	NA	NA	NA
1250.82	267.56	267.56	134.98	134.98	67.867	67.87	20.31	20.31	1085.22	1085.22	186.61	184.06	488.73	483.58	331.33	327.97	738.76	730.65	545.21	537.19	NA	NA	NA	NA
1242.03	265.52	265.52	134.65	134.65	67.234	67.23	20.2	20.2	1069.93	1069.93	186.23	182.08	485.32	479.76	328.95	326.91	735.66	724.05	541.73	535.05	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1235.57	273.35	273.35	134.41	134.41	66.997	67	20.2	20.2	1065.58	1065.58	187.31	184.43	480.5	477.23	328.76	326.02	728.77	720.95	546.41	535.09	NA	NA	NA	NA
1215.11	281.21	281.21	135	135	67.299	67.3	20.38	20.38	1085.73	1085.73	188.85	185.89	481.07	477.51	331.21	326.96	734.72	719.68	554.71	539.37	NA	NA	NA	NA
1202.15	280.53	280.53	134.72	134.72	67.2	67.2	20.71	20.71	1089.71	1089.71	187.56	185.45	483.93	477.8	330.29	328.3	729.28	724.87	560.94	551.13	NA	NA	NA	NA
1198.92	283.72	283.72	135.51	135.51	67.154	67.15	21.03	21.03	1094.73	1094.73	190.56	188.9	486.95	482.26	330.73	326.86	727.59	710.58	560.19	549.9	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1192.22	276.94	276.94	134.23	134.23	66.386	66.39	19.7	19.7	1085.75	1085.75	187.88	184.64	483.59	474.64	325.91	323.27	711.29	702.85	548.98	537.68	NA	NA	NA	NA
1192.39	271.85	271.85	133.21	133.21	66.043	66.04	19.64	19.64	1090.89	1090.89	185.06	182.73	487.29	482.79	324.27	321.92	706.45	699.25	537.48	526.88	NA	NA	NA	NA
1185.76	265.17	265.17	131.55	131.55	65.222	65.22	19.17	19.17	1074.96	1074.96	188.75	184.16	487.64	481.2	323.79	320.05	707.18	695.82	537.52	522.15	NA	NA	NA	NA
1176.77	269.7	269.7	132.07	132.07	65.376	65.38	19.62	19.62	1075.04	1075.04	188.35	185.06	488.53	476.6	323.27	319.11	705.81	696.25	537.95	527.98	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1177.02	277.8	277.8	132.62	132.62	65.386	65.39	20.47	20.47	1069.72	1069.72	193.64	189.62	479.51	474.84	325.68	320.82	713.06	699.14	543.69	534.15	NA	NA	NA	NA
1208.36	287.74	287.74	134.67	134.67	66.431	66.43	21.01	21.01	1093.88	1093.88	199.79	195.98	485.49	479.87	330.67	326.79	721.19	712.57	557.32	545.53	NA	NA	NA	NA
1212.27	287.5	287.42	134.67	134.67	66.034	66.03	21.24	21.24	1096.72	1096.63	198.61	195.53	487.14	481.8	329.76	327.74	716.93	712.64	556.9	547.88	NA	NA	NA	NA
1202.72	282.5	282.48	133.86	133.8	65.883	65.88	20.76	20.76	1092.68	1091.69	195.92	192.8	482.44	478.02	329.29	325.35	717.53	710.66	554.45	542.26	NA	NA	NA	NA
1207.3	290.24	290.19	134.38	134.33	66.034	66.03	21.31	21.31	1095.07	1094.9	196.65	193.84	481.2	477.67	331.34	328.41	725.86	714.51	559.61	551.42	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1204.76	296.23	296.23	135.24	135.24	66.173	66.17	21.84	21.84	1109.78	1109.78	200.73	198.52	483.25	477.5	333.29	331.02	729.29	723.36	561.97	553.84	NA	NA	NA	NA
1204.53	291.49	291.49	134.57	134.57	65.611	65.61	21.63	21.63	1107.49	1107.49	202.11	200.41	478.2	472.11	331.91	329.6	726.59	720.17	557.88	551.04	NA	NA	NA	NA
1200.71	292.17	292.17	135.11	135.11	65.73	65.73	21.58	21.58	1106.71	1106.71	201.45	200.21	475.57	471.96	330.93	329.88	724.35	721.05	558.48	552.92	NA	NA	NA	NA
1196.11	288.51	288.51	134.82	134.82	64.998	65	21.38	21.38	1109.32	1109.32	200.36	197.55	474.78	469.52	330.5	328.62	728.52	721.92	555.31	545.34	NA	NA	NA	NA
1191.07	282.8	282.8	134.3	134.3	65.041	65.04	20.42	20.42	1104.96	1104.96	197.34	195.72	480.26	472.85	329.47	327.58	729.29	723.82	550.5	543.4	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1181.24	281.08	281.08	133.41	133.41	65.44	65.44	20.23	20.23	1104.67	1104.67	196.92	195.19	478.16	474	327.53	325.08	726.14	719.25	545.92	536.06	NA	NA	NA	NA
1171.07	280.6	280.6	133	133	65.103	65.1	19.8	19.8	1098.93	1098.93	196.15	193.93	472.61	462.41	325.32	323.25	719.7	712.64	535.44	531.38	NA	NA	NA	NA
1168.17	283.45	283.45	132.79	132.79	64.832	64.83	19.44	19.44	1088.91	1088.91	196.07	193.73	467.45	463.54	325.53	322.59	720.31	709.79	535.31	525.5	NA	NA	NA	NA
1144.57	280.33	280.33	132.63	132.63	65.086	65.09	18.97	18.97	1078.59	1078.59	193.8	191.55	463.77	452.31	322.64	318.39	712.19	699.05	527	518.74	NA	NA	NA	NA
1141.45	274.41	274.41	131.01	131.01	64.067	64.07	18.99	18.99	1065.23	1065.23	194.9	190.8	454.91	451.24	321.79	317.7	710.41	696.06	528.18	516.96	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1145.91	277.39	277.39	132.07	132.07	64.495	64.5	19.6	19.6	1072.96	1072.96	196.8	195.18	453.61	449.74	322.9	321.04	711.44	703.38	528.91	524.56	NA	NA	NA	NA
1129.98	275.19	275.19	132.36	132.36	64.196	64.2	19.77	19.77	1061.37	1061.37	196.17	192.29	450.1	445.7	321.59	318.54	703.4	694	526.3	520.04	NA	NA	NA	NA
1125.12	277.04	277.04	134.72	134.72	65.498	65.5	19.57	19.57	1063.94	1063.94	195.06	193.74	453.16	448.23	322.77	321.11	705.97	701.94	532.16	519.79	NA	NA	NA	NA
1109.7	275.12	275.12	134.13	134.13	65.178	65.18	19.64	19.64	1061.56	1061.56	194.6	191.71	453

1108.96	266.27	266.27	129.97	129.97	63.777	63.78	17.76	17.76	1059.23	1059.23	187.45	185.7	452.78	446.76	318.81	316.18	701.06	695.19	508.03	501.5	NA	NA	NA	NA
1105.89	265.19	265.19	128.56	128.56	62.806	62.81	17.64	17.64	1059.16	1059.16	187.22	182.68	447.25	439.68	316.81	312.37	695.8	686.47	503.4	491.17	NA	NA	NA	NA
1108.05	258.68	258.68	127.23	127.23	62.32	62.32	17.08	17.08	1051.11	1051.11	184.58	181.32	440.76	437.29	312.74	310.35	688.71	683.36	495.98	488.86	NA	NA	NA	NA
1094.78	254.93	254.93	126.68	126.68	62.596	62.6	16.46	16.46	1060.94	1060.94	182.56	179.67	442.34	439.04	312.17	309.2	693.89	685.5	493.04	483.42	NA	NA	NA	NA
1105.34	254.43	254.43	127.27	127.27	62.97	62.97	16.86	16.86	1061.06	1061.06	187.67	183.16	451.92	442.81	317.28	311.55	705.37	693.58	503.62	491.52	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1104.62	251.21	251.21	128.35	128.35	63.1	63.1	17.18	17.18	1072.84	1072.84	188	184.17	450.07	440.27	317.02	311.7	703.81	691.05	504.63	491.54	NA	NA	NA	NA
1121.84	251.65	251.65	128.56	128.56	63.398	63.4	17.33	17.33	1080.55	1080.55	188.26	185.25	455.08	438.45	317.7	313.67	707.15	700.19	506.05	493.5	NA	NA	NA	NA
1121.55	250.33	250.33	128.4	128.4	63.348	63.35	16.61	16.61	1074.65	1074.65	187.28	181.77	469.6	457.23	321.28	312.85	715.78	693.91	515.52	491.02	NA	NA	NA	NA
1125.23	254.88	254.88	129.01	129.01	63.808	63.81	16.97	16.97	1073.01	1073.01	185.21	183.33	466.61	463.08	318.17	316.15	706.12	698.84	508.9	502.37	NA	NA	NA	NA
1130.67	251.78	251.78	128.07	128.07	63.436	63.44	15.85	15.85	1079.77	1079.77	184.94	182.91	471.71	464.55	318.12	314.77	706.2	697.15	505.47	498.64	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1141.45	253.47	253.47	128.18	128.18	63.382	63.38	16.81	16.81	1076.8	1076.8	187.69	182.86	483.34	468.83	326.45	317.86	723.64	702.83	525.43	504.52	NA	NA	NA	NA
1169.13	261.59	261.59	130.46	130.46	64.565	64.56	17.71	17.71	1104.22	1104.22	193.66	185.17	490.68	481.5	329.64	325.11	731.28	722.12	530.87	519.91	NA	NA	NA	NA
1192.67	267.53	267.53	131.44	131.44	64.913	64.91	17.94	17.94	1115.01	1115.01	194.73	191.53	490.7	487.23	330.17	328.06	734.56	730.26	530.67	524.16	NA	NA	NA	NA
1195.19	263.28	263.28	130.79	130.79	64.569	64.57	17.98	17.98	1115.37	1115.37	191.21	189.63	490.63	477.46	330.52	328.27	734.46	726.77	531.49	526.2	NA	NA	NA	NA
1191.3	260.14	260.14	130.34	130.34	64.484	64.48	18.07	18.07	1128.06	1128.06	191.4	189.95	482.74	478.23	328.99	327.84	730.16	724.74	530.62	526.91	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1180.54	261.72	261.72	130.52	130.52	64.636	64.64	18.26	18.26	1127.91	1127.91	190.85	189.47	483.53	477.39	329.04	326.87	733.81	723.5	531.83	526.21	NA	NA	NA	NA
1184.11	259.91	259.91	128.67	128.67	63.462	63.46	18.2	18.2	1127.2	1127.2	193.71	190.09	483.14	479.21	327.69	326.81	725.39	722.3	526.18	520.56	NA	NA	NA	NA
1189.26	263.16	263.16	128.81	128.81	63.565	63.56	18.47	18.47	1130.13	1130.13	194.5	192.54	481.29	477.68	327.68	325.05	723.42	713.44	525.92	514.52	NA	NA	NA	NA
1186.73	259.17	259.17	128.31	128.31	63.196	63.2	18.02	18.02	1116.73	1116.73	192.42	189.06	481.08	475.93	324.52	320.74	714.15	704.62	512.99	505.3	NA	NA	NA	NA
1190.3	259.43	259.43	128.34	128.34	63.413	63.41	18.19	18.19	1123.9	1123.9	192.88	191.32	481.55	476.66	324.32	323.19	716.43	712.21	514.5	508.92	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1180.47	256.53	256.53	127.93	127.93	63.246	63.25	18.08	18.08	1124.85	1124.85	193.16	190.98	481.32	477.27	324.72	322.13	718.98	713.04	511.37	505.1	NA	NA	NA	NA
1167.63	255.26	255.26	126.78	126.78	62.975	62.97	18.08	18.08	1130.93	1130.93	194.7	190.98	482.28	477.46	323.97	321.02	720	709.82	512.22	503.04	NA	NA	NA	NA
1163.46	254.75	254.75	126.22	126.22	62.748	62.75	17.93	17.93	1143.32	1143.32	194.26	193.04	481.88	478.09	322.97	321.87	722.44	718.41	506.4	503.57	NA	NA	NA	NA
1168.61	250.16	250.16	125.74	125.74	62.541	62.54	18.28	18.28	1126.6	1126.6	193.01	191.53	481.98	478.15	322.77	319.82	724.08	718.66	505.34	497.64	NA	NA	NA	NA
1172.24	242.44	242.44	124.83	124.83	62.16	62.16	17.28	17.28	1133.41	1133.41	194.39	192.82	484.38	477.98	321.19	319.64	724.96	719.25	504.37	497.97	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1170.96	241.57	241.57	125	125	62.216	62.22	16.57	16.57	1132.27	1132.27	195.17	192.7	484.93	480.14	321.12	318.37	725.23	718.17	505.2	499.79	NA	NA	NA	NA
1168.9	237.56	237.56	124.02	124.02	61.5	61.5	16.05	16.05	1128.48	1128.48	195.74	193.88	490.8	481.44	322.22	318.73	732.73	718.32	511.09	500.4	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1183.26	236.54	236.54	124.77	124.77	62.644	62.64	15.25	15.25	1138.32	1138.32	194.96	194.44	488.42	483.28	321.18	320.57	727.6	726.48	506.06	505.42	NA	NA	NA	NA
1167.34	234.88	234.88	124.24	124.24	61.723	61.72	15.24	15.24	1138.75	1138.75	196.23	194.09	488.22	482.29	321.2	319.5	729.7	725.98	507.7	505.28	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1152.03	236.48	236.48	124.05	124.05	61.718	61.72	15.25	15.25	1137.14	1137.14	195.37	192.39	485.78	479.03	320.49	317.69	729.31	720.94	506.97	504.13	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1139.35	234.35	234.35	124.18	124.18	61.589	61.59	15.02	15.02	1132.71	1132.71	192.59	191.59	478.56	476.26	317.17	316.28	720.27	719.31	502.28	501.7	NA	NA	NA	NA
1128.4	233.36	233.36	124.07	124.07	61.454	61.45	15.01	15.01	1131.11	1131.11	192.33	190.93	478.8	474.13	316.32	314.33	719.23	711.89	502.34	498.05	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1116.7	232.59	232.59	123.18	123.18	61.129	61.13	14.95	14.95	1122.33	1122.33	191.04	189.01	478.13	474.38	314.35	312.71	712.14	707.23	497.5	492.33	NA	NA	NA	NA
1112.91	232.03	232.03	122.53	122.53	60.923	60.92	14.83	14.83	1115.87	1115.87	189.69	187.97	475.98	471.43	312.49	309.06	709.17	702.55	496.24	488.15	NA	NA	NA	NA
1107.06	227.69	227.69	121.05	121.05	59.751	59.75	14.44	14.44	1091.12	1091.12	186.57	182.98	470.29	465.89	307.58	305.39	700.48	695.5	488.44	482.81	NA	NA	NA	NA
1129.74	228.45	228.45	120.42	120.42	59.437	59.44	13.79	13.79	1082.89	1082.89	183.81	182.47	468.93	464.04	306.36	304.62	698.9	693.91	484.23	480.75	NA	NA	NA	NA
1154.86	228.54	228.54	121.1	121.1	60.115	60.11	14.13	14.13	1090.74	1090.74	184.62	182.57	469.32	460.45	307.24	302.74	699.81	686.7	483.47	472.04	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1147.85	225.2	225.2	120.68	120.68	59.878	59.88	13.94	13.94	1075.9	1075.9	186.26	184.01	462.06	458.65	304.28	302.72	691.36	686.66	478.73	475.04	NA	NA	NA	NA
1148.87	224.25	224.25	120.87	120.87	60.094	60.09	13.7	13.7	1070.6	1070.6	187.25	184.2	466.83	461.77	305.95	303.56	690.37	684.64	480.89	475.84	NA	NA	NA	NA
1187.68	226.63	226.63	121.94	121.94	60.719	60.72	13.97	13.97	1083.65	1083.65	189.3	187.08	472.15	466.97	309.25	306.52	699.24	692.38	485.07	480.43	NA	NA	NA	NA
1198.41	226.37	226.37	123.44	123.44	61.479	61.48	13.72	13.72	1083.76	1083.76	191.21	188.21	475.79	471.39	310.9	307.97	703.14	694.09	489.27	481.49	NA	NA	NA	NA
1191.43	226.57	226.57	123.3	123.3	61.838	61.84	13.88	13.88	1090.15	1090.15	191.95	190.97	476.3	471.31	310.36	308.95	701.94	697.73	491.2	486.38	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1190.05	223.96	223.96	123.25	123.25	61.495	61.5	13.84	13.84	1093.53	1093.53	190.25	187.78	475.63	469.74	309.96	306.78	700.93	693.73	489.02	481.88	NA	NA	NA	NA
1187.62	222.69	222.69	122.98	122.98	61.259	61.26	13.49	13.49	1085.92	1085.92	191.69	189.53	475.44	471.63	310.6	307.46	701.3	694.09	489.24	481.95	NA	NA	NA	NA
1197.56	225.35	225.35	123.91	123.91	61.599	61.6	13.64	13.64	1090.95	1090.95	192.36	190.12	477.37	472.54	312.55	308.68	707.94	693.89	494.65	484.83	NA	NA	NA	NA
1207.45	225.38	225.38	124.01	124.01	61.919	61.92	14.12	14.12	1090.44	1090.44	194.54	191.17	481.78	475.15	316.86	312.02	718.19	704.62	502.77	490.43	NA	NA	NA	NA
1235.72	230.78	230.78	125	125	62.456	62.46	14.89	14.89	1102.19	1102.19	195.04	193.56	485.97	480.05	318.67	316.85	719.45	715.6	503.65	500.11	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1241.48	230.85	230.85	125.61	125.61	62.9	62.9	14.93	14.93	1109.59	1109.59	194.38	193.66	485.56	482.87	318.5	317.39	719.19	711.87	502.41	500.12	NA	NA	NA	NA
1230.46	231	231	125.22	125.22	63.021	63.02	14.93	14.93	1116.94	1116.94	194.61	193.24	487.28	483.21	318.14	316.92	713.72	710.44	503.8	501.09	NA	NA	NA	NA
1229.32	231.68	231.68	125.24	125.24	62.891	62.89	14.64	14.64	1109.98	1109.98	193.07	191.39	487.09	483.8	317.2	315.23	711.26	706.06	502.22	498.25	NA	NA	NA	NA
1227.33	229.15	229.15	124.94	124.94	62.591	62.59	14.56	14.56	1105.73	1105.73	192.73	191.57	488.56	484	316.9	314.98	710.73	706.45	501.11	497.72	NA	NA	NA	NA
1240.34	227.41	227.41	125.05	125.05	62.824	62.82	14.48	14.48	1107.99	1107.99	191.87	190.93	493.96	490.96	317.35	316.09	710.4	705.64	500.99	497.51	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1252.6	222.79	222.79	124.64	124.64	62.529	62.53	14.37	14.37	1095.29	1095.29	190.89	189.11	493.82	487.92	316.82	314.63	710.1	701.49	495.91	491.84	NA	NA	NA	NA
1255.68	221.36	221.36	124.41	124.41	62.618	62.62	14.24	14.24	1094.24	1094.24	188.68	187.03	495.8	491.1	315.47	313.21	707.19	702.89	492.8	487.45	NA	NA	NA	NA
1269.35	218.4	218.4	125.12	125.12	62.681	62.68	14.13	14.13	1104.58	1104.58	188.93	186.4	497.16	490.9	316.46	313.88	709.56	703.19	494.93	489.97	NA	NA	NA	NA
1282.8	215.69	215.69	125.31	125.31	62.954	62.95	14.49	14.49	1104.99	1104.99	189.41	187.4	495.69	491.59	316.46	314.78	708.05	704.26	494.06	490.75	NA	NA	NA	NA
1286.5	213.05	213.05	126.1	126.1	63.579	63.58	14.85	14.85	1109.94	1109.94	189.54	187.41	496.65	490.67	317.81	314.84	709.24	702.21	495.25	485.35	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1303.07	213.67	213.67	125.09	125.09	63.534	63.53	14.84	14.84	1112.12	1112.12	188.7	187.41	494.05	488.84	315.93	314.52	708.52	703.82	486.75	482.74	NA	NA	NA	NA
1292.91	215.2	215.2	124.22	124.22	63.183	63.18	14.92	14.92	1100.78	1100.78	187.69	186.08	493.61	491.22	315.3	313.52	706.42	700.41	486.02	481.23	NA	NA	NA	NA
1280.76	215.12	215.12	123.31	123.31	62.51	62.51	14.75	14.75	1091.95	1091.95	185.55	183.47	491.02	486.53	314.05	310.69	699.46	693.14	482.14	473.79	NA	NA	NA	NA
1289.11	217.98	217.98	124.55	124.55	62.916	62.92	14.92	14.92	1094.05	1094.05	186.92	184.26	493.31	488.29	316.35	313.87	701.47	698.72	485.75	482.49	NA	NA	NA	NA
1304.69	217.9	217.9	125.36	125.36	63.138	63.14	15.18	15.18	1101.19	1101.19	187.22	185.69	494.93	491.63	316.62	315.18	702.93	698.94	486.11	482.91	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1293.38	216.89	216.89	124.82	124.82	63.031	63.03	15.38	15.38	1086.28	1086.28	185.3	183.87	490.64	485.66	315.47	312.24	699.29	693.63	486.12	480.9	NA	NA	NA	NA
1305.79	211.39	211.39	125.6	125.6	63.086	63.09	15.37	15.37	1085.89	1085.89	190.64	186.77	496.94	487.32	320.5	314.98	705.86	695.69	494.02	481.32	NA	NA	NA	NA
1314.11	211.93	211.93	125.37	125.37	62.817	62.82	15.89	15.89	1080.33	1080.33	190.03	186.76	490.56	488.02	316.69	314.82	702.28	697.35	484.75	479.91	NA	NA	NA	NA
1306.04	209.39	209.39	125.53	125.53	62.9	62.9	14.42	14.42	1064.22	1064.22	187.04	185.43	489.61	483.99	315.84	313.15	702.8	694.66	483.76	475.76	NA	NA	NA	NA
1297.89	207.27	207.27	125.2	125.2	62.944	62.94	14.57	14.57	1069.57	1069.57	187.54	185.45	489.85	487.29	315.85	314.78	699.14	695.01	484.57	481.43	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1298.4	220.68	220.68	124.97	124.97	62.759	62.76	14.79	14.79	1070.36	1070.36	187.81	186.14	490.09	484.67	315.46	313.72	695.42	690.92	484.99	480.07	NA	NA	NA	NA
1296.59	221.09	221.09	124.92	124.92	63.117	63.12	14.6	14.6	1071.78	1071.78	186.65	184.22	490.61	484.63	314.98	312.8	695.56	690.15	484.45	477.08	NA	NA	NA	NA
1318.46	222.31	222.31	125.08	125.08	63.056	63.06	14.2	14.2	1064.73	1064.73	187.19	184.19	489.44	483.93	315.5	312.84	697.31	693.66	481.59	472.31	NA	NA	NA	NA
1315.35	220.81	220.81	125.46	125.46	63.7	63.7	14.44	14.44	1062.8	1062.8	184.01	179.01	491.75	487.31	313.64	311.7	698.44	694.36	473.04	468.59	NA	NA	NA	NA
1307.36	218.75	218.75	125.34	125.34	63.467	63.47	13.92	13.92	1066.39	1066.39	182.5	179.23	489.55	486.87	313.75	311.41	697.43	694.23	481.94	469.29	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1312.84	222.22	222.22	125.57	125.57	63.569	63.57	14.47	14.47	1064.9	1064.9	183	181.34	487.1	483.75	313.45	311.97	694.46	687.94	482.54	479.36	NA	NA	NA	NA
1308.06	227.51	227.51	125.15	125.15	63.447	63.45	14.69	14.69	1053.69	1053.69	183.42	181.16	485.14	482.09	313.12	312.14	691.77	686.56	484.79	477.51	NA	NA	NA	NA
1305.21	228.47	228.47	125.29	125.29	63.043	63.04	14.81	14.81	1056.18	1056.18	187.47	185.2	488.02	484.29	312.71	311.22	691.91	686.01	477.02	474.37	NA	NA	NA	NA
1312.11	225.65	225.65	125.47	125.47	62.909	62.91	15.24	15.24	1061.71	1061.71	189.87	186.68	491.64	485.33	314.57	311.96	690.62	681.7	480.18	473.46	NA	NA	NA	NA
1306.31	229.23	229.23	125.91	125.91	62.692	62.69	15.18	15.18	1049.82	1049.82	189.87	187.86	487.7	484.22	312.43	311.15	684.23	680.67	476.4	472.33	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1282.58	228.97	228.97	125.51	125.51	62.969	62.97	14.94	14.94	1014.78	1014.78	188.29	186.72	486.75	481.92	311.19	309.33	683.03	678.62	477.65	472.73	NA	NA	NA	NA
1280.54	224.03	224.03	123.59	123.59	62.67	62.67	15.02	15.02	1007.93	1007.93	189.31	186.89	480.87	474.07	308.71	306.43	679.39	673.74	476.64	471.29	NA	NA	NA	NA
1284.65	219.17	219.17	123.02	123.02	62.254	62.25	14.99	14.99	1013.45	1013.45	190.46	188.16	475.26	469.62	308.58	305.85	678.19	670.37	477.16	472.8	NA	NA	NA	NA
1284.22	219.25	219.25	122.56	122.56	61.803	61.8	14.81	14.81	1012.96	1012.96	190.81	188.07	474.05	471.59	307.86	305.59	676.15	670.17	478.32	471.43	NA	NA	NA	NA
1269.18	216.57	216.57	121.79	121.79	61.399	61.4	14.45	14.45	1013.83	1013.83	187.62	185.94	471.22	468.88	305.06	303.33	669.04	664.15	470.24	467.44	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1271.25	218.44	218.44	121.55	121.55	60.954	60.95	14.64	14.64	1024.16	1024.16	189.77	187.98	472.22	470.08	304.62	303.47	668.67	663.81	471.59	468.79	NA	NA	NA	NA
1265.35	218.47	218.47	121.04	121.04	60.698	60.7	14.6	14.6	1016.27	1016.27	188.84	184.96	469.33	462.18	303.49	299.13	665.61	655.56	470.84	460.68	NA	NA	NA	NA
1259.16	213.49	213.49	119.97	119.97	59.407	59.41	14.12	14.12	995.32	995.32	186.92	182.58	467.96	462.56	299.94	297.56	660.06	652.41	462.7	457.35	NA	NA	NA	NA
1273.85	214.85	214.85	119.7	119.7	59.41	59.41	14.45	14.45	1004.69	1004.69	190.93	188.76	474.1	467.46	302.38	299.85	665.67	660.49	462.87	459.13	NA	NA	NA	NA
1289.29	218.83	218.83	120.43	120.43	59.651	59.65	14.35	14.35	1009.9	1009.9	190.52	188.2	474.04	468.24	302.32	299.8	669.24	659.18	462.4	456.84	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1304.66	221.2	221.2	121.34	121.34	60.084	60.08	14.59	14.59	1026.66	1026.66	191.57	189.87	472.97	471.02	303.48	301.38	671.22	666.05	463.46	454.55	NA	NA	NA	NA
1307.02	221.42	221.42	122.34	122.34	60.058	60.06	14.52	14.52	1035.29	1035.29	193.98	191.46	476.07	470.93	304.5	302.29	677.27	670.23	463.43	459.18	NA	NA	NA	NA
1303.16	223.59	223.59	123.11	123.11	60.352	60.35	14.22	14.22	1040.66	1040.66	192.97	190.77	478.74	472.97	304.97	302.49	679.08	670.71	468.12	458.9	NA	NA	NA	NA
1300.21	225.65	225.65	124	124	60.823	60.82	14.43	14.43	1042.2	1

GREXHi	GREXLo	DAXPHi	DAXPLo
142.0561	142.0561	107.83	107.83
142.3212	142.3212	107.59	107.59
142.3965	142.3965	108.56	108.56
142.3588	142.3588	109.26	109.26
NA	NA	NA	NA
NA	NA	NA	NA
142.3692	142.3692	108.07	108.07
142.3853	142.3853	109.36	109.36
142.5267	142.5267	111.05	111.05
142.5541	142.5541	108.99	108.99
142.4463	142.4463	110.04	110.04
NA	NA	NA	NA
NA	NA	NA	NA
142.4501	142.4501	108.75	108.75
142.4142	142.4142	108.93	108.93
142.3969	142.3969	109.32	109.32
142.3793	142.3793	107.54	107.54
142.5509	142.5509	107.58	107.58
NA	NA	NA	NA
NA	NA	NA	NA
142.5555	142.5555	105.6	105.6
142.2877	142.2877	107.94	107.94
142.2472	142.2472	109.11	109.11
142.0838	142.0838	108.9	108.9
142.2261	142.2261	108.56	108.56
NA	NA	NA	NA
NA	NA	NA	NA
142.2397	142.2397	107.05	107.05
142.1487	142.1487	107.43	107.43
142.0641	142.0641	107.47	107.47
142.0253	142.0253	108.03	108.03
142.0852	142.0852	106.97	106.97
NA	NA	NA	NA
NA	NA	NA	NA
142.2104	142.2104	107.8	107.8
142.1166	142.1166	106.63	106.63
141.9873	141.9873	107.28	107.28
141.8287	141.8287	106.17	106.17
141.8717	141.8717	104.59	104.59
NA	NA	NA	NA
NA	NA	NA	NA
141.7837	141.7837	104.07	104.07
142.3432	142.3432	101.03	101.03
142.4306	142.4306	102.88	102.88
142.5197	142.5197	100.04	100.04
142.4804	142.4804	106.97	106.97
NA	NA	NA	NA
NA	NA	NA	NA
142.3498	142.3498	109.37	109.37
142.2597	142.2597	109.24	109.24
141.6356	141.6356	109.78	109.78
141.6849	141.6849	108.07	108.07
141.9421	141.9421	107.84	107.84
NA	NA	NA	NA
NA	NA	NA	NA
142.0519	142.0519	108.2	108.2
142.1129	142.1129	105.34	105.34
142.1635	142.1635	107.05	107.05
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
141.8351	141.8351	105.36	105.36
141.7575	141.7575	106.21	106.21
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
141.6911	141.6911	107.52	107.52
141.7112	141.7112	108.38	108.38
141.6011	141.6011	109.5	109.5
141.7398	141.7398	109.3	109.3
141.6395	141.6395	109.97	109.97
NA	NA	NA	NA
NA	NA	NA	NA
141.6446	141.6446	109.33	109.33
141.4671	141.4671	109.92	109.92
141.7356	141.7356	109.36	109.36
141.576	141.576	106.62	106.62
141.7654	141.7654	106.32	106.32
NA	NA	NA	NA
NA	NA	NA	NA
141.7969	141.7969	107.62	107.62
141.8326	141.8326	103.07	103.07
141.8348	141.8348	105.41	105.41
141.5968	141.5968	106.35	106.35
141.3857	141.3857	110.53	110.53
NA	NA	NA	NA
NA	NA	NA	NA
141.4703	141.4703	109.9	109.9
141.3665	141.3665	113.57	113.57
141.3148	141.3148	114.7	114.7
141.2531	141.2531	114.07	114.07
141.1905	141.1905	114.57	114.57
NA	NA	NA	NA
NA	NA	NA	NA
141.237	141.237	112	112
141.1831	141.1831	110.42	110.42
141.1341	141.1341	110.7	110.7
141.2274	141.2274	110.77	110.77
141.0856	141.0856	112.53	112.53
NA	NA	NA	NA
NA	NA	NA	NA
141.1809	141.1809	112.85	112.85
141.2847	141.2847	111.44	111.44
140.9944	140.9944	111.9	111.9
141.0518	141.0518	112.94	112.94
141.0543	141.0543	112.52	112.52
NA	NA	NA	NA
NA	NA	NA	NA
140.7812	140.7812	115.28	115.28
140.603	140.603	115.44	115.44
140.8462	140.8462	116.91	116.91
140.9258	140.9258	115.9	115.9
140.813	140.813	115.03	115.03
NA	NA	NA	NA
NA	NA	NA	NA
140.7822	140.7822	114.24	114.24
140.9115	140.9115	113.56	113.56
141.1071	141.1071	113.81	113.81
141.0436	141.0436	111.97	111.97
141.2146	141.2146	110.3	110.3
NA	NA	NA	NA
NA	NA	NA	NA
141.2179	141.2179	109.34	109.34
140.9889	140.9889	110.54	110.54
141.0018	141.0018	109.91	109.91
140.7736	140.7736	109.56	109.56
140.527	140.527	113.52	113.52
NA	NA	NA	NA
NA	NA	NA	NA
140.9772	140.9772	112.98	112.98
140.4917	140.4917	115.47	115.47
140.4846	140.4846	114.86	114.86
140.2959	140.2959	113	113
140.3921	140.3921	111	111
NA	NA	NA	NA
NA	NA	NA	NA
140.1162	140.1162	110.31	110.31
140.2837	140.2837	110	110
139.9612	139.9612	111.77	111.77
139.8866	139.8866	113.13	113.13
140.0695	140.0695	112.24	112.24
NA	NA	NA	NA
NA	NA	NA	NA
139.9417	139.9417	114.78	114.78
140.0709	140.0709	116.08	116.08
NA	NA	NA	NA
140.7691	140.7691	116.58	116.58
140.264	140.264	116.98	116.98
NA	NA	NA	NA
NA	NA	NA	NA
140.3401	140.3401	117.27	117.27
140.1261	140.1261	118.69	118.69
140.0124	140.0124	119.66	119.66
140.1439	140.1439	119.05	119.05
140.4687	140.4687	118.1	118.1
NA	NA	NA	NA
NA	NA	NA	NA
140.5418	140.5418	119.47	119.47
140.4425	140.4425	117.89	117.89
140.3901	140.3901	117.32	117.32
140.6332	140.6332	117.19	117.19
140.6338	140.6338	116.98	116.98
NA	NA	NA	NA
NA	NA	NA	NA

140.7705	140.7705	116.27	116.27
140.8928	140.8928	115.31	115.31
140.8646	140.8646	113.21	113.21
140.8719	140.8719	113.93	113.93
140.938	140.938	115.28	115.28
NA	NA	NA	NA
NA	NA	NA	NA
141.2157	141.2157	119.36	119.36
141.0712	141.0712	120.42	120.42
141.1658	141.1658	121.2	121.2
141.327	141.327	122.58	122.58
141.3775	141.3775	123.44	123.44
NA	NA	NA	NA
NA	NA	NA	NA
141.2408	141.2408	123.98	123.98
141.0164	141.0164	124.41	124.41
141.0716	141.0716	125.46	125.46
141.2077	141.2077	126.41	126.41
141.211	141.211	127.55	127.55
NA	NA	NA	NA
NA	NA	NA	NA
141.3782	141.3782	126.53	126.53
141.3256	141.3256	126.74	126.74
141.5079	141.5079	126.36	126.36
141.5938	141.5938	125.01	125.01
141.6877	141.6877	124.69	124.69
NA	NA	NA	NA
NA	NA	NA	NA
141.7553	141.7553	122.79	122.79
141.653	141.653	122.97	122.97
141.5526	141.5526	121.84	121.84
141.5454	141.5454	124.15	124.15
141.5883	141.5883	124.16	124.16
NA	NA	NA	NA
NA	NA	NA	NA
141.4336	141.4336	124.24	124.24
141.1452	141.1452	126.66	126.66
141.0684	141.0684	127.46	127.46
141.0549	141.0549	122.38	122.38
141.0171	141.0171	120.56	120.56
NA	NA	NA	NA
NA	NA	NA	NA
140.9265	140.9265	118.56	118.56
140.6428	140.6428	118.12	118.12
140.6642	140.6642	119.33	119.33
140.8304	140.8304	121.01	121.01
140.8664	140.8664	121.48	121.48
NA	NA	NA	NA
NA	NA	NA	NA
141.0732	141.0732	123.12	123.12
141.1044	141.1044	120.15	120.15
141.2634	141.2634	121.82	121.82
141.1098	141.1098	122.16	122.16
141.2608	141.2608	121.52	121.52
NA	NA	NA	NA
NA	NA	NA	NA
141.5584	141.5584	122.71	122.71
141.4798	141.4798	122.77	122.77
141.5619	141.5619	122.82	122.82
141.4457	141.4457	120.98	120.98
141.5063	141.5063	120.97	120.97
NA	NA	NA	NA
NA	NA	NA	NA
141.6316	141.6316	120.74	120.74
141.3734	141.3734	120	120
141.4653	141.4653	120.08	120.08
141.3611	141.3611	121.15	121.15
141.4335	141.4335	121.77	121.77
NA	NA	NA	NA
NA	NA	NA	NA
141.507	141.507	120.75	120.75
141.2822	141.2822	120.77	120.77
141.5808	141.5808	119.2	119.2
141.4541	141.4541	119.73	119.73
141.5243	141.5243	118.56	118.56
NA	NA	NA	NA
NA	NA	NA	NA
141.2907	141.2907	119.22	119.22
141.4998	141.4998	119.15	119.15
141.5167	141.5167	119.28	119.28
141.3771	141.3771	119.7	119.7
141.4699	141.4699	120.48	120.48
NA	NA	NA	NA
NA	NA	NA	NA
141.353	141.353	122.74	122.74
141.317	141.317	123.45	123.45
141.133	141.133	124.13	124.13
141.3099	141.3099	124.33	124.33
141.0223	141.0223	124.3	124.3
NA	NA	NA	NA
NA	NA	NA	NA
140.9794	140.9794	125.54	125.54
140.2845	140.2845	125.78	125.78
140.4599	140.4599	124.85	124.85
140.2698	140.2698	125.1	125.1
140.5624	140.5624	125.38	125.38
NA	NA	NA	NA
NA	NA	NA	NA
140.8765	140.8765	124.08	124.08
140.2665	140.2665	123.5	123.5
140.8068	140.8068	125.01	125.01
140.945	140.945	124.21	124.21
140.9516	140.9516	124.23	124.23
NA	NA	NA	NA
NA	NA	NA	NA
141.0646	141.0646	124.5	124.5
141.1118	141.1118	121.96	121.96
141.6476	141.6476	121.15	121.15
142.262	142.262	122.35	122.35
141.0184	141.0184	124.09	124.09
NA	NA	NA	NA
NA	NA	NA	NA
140.675	140.675	124.84	124.84
140.2134	140.2134	125.9	125.9
140.3586	140.3586	125.36	125.36
140.0179	140.0179	126.19	126.19
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
139.586	139.586	126.1	126.1
139.5521	139.5521	126.05	126.05
139.6073	139.6073	125.82	125.82
139.5768	139.5768	127.69	127.69
139.6787	139.6787	132.16	132.16
NA	NA	NA	NA
NA	NA	NA	NA
140.0225	140.0225	131.64	131.64
139.9567	139.9567	131.85	131.85
139.8231	139.8231	131.3	131.3
140.0666	140.0666	131.26	131.26
140.0718	140.0718	132.86	132.86
NA	NA	NA	NA
NA	NA	NA	NA
140.0915	140.0915	131.75	131.75
139.9442	139.9442	131.28	131.28
139.8263	139.8263	133.64	133.64
NA	NA	NA	NA
139.8521	139.8521	134.05	134.05
NA	NA	NA	NA
NA	NA	NA	NA
139.9102	139.9102	132.9	132.9
139.6769	139.6769	132.31	132.31
139.5066	139.5066	131.2	131.2
139.6013	139.6013	132.54	132.54
139.5428	139.5428	132.29	132.29
NA	NA	NA	NA
NA	NA	NA	NA
139.7629	139.7629	131.86	131.86
139.9242	139.9242	131.68	131.68
140.2996	140.2996	131.49	131.49
140.1634	140.1634	132.04	132.04
140.0703	140.0703	132.7	132.7
NA	NA	NA	NA
NA	NA	NA	NA
140.1794	140.1794	131.47	131.47
140.2676	140.2676	131.19	131.19
140.211	140.211	130.28	130.28
140.2642	140.2642	129.9	129.9
140.3162	140.3162	131.31	131.31
NA	NA	NA	NA
NA	NA	NA	NA
140.28	140.28	132.17	132.17
140.1963	140.1963	133.29	133.29
140.3878	140.3878	131.56	131.56
140.4252	140.4252	132.68	132.68
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

NA	NA	NA	NA
140.3588	140.3588	134.15	134.15
140.4794	140.4794	135.24	135.24
140.2526	140.2526	136.33	136.33
140.1413	140.1413	135.72	135.72
NA	NA	NA	NA
NA	NA	NA	NA
140.2429	140.2429	135.69	135.69
140.0868	140.0868	137.63	137.63
139.8231	139.8231	138.6	138.6
139.8927	139.8927	137.98	137.98
139.9845	139.9845	137.97	137.97
NA	NA	NA	NA
NA	NA	NA	NA
140.0107	140.0107	139.63	139.63
139.8797	139.8797	140.18	140.18
139.6991	139.6991	139.83	139.83
139.6809	139.6809	140.14	140.14
139.571	139.571	142.91	142.91
NA	NA	NA	NA
NA	NA	NA	NA
139.455	139.455	142.41	142.41
139.2854	139.2854	142.9	142.9
139.3032	139.3032	140.24	140.24
139.4511	139.4511	139.37	139.37
139.5154	139.5154	139.22	139.22
NA	NA	NA	NA
NA	NA	NA	NA
139.6151	139.6151	136.98	136.98
139.5082	139.5082	140	140
139.2365	139.2365	141.98	141.98
139.195	139.195	143.08	143.08
139.2883	139.2883	142.74	142.74
NA	NA	NA	NA
NA	NA	NA	NA
139.2369	139.2369	142.09	142.09
139.0259	139.0259	142.59	142.59
139.0541	139.0541	147.6	147.6
138.8221	138.8221	148.61	148.61
138.8829	138.8829	146.81	146.81
NA	NA	NA	NA
NA	NA	NA	NA
138.8012	138.8012	145.27	145.27
138.5742	138.5742	143.8	143.8
138.8843	138.8843	145.69	145.69
138.8977	138.8977	143.53	143.53
138.6841	138.6841	145.29	145.29
NA	NA	NA	NA
NA	NA	NA	NA
138.7768	138.7768	143.12	143.12
138.7686	138.7686	142.73	142.73
139.1528	139.1528	147.4	147.4
139.2299	139.2299	142.41	142.41
138.8889	138.8889	147.87	147.87
NA	NA	NA	NA
NA	NA	NA	NA
138.8411	138.8411	148.34	148.34
138.8891	138.8891	148.94	148.94
139.1884	139.1884	150.22	150.22
139.1641	139.1641	148.46	148.46
139.153	139.153	150.39	150.39
NA	NA	NA	NA
NA	NA	NA	NA
139.619	139.619	151.68	151.68
139.8514	139.8514	150.83	150.83
139.8732	139.8732	150.79	150.79
140.0416	140.0416	151.48	151.48
139.8753	139.8753	152.49	152.49
NA	NA	NA	NA
NA	NA	NA	NA
139.9078	139.9078	152.49	152.49
139.8128	139.8128	149.59	149.59
139.9977	139.9977	148.87	148.87
139.9749	139.9749	151.09	151.09
139.9401	139.9401	151.75	151.75
NA	NA	NA	NA
NA	NA	NA	NA
139.8627	139.8627	151.02	151.02
140.3736	140.3736	152.46	152.46
140.2965	140.2965	148.33	148.33
140.5091	140.5091	146.73	146.73
140.5095	140.5095	143.78	143.78
NA	NA	NA	NA
NA	NA	NA	NA
140.4998	140.4998	142.56	142.56
140.402	140.402	142.62	142.62
140.4943	140.4943	144.17	144.17
140.478	140.478	140.2	140.2
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
140.5295	140.5295	139.74	139.74
140.5887	140.5887	139.7	139.7
140.6588	140.6588	138.79	138.79
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
140.6661	140.6661	137.89	137.89
140.6751	140.6751	137.52	137.52
140.9622	140.9622	137.35	137.35
141.3881	141.3881	137.39	137.39
141.4738	141.4738	138.05	138.05
NA	NA	NA	NA
NA	NA	NA	NA
141.5895	141.5895	137.27	137.27
141.4766	141.4766	136.55	136.55
141.4616	141.4616	137.32	137.32
141.5951	141.5951	137.58	137.58
141.7233	141.7233	137.63	137.63
NA	NA	NA	NA
NA	NA	NA	NA
141.6911	141.6911	138.12	138.12
141.7613	141.7613	137.98	137.98
141.7552	141.7552	136.62	136.62
141.5621	141.5621	135.19	135.19
141.4715	141.4715	135.14	135.14
NA	NA	NA	NA
NA	NA	NA	NA
141.4541	141.4541	133.87	133.87
141.2303	141.2303	134.32	134.32
141.332	141.332	136.18	136.18
141.5609	141.5609	135.17	135.17
141.3731	141.3731	134.66	134.66
NA	NA	NA	NA
NA	NA	NA	NA
141.3297	141.3297	133.32	133.32
141.4579	141.4579	132.36	132.36
141.37	141.37	130.46	130.46
141.6301	141.6301	130.4	130.4
141.5627	141.5627	128.4	128.4
NA	NA	NA	NA
NA	NA	NA	NA
141.463	141.463	128.85	128.85
141.3967	141.3967	128.36	128.36
141.6	141.6	127.35	127.35
141.3522	141.3522	128.37	128.37
141.5071	141.5071	128.49	128.49
NA	NA	NA	NA
NA	NA	NA	NA
141.473	141.473	130.35	130.35
141.8487	141.8487	130.63	130.63
141.9055	141.9055	131.39	131.39
141.768	141.768	132.22	132.22
141.8049	141.8049	132.23	132.23
NA	NA	NA	NA
NA	NA	NA	NA
141.6593	141.6593	133.85	133.85
141.5385	141.5385	132.53	132.53
141.6606	141.6606	131.59	131.59
NA	NA	NA	NA
141.6313	141.6313	129.89	129.89
NA	NA	NA	NA
NA	NA	NA	NA
141.4927	141.4927	131.68	131.68
141.0319	141.0319	129.86	129.86
140.9816	140.9816	128.75	128.75
141.111	141.111	128.6	128.6
141.3268	141.3268	128.64	128.64
NA	NA	NA	NA
NA	NA	NA	NA
141.2929	141.2929	129.56	129.56
141.5079	141.5079	129.22	129.22
141.6198	141.6198	131.84	131.84
141.7275	141.7275	130.69	130.69
141.5695	141.5695	130.4	130.4
NA	NA	NA	NA
NA	NA	NA	NA

141.3914	141.3914	130.4	130.4
141.2055	141.2055	129.98	129.98
141.187	141.187	130.75	130.75
141.2345	141.2345	130.14	130.14
141.1711	141.1711	131	131
NA	NA	NA	NA
NA	NA	NA	NA
140.9836	140.9836	131	131
141.1645	141.1645	130.52	130.52
141.2795	141.2795	131.47	131.47
NA	NA	NA	NA
141.1644	141.1644	130.97	130.97
NA	NA	NA	NA
NA	NA	NA	NA
141.2059	141.2059	131.49	131.49
140.9421	140.9421	127.61	127.61
141.1003	141.1003	126.48	126.48
141.4656	141.4656	126.81	126.81
141.3631	141.3631	126.47	126.47
NA	NA	NA	NA
NA	NA	NA	NA
141.0679	141.0679	126.23	126.23
141.0429	141.0429	126.34	126.34
141.2837	141.2837	125.91	125.91
141.2092	141.2092	125.06	125.06
141.3204	141.3204	125.14	125.14
NA	NA	NA	NA
NA	NA	NA	NA
141.4588	141.4588	122.11	122.11
141.5617	141.5617	121.61	121.61
141.6547	141.6547	120.31	120.31
141.858	141.858	120.93	120.93
142.0314	142.0314	119.73	119.73
NA	NA	NA	NA
NA	NA	NA	NA
142.069	142.069	119.53	119.53
141.8195	141.8195	119.19	119.19
141.9904	141.9904	118.82	118.82
141.8212	141.8212	118.61	118.61
141.8941	141.8941	119.15	119.15
NA	NA	NA	NA
NA	NA	NA	NA
141.8827	141.8827	120.04	120.04
141.8499	141.8499	119.9	119.9
141.9337	141.9337	119.11	119.11
142.108	142.108	118.43	118.43
141.7158	141.7158	119.09	119.09
NA	NA	NA	NA
NA	NA	NA	NA
141.6054	141.6054	119.54	119.54
141.6641	141.6641	119.6	119.6
141.4757	141.4757	119.54	119.54
141.4856	141.4856	119.45	119.45
141.4966	141.4966	119.81	119.81
NA	NA	NA	NA
NA	NA	NA	NA
141.5298	141.5298	120.16	120.16
141.31	141.31	120.2	120.2
141.2014	141.2014	121.5	121.5
141.3953	141.3953	119.87	119.87
141.3647	141.3647	120.35	120.35
NA	NA	NA	NA
NA	NA	NA	NA
141.5983	141.5983	119.13	119.13
141.296	141.296	122.25	122.25
141.2861	141.2861	122.42	122.42
141.1445	141.1445	121.47	121.47
141.023	141.023	121.84	121.84
NA	NA	NA	NA
NA	NA	NA	NA
141.194	141.194	121.54	121.54
141.0193	141.0193	121.99	121.99
141.0535	141.0535	121.54	121.54
140.8244	140.8244	119.87	119.87
140.7789	140.7789	118.05	118.05
NA	NA	NA	NA
NA	NA	NA	NA
140.6338	140.6338	117.66	117.66
140.8906	140.8906	118.63	118.63
140.6705	140.6705	117.66	117.66
140.9189	140.9189	119.42	119.42
140.9901	140.9901	117.38	117.38
NA	NA	NA	NA
NA	NA	NA	NA
140.9012	140.9012	117.27	117.27
140.6243	140.6243	118.67	118.67
140.6719	140.6719	117.58	117.58
140.6042	140.6042	117.2	117.2
140.4634	140.4634	116.48	116.48
NA	NA	NA	NA
NA	NA	NA	NA
140.4337	140.4337	117.25	117.25
140.5114	140.5114	117.52	117.52
140.3296	140.3296	116.97	116.97
140.1649	140.1649	116.16	116.16
140.3273	140.3273	116.52	116.52
NA	NA	NA	NA
NA	NA	NA	NA
140.1923	140.1923	116.06	116.06
140.5103	140.5103	115.6	115.6
140.6761	140.6761	116.96	116.96
140.7517	140.7517	117.09	117.09
140.7016	140.7016	117.39	117.39
NA	NA	NA	NA
NA	NA	NA	NA
140.7891	140.7891	117.07	117.07
140.8999	140.8999	116.19	116.19
141.0498	141.0498	117.28	117.28
141.573	141.573	117.86	117.86
141.8182	141.8182	119.39	119.39
NA	NA	NA	NA
NA	NA	NA	NA
141.7735	141.7735	119.4	119.4
141.783	141.783	118.39	118.39
141.9549	141.9549	118.37	118.37
141.8861	141.8861	119.06	119.06
141.8338	141.8338	119.54	119.54
NA	NA	NA	NA
NA	NA	NA	NA
141.6208	141.6208	119.41	119.41
141.9375	141.9375	118.92	118.92
141.9659	141.9659	120.05	120.05
141.9824	141.9824	120.03	120.03
142.1547	142.1547	119.68	119.68
NA	NA	NA	NA
NA	NA	NA	NA
142.1032	142.1032	120.83	120.83
141.9716	141.9716	120.92	120.92
142.1396	142.1396	121.5	121.5
142.0923	142.0923	121.67	121.67
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
142.0062	142.0062	122.16	122.16
141.9596	141.9596	121.45	121.45
141.9476	141.9476	119.84	119.84
141.9891	141.9891	120.22	120.22
141.8079	141.8079	118.55	118.55
NA	NA	NA	NA
NA	NA	NA	NA
141.7091	141.7091	120.39	120.39
141.5856	141.5856	120.9	120.9
141.3856	141.3856	120.06	120.06
141.2689	141.2689	119.55	119.55
141.4926	141.4926	119.01	119.01
NA	NA	NA	NA
NA	NA	NA	NA
141.5684	141.5684	117.73	117.73
141.7153	141.7153	116.08	116.08
141.1817	141.1817	116.08	116.08
141.0674	141.0674	116.16	116.16
141.1831	141.1831	116.26	116.26
NA	NA	NA	NA
NA	NA	NA	NA
141.2085	141.2085	116.16	116.16
140.9305	140.9305	114.53	114.53
141.1779	141.1779	117.61	117.61
141.0931	141.0931	114.22	114.22
141.3241	141.3241	113.73	113.73
NA	NA	NA	NA
NA	NA	NA	NA
141.548	141.548	113.54	113.54
141.6212	141.6212	112.08	112.08
141.8599	141.8599	113.09	113.09
141.8458	141.8458	112.35	112.35
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA

141.8748	141.8748	111.5	111.5
141.6717	141.6717	110.9	110.9
141.6043	141.6043	111.04	111.04
141.5715	141.5715	110.63	110.63
141.6381	141.6381	111.1	111.1
NA	NA	NA	NA
NA	NA	NA	NA
142.4516	142.4516	110.61	110.61
142.3716	142.3716	110.87	110.87
142.8124	142.8124	111.43	111.43
142.9101	142.9101	111.28	111.28
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
142.9821	142.9821	110.8	110.8
142.781	142.781	110.18	110.18
142.6809	142.6809	109.26	109.26
142.6186	142.6186	110.2	110.2
NA	NA	NA	NA
NA	NA	NA	NA
142.3864	142.3864	109.25	109.25
142.3457	142.3457	108.56	108.56
142.3154	142.3154	108.12	108.12
142.423	142.423	108	108
142.0756	142.0756	107.26	107.26
NA	NA	NA	NA
NA	NA	NA	NA
141.9265	141.9265	106.88	106.88
142.0175	142.0175	106.66	106.66
141.673	141.673	106.85	106.85
141.6709	141.6709	106.39	106.39
141.7243	141.7243	106.34	106.34
NA	NA	NA	NA
NA	NA	NA	NA
141.5336	141.5336	107.04	107.04
141.7129	141.7129	107.41	107.41
141.6719	141.6719	106.87	106.87
141.298	141.298	109.39	109.39
141.4938	141.4938	109.34	109.34
NA	NA	NA	NA
NA	NA	NA	NA
141.3237	141.3237	109.78	109.78
141.6443	141.6443	109.61	109.61
141.6473	141.6473	109.28	109.28
141.3672	141.3672	109.48	109.48
141.528	141.528	111.23	111.23
NA	NA	NA	NA
NA	NA	NA	NA
141.7554	141.7554	109.72	109.72
142.0746	142.0746	109.41	109.41
142.4381	142.4381	109.67	109.67
142.5787	142.5787	109.58	109.58
142.3743	142.3743	109.92	109.92
NA	NA	NA	NA
NA	NA	NA	NA
142.663	142.663	109.11	109.11
142.7875	142.7875	109.4	109.4
143.099	143.099	108.89	108.89
143.3194	143.3194	108.97	108.97
143.4324	143.4324	108.81	108.81
NA	NA	NA	NA
NA	NA	NA	NA
143.3746	143.3746	108.54	108.54
142.9773	142.9773	108.64	108.64
142.9698	142.9698	110.53	110.53
142.6124	142.6124	110.43	110.43
142.5952	142.5952	109.93	109.93
NA	NA	NA	NA
NA	NA	NA	NA
142.6041	142.6041	109.34	109.34
142.2244	142.2244	109.56	109.56
142.2092	142.2092	109.17	109.17
142.3771	142.3771	108.81	108.81
142.3658	142.3658	107.88	107.88
NA	NA	NA	NA
NA	NA	NA	NA
142.4052	142.4052	107.19	107.19
142.461	142.461	106.33	106.33
142.2844	142.2844	107.09	107.09
142.2257	142.2257	107.34	107.34
141.9184	141.9184	107.18	107.18
NA	NA	NA	NA
NA	NA	NA	NA
141.6514	141.6514	106.86	106.86
141.5406	141.5406	106.53	106.53
141.4638	141.4638	106.55	106.55
141.3262	141.3262	105.16	105.16
141.2775	141.2775	105.66	105.66
NA	NA	NA	NA
NA	NA	NA	NA
141.3623	141.3623	105.47	105.47
141.2595	141.2595	105.24	105.24
141.5834	141.5834	105.65	105.65
141.9333	141.9333	105.17	105.17
141.7967	141.7967	104.22	104.22
NA	NA	NA	NA
NA	NA	NA	NA
141.8785	141.8785	102.85	102.85
141.9974	141.9974	102.44	102.44
142.3393	142.3393	102.46	102.46
142.592	142.592	101.59	101.59
142.3731	142.3731	101.39	101.39
NA	NA	NA	NA
NA	NA	NA	NA
142.1678	142.1678	101.7	101.7
142.1368	142.1368	100.66	100.66
141.8877	141.8877	101.19	101.19
141.9442	141.9442	100.42	100.42
141.8786	141.8786	100.12	100.12
NA	NA	NA	NA
NA	NA	NA	NA
141.9991	141.9991	99.69	99.69
142.0503	142.0503	99.7	99.7
142.058	142.058	98.63	98.63
142.2112	142.2112	98.57	98.57
142.5861	142.5861	97.95	97.95
NA	NA	NA	NA
NA	NA	NA	NA
142.5047	142.5047	97.13	97.13
142.4591	142.4591	97.02	97.02
142.4853	142.4853	96.91	96.91
142.2535	142.2535	97.36	97.36
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
142.0313	142.0313	97.02	97.02
142.011	142.011	96.28	96.28
142.1127	142.1127	97.31	97.31
142.1687	142.1687	95.42	95.42
141.9625	141.9625	96.11	96.11
NA	NA	NA	NA
NA	NA	NA	NA
141.9503	141.9503	96.07	96.07
141.7209	141.7209	96.31	96.31
141.851	141.851	96.16	96.16
141.6567	141.6567	96.87	96.87
141.5758	141.5758	96.07	96.07
NA	NA	NA	NA
NA	NA	NA	NA
141.6556	141.6556	96.25	96.25
141.318	141.318	95.86	95.86
141.5376	141.5376	96.83	96.83
141.6749	141.6749	96.27	96.27
141.8106	141.8106	94.77	94.77
NA	NA	NA	NA
NA	NA	NA	NA
141.7835	141.7835	95.26	95.26
141.8703	141.8703	95.36	95.36
142.3669	142.3669	96.12	96.12
142.4264	142.4264	95.77	95.77
142.3382	142.3382	95.79	95.79
NA	NA	NA	NA
NA	NA	NA	NA
142.1743	142.1743	96.44	96.44
142.0813	142.0813	97.43	97.43
142.2465	142.2465	96.55	96.55
142.0402	142.0402	96.17	96.17
141.715	141.715	95.6	95.6
NA	NA	NA	NA
NA	NA	NA	NA
141.577	141.577	96.22	96.22
141.6972	141.6972	95.47	95.47
141.5363	141.5363	96.42	96.42
141.738	141.738	96.59	96.59
141.4654	141.4654	96.68	96.68
NA	NA	NA	NA
NA	NA	NA	NA

141.7101	141.7101	97.15	97.15
142.1882	142.1882	96.71	96.71
142.5823	142.5823	96.26	96.26
142.6807	142.6807	96.81	96.81
142.6625	142.6625	96.84	96.84
NA	NA	NA	NA
NA	NA	NA	NA
142.6788	142.6788	96.68	96.68
142.6041	142.6041	96.64	96.64
142.8084	142.8084	98.42	98.42
142.4228	142.4228	98.31	98.31
142.586	142.586	98.66	98.66
NA	NA	NA	NA
NA	NA	NA	NA
142.5595	142.5595	99.27	99.27
142.7505	142.7505	99.88	99.88
143.212	143.212	100.79	100.79
143.3771	143.3771	101.13	101.13
143.5525	143.5525	101.11	101.11
NA	NA	NA	NA
NA	NA	NA	NA
143.5235	143.5235	101.02	101.02
143.3414	143.3414	101.25	101.25
143.445	143.445	100.27	100.27
143.2671	143.2671	99.49	99.49
143.1191	143.1191	99.19	99.19
NA	NA	NA	NA
NA	NA	NA	NA
143.2484	143.2484	98.9	98.9
143.3476	143.3476	99.48	99.48
143.3589	143.3589	99.36	99.36
143.354	143.354	99.49	99.49
143.4076	143.4076	99.7	99.7
NA	NA	NA	NA
NA	NA	NA	NA
143.3864	143.3864	100.27	100.27
143.8108	143.8108	100.25	100.25
143.8343	143.8343	100.89	100.89
144.1359	144.1359	101.24	101.24
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
144.4708	144.4708	100.16	100.16
144.2794	144.2794	101.26	101.26
144.3593	144.3593	101.06	101.06
144.361	144.361	99.95	99.95
144.1109	144.1109	100.91	100.91
NA	NA	NA	NA
NA	NA	NA	NA
144.0287	144.0287	101.18	101.18
143.8324	143.8324	99.83	99.83
143.6859	143.6859	100.5	100.5
143.7182	143.7182	99.56	99.56
143.6588	143.6588	99.85	99.85
NA	NA	NA	NA
NA	NA	NA	NA
143.7847	143.7847	99.68	99.68
143.4206	143.4206	99.45	99.45
143.3582	143.3582	99.45	99.45
143.558	143.558	99.83	99.83
143.365	143.365	100.1	100.1
NA	NA	NA	NA
NA	NA	NA	NA
143.8274	143.8274	100.7	100.7
144.3268	144.3268	100.92	100.92
144.3778	144.3778	101.51	101.51
144.0944	144.0944	101.13	101.13
144.0967	144.0967	101.98	101.98
NA	NA	NA	NA
NA	NA	NA	NA
144.2195	144.2195	101.92	101.92
144.0798	144.0798	100.94	100.94
144.3035	144.3035	102.33	102.33
144.2531	144.2531	101.67	101.67
144.1107	144.1107	100.95	100.95
NA	NA	NA	NA
NA	NA	NA	NA
144.1911	144.1911	100.51	100.51
144.2499	144.2499	100.69	100.69
144.2745	144.2745	100.28	100.28
144.2313	144.2313	100.89	100.89
144.0864	144.0864	101.52	101.52
NA	NA	NA	NA
NA	NA	NA	NA
144.2693	144.2693	100.82	100.82
144.1324	144.1324	100.86	100.86
144.016	144.016	100.49	100.49
144.2793	144.2793	100.76	100.76
144.3838	144.3838	100.81	100.81
NA	NA	NA	NA
NA	NA	NA	NA
144.3266	144.3266	100.37	100.37
144.4329	144.4329	100.83	100.83
144.2989	144.2989	100.83	100.83
144.1791	144.1791	100.44	100.44
144.1319	144.1319	99.92	99.92
NA	NA	NA	NA
NA	NA	NA	NA
144.2808	144.2808	99.54	99.54
144.0097	144.0097	99.4	99.4
143.9757	143.9757	99.21	99.21
144.0798	144.0798	99.28	99.28
144.3414	144.3414	99.61	99.61
NA	NA	NA	NA
NA	NA	NA	NA
144.055	144.055	99.98	99.98
144.1777	144.1777	100.07	100.07
144.0112	144.0112	99.87	99.87
143.9929	143.9929	98.61	98.61
143.7806	143.7806	99.56	99.56
NA	NA	NA	NA
NA	NA	NA	NA
143.8381	143.8381	99.35	99.35
143.8076	143.8076	100.32	100.32
143.995	143.995	101.09	101.09
144.0197	144.0197	100.41	100.41
143.9456	143.9456	100.91	100.91
NA	NA	NA	NA
NA	NA	NA	NA
144.0008	144.0008	100.51	100.51
144.1796	144.1796	99.9	99.9
144.1069	144.1069	100.83	100.83
144.1214	144.1214	100.05	100.05
144.4993	144.4993	98.46	98.46
NA	NA	NA	NA
NA	NA	NA	NA
144.3194	144.3194	98.44	98.44
144.2629	144.2629	97.88	97.88
144.44	144.44	96.71	96.71
144.1871	144.1871	98.09	98.09
143.9263	143.9263	98.92	98.92
NA	NA	NA	NA
NA	NA	NA	NA
143.929	143.929	99.12	99.12
143.7445	143.7445	97.85	97.85
143.8801	143.8801	96.65	96.65
143.7559	143.7559	95.44	95.44
143.7893	143.7893	95.31	95.31
NA	NA	NA	NA
NA	NA	NA	NA
143.6805	143.6805	97.13	97.13
142.8395	142.8395	99.49	99.49
142.9467	142.9467	98.84	98.84
142.908	142.908	98.19	98.19
142.9572	142.9572	97.57	97.57
NA	NA	NA	NA
NA	NA	NA	NA
143.1918	143.1918	97.61	97.61
143.2525	143.2525	96.83	96.83
143.0924	143.0924	97.85	97.85
143.2079	143.2079	96.67	96.67
142.929	142.929	98.66	98.66
NA	NA	NA	NA
NA	NA	NA	NA
142.8657	142.8657	100.37	100.37
142.8123	142.8123	102.07	102.07
142.7741	142.7741	100.94	100.94
142.6124	142.6124	100.77	100.77
142.6876	142.6876	99.03	99.03
NA	NA	NA	NA
NA	NA	NA	NA
142.5549	142.5549	99.19	99.19
142.3054	142.3054	99.77	99.77
142.4321	142.4321	99.48	99.48
142.1887	142.1887	100.14	100.14
142.2634	142.2634	98.59	98.59
NA	NA	NA	NA
NA	NA	NA	NA

142.5035	142.5035	99.28	99.28
142.2947	142.2947	99.45	99.45
142.1735	142.1735	98.55	98.55
142.2442	142.2442	98.67	98.67
142.3466	142.3466	98.19	98.19
NA	NA	NA	NA
NA	NA	NA	NA
142.2025	142.2025	98.08	98.08
142.1357	142.1357	96.89	96.89
142.3989	142.3989	96.42	96.42
142.296	142.296	97.56	97.56
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
142.4945	142.4945	98.16	98.16
142.4348	142.4348	96.98	96.98
142.5775	142.5775	97.87	97.87
142.4698	142.4698	97.75	97.75
142.3675	142.3675	97.12	97.12
NA	NA	NA	NA
NA	NA	NA	NA
142.3738	142.3738	94.93	94.93
142.0252	142.0252	94.68	94.68
142.0547	142.0547	94.48	94.48
141.8753	141.8753	94.83	94.83
141.7797	141.7797	95.56	95.56
NA	NA	NA	NA
NA	NA	NA	NA
141.888	141.888	94.76	94.76
142.0306	142.0306	95.56	95.56
141.5931	141.5931	94.63	94.63
141.7679	141.7679	94.45	94.45
142.0632	142.0632	94.24	94.24
NA	NA	NA	NA
NA	NA	NA	NA
141.9662	141.9662	93.66	93.66
142.0345	142.0345	91.27	91.27
142.4215	142.4215	93.52	93.52
142.2306	142.2306	93.78	93.78
142.4595	142.4595	93.59	93.59
NA	NA	NA	NA
NA	NA	NA	NA
142.3519	142.3519	94.04	94.04
142.3004	142.3004	93.73	93.73
142.3372	142.3372	94.21	94.21
142.3529	142.3529	94.83	94.83
142.611	142.611	95.08	95.08
NA	NA	NA	NA
NA	NA	NA	NA
142.52	142.52	94.39	94.39
142.4321	142.4321	93.45	93.45
142.2814	142.2814	95.05	95.05
142.4435	142.4435	94.11	94.11
142.2172	142.2172	95.91	95.91
NA	NA	NA	NA
NA	NA	NA	NA
142.121	142.121	97.13	97.13
142.2106	142.2106	97.92	97.92
142.2335	142.2335	97.64	97.64
142.1884	142.1884	97.31	97.31
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
142.1033	142.1033	98.46	98.46
141.8043	141.8043	98.95	98.95
141.9916	141.9916	98.73	98.73
142.0612	142.0612	97.63	97.63
NA	NA	NA	NA
NA	NA	NA	NA
141.9447	141.9447	96.09	96.09
141.5449	141.5449	95	95
141.3765	141.3765	95.93	95.93
141.4045	141.4045	94.92	94.92
141.7084	141.7084	95.46	95.46
NA	NA	NA	NA
NA	NA	NA	NA
141.3533	141.3533	92.89	92.89
141.9173	141.9173	92.02	92.02
142.083	142.083	92.9	92.9
142.2546	142.2546	92.15	92.15
142.0395	142.0395	91.9	91.9
NA	NA	NA	NA
NA	NA	NA	NA
142.1391	142.1391	91.43	91.43
142.087	142.087	91.16	91.16
142.0103	142.0103	91.6	91.6
142.4885	142.4885	91.75	91.75
142.4815	142.4815	90.26	90.26
NA	NA	NA	NA
NA	NA	NA	NA
142.2817	142.2817	91.11	91.11
142.2984	142.2984	90.43	90.43
142.4635	142.4635	90.76	90.76
142.2611	142.2611	91.03	91.03
142.1986	142.1986	91.41	91.41
NA	NA	NA	NA
NA	NA	NA	NA
142.2231	142.2231	90.59	90.59
141.9512	141.9512	90.5	90.5
141.979	141.979	89.85	89.85
142.1144	142.1144	89.47	89.47
142.0067	142.0067	88.35	88.35
NA	NA	NA	NA
NA	NA	NA	NA
142.2693	142.2693	86.68	86.68
142.3776	142.3776	85.66	85.66
141.9142	141.9142	86.93	86.93
142.0523	142.0523	84.89	84.89
141.9935	141.9935	87.61	87.61
NA	NA	NA	NA
NA	NA	NA	NA
141.716	141.716	90.77	90.77
141.6058	141.6058	90.26	90.26
141.6612	141.6612	89.86	89.86
141.5758	141.5758	91.11	91.11
141.5665	141.5665	92.3	92.3
NA	NA	NA	NA
NA	NA	NA	NA
141.4599	141.4599	93.01	93.01
141.0887	141.0887	91.54	91.54
141.0986	141.0986	90.86	90.86
141.0741	141.0741	90.63	90.63
140.8877	140.8877	91.02	91.02
NA	NA	NA	NA
NA	NA	NA	NA
140.9827	140.9827	89.03	89.03
140.8538	140.8538	87.37	87.37
140.7495	140.7495	87.74	87.74
140.4502	140.4502	89.1	89.1
140.4843	140.4843	88.71	88.71
NA	NA	NA	NA
NA	NA	NA	NA
140.3533	140.3533	88.88	88.88
140.3049	140.3049	89.82	89.82
140.0687	140.0687	90.94	90.94
139.8808	139.8808	91.38	91.38
140.1758	140.1758	91.01	91.01
NA	NA	NA	NA
NA	NA	NA	NA
140.112	140.112	90.81	90.81
140.3286	140.3286	90.93	90.93
140.2117	140.2117	93.27	93.27
139.9464	139.9464	93.25	93.25
139.7602	139.7602	91.73	91.73
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
139.5228	139.5228	93.56	93.56
139.9881	139.9881	92.85	92.85
139.684	139.684	92.33	92.33
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
139.7621	139.7621	92.4	92.4
140.1398	140.1398	91.74	91.74
140.0147	140.0147	91.43	91.43
NA	NA	NA	NA
NA	NA	NA	NA
139.936	139.936	90.9	90.9
139.7711	139.7711	91.27	91.27
139.5676	139.5676	91.86	91.86
139.5636	139.5636	92.45	92.45
139.9082	139.9082	90.36	90.36
NA	NA	NA	NA
NA	NA	NA	NA

139.8927	139.8927	89.77	89.77
139.6819	139.6819	89.62	89.62
139.5932	139.5932	90.57	90.57
139.6051	139.6051	91.45	91.45
139.4637	139.4637	92.14	92.14
NA	NA	NA	NA
NA	NA	NA	NA
139.3424	139.3424	90.83	90.83
140.5735	140.5735	91.84	91.84
140.6969	140.6969	92.75	92.75
140.3625	140.3625	93.22	93.22
140.4824	140.4824	92.28	92.28
NA	NA	NA	NA
NA	NA	NA	NA
140.5028	140.5028	91.95	91.95
140.4267	140.4267	92.13	92.13
140.3648	140.3648	90.25	90.25
140.3166	140.3166	90.08	90.08
140.1383	140.1383	90.74	90.74
NA	NA	NA	NA
NA	NA	NA	NA
140.2983	140.2983	89.44	89.44
140.2813	140.2813	88.06	88.06
140.2834	140.2834	87.94	87.94
140.1091	140.1091	88.53	88.53
139.9664	139.9664	88.28	88.28
NA	NA	NA	NA
NA	NA	NA	NA
139.7935	139.7935	88.12	88.12
139.7573	139.7573	88.01	88.01
139.6233	139.6233	88.84	88.84
139.6372	139.6372	88.37	88.37
139.0493	139.0493	89.26	89.26
NA	NA	NA	NA
NA	NA	NA	NA
139.6803	139.6803	88.4	88.4
139.7937	139.7937	87.81	87.81
139.8756	139.8756	88.06	88.06
139.9481	139.9481	87.91	87.91
139.8708	139.8708	87.66	87.66
NA	NA	NA	NA
NA	NA	NA	NA
140.1723	140.1723	86.6	86.6
140.4108	140.4108	86.53	86.53
140.5179	140.5179	86.9	86.9
140.2365	140.2365	86.8	86.8
140.1822	140.1822	87.19	87.19
NA	NA	NA	NA
NA	NA	NA	NA
140.1804	140.1804	86.65	86.65
139.7192	139.7192	86.42	86.42
139.5336	139.5336	84.83	84.83
139.784	139.784	84.66	84.66
139.8847	139.8847	84.92	84.92
NA	NA	NA	NA
NA	NA	NA	NA
139.9285	139.9285	84.9	84.9
139.953	139.953	84.93	84.93
139.8405	139.8405	84.61	84.61
139.8393	139.8393	84.72	84.72
139.5731	139.5731	85.52	85.52
NA	NA	NA	NA
NA	NA	NA	NA
139.6605	139.6605	84.74	84.74
139.8446	139.8446	84.61	84.61
139.5603	139.5603	84.42	84.42
139.7193	139.7193	84.93	84.93
139.9555	139.9555	84.39	84.39
NA	NA	NA	NA
NA	NA	NA	NA
139.8559	139.8559	83.93	83.93
139.7937	139.7937	84.23	84.23
139.6874	139.6874	84.09	84.09
139.6409	139.6409	83.97	83.97
139.5281	139.5281	85.18	85.18
NA	NA	NA	NA
NA	NA	NA	NA
139.4666	139.4666	84.69	84.69
139.6534	139.6534	83.81	83.81
139.6739	139.6739	85.33	85.33
139.0133	139.0133	85.3	85.3
138.7341	138.7341	86.16	86.16
NA	NA	NA	NA
NA	NA	NA	NA
139.2342	139.2342	85.96	85.96
138.8678	138.8678	86.06	86.06
138.537	138.537	85.81	85.81
138.9728	138.9728	86.17	86.17
139.5469	139.5469	86.82	86.82
NA	NA	NA	NA
NA	NA	NA	NA
139.3818	139.3818	86.95	86.95
138.8735	138.8735	86.55	86.55
138.867	138.867	87.49	87.49
138.8942	138.8942	87.22	87.22
138.9604	138.9604	86.53	86.53
NA	NA	NA	NA
NA	NA	NA	NA
138.739	138.739	86.15	86.15
138.2845	138.2845	86.96	86.96
138.3503	138.3503	86.63	86.63
138.7781	138.7781	86.01	86.01
139.1893	139.1893	87.39	87.39
NA	NA	NA	NA
NA	NA	NA	NA
138.7112	138.7112	87.05	87.05
138.7796	138.7796	87.19	87.19
139.3492	139.3492	85.75	85.75
139.0714	139.0714	84.5	84.5
139.451	139.451	80.29	80.29
NA	NA	NA	NA
NA	NA	NA	NA
139.4512	139.4512	85.62	85.62
139.3011	139.3011	88.31	88.31
139.6714	139.6714	90.37	90.37
139.7099	139.7099	91.91	91.91
139.6959	139.6959	92.43	92.43
NA	NA	NA	NA
NA	NA	NA	NA
139.707	139.707	91.45	91.45
139.7413	139.7413	91.16	91.16
139.711	139.711	88.98	88.98
139.4547	139.4547	92.38	92.38
139.3058	139.3058	93.1	93.1
NA	NA	NA	NA
NA	NA	NA	NA
138.4047	138.4047	92.23	92.23
138.3338	138.3338	93.14	93.14
138.6126	138.6126	93.86	93.86
139.4176	139.4176	93.26	93.26
139.175	139.175	92.65	92.65
NA	NA	NA	NA
NA	NA	NA	NA
139.2106	139.2106	92.07	92.07
139.0755	139.0755	92.03	92.03
139.013	139.013	92.21	92.21
138.9373	138.9373	92	92
139.1263	139.1263	90.84	90.84
NA	NA	NA	NA
NA	NA	NA	NA
138.9056	138.9056	92.29	92.29
138.9213	138.9213	91.51	91.51
138.642	138.642	91.61	91.61
138.8342	138.8342	91.1	91.1
138.7476	138.7476	90.27	90.27
NA	NA	NA	NA
NA	NA	NA	NA
138.5898	138.5898	91.06	91.06
138.4066	138.4066	90.57	90.57
138.3048	138.3048	90.17	90.17
138.1056	138.1056	89.06	89.06
137.8954	137.8954	89.06	89.06
NA	NA	NA	NA
NA	NA	NA	NA
138.3204	138.3204	88.06	88.06
138.8775	138.8775	87.46	87.46
139.1424	139.1424	86.68	86.68
138.8803	138.8803	86.72	86.72
138.8665	138.8665	87.2	87.2
NA	NA	NA	NA
NA	NA	NA	NA
138.5515	138.5515	87.76	87.76
138.2822	138.2822	86.82	86.82
138.393	138.393	87.16	87.16
138.3656	138.3656	86.21	86.21
138.3486	138.3486	86.78	86.78
NA	NA	NA	NA
NA	NA	NA	NA

137.9851	137.9851	88.06	88.06
138.0213	138.0213	87.02	87.02
137.9815	137.9815	86.82	86.82
137.9187	137.9187	87.03	87.03
138.177	138.177	85.91	85.91
NA	NA	NA	NA
NA	NA	NA	NA
138.3639	138.3639	85.63	85.63
138.6985	138.6985	85.64	85.64
138.1944	138.1944	85.85	85.85
138.3225	138.3225	84.69	84.69
138.104	138.104	85.2	85.2
NA	NA	NA	NA
NA	NA	NA	NA
137.6638	137.6638	86.74	86.74
137.2564	137.2564	87.52	87.52
137.1777	137.1777	87.68	87.68
137.8206	137.8206	87.64	87.64
137.8961	137.8961	88.26	88.26
NA	NA	NA	NA
NA	NA	NA	NA
137.8972	137.8972	88.28	88.28
137.5449	137.5449	88.55	88.55
138.7089	138.7089	88.84	88.84
139.122	139.122	88.8	88.8
139.6431	139.6431	90.28	90.28
NA	NA	NA	NA
NA	NA	NA	NA
139.5601	139.5601	90.09	90.09
138.9078	138.9078	90.48	90.48
139.4108	139.4108	91.55	91.55
138.8716	138.8716	90.19	90.19
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
139.1337	139.1337	90.46	90.46
138.4196	138.4196	89.92	89.92
138.6713	138.6713	89.4	89.4
138.9441	138.9441	89.63	89.63
138.4138	138.4138	89.68	89.68
NA	NA	NA	NA
NA	NA	NA	NA
138.3384	138.3384	88.18	88.18
138.0099	138.0099	87.34	87.34
138.413	138.413	87.39	87.39
138.6349	138.6349	87.5	87.5
138.6974	138.6974	88.21	88.21
NA	NA	NA	NA
NA	NA	NA	NA
138.7461	138.7461	87.36	87.36
138.3263	138.3263	87.57	87.57
139.0232	139.0232	86.61	86.61
139.4526	139.4526	87.87	87.87
139.6595	139.6595	88.83	88.83
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
139.8499	139.8499	88.65	88.65
140.4391	140.4391	88.27	88.27
140.9845	140.9845	89.83	89.83
140.7259	140.7259	89.39	89.39
NA	NA	NA	NA
NA	NA	NA	NA
140.6801	140.6801	88.68	88.68
140.7343	140.7343	87.84	87.84
141.0082	141.0082	88.05	88.05
141.2098	141.2098	88.41	88.41
141.1641	141.1641	88.28	88.28
NA	NA	NA	NA
NA	NA	NA	NA
141.2163	141.2163	87.55	87.55
141.097	141.097	87.75	87.75
140.9056	140.9056	89.31	89.31
140.9258	140.9258	89.18	89.18
140.7861	140.7861	88.46	88.46
NA	NA	NA	NA
NA	NA	NA	NA
140.8476	140.8476	88.14	88.14
140.8555	140.8555	86.63	86.63
140.7802	140.7802	84.45	84.45
140.614	140.614	85.12	85.12
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
140.6414	140.6414	85.51	85.51
140.6673	140.6673	84.56	84.56
140.5189	140.5189	84.41	84.41
140.6432	140.6432	84.99	84.99
NA	NA	NA	NA
NA	NA	NA	NA
140.4549	140.4549	85.22	85.22
140.414	140.414	84.84	84.84
141.024	141.024	85.47	85.47
140.4364	140.4364	85.92	85.92
140.6383	140.6383	85.35	85.35
NA	NA	NA	NA
NA	NA	NA	NA
140.6639	140.6639	85.4	85.4
140.6353	140.6353	84.37	84.37
140.2561	140.2561	83.97	83.97
140.1253	140.1253	85.01	85.01
140.2755	140.2755	85.14	85.14
NA	NA	NA	NA
NA	NA	NA	NA
140.4618	140.4618	84.54	84.54
140.6039	140.6039	84.64	84.64
140.4916	140.4916	83.59	83.59
140.3258	140.3258	83.39	83.39
139.9773	139.9773	82.8	82.8
NA	NA	NA	NA
NA	NA	NA	NA
140.0553	140.0553	81.81	81.81
139.8681	139.8681	81.62	81.62
140.0358	140.0358	81.42	81.42
140.103	140.103	80.86	80.86
140.1965	140.1965	81.44	81.44
NA	NA	NA	NA
NA	NA	NA	NA
140.1776	140.1776	81.52	81.52
140.3787	140.3787	79.84	79.84
140.3074	140.3074	79.83	79.83
139.9813	139.9813	79.1	79.1
140.6801	140.6801	78.75	78.75
NA	NA	NA	NA
NA	NA	NA	NA
140.1617	140.1617	78.31	78.31
140.0881	140.0881	78.32	78.32
140.3109	140.3109	78.41	78.41
140.3512	140.3512	78.32	78.32
140.3089	140.3089	79.17	79.17
NA	NA	NA	NA
NA	NA	NA	NA
140.2256	140.2256	77.85	77.85
140.1252	140.1252	77.16	77.16
140.0405	140.0405	76.79	76.79
140.1034	140.1034	77.03	77.03
140.2165	140.2165	76.98	76.98
NA	NA	NA	NA
NA	NA	NA	NA
140.1115	140.1115	77.27	77.27
140.0797	140.0797	77.46	77.46
140.1092	140.1092	77.51	77.51
140.1506	140.1506	77.66	77.66
140.2047	140.2047	77.48	77.48
NA	NA	NA	NA
NA	NA	NA	NA
140.0353	140.0353	77.3	77.3
140.0355	140.0355	76.83	76.83
139.9835	139.9835	76.78	76.78
139.853	139.853	76.29	76.29
140.6342	140.6342	76.91	76.91
NA	NA	NA	NA
NA	NA	NA	NA
140.5324	140.5324	76.2	76.2
139.8688	139.8688	75.42	75.42
140.0138	140.0138	75.56	75.56
140.2808	140.2808	74.9	74.9
139.7927	139.7927	75.04	75.04
NA	NA	NA	NA
NA	NA	NA	NA
140.2789	140.2789	75.21	75.21
140.0863	140.0863	74.59	74.59
139.9268	139.9268	74.94	74.94
139.8746	139.8746	75.54	75.54
139.7211	139.7211	75.16	75.16
NA	NA	NA	NA
NA	NA	NA	NA

139.7523	139.7523	74.91	74.91
139.7678	139.7678	74.5	74.5
139.905	139.905	73.96	73.96
139.8658	139.8658	74.06	74.06
139.7733	139.7733	74.49	74.49
NA	NA	NA	NA
NA	NA	NA	NA
139.8607	139.8607	74.62	74.62
NA	NA	NA	NA
NA	NA	NA	NA
139.6797	139.6797	73.19	73.19
139.5075	139.5075	72.81	72.81
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
139.4226	139.4226	73	73
139.5313	139.5313	72.99	72.99
NA	NA	NA	NA
NA	NA	NA	NA
139.2573	139.2573	72.59	72.59
139.4106	139.4106	72.76	72.76
139.4175	139.4175	71.92	71.92
139.3436	139.3436	72.59	72.59
139.4447	139.4447	72.39	72.39
NA	NA	NA	NA
NA	NA	NA	NA
139.1809	139.1809	72.96	72.96
139.1049	139.1049	73.19	73.19
138.5827	138.5827	73.8	73.8
138.4851	138.4851	73.76	73.76
138.3893	138.3893	73.7	73.7
NA	NA	NA	NA
NA	NA	NA	NA
138.156	138.156	74.64	74.64
138.2067	138.2067	73.9	73.9
138.1863	138.1863	73.39	73.39
138.1621	138.1621	73.36	73.36
138.3228	138.3228	73.29	73.29
NA	NA	NA	NA
NA	NA	NA	NA
138.4004	138.4004	73	73
138.7421	138.7421	72.78	72.78
138.2721	138.2721	72.13	72.13
138.1435	138.1435	72.2	72.2
138.1283	138.1283	72.32	72.32
NA	NA	NA	NA
NA	NA	NA	NA
138.1143	138.1143	72.36	72.36
138.1983	138.1983	72.4	72.4
138.0911	138.0911	72.46	72.46
138.4228	138.4228	72.75	72.75
138.2996	138.2996	73.31	73.31
NA	NA	NA	NA
NA	NA	NA	NA
138.5545	138.5545	73.29	73.29
138.1972	138.1972	73.07	73.07
138.0161	138.0161	73.45	73.45
137.8772	137.8772	73.16	73.16
138.1798	138.1798	72.59	72.59
NA	NA	NA	NA
NA	NA	NA	NA
138.0597	138.0597	72.02	72.02
138.1359	138.1359	71.77	71.77
138.1876	138.1876	72.19	72.19
138.3705	138.3705	71.99	71.99
138.3009	138.3009	71.64	71.64
NA	NA	NA	NA
NA	NA	NA	NA
138.0087	138.0087	71.78	71.78
137.8398	137.8398	71.75	71.75
137.7762	137.7762	72.22	72.22
137.7564	137.7564	72.16	72.16
137.7841	137.7841	71.71	71.71
NA	NA	NA	NA
NA	NA	NA	NA
137.743	137.743	71.66	71.66
137.7111	137.7111	71.48	71.48
138.1554	138.1554	71.57	71.57
138.5017	138.5017	71.3	71.3
137.9332	137.9332	71.1	71.1
NA	NA	NA	NA
NA	NA	NA	NA
137.6609	137.6609	70.69	70.69
138.9609	138.9609	70.25	70.25
138.6995	138.6995	71.01	71.01
137.8484	137.8484	71.57	71.57
137.8707	137.8707	71.02	71.02
NA	NA	NA	NA
NA	NA	NA	NA
137.8488	137.8488	71.19	71.19
137.9205	137.9205	73.27	73.27
137.933	137.933	72.8	72.8
137.8267	137.8267	73.38	73.38
137.7835	137.7835	73.63	73.63
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
137.9827	137.9827	73.7	73.7
137.9057	137.9057	74.18	74.18
137.923	137.923	74.4	74.4
137.8211	137.8211	74.52	74.52
NA	NA	NA	NA
NA	NA	NA	NA
137.9665	137.9665	75.15	75.15
137.7	137.7	74.23	74.23
137.727	137.727	74.9	74.9
137.7523	137.7523	73.78	73.78
137.5767	137.5767	73.9	73.9
NA	NA	NA	NA
NA	NA	NA	NA
137.2648	137.2648	74.01	74.01
137.4656	137.4656	73.91	73.91
137.1533	137.1533	73.51	73.51
137.2794	137.2794	73.32	73.32
137.1563	137.1563	73.92	73.92
NA	NA	NA	NA
NA	NA	NA	NA
137.2318	137.2318	74.29	74.29
137.9394	137.9394	74.14	74.14
137.6977	137.6977	73.38	73.38
137.8142	137.8142	73.68	73.68
138.1915	138.1915	73.48	73.48
NA	NA	NA	NA
NA	NA	NA	NA
138.3374	138.3374	73.53	73.53
137.9454	137.9454	73.36	73.36
137.9238	137.9238	73.75	73.75
138.0726	138.0726	74.26	74.26
138.2688	138.2688	73.69	73.69
NA	NA	NA	NA
NA	NA	NA	NA
138.1215	138.1215	74.17	74.17
138.1565	138.1565	73.91	73.91
138.1339	138.1339	72.87	72.87
137.9941	137.9941	72.35	72.35
138.0176	138.0176	72.2	72.2
NA	NA	NA	NA
NA	NA	NA	NA
137.6844	137.6844	72.32	72.32
137.6161	137.6161	73.22	73.22
137.6132	137.6132	73.28	73.28
137.5905	137.5905	73.41	73.41
137.5722	137.5722	73.49	73.49
NA	NA	NA	NA
NA	NA	NA	NA
137.5131	137.5131	72.94	72.94
137.5267	137.5267	73.73	73.73
137.1782	137.1782	73.81	73.81
137.2831	137.2831	74.14	74.14
137.2521	137.2521	73.54	73.54
NA	NA	NA	NA
NA	NA	NA	NA
137.3474	137.3474	72.59	72.59
137.1151	137.1151	73.07	73.07
136.9386	136.9386	73.99	73.99
136.834	136.834	74.43	74.43
136.9132	136.9132	73.95	73.95
NA	NA	NA	NA
NA	NA	NA	NA
136.7847	136.7847	74.32	74.32
136.8307	136.8307	75	75
136.9539	136.9539	74.31	74.31
136.9288	136.9288	74.08	74.08
136.7584	136.7584	74.83	74.83
NA	NA	NA	NA
NA	NA	NA	NA

136.6835	136.6835	74.34	74.34
136.7273	136.7273	75.17	75.17
136.7933	136.7933	74.84	74.84
136.8349	136.8349	74.8	74.8
136.9163	136.9163	74.57	74.57
NA	NA	NA	NA
NA	NA	NA	NA
136.8883	136.8883	74.84	74.84
136.8364	136.8364	74.74	74.74
136.7291	136.7291	75.13	75.13
136.7855	136.7855	74.89	74.89
136.7072	136.7072	73.52	73.52
NA	NA	NA	NA
NA	NA	NA	NA
136.6708	136.6708	74.25	74.25
136.7599	136.7599	73.92	73.92
136.5832	136.5832	74.82	74.82
136.4976	136.4976	74.57	74.57
136.4252	136.4252	74.93	74.93
NA	NA	NA	NA
NA	NA	NA	NA
136.6999	136.6999	74.72	74.72
136.1923	136.1923	74.93	74.93
136.5089	136.5089	75.02	75.02
136.3859	136.3859	74.48	74.48
136.3796	136.3796	74.28	74.28
NA	NA	NA	NA
NA	NA	NA	NA
136.4141	136.4141	74.05	74.05
136.4586	136.4586	73.87	73.87
136.2358	136.2358	73.43	73.43
136.1774	136.1774	73.19	73.19
136.1524	136.1524	74.05	74.05
NA	NA	NA	NA
NA	NA	NA	NA
136.0986	136.0986	73.54	73.54
136.0376	136.0376	74.41	74.41
135.8304	135.8304	73.37	73.37
135.9874	135.9874	73.8	73.8
136.0691	136.0691	74.25	74.25
NA	NA	NA	NA
NA	NA	NA	NA
136.0111	136.0111	74.21	74.21
135.9343	135.9343	73.74	73.74
135.77	135.77	73.49	73.49
135.9692	135.9692	73.74	73.74
136.1387	136.1387	73.18	73.18
NA	NA	NA	NA
NA	NA	NA	NA
136.0899	136.0899	73.1	73.1
135.6128	135.6128	73.06	73.06
135.8674	135.8674	72.47	72.47
135.9924	135.9924	72.96	72.96
136.081	136.081	73.37	73.37
NA	NA	NA	NA
NA	NA	NA	NA
136.0009	136.0009	73.34	73.34
136.1757	136.1757	73.06	73.06
136.0996	136.0996	73.34	73.34
135.8326	135.8326	72.86	72.86
135.7268	135.7268	73.56	73.56
NA	NA	NA	NA
NA	NA	NA	NA
135.8193	135.8193	72.4	72.4
135.7763	135.7763	71.67	71.67
135.684	135.684	71.56	71.56
135.8912	135.8912	71.62	71.62
135.9657	135.9657	71.82	71.82
NA	NA	NA	NA
NA	NA	NA	NA
135.8336	135.8336	71.88	71.88
135.7223	135.7223	71.73	71.73
135.5973	135.5973	72.19	72.19
135.2689	135.2689	72.34	72.34
135.0597	135.0597	72.39	72.39
NA	NA	NA	NA
NA	NA	NA	NA
135.2808	135.2808	72.56	72.56
135.0503	135.0503	73.19	73.19
135.2323	135.2323	72.89	72.89
135.0896	135.0896	73.07	73.07
135.3083	135.3083	72.67	72.67
NA	NA	NA	NA
NA	NA	NA	NA
135.1693	135.1693	73.42	73.42
NA	NA	NA	NA
134.9147	134.9147	72.38	72.38
134.739	134.739	72.64	72.64
134.9458	134.9458	72.66	72.66
NA	NA	NA	NA
NA	NA	NA	NA
134.871	134.871	72.49	72.49
134.6835	134.6835	73	73
134.7303	134.7303	72.63	72.63
134.7828	134.7828	73.48	73.48
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
135.0482	135.0482	72.4	72.4
135.0859	135.0859	71.48	71.48
134.9092	134.9092	71.78	71.78
134.8862	134.8862	72.41	72.41
NA	NA	NA	NA
NA	NA	NA	NA
134.8383	134.8383	73.32	73.32
134.8865	134.8865	74.54	74.54
134.6397	134.6397	74.58	74.58
134.6965	134.6965	74.31	74.31
134.6336	134.6336	74.73	74.73
NA	NA	NA	NA
NA	NA	NA	NA
134.3773	134.3773	75.46	75.46
134.3196	134.3196	75.04	75.04
134.527	134.527	75.58	75.58
134.5979	134.5979	75.56	75.56
134.697	134.697	75.8	75.8
NA	NA	NA	NA
NA	NA	NA	NA
134.9677	134.9677	75.82	75.82
134.8617	134.8617	76.46	76.46
134.7638	134.7638	76.85	76.85
134.6452	134.6452	76.47	76.47
134.2091	134.2091	77.02	77.02
NA	NA	NA	NA
NA	NA	NA	NA
134.28	134.28	76.56	76.56
134.2563	134.2563	76.42	76.42
134.6802	134.6802	77.37	77.37
134.8013	134.8013	76.98	76.98
134.7878	134.7878	77.04	77.04
NA	NA	NA	NA
NA	NA	NA	NA
134.9725	134.9725	76.72	76.72
134.627	134.627	77.27	77.27
134.6352	134.6352	76.79	76.79
134.4732	134.4732	76.79	76.79
134.2821	134.2821	76.75	76.75
NA	NA	NA	NA
NA	NA	NA	NA
134.2739	134.2739	77.02	77.02
134.5619	134.5619	76.92	76.92
134.5886	134.5886	76.62	76.62
134.761	134.761	76.15	76.15
134.8007	134.8007	76.1	76.1
NA	NA	NA	NA
NA	NA	NA	NA
134.6745	134.6745	77.66	77.66
134.9456	134.9456	77.18	77.18
134.4497	134.4497	77.42	77.42
134.121	134.121	77.45	77.45
134.2524	134.2524	77.58	77.58
NA	NA	NA	NA
NA	NA	NA	NA
134.3115	134.3115	77.22	77.22
134.5073	134.5073	77.18	77.18
134.555	134.555	77.91	77.91
134.4991	134.4991	78.09	78.09
134.2526	134.2526	77.69	77.69
NA	NA	NA	NA
NA	NA	NA	NA
134.3335	134.3335	77.12	77.12
134.334	134.334	77.59	77.59
134.2954	134.2954	77.29	77.29
134.2442	134.2442	77.47	77.47
134.3919	134.3919	76.62	76.62
NA	NA	NA	NA
NA	NA	NA	NA

134.3421	134.3421	76.96	76.96
134.4312	134.4312	76.56	76.56
134.6076	134.6076	76.39	76.39
134.4814	134.4814	76.49	76.49
134.3419	134.3419	76.83	76.83
NA	NA	NA	NA
NA	NA	NA	NA
134.3204	134.3204	77.8	77.8
134.135	134.135	77.69	77.69
133.7282	133.7282	77.38	77.38
133.6743	133.6743	77.72	77.72
133.77	133.77	77.42	77.42
NA	NA	NA	NA
NA	NA	NA	NA
133.8138	133.8138	78.21	78.21
133.2651	133.2651	78.45	78.45
133.2772	133.2772	78.21	78.21
133.3388	133.3388	77.96	77.96
133.3268	133.3268	78.76	78.76
NA	NA	NA	NA
NA	NA	NA	NA
133.1713	133.1713	79.23	79.23
132.8677	132.8677	79.39	79.39
132.876	132.876	78.86	78.86
132.9272	132.9272	77.39	77.39
132.781	132.781	77.54	77.54
NA	NA	NA	NA
NA	NA	NA	NA
132.36	132.36	77.44	77.44
132.1955	132.1955	77.42	77.42
132.4239	132.4239	77.08	77.08
132.4485	132.4485	76.89	76.89
132.3736	132.3736	76.21	76.21
NA	NA	NA	NA
NA	NA	NA	NA
132.1557	132.1557	76.46	76.46
132.0824	132.0824	76.17	76.17
NA	NA	NA	NA
NA	NA	NA	NA
132.1106	132.1106	75.94	75.94
NA	NA	NA	NA
NA	NA	NA	NA
132.2328	132.2328	76.36	76.36
NA	NA	NA	NA
NA	NA	NA	NA
NA	NA	NA	NA
132.4482	132.4482	75.34	75.34
NA	NA	NA	NA
NA	NA	NA	NA
132.6171	132.6171	75.43	75.43
132.8913	132.8913	75.67	75.67
133.0196	133.0196	76.24	76.24
133.0605	133.0605	76.32	76.32
132.9775	132.9775	76.83	76.83
NA	NA	NA	NA
NA	NA	NA	NA
133.0079	133.0079	76.5	76.5
133.1513	133.1513	75.92	75.92
133.1058	133.1058	76.27	76.27
133.0606	133.0606	76.8	76.8
133.0968	133.0968	77.15	77.15
NA	NA	NA	NA
NA	NA	NA	NA
133.0345	133.0345	77.04	77.04
133.4737	133.4737	77.15	77.15
133.8009	133.8009	76.82	76.82
133.7697	133.7697	76.52	76.52
133.8256	133.8256	76.01	76.01
NA	NA	NA	NA
NA	NA	NA	NA
133.9651	133.9651	77.92	77.92
133.8485	133.8485	76.96	76.96
133.9565	133.9565	75.74	75.74
133.8851	133.8851	74.77	74.77
133.8806	133.8806	75.03	75.03
NA	NA	NA	NA
NA	NA	NA	NA
133.6579	133.6579	76.25	76.25
133.8947	133.8947	76.66	76.66
133.9622	133.9622	76.32	76.32
134.1126	134.1126	76.34	76.34
134.0087	134.0087	76.47	76.47
NA	NA	NA	NA
NA	NA	NA	NA
134.0577	134.0577	75.83	75.83
133.9666	133.9666	76.21	76.21
133.6636	133.6636	76.18	76.18
133.609	133.609	76.31	76.31
133.9076	133.9076	76.02	76.02
NA	NA	NA	NA
NA	NA	NA	NA
134.0315	134.0315	76.12	76.12
133.9032	133.9032	76.26	76.26
133.9729	133.9729	75.61	75.61
133.9966	133.9966	74.93	74.93
134.2159	134.2159	75.21	75.21
NA	NA	NA	NA
NA	NA	NA	NA
134.2739	134.2739	75.84	75.84
134.1924	134.1924	75.75	75.75
134.0148	134.0148	75.73	75.73
133.7253	133.7253	75.89	75.89
133.5812	133.5812	76.22	76.22
NA	NA	NA	NA
NA	NA	NA	NA
133.613	133.613	75.39	75.39
133.6709	133.6709	76.22	76.22
133.6263	133.6263	75.84	75.84
133.1752	133.1752	76.2	76.2
133.2742	133.2742	76.45	76.45
NA	NA	NA	NA
NA	NA	NA	NA
133.3302	133.3302	75.79	75.79
133.0071	133.0071	75.78	75.78
132.9479	132.9479	76.75	76.75
133.1174	133.1174	75.65	75.65
133.271	133.271	74.69	74.69
NA	NA	NA	NA
NA	NA	NA	NA
133.2758	133.2758	74.3	74.3
133.4414	133.4414	74.45	74.45
133.6856	133.6856	74.64	74.64
133.3817	133.3817	74.25	74.25
133.4144	133.4144	74.62	74.62
NA	NA	NA	NA
NA	NA	NA	NA
133.4061	133.4061	74.55	74.55
133.2579	133.2579	74.73	74.73
133.7057	133.7057	74.44	74.44
133.5344	133.5344	74.95	74.95

DIGITAL APPENDIX A

DIGITAL APPENDIX A

A_[CODE]_Chapter 3.2._Closing Prices

```
#Prepare Dataset
dc<-read.csv("D:/01_Mareike/Promotion/Data/FINAL DATA_Okt2013-Feb2019.csv", header = TRUE, sep =";")
t<-as.Date(d$date,format="%d.%m.%Y")

#Preparing R
require("tseries")
require("urca")
require("zoo")
require("PerformanceAnalytics")
require("SciViews")
require("dplyr")
require("forecast")
require("rugarch")
require("Metrics")
require("Dowd")


#Defining variables
DJAC<-d$DJAC
DJAL<-d$DJAL
DJCC<-d$DJCC
DJCF<-d$DJCF
DJCP<-d$DJCP
DJCT<-d$DJCT
DJLE<-d$DJLE
DJGO<-d$DJGO
DJNI<-d$DJNI
DJSI<-d$DJSI
DJSU<-d$DJSU
DJWE<-d$DJWE
DJZI<-d$DJZI
DJLH<-d$DJLH
DJNG<-d$DJNG
DJPE<-d$DJPE
DJSO<-d$DJSO
SEFP<-d$SEFP
SEEC<-d$SEEC
SEFL<-d$SEFL
SEUT<-d$SEUT
SETR<-d$SETR
SEMO<-d$SEMO
SEOG<-d$SEOG
SEOE<-d$SEOE
SEAI<-d$SEAI
SEIS<-d$SEIS
SERE<-d$SERE
SEAE<-d$SEAE
SESO<-d$SESO
SETE<-d$SETE
SEBE<-d$SEBE
SEET<-d$SEET
SEAP<-d$SEAP
SECH<-d$SECH
BITC<-d$BITC
LITC<-d$LITC
GREX<-d$GREX
DAXP<-d$DAXP

#Replace missing values
DJACaprx<-na.approx(DJAC)
DJALaprx<-na.approx(DJAL)
DJCCaprx<-na.approx(DJCC)
DJCFaprx<-na.approx(DJCF)
DJCPaprx<-na.approx(DJCP)
DJCTaprx<-na.approx(DJCT)
DJLEaprx<-na.approx(DJLE)
DJGOaprx<-na.approx(DJGO)
DJNIaprx<-na.approx(DJNI)
DJSIaprx<-na.approx(DJSI)
DJSUaprx<-na.approx(DJSU)
DJWEaprx<-na.approx(DJWE)
DJZIaprx<-na.approx(DJZI)
DJLHaprx<-na.approx(DJLH)
DJNGaprx<-na.approx(DJNG)
DJPEaprx<-na.approx(DJPE)
DJSOaprx<-na.approx(DJSO)
SEFPaprx<-na.approx(SEFP)
SEECaprx<-na.approx(SEEC)
SEFLaprx<-na.approx(SEFL)
SEUTaprx<-na.approx(SEUT)
SETRaprx<-na.approx(SETR)
SEMOaprx<-na.approx(SEMO)
SEOGaprx<-na.approx(SEOG)
SEOEaprx<-na.approx(SEOE)
SEAIaprx<-na.approx(SEAI)
SEISaprx<-na.approx(SEIS)
SEREaprx<-na.approx(SERE)
SEAEaprx<-na.approx(SEAE)
SESOaprx<-na.approx(SESO)
SETEaprx<-na.approx(SETE)
SEBEaprx<-na.approx(SEBE)
SEETaprx<-na.approx(SEET)
SECHaprx<-na.approx(SECH)
SEAPaprx<-na.approx(SEAP)
BITCaprx<-na.approx(BITC)
LITCaprx<-na.approx(LITC)
GREXaprx<-na.approx(GREX)
DAXPaprx<-na.approx(DAXP)

#Plot the original data using Approximated  In- and Out-of-Sample Data
plot(t[182:1977],DJACaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices",  main="Closing Prices of All Cattle using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJACaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJAC.jpeg", type="jpeg")
plot(t[182:1977],DJALaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Aluminium using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJALaprx[1:181], type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJAL.jpeg", type="jpeg")
plot(t[182:1977],DJCCaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Cocoa using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCCaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJCC.jpeg", type="jpeg")
plot(t[182:1977],DJCFaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Coffee using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCFaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJCF.jpeg", type="jpeg")
plot(t[182:1977],DJCPaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Copper using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCPaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJCP.jpeg", type="jpeg")
plot(t[182:1977],DJCTaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Cotton using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCTaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJCT.jpeg", type="jpeg")
plot(t[182:1977],DJLEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Lead using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJLEaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJLE.jpeg", type="jpeg")
plot(t[182:1977],DJGOaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Gold using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJGOaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJGO.jpeg", type="jpeg")
plot(t[182:1977],DJNIaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Nickel using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJNIaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJNI.jpeg", type="jpeg")
plot(t[182:1977],DJSIaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Silver using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJSIaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJSI.jpeg", type="jpeg")
plot(t[182:1977],DJSUaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Sugar using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJSUaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJSU.jpeg", type="jpeg")
plot(t[182:1977],DJWEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Wheat using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJWEaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJWE.jpeg", type="jpeg")
plot(t[182:1977],DJZIaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Zinc using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJZIaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJZI.jpeg", type="jpeg")
plot(t[182:1977],DJLHaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Lean Hogs using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJLHaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJLH.jpeg", type="jpeg")
plot(t[182:1977],DJNGaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Natural Gas using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJNGaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJNG.jpeg", type="jpeg")
plot(t[182:1977],DJPEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Petroleum using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJPEaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJPE.jpeg", type="jpeg")
plot(t[182:1977],DJSOaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Soybeans using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJSOaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DJSO.jpeg", type="jpeg")
plot(t[182:1977],SEFPaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Forest and Paper using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEFPaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
```

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savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEFP.jpeg", type="jpeg")
plot(t[182:1977],SEECaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Electricity using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEECaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEEC.jpeg", type="jpeg")
plot(t[182:1977],SEFLaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Fixed Line Communication using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEFLaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEFL.jpeg", type="jpeg")
plot(t[182:1977],SEUTaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Gas, Water & Multiu. using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEUTaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEUT.jpeg", type="jpeg")
plot(t[182:1977],SETRaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Transportation using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SETRaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SETR.jpeg", type="jpeg")
plot(t[182:1977],SEMOaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Mobile Telecommunication using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEMOaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEMO.jpeg", type="jpeg")
plot(t[182:1977],SEOGaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Oil & Gas Producers using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEOGaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEOG.jpeg", type="jpeg")
plot(t[182:1977],SEOEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Oil, Equip. Services & Distrib. using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEOEaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEOE.jpeg", type="jpeg")
plot(t[182:1977],SEAIaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Airlines using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEAIaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEAI.jpeg", type="jpeg")
plot(t[182:1977],SEISaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of RE Invest. & Services using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEISaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEIS.jpeg", type="jpeg")
plot(t[182:1977],SEREaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of REITS using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEREaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SERE.jpeg", type="jpeg")
plot(t[182:1977],SEAEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Alternative Energy using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEAEaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
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plot(t[182:1977],SESOaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Softw. & Comp. Services using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SESOaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SESO.jpeg", type="jpeg")
plot(t[182:1977],SETEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Techn. Equip. & Hardware using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SETEaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SETE.jpeg", type="jpeg")
plot(t[182:1977],SEBEaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Beverages using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEBEaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEBE.jpeg", type="jpeg")
plot(t[182:1977],SEETaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Europe Total Market using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEETaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEET.jpeg", type="jpeg")
plot(t[182:1977],SECHaprx[182:1977],type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Chemicals using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SECHaprx[1:181], type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SECH.jpeg", type="jpeg")
plot(t[182:1977],SEAPaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Auto and parts using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEAPaprx[1:181], type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/SEAP.jpeg", type="jpeg")
plot(t[182:1977],BITCaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Bitcoin using Approx. In- and Out-of-Sample Data")
lines(t[1:181], BITCaprx[1:181], type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/BITC.jpeg", type="jpeg")
plot(t[182:1977],LITCaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of Litecoin using Approx. In- and Out-of-Sample Data")
lines(t[1:181], LITCaprx[1:181], type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/LITC.jpeg", type="jpeg")
plot(t[182:1977],GREXaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of REX using Approx. In- and Out-of-Sample Data")
lines(t[1:181], GREXaprx[1:181], type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/GREX.jpeg", type="jpeg")
plot(t[182:1977],DAXPaprx[182:1977], type="l", col="green", xlab="Time", ylab="Closing Prices", main="Closing Prices of DAXsubsector All PE & VC using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DAXPaprx[1:181], type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/01_Closing Prices/DAXP.jpeg", type="jpeg")
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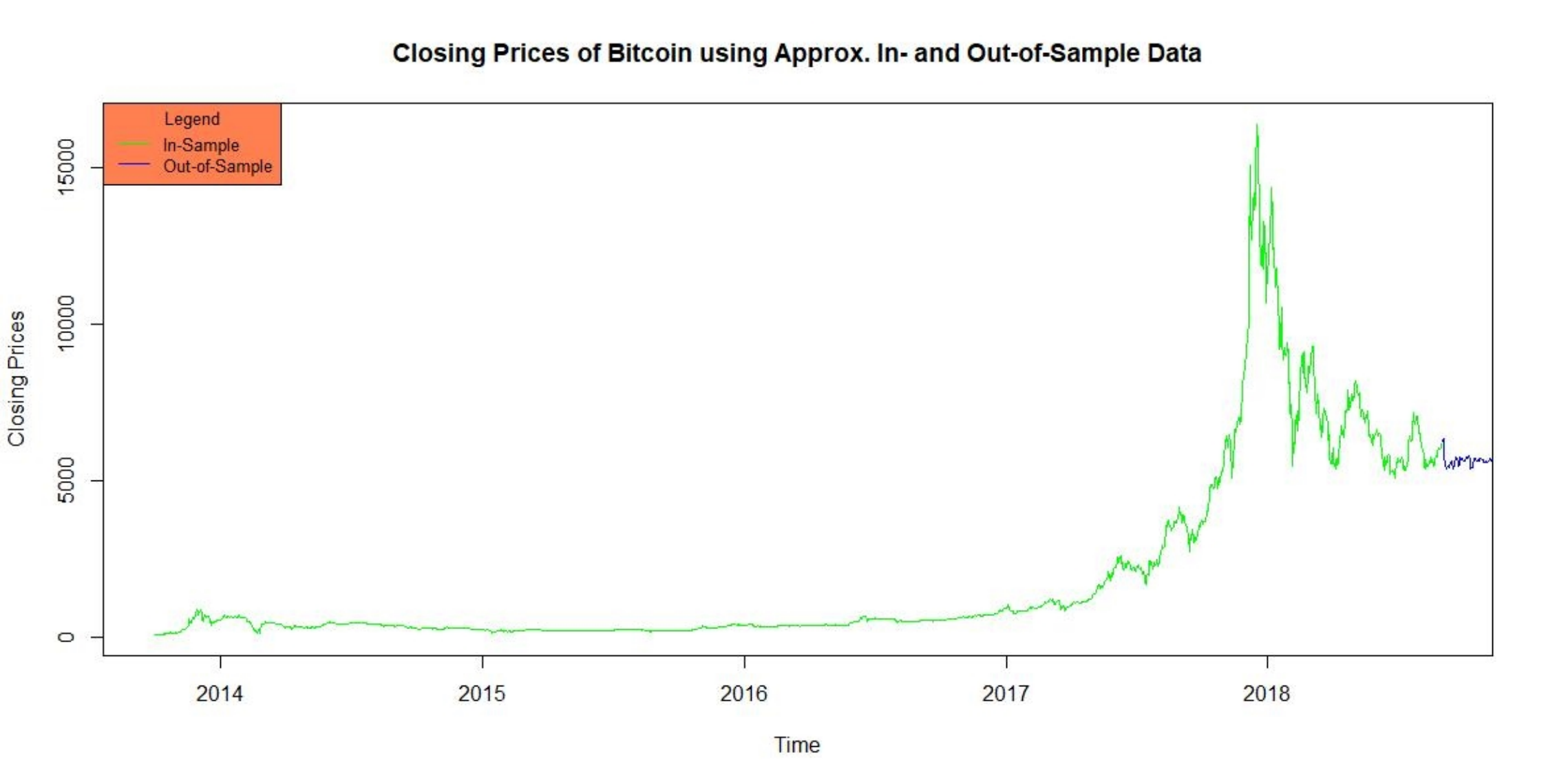
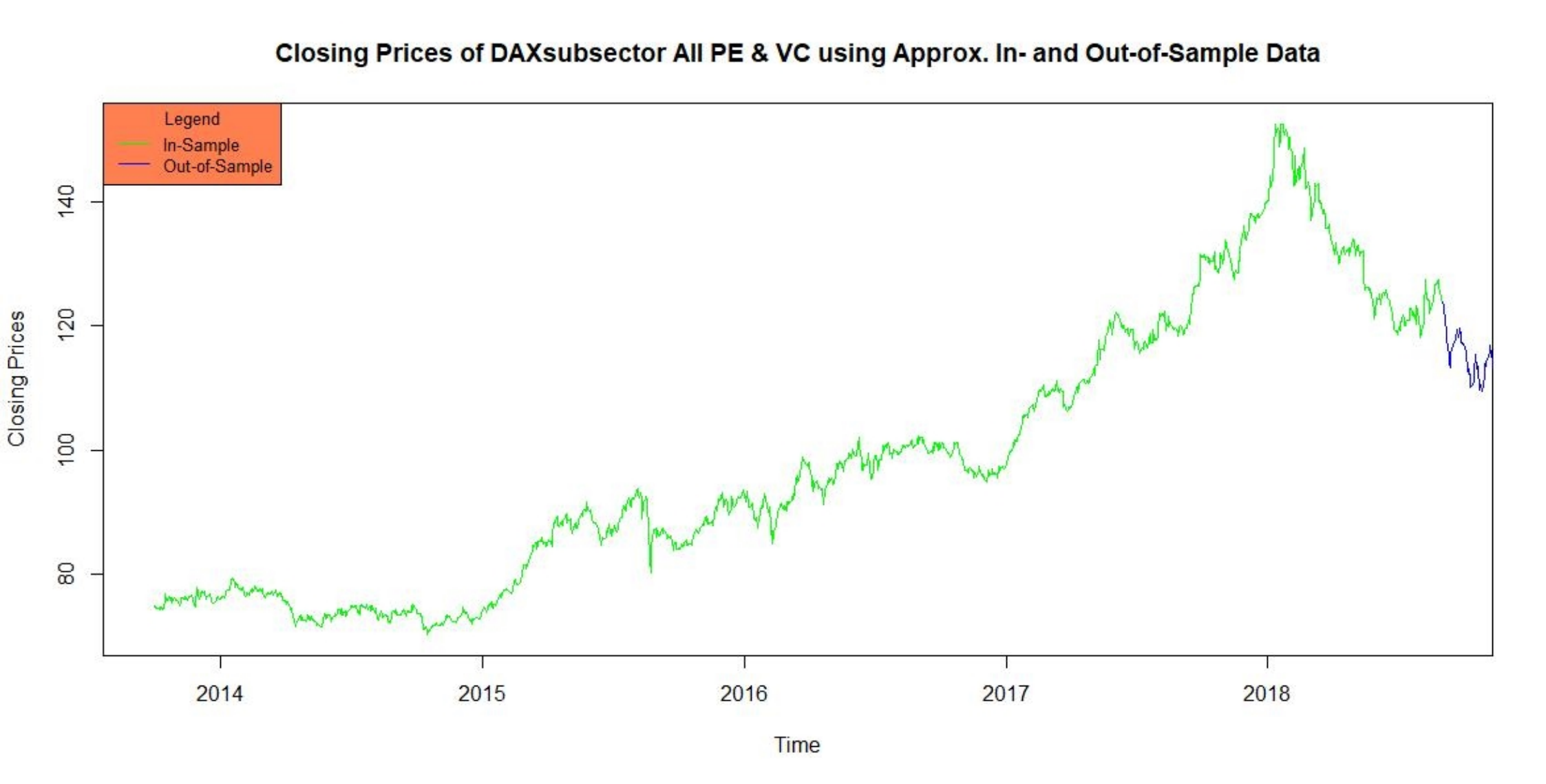
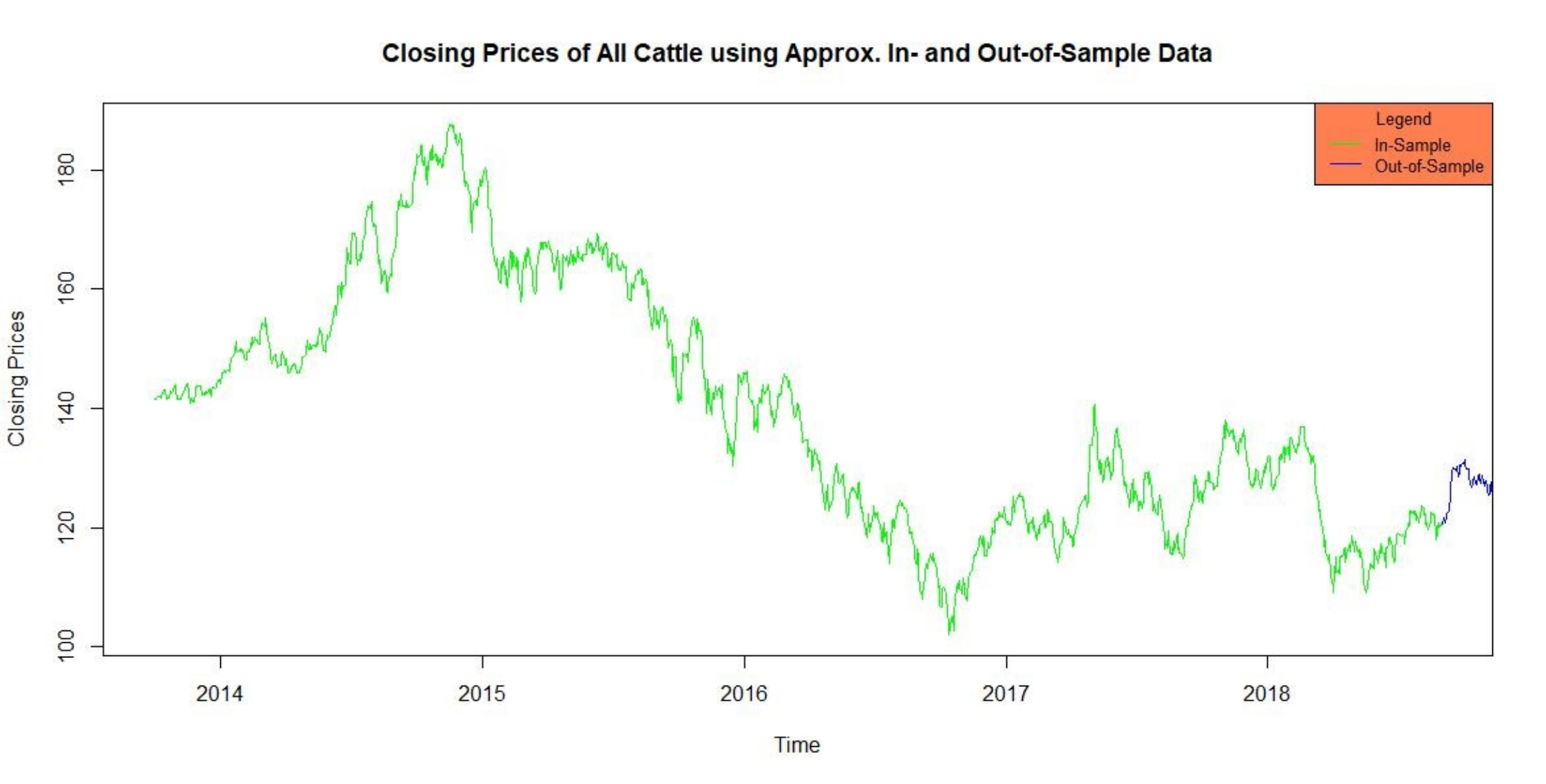
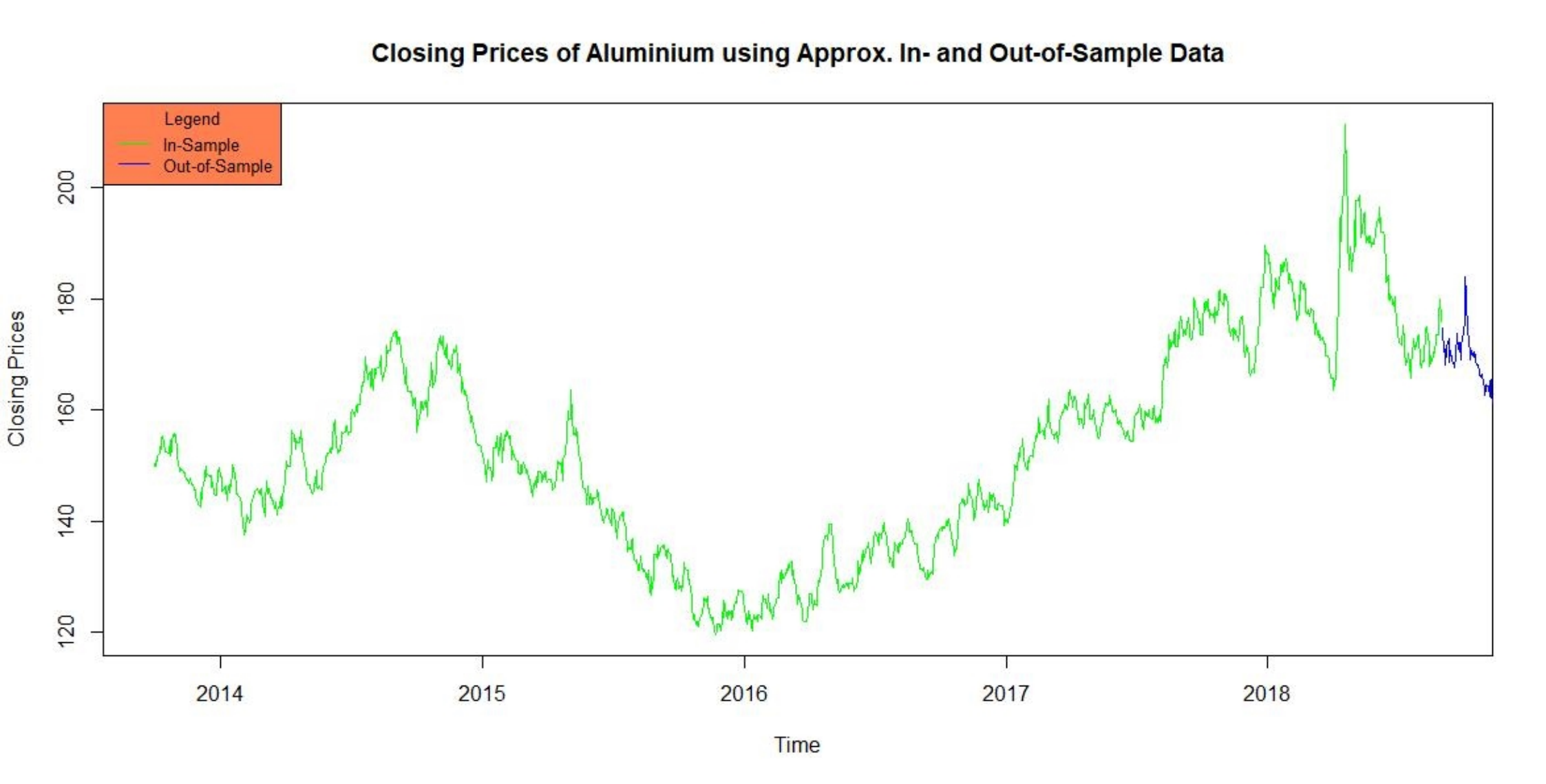
DIGITAL APPENDIX A

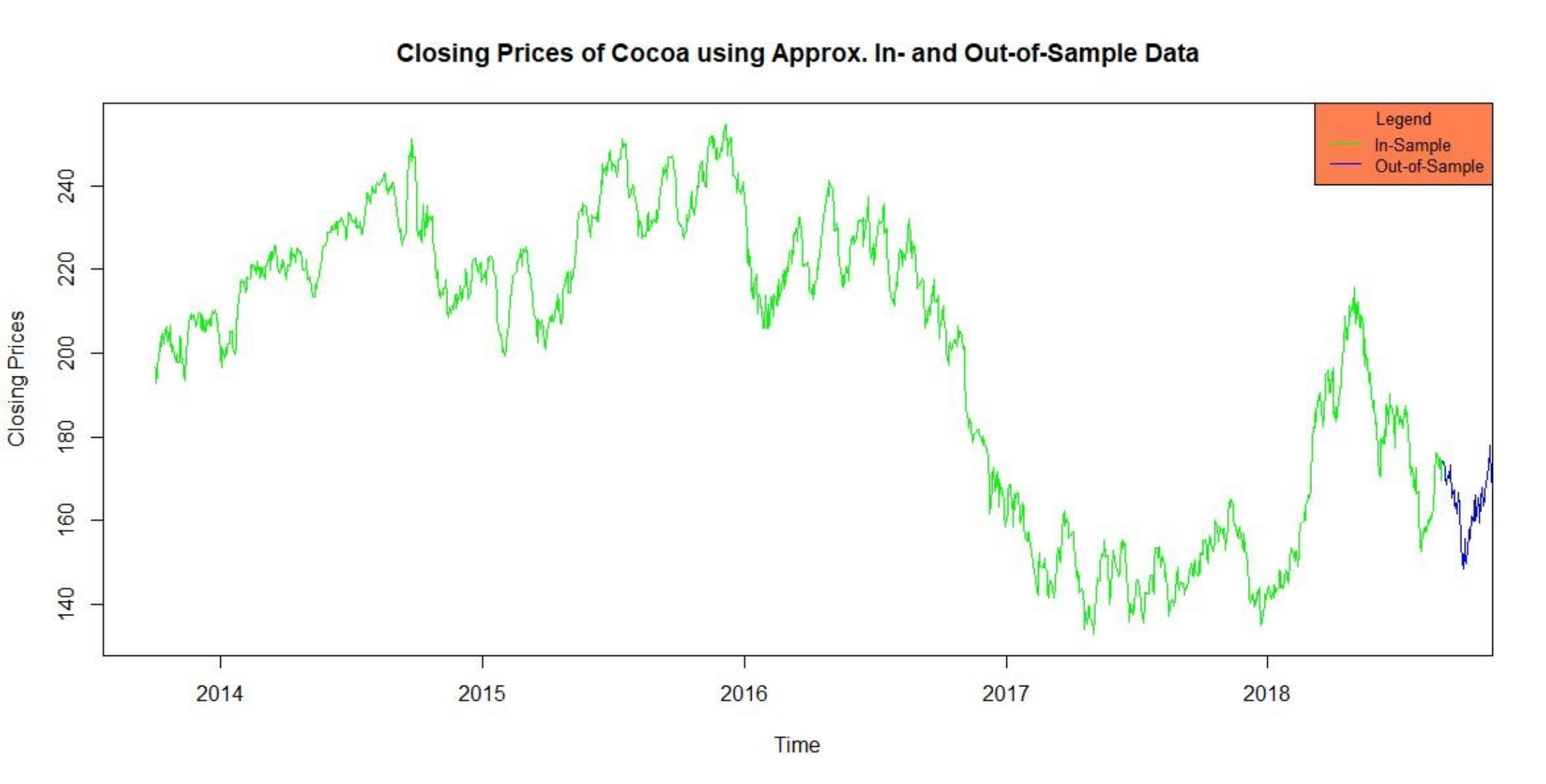
A_[RESULTS]_Chapter 3.2._Closing Prices

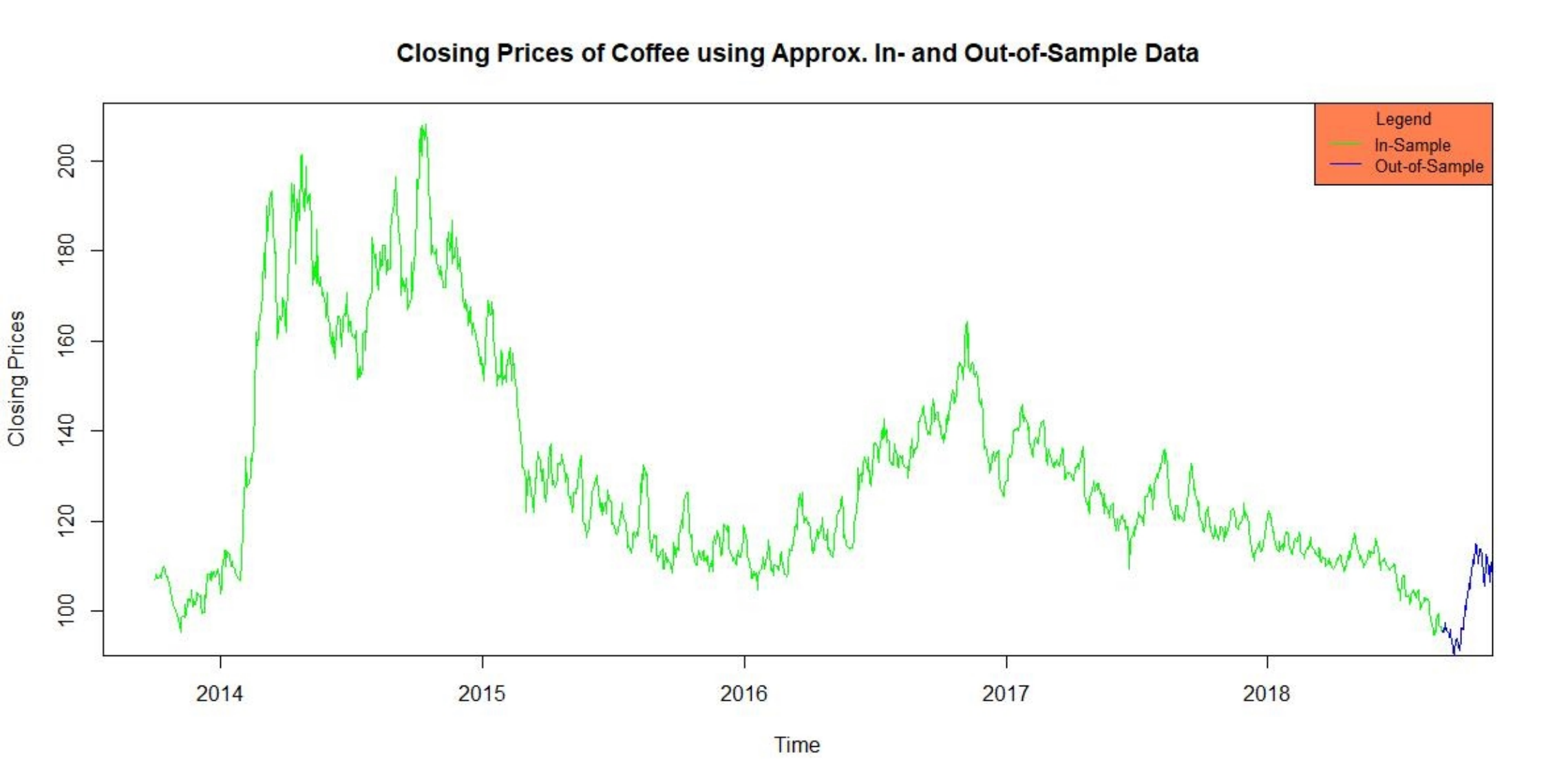

Closing Prices of Bitcoin using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
0
5000
10000
15000
2014
2015
2016
2017
2018
Time

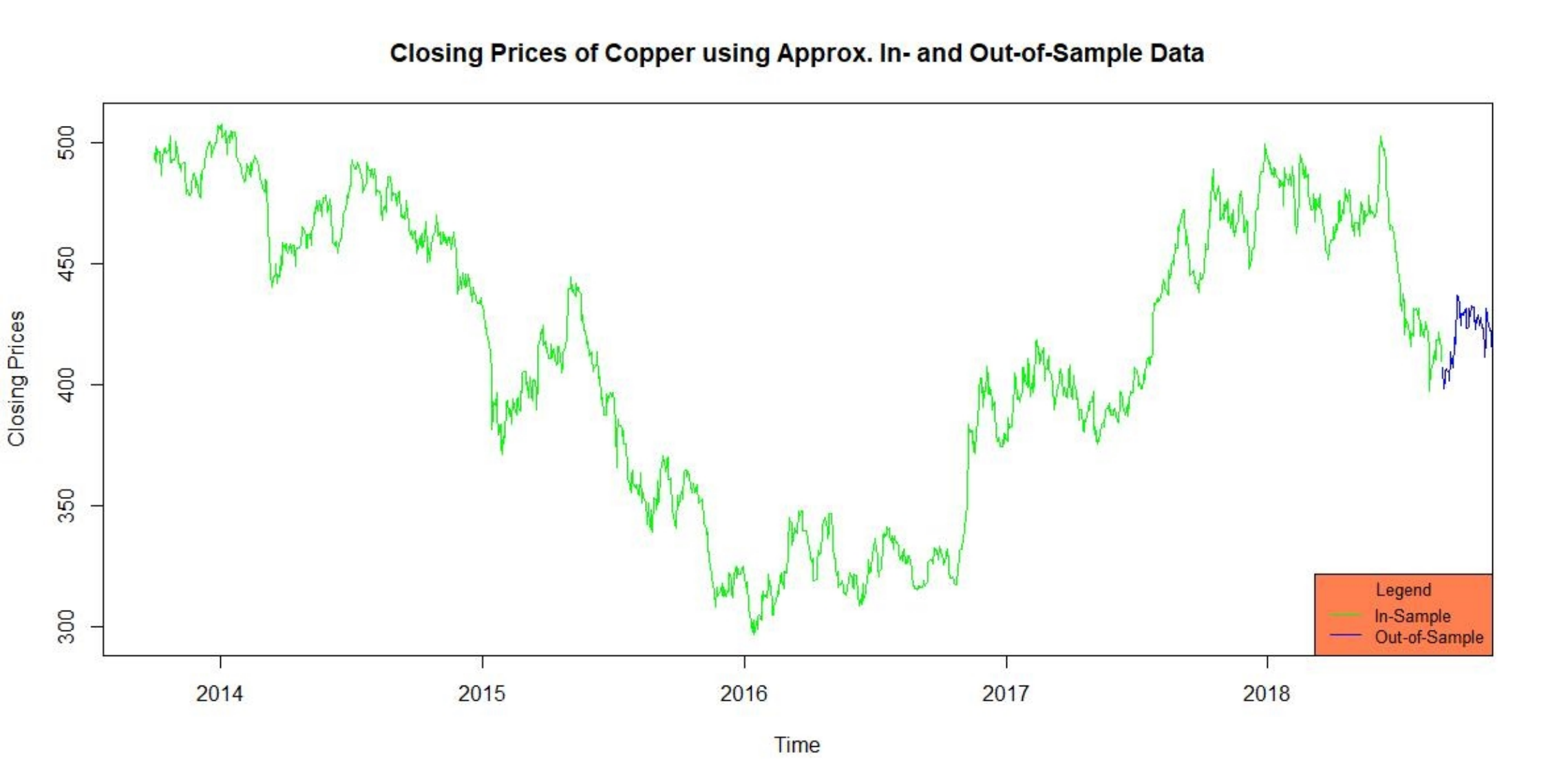

Closing Prices of DAXsubsector All PE & VC using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
80
100
120
140
2014
2015
2016
2017
2018
Time

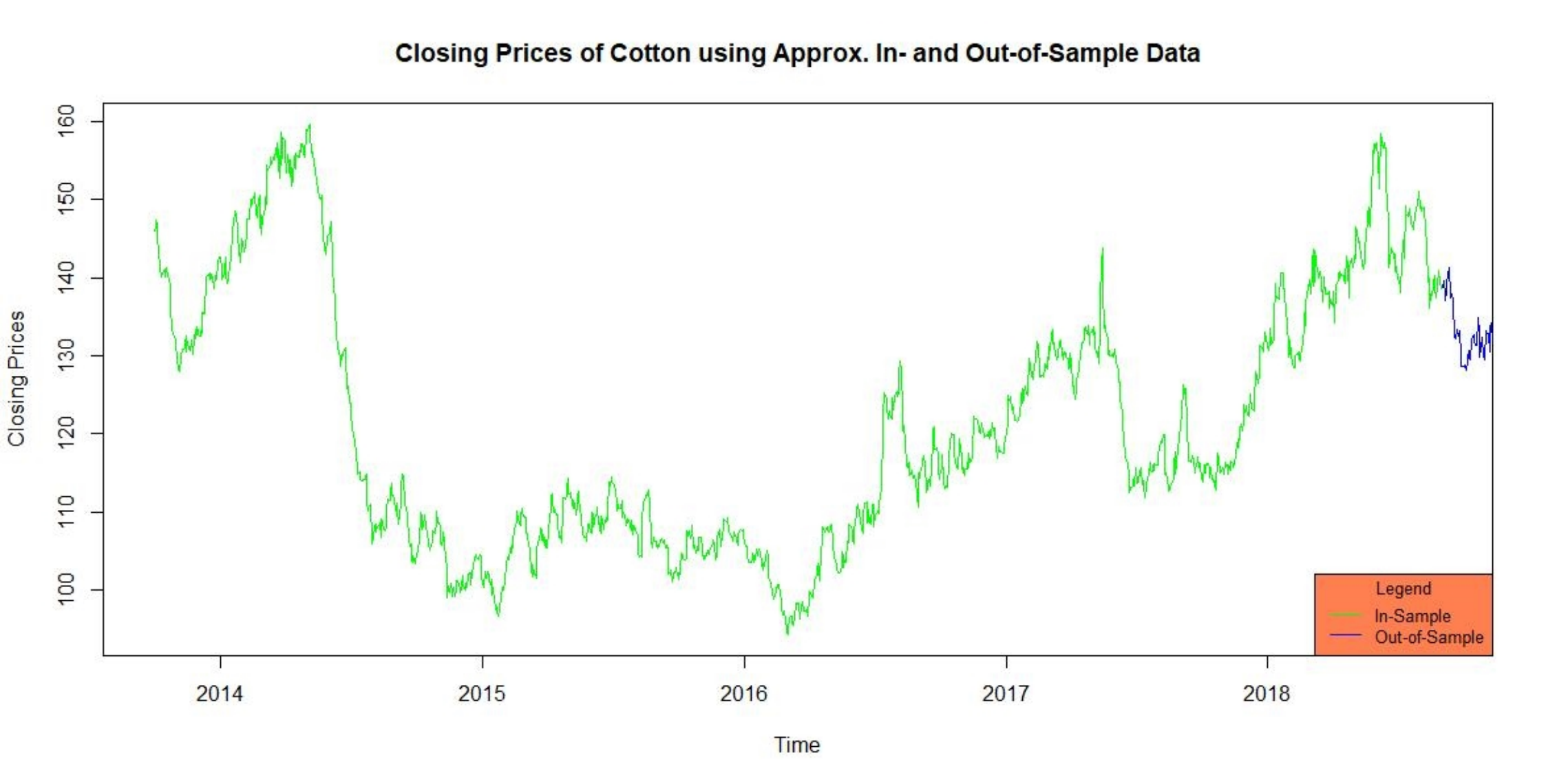

Closing Prices of All Cattle using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
100
120
140
160
180
2014
2015
2016
2017
2018
Time

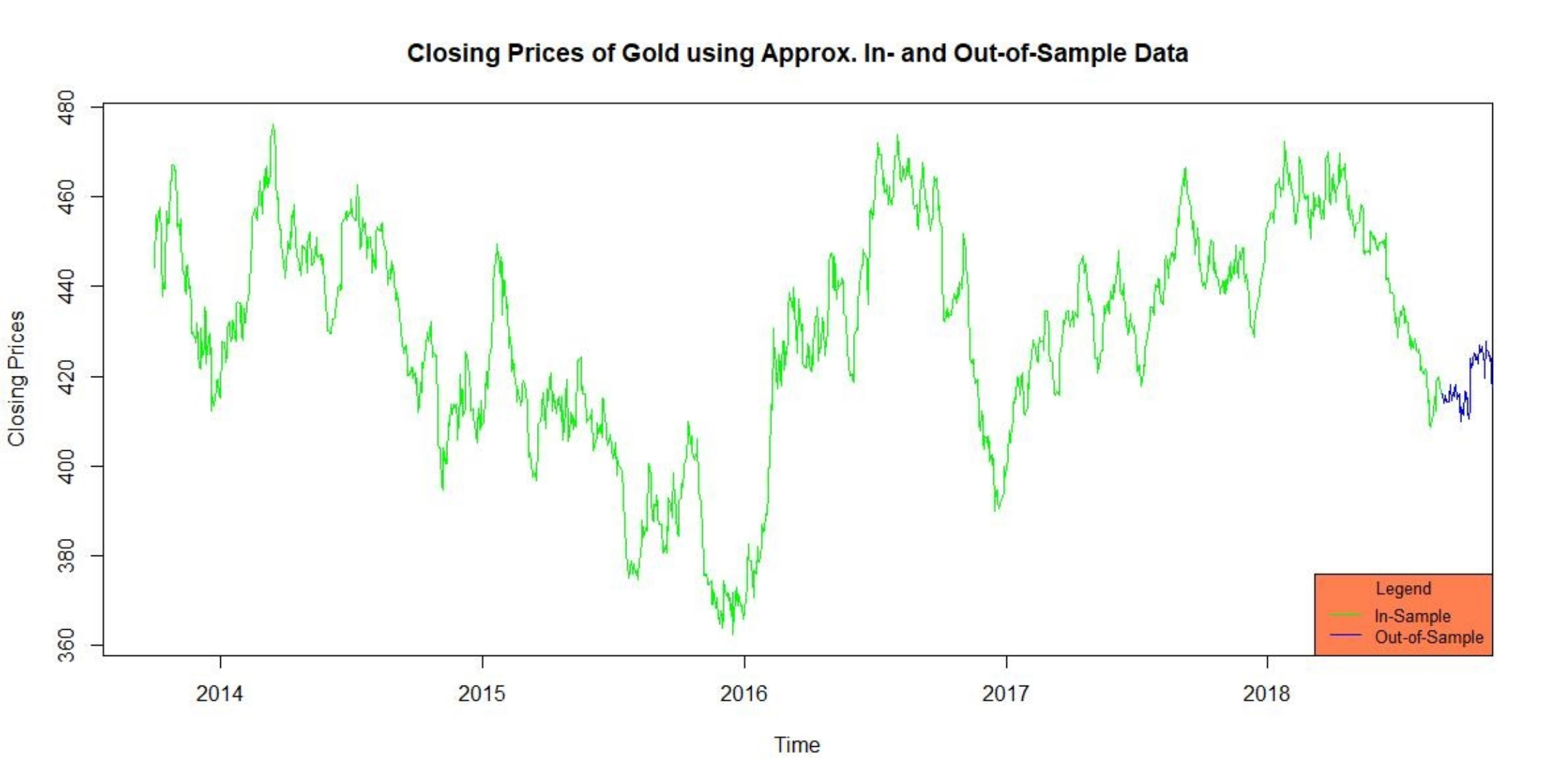

Closing Prices of Aluminium using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
120
140
160
180
200
2014
2015
2016
2017
2018
Time

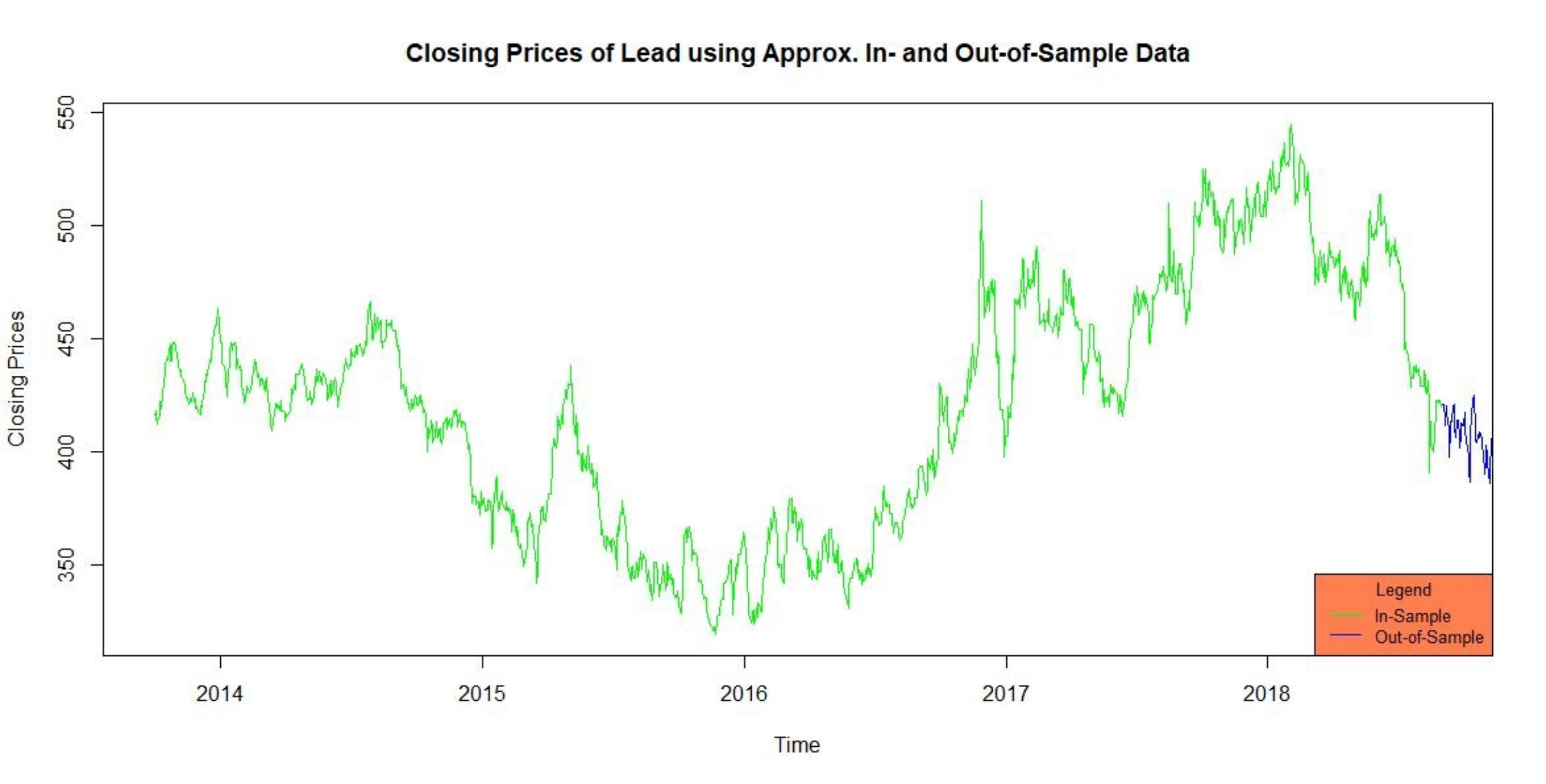

Closing Prices of Cocoa using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
140
160
180
200
220
240
2014
2015
2016
2017
2018
Time

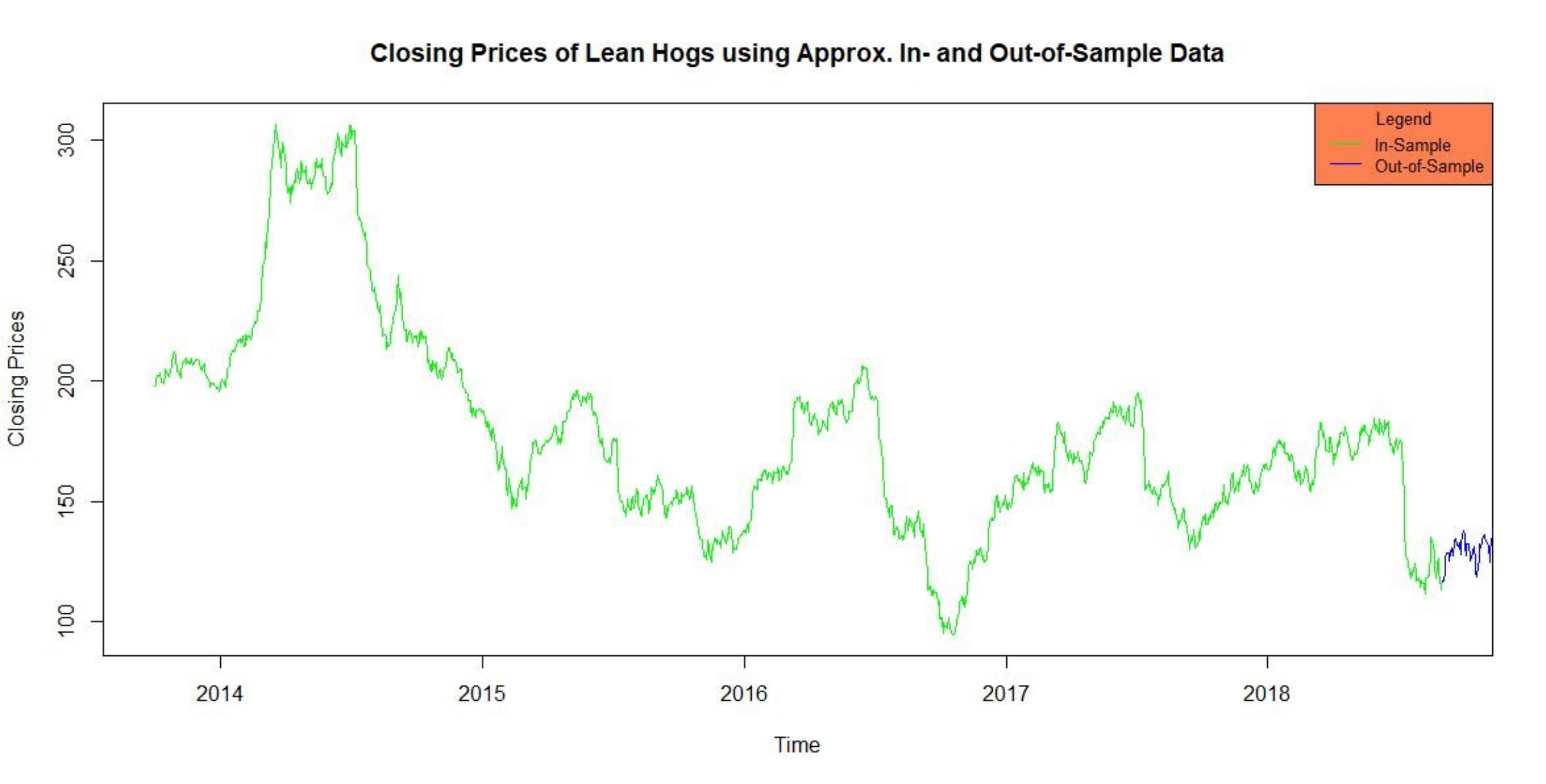

Closing Prices of Coffee using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
100
120
140
160
180
200
2014
2015
2016
2017
2018
Time

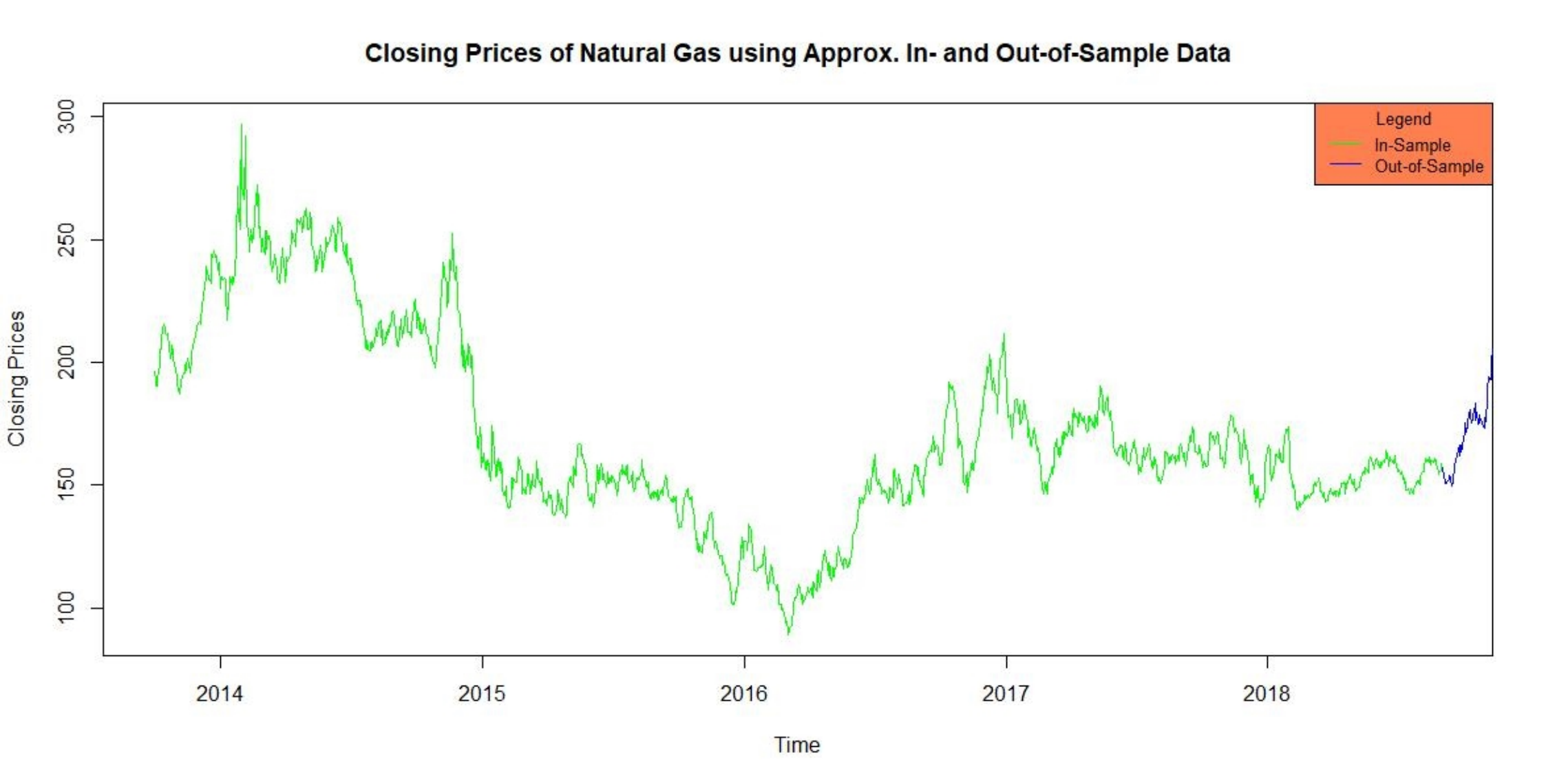

Closing Prices of Copper using Approx. In- and Out-of-Sample Data
Closing Prices
300
350
400
450
500
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

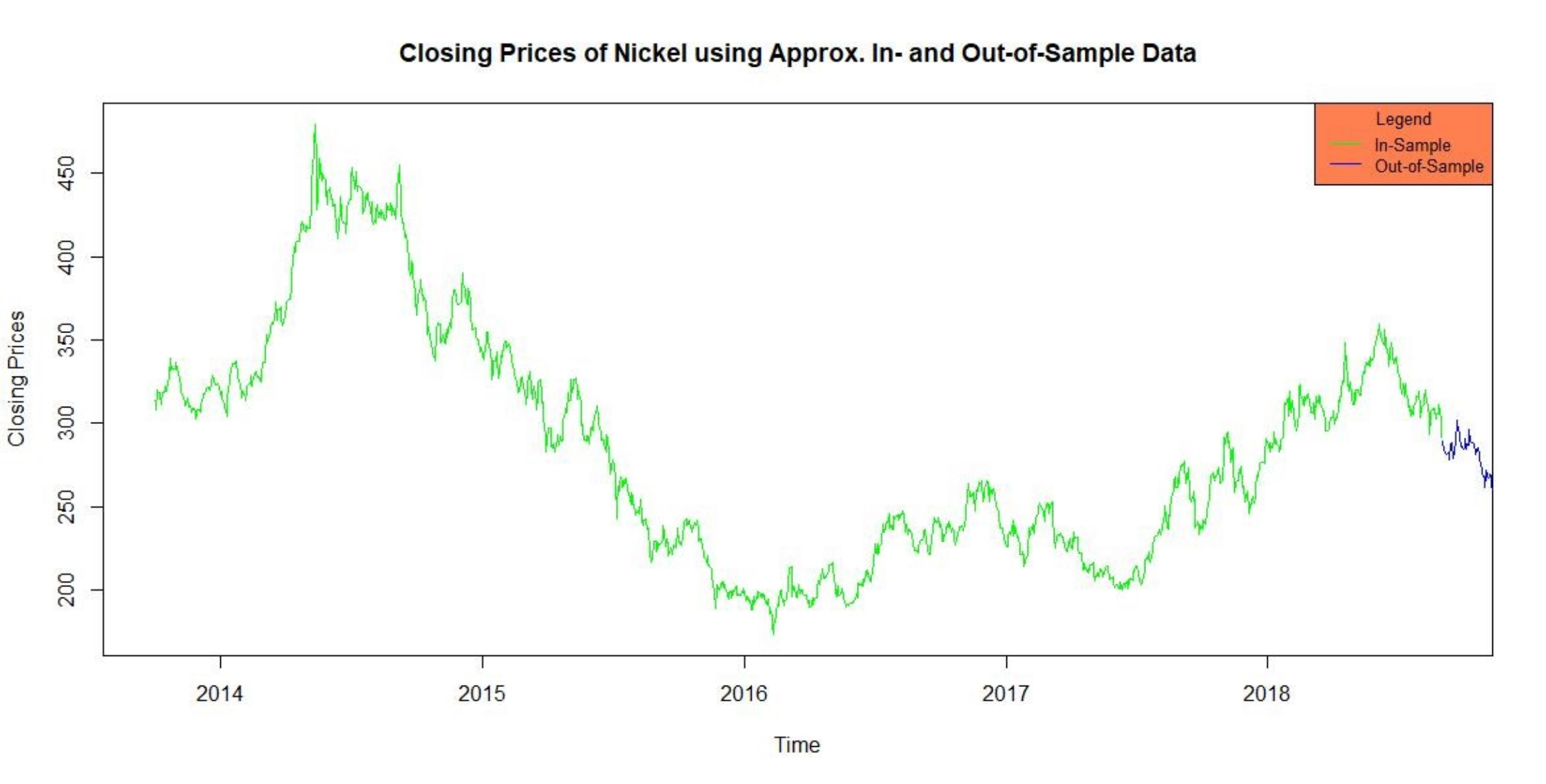

Closing Prices of Cotton using Approx. In- and Out-of-Sample Data
Closing Prices
100
110
120
130
140
150
160
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

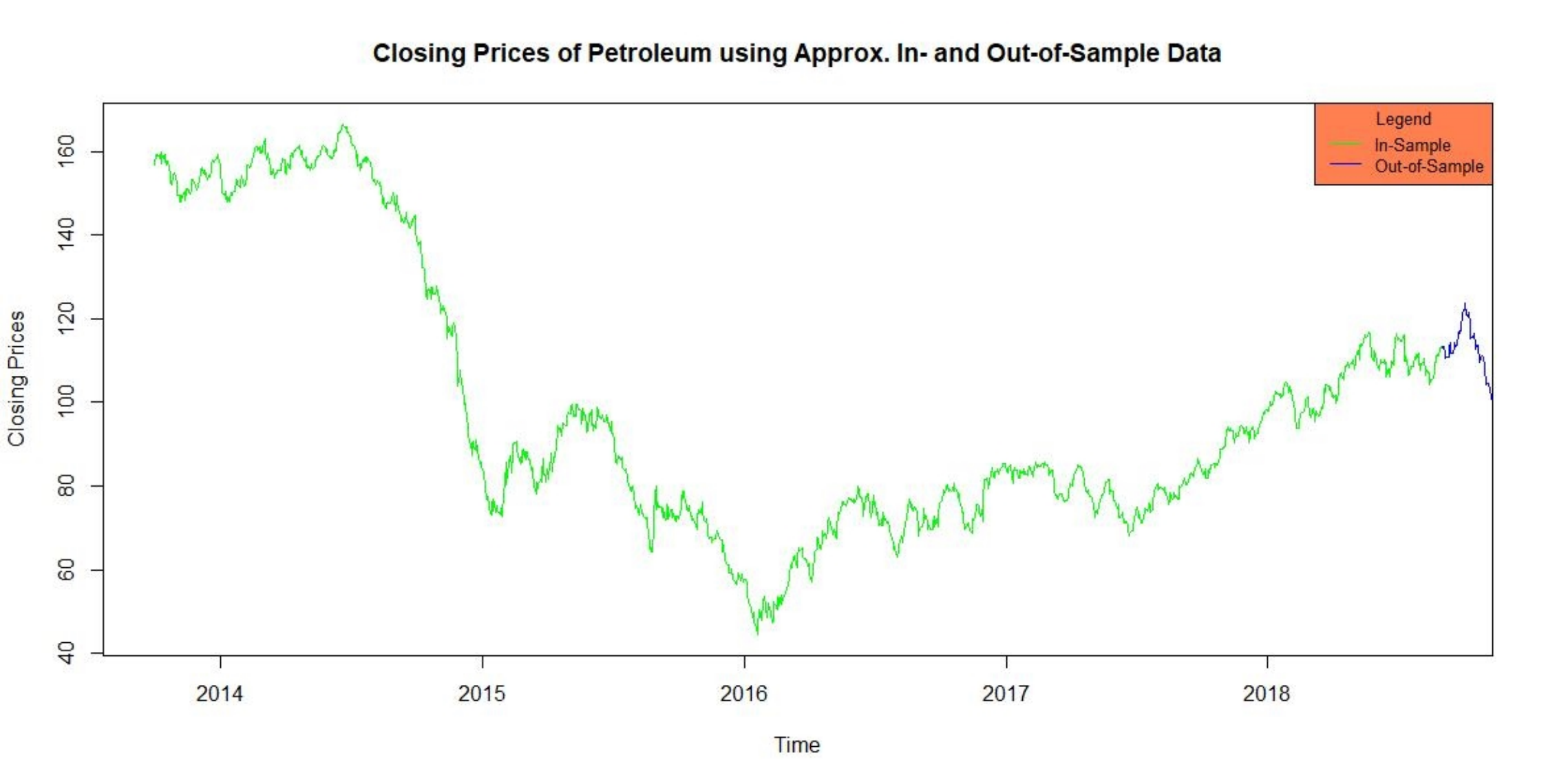

Closing Prices of Gold using Approx. In- and Out-of-Sample Data
Closing Prices
360
380
400
420
440
460
480
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

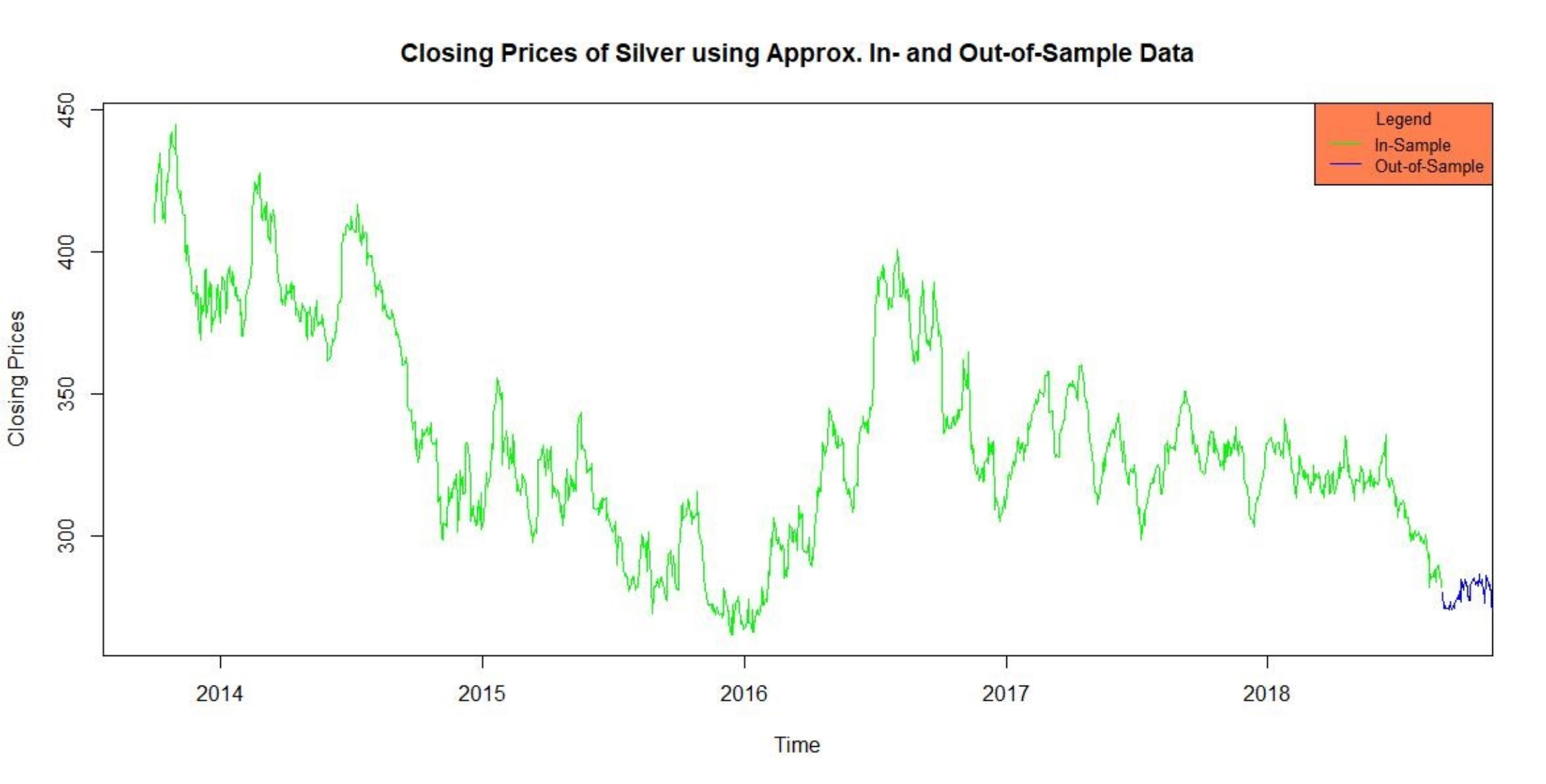

Closing Prices of Lead using Approx. In- and Out-of-Sample Data
Closing Prices
550
500
450
400
350
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

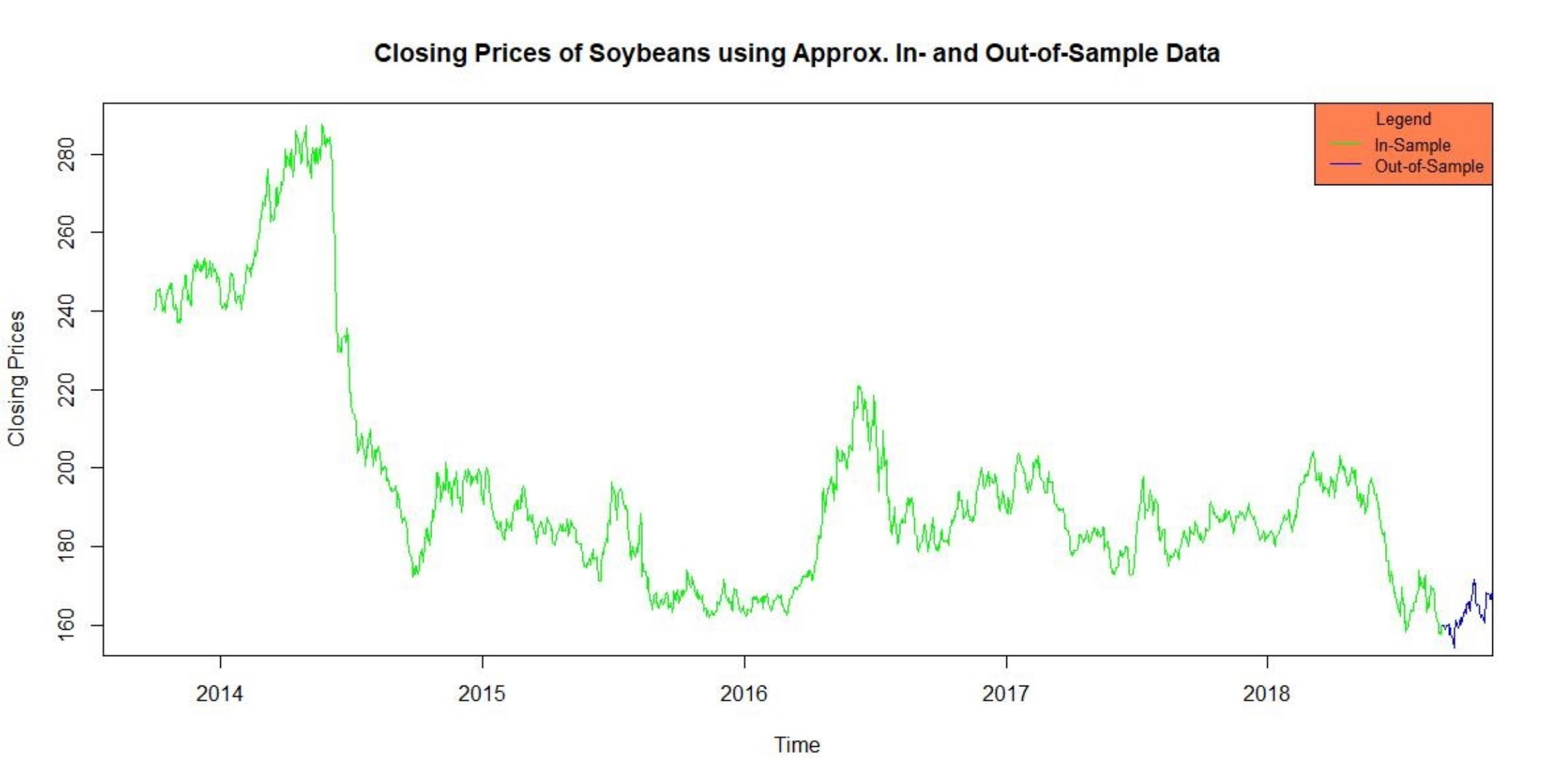

Closing Prices of Lean Hogs using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
100
150
200
250
300
2014
2015
2016
2017
2018
Time

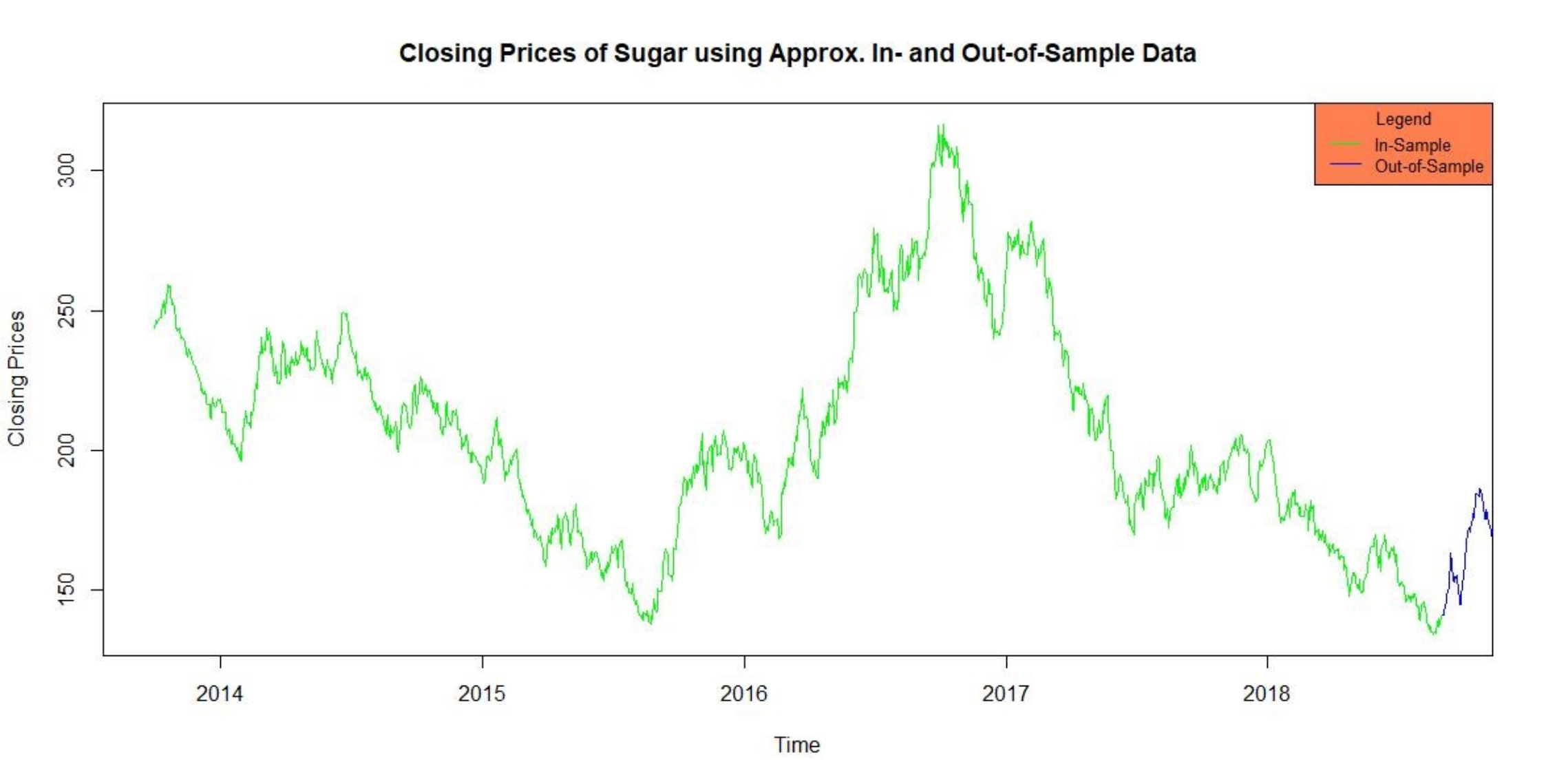

Closing Prices of Natural Gas using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
100
150
200
250
300
2014
2015
2016
2017
2018
Time

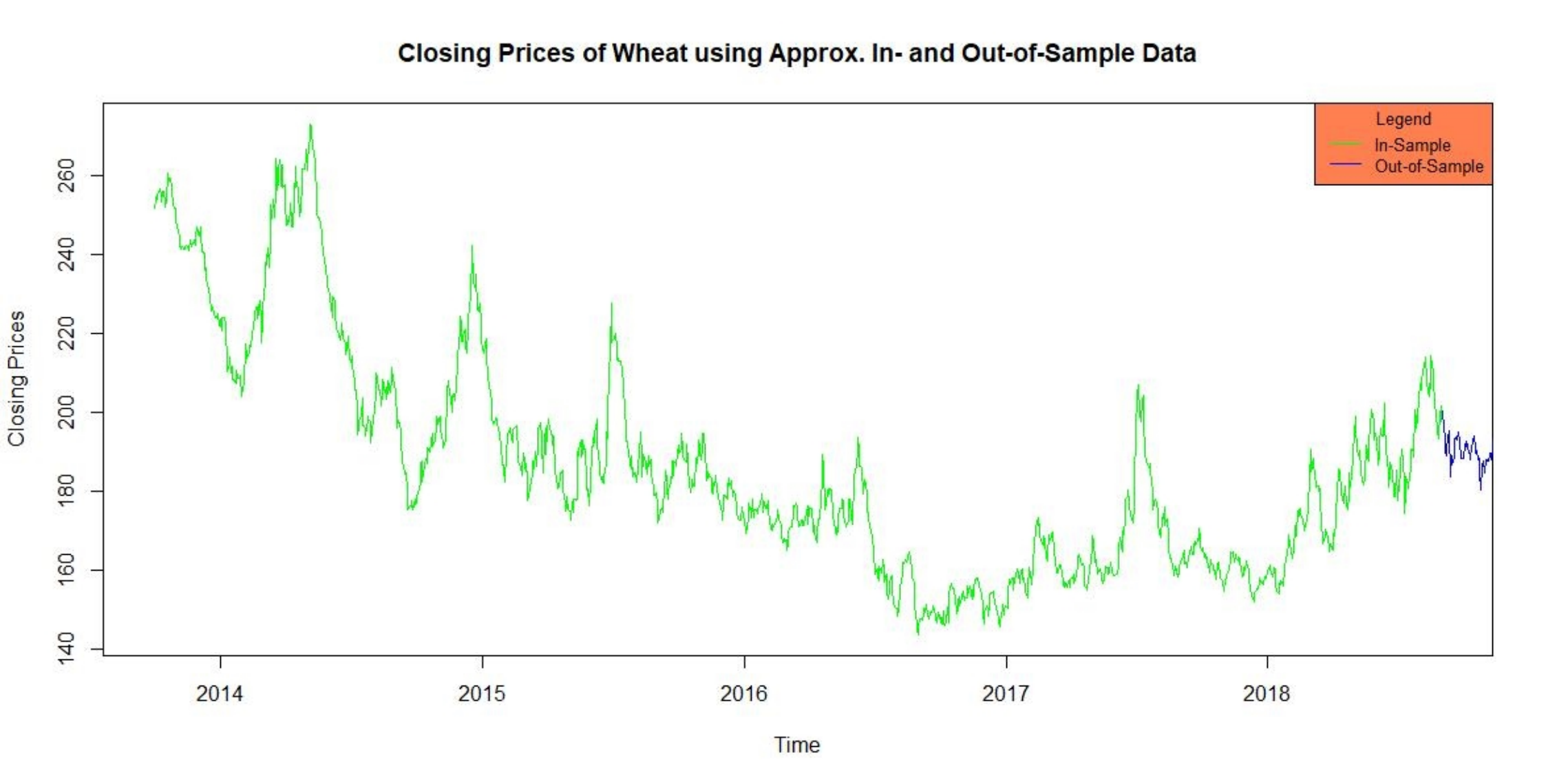

Closing Prices of Nickel using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
200
250
300
350
400
450
2014
2015
2016
2017
2018
Time

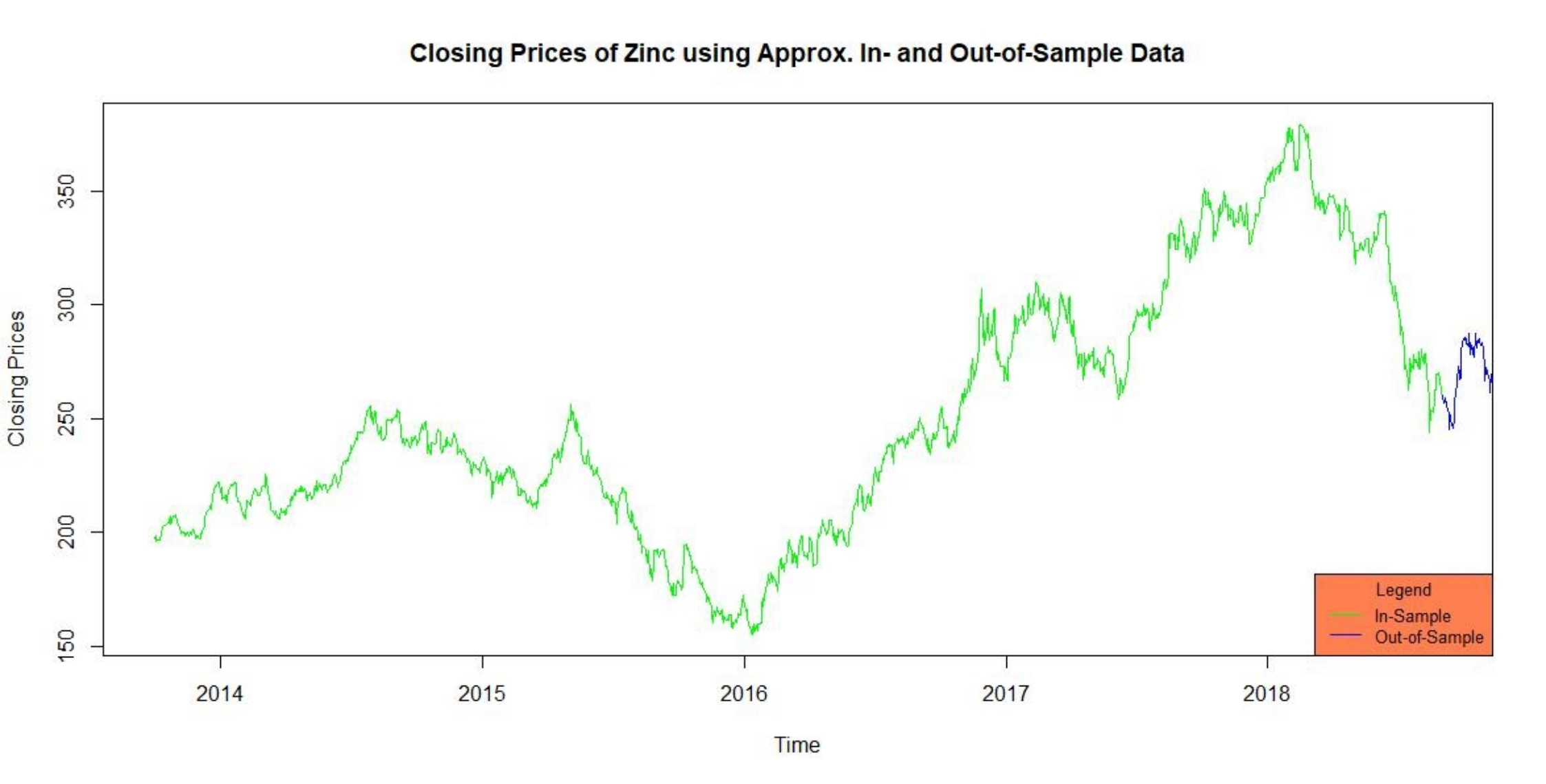

Closing Prices of Petroleum using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
40
60
80
100
120
140
160
2014
2015
2016
2017
2018
Time

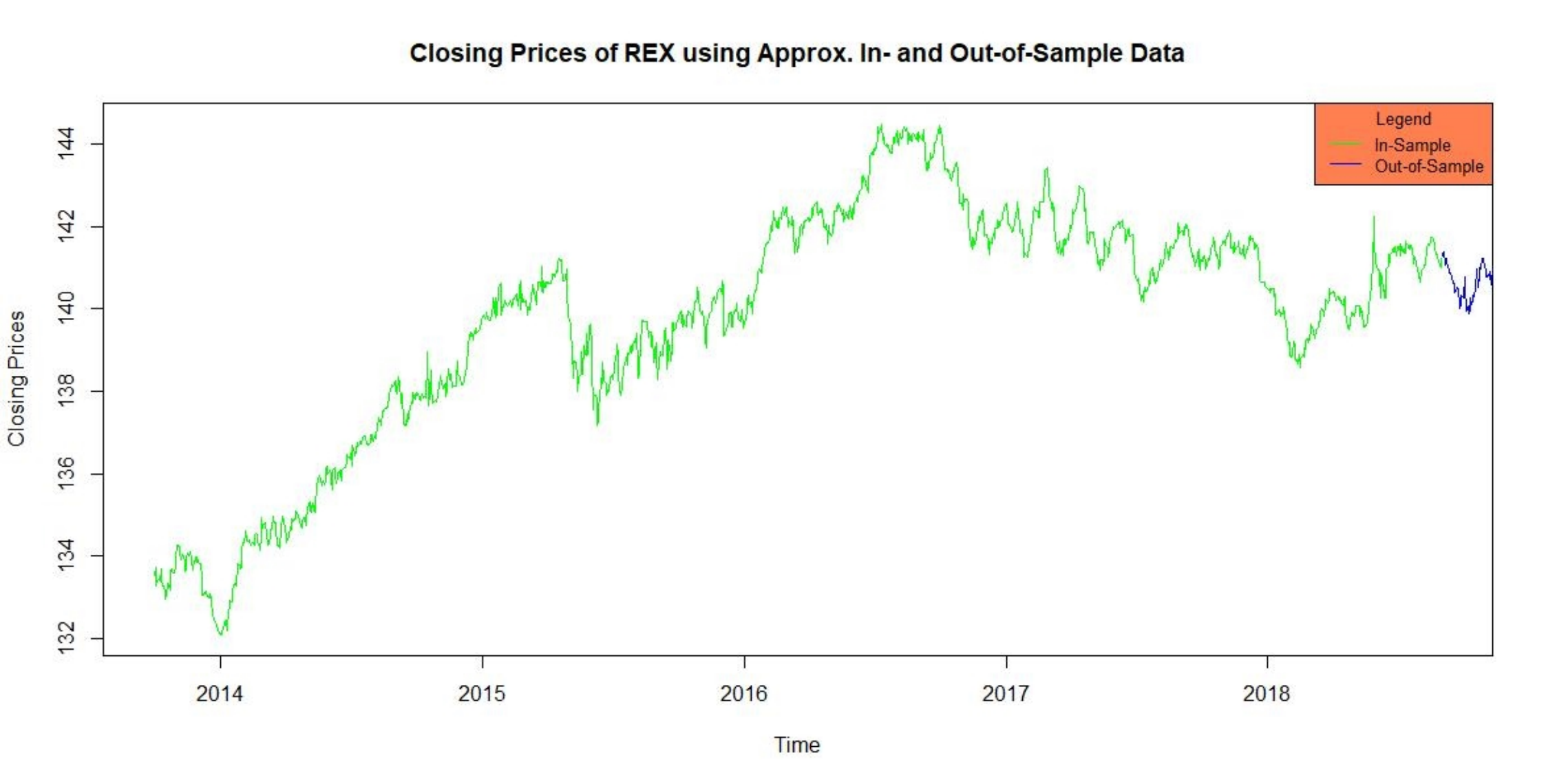

Closing Prices of Silver using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
450
400
350
300
2014
2015
2016
2017
2018
Time

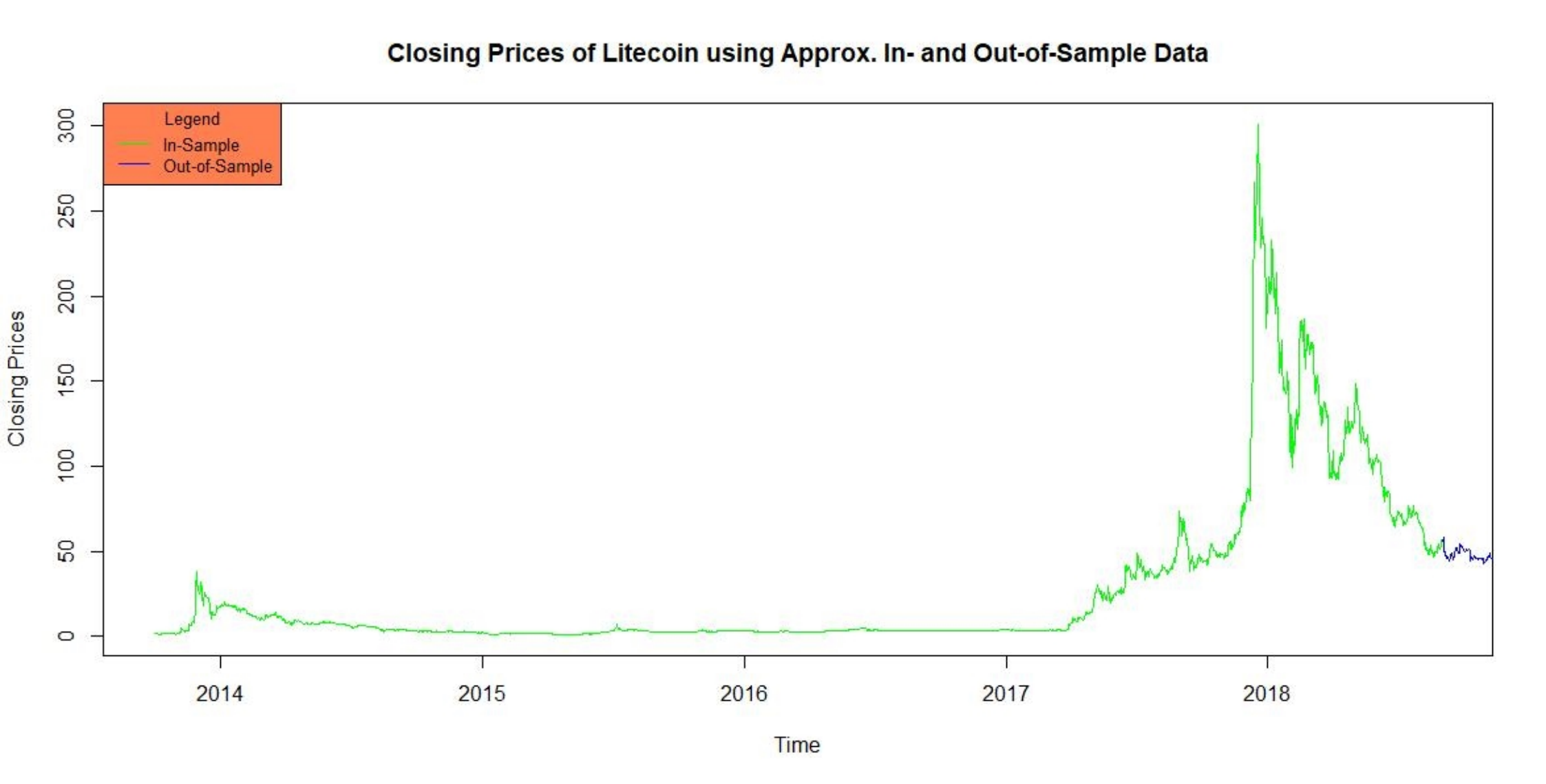

Closing Prices of Soybeans using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
160
180
200
220
240
260
280
2014
2015
2016
2017
2018
Time

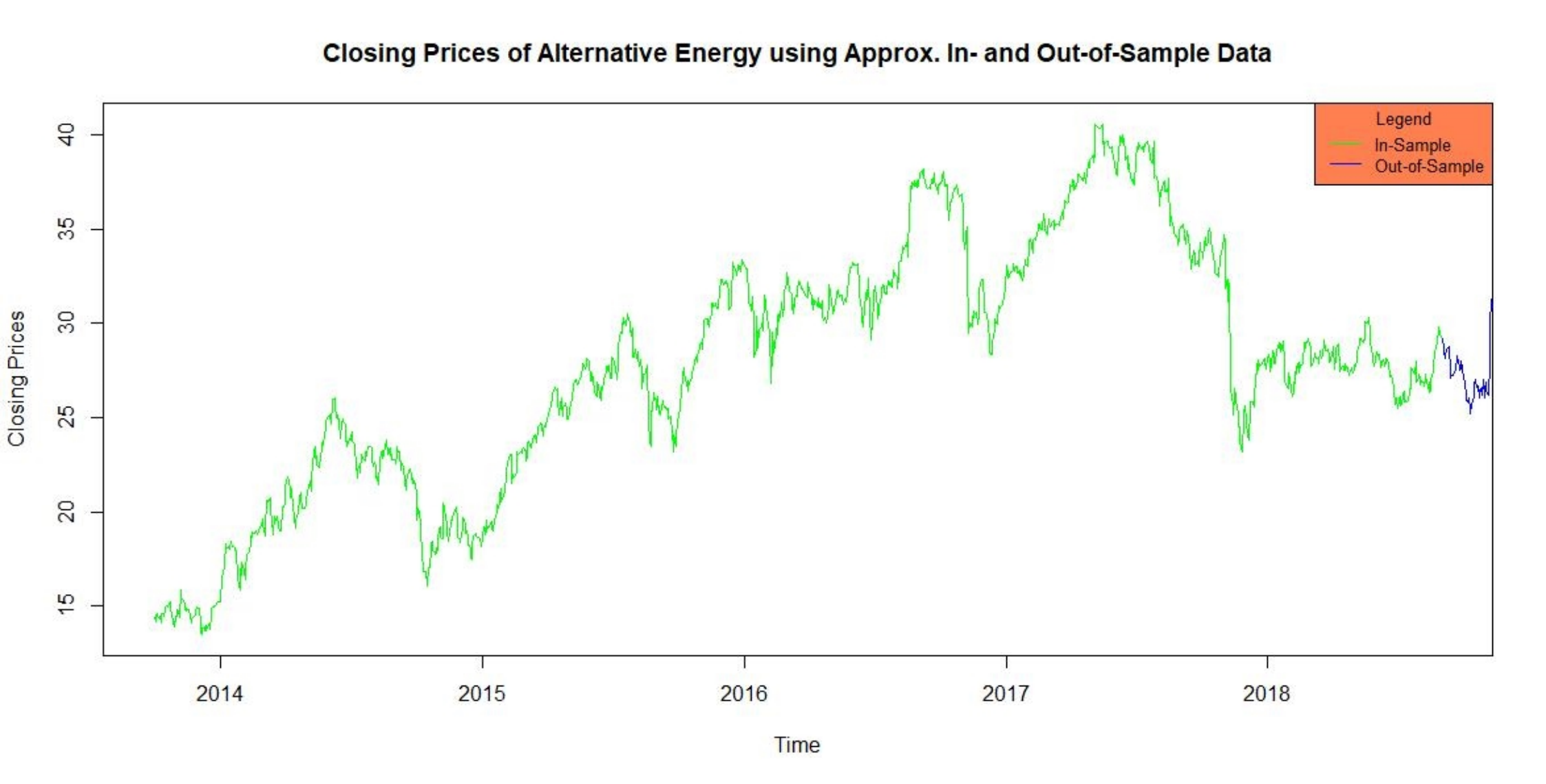

Closing Prices of Sugar using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
150
200
250
300
2014
2015
2016
2017
2018
Time

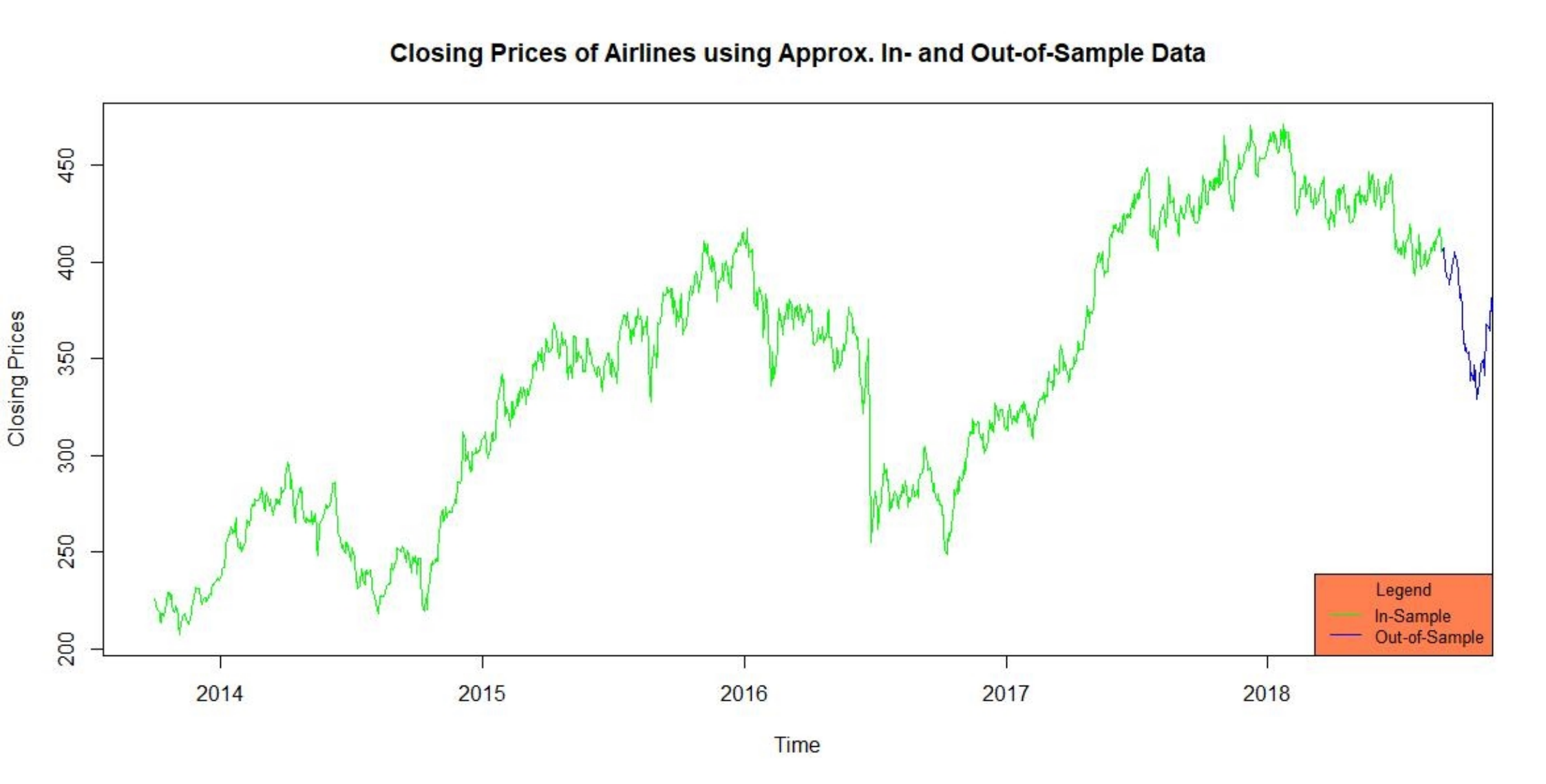

Closing Prices of Wheat using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
140
160
180
200
220
240
260
2014
2015
2016
2017
2018
Time

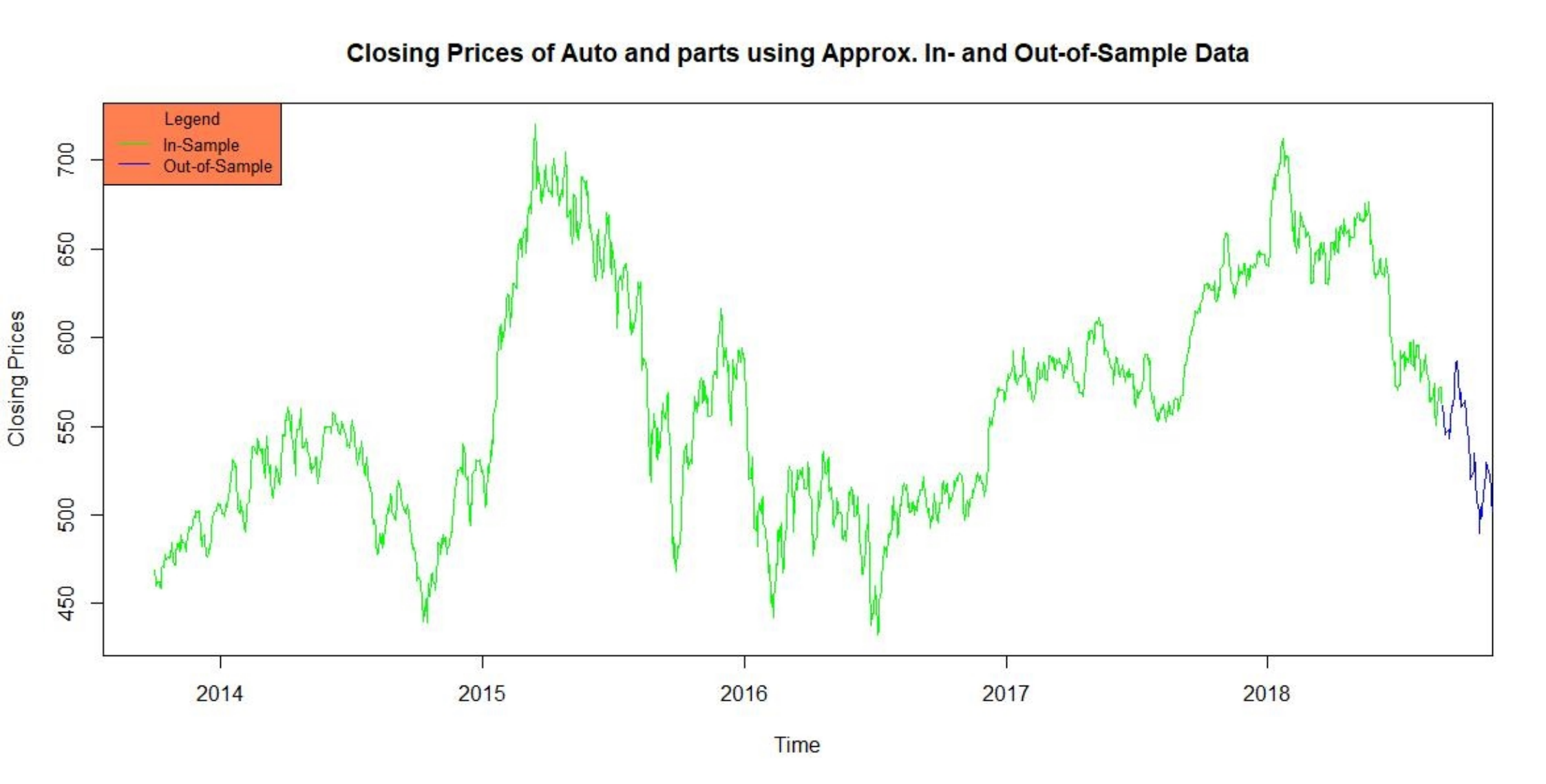

Closing Prices of Zinc using Approx. In- and Out-of-Sample Data
Closing Prices
150
200
250
300
350
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

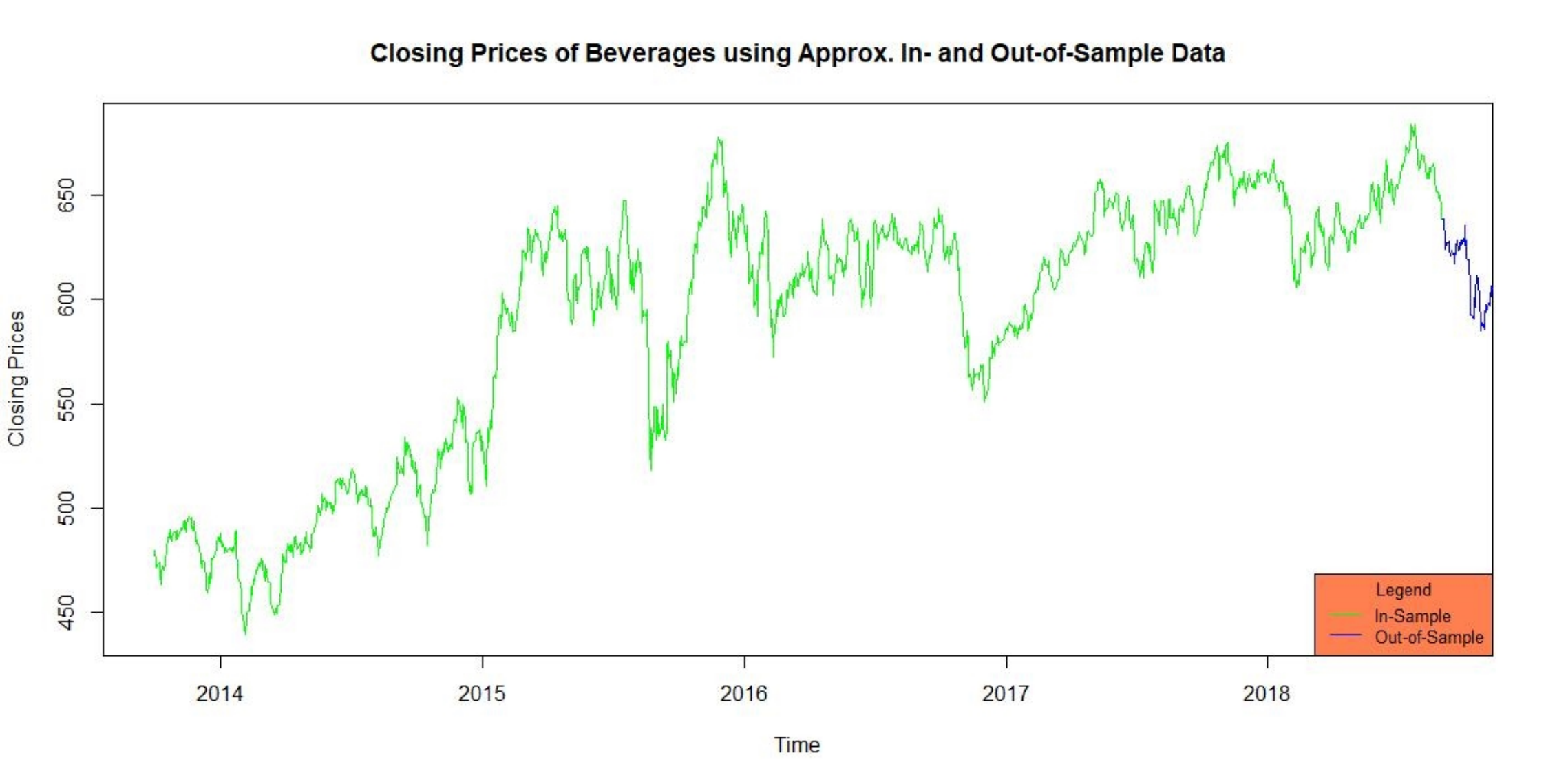

Closing Prices of REX using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
132
134
136
138
140
142
144
2014
2015
2016
2017
2018
Time

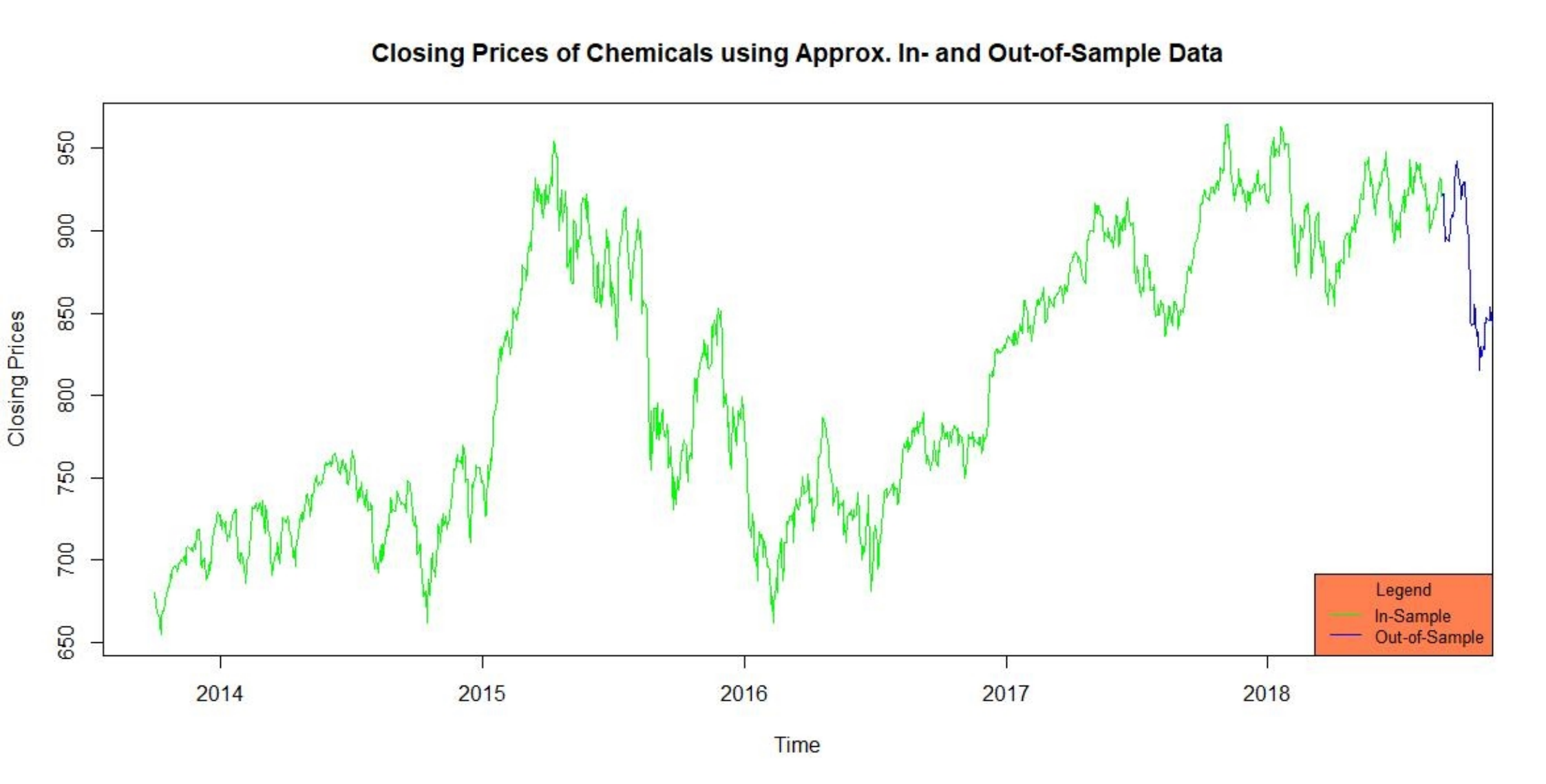

Closing Prices of Litecoin using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
0
50
100
150
200
250
300
2014
2015
2016
2017
2018
Time

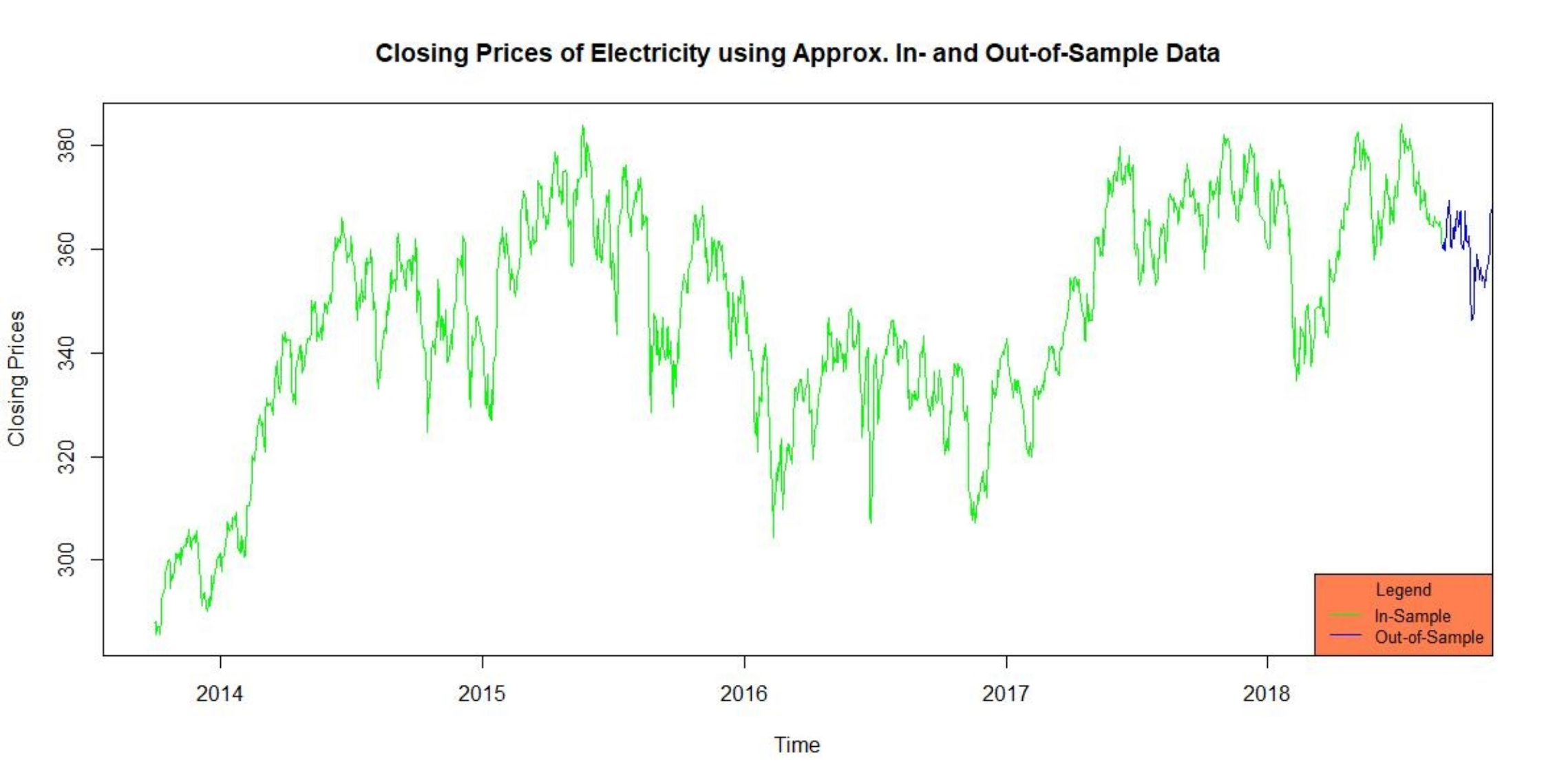

Closing Prices of Alternative Energy using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
15
20
25
30
35
40
2014
2015
2016
2017
2018
Time

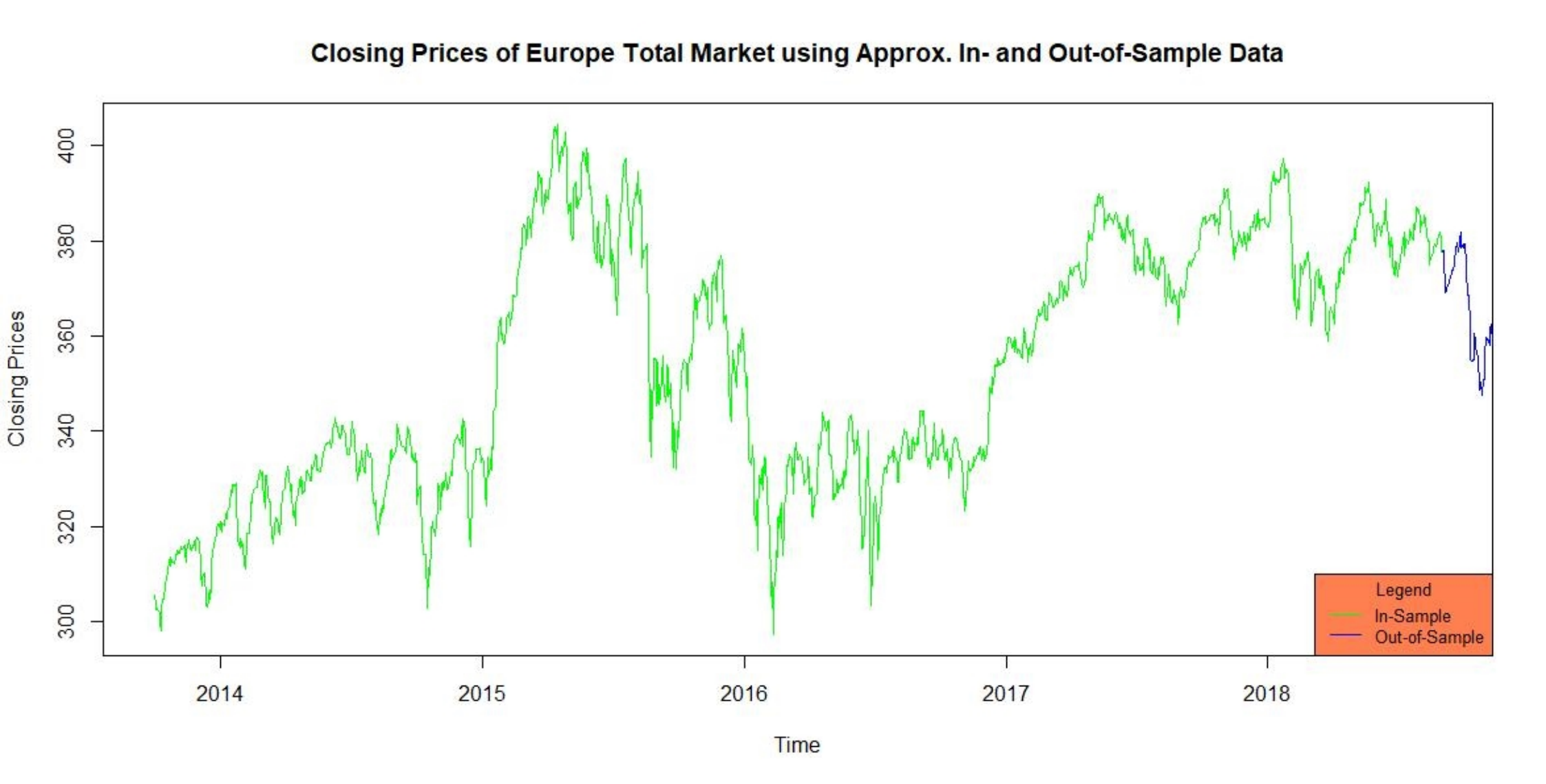

Closing Prices of Airlines using Approx. In- and Out-of-Sample Data
Closing Prices
200
250
300
350
400
450
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

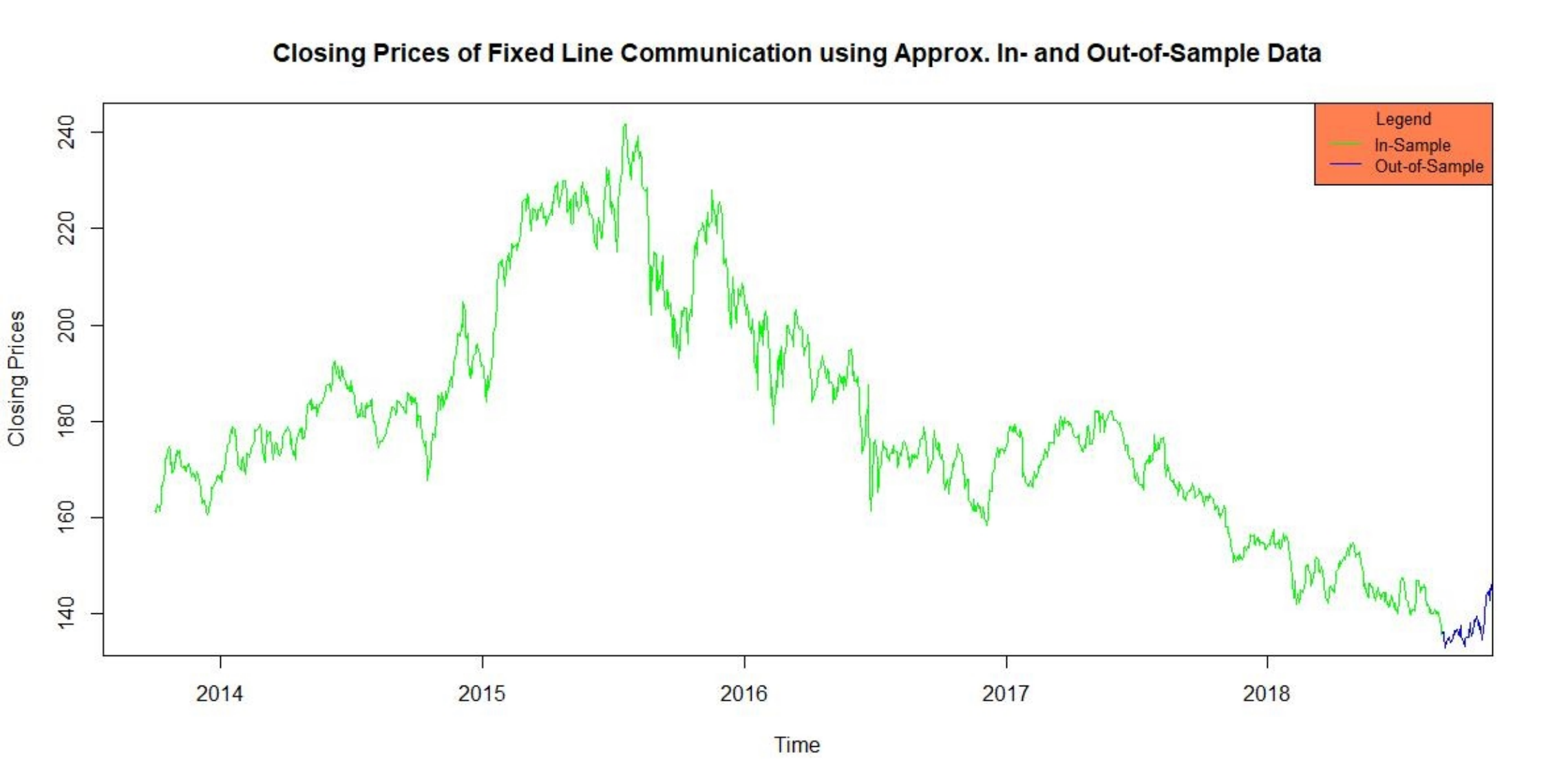

Closing Prices of Auto and parts using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
450
500
550
600
650
700
2014
2015
2016
2017
2018
Time

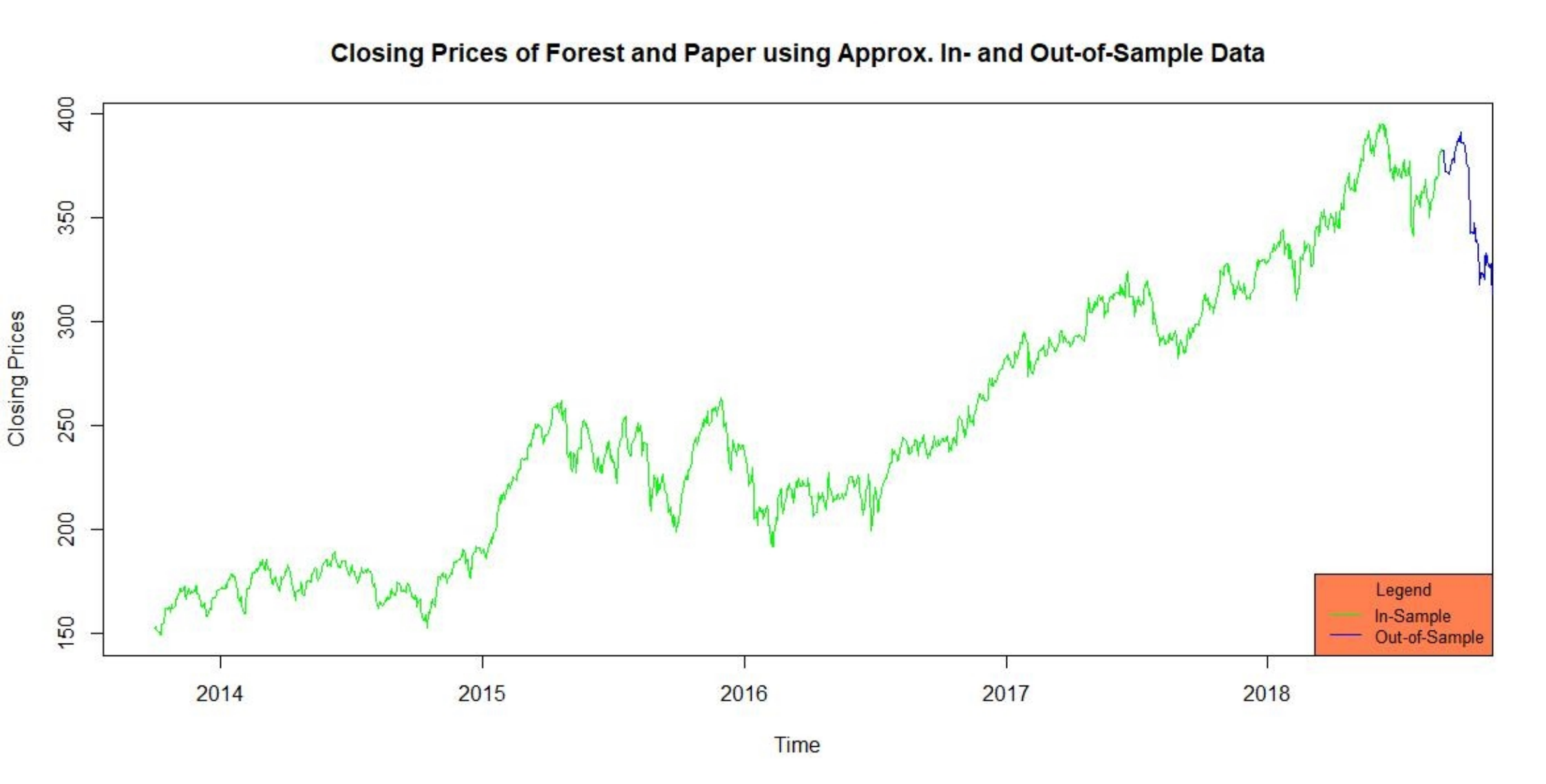

Closing Prices of Beverages using Approx. In- and Out-of-Sample Data
Closing Prices
450
500
550
600
650
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

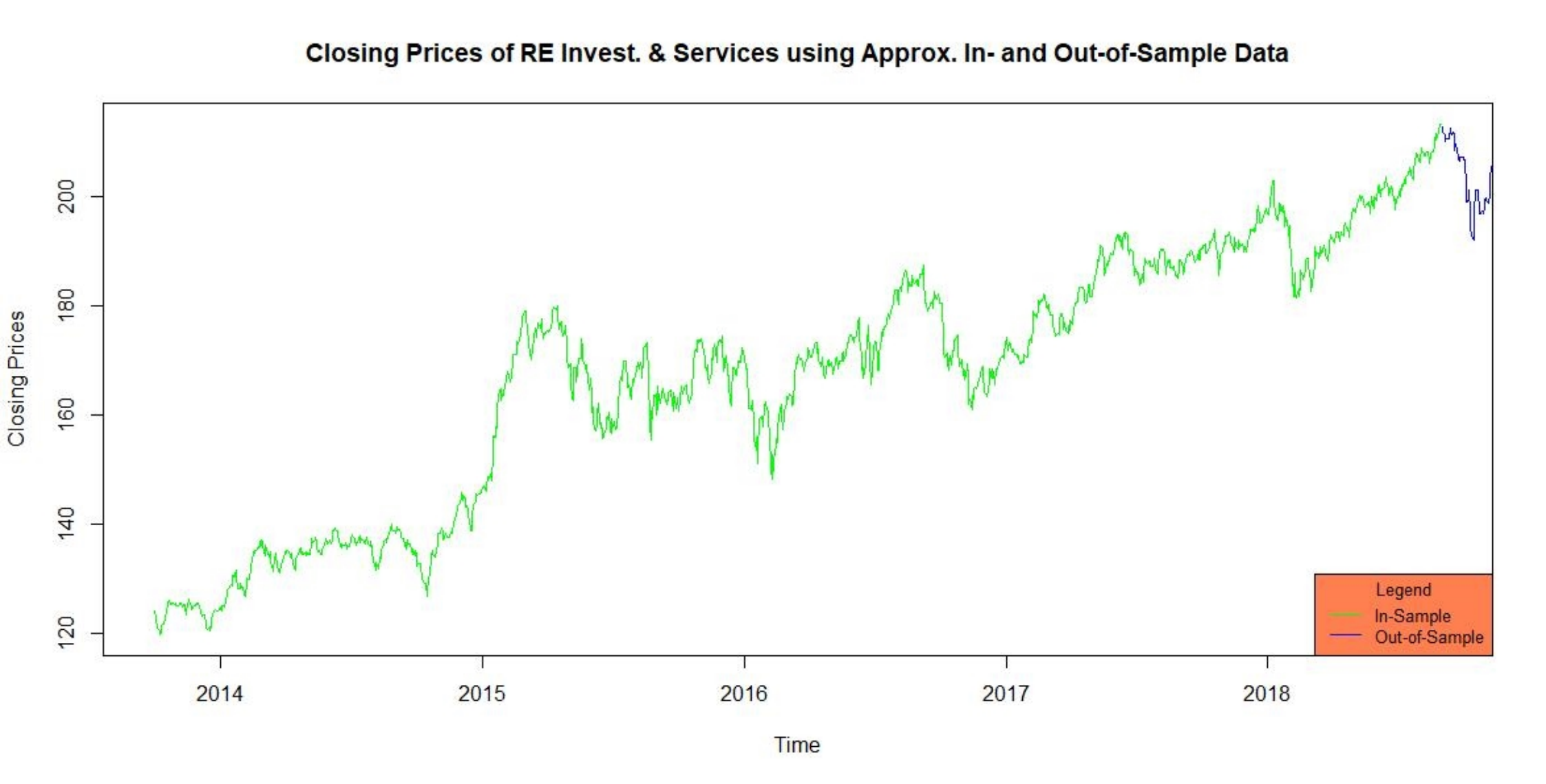

Closing Prices of Chemicals using Approx. In- and Out-of-Sample Data
Closing Prices
650
700
750
800
850
900
950
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Closing Prices of Electricity using Approx. In- and Out-of-Sample Data
Closing Prices
300
320
340
360
380
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

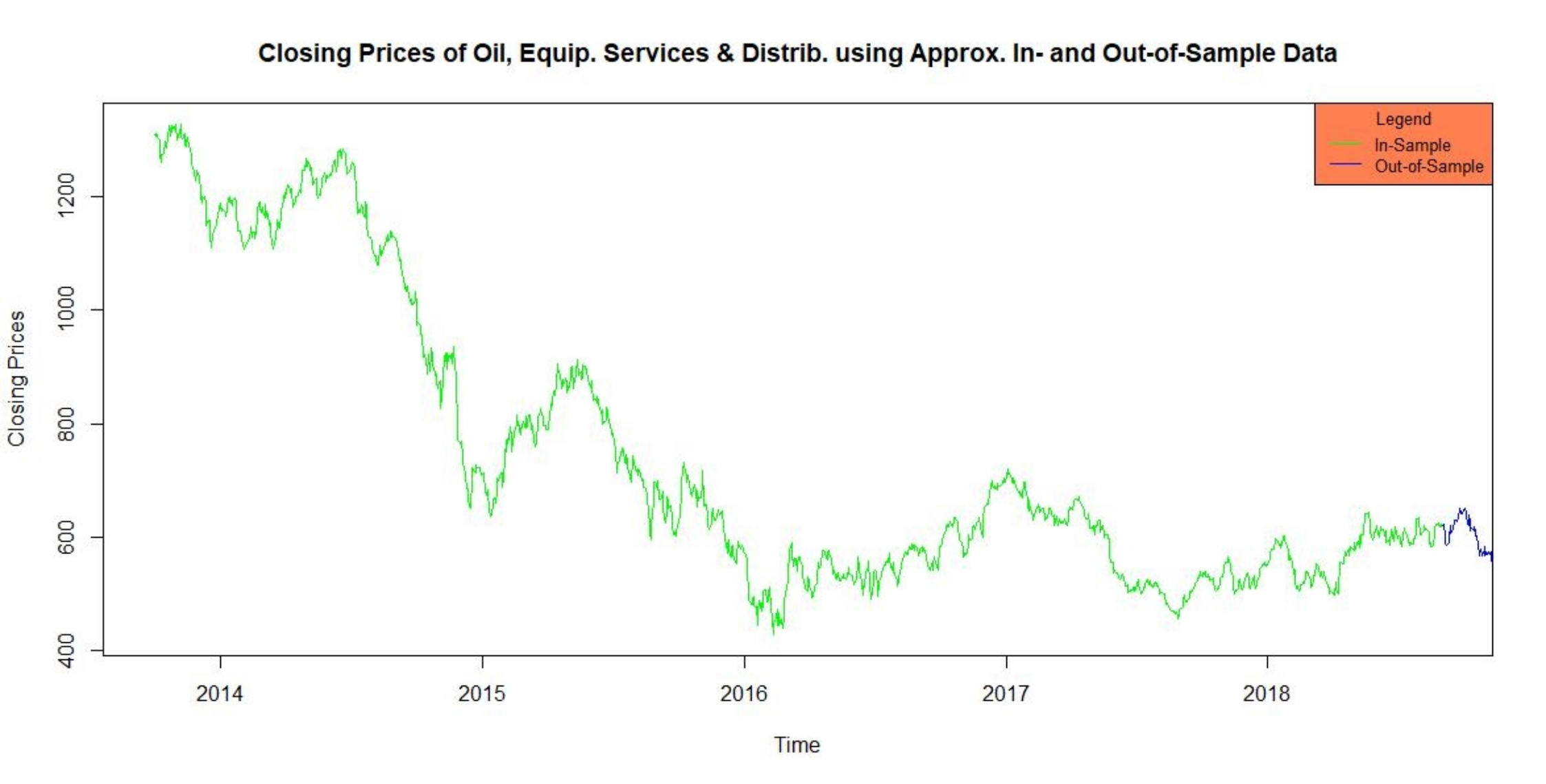

Closing Prices of Europe Total Market using Approx. In- and Out-of-Sample Data
Closing Prices
300
320
340
360
380
400
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

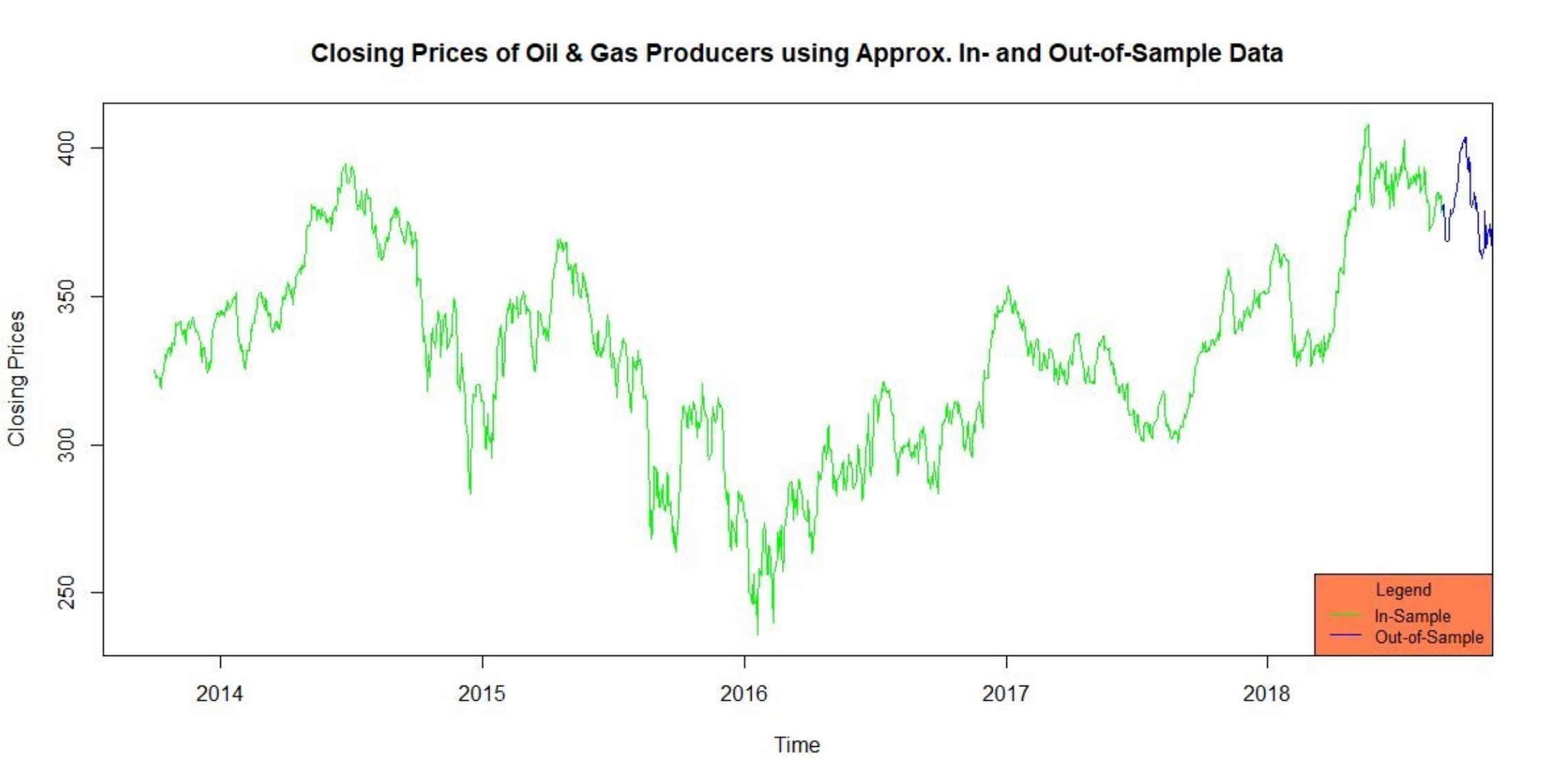

Closing Prices of Fixed Line Communication using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
140
160
180
200
220
240
2014
2015
2016
2017
2018
Time

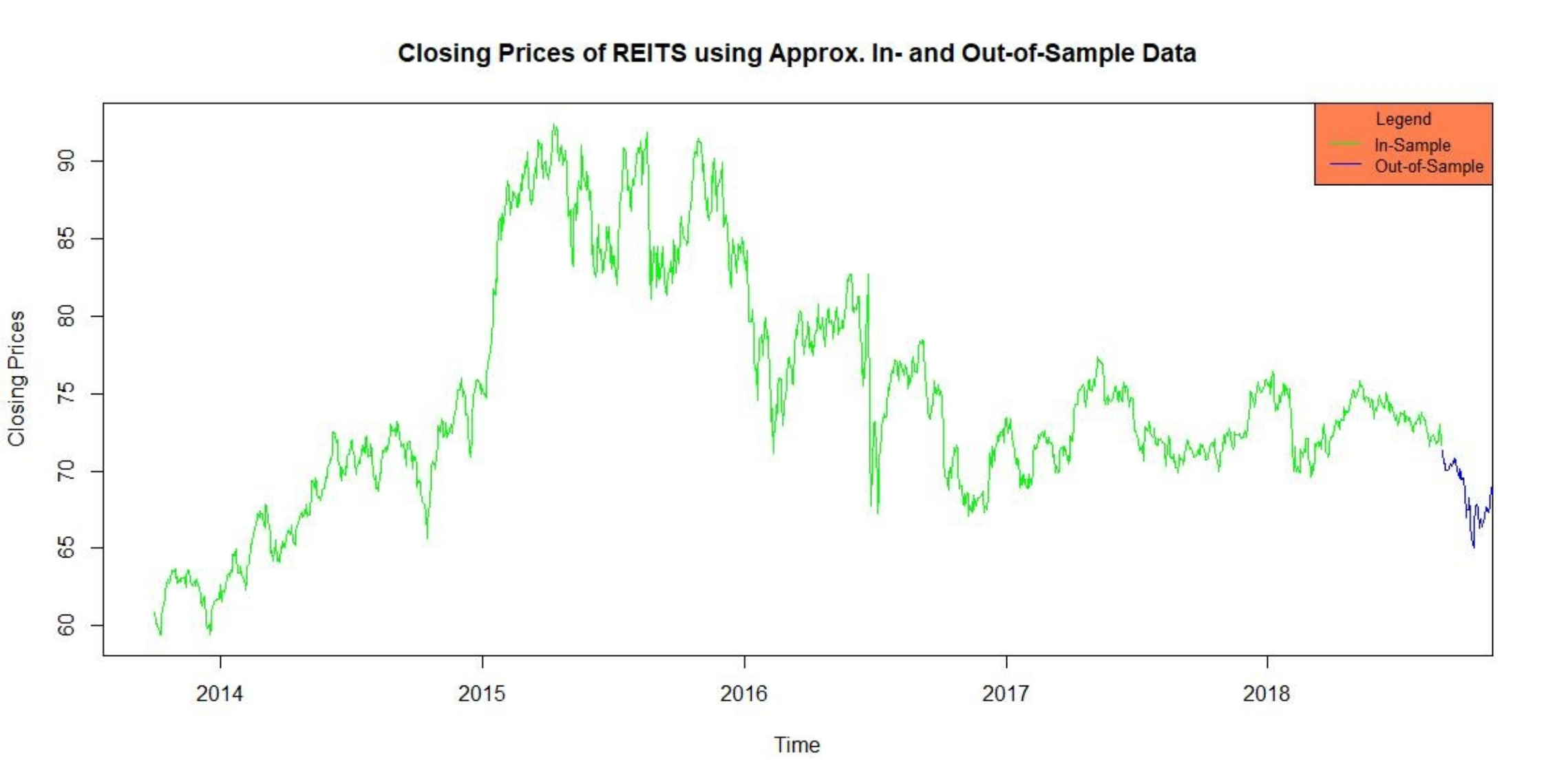

Closing Prices of Forest and Paper using Approx. In- and Out-of-Sample Data
Closing Prices
150
200
250
300
350
400
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

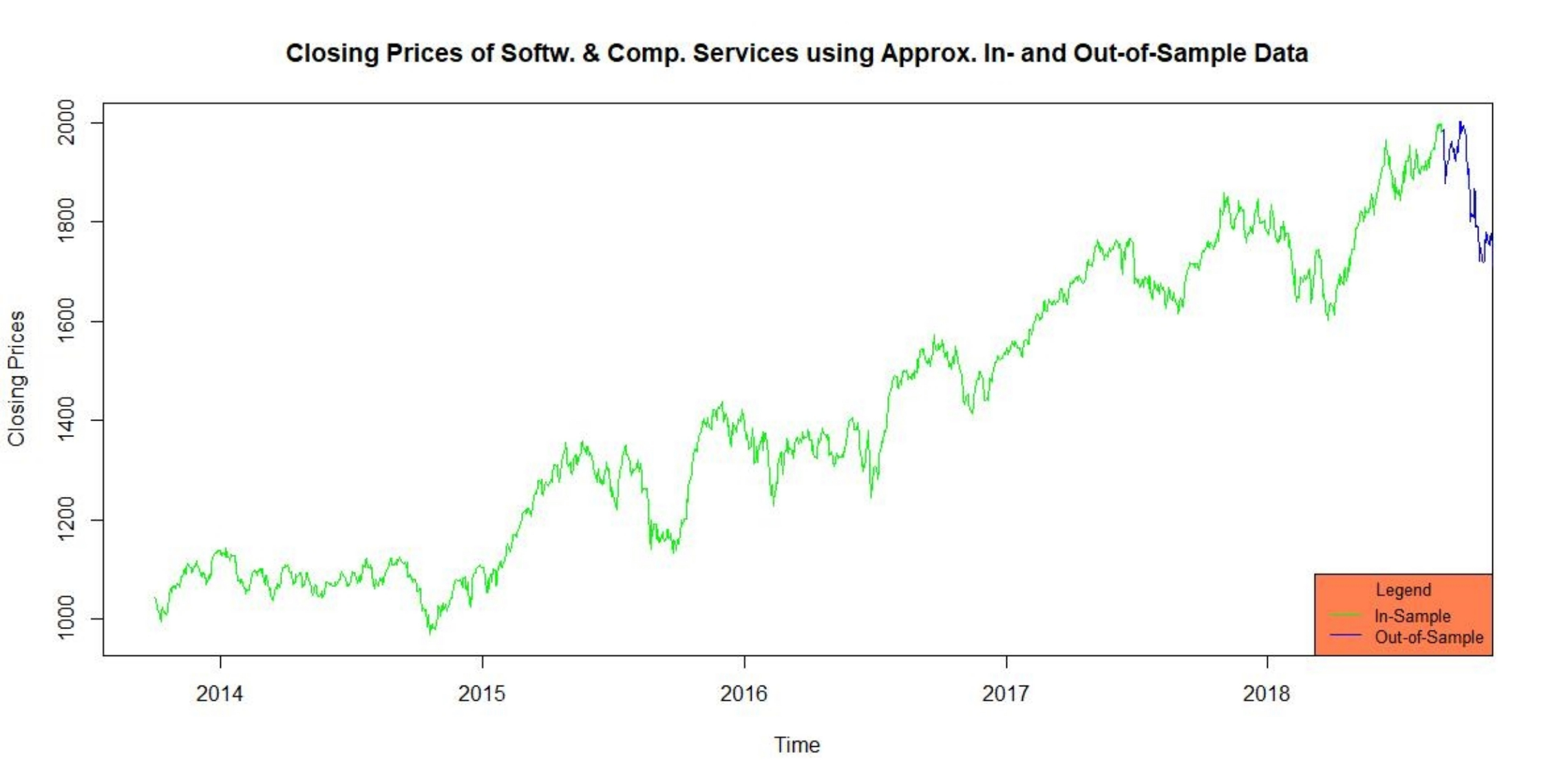

Closing Prices of RE Invest. & Services using Approx. In- and Out-of-Sample Data
Closing Prices
120
140
160
180
200
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

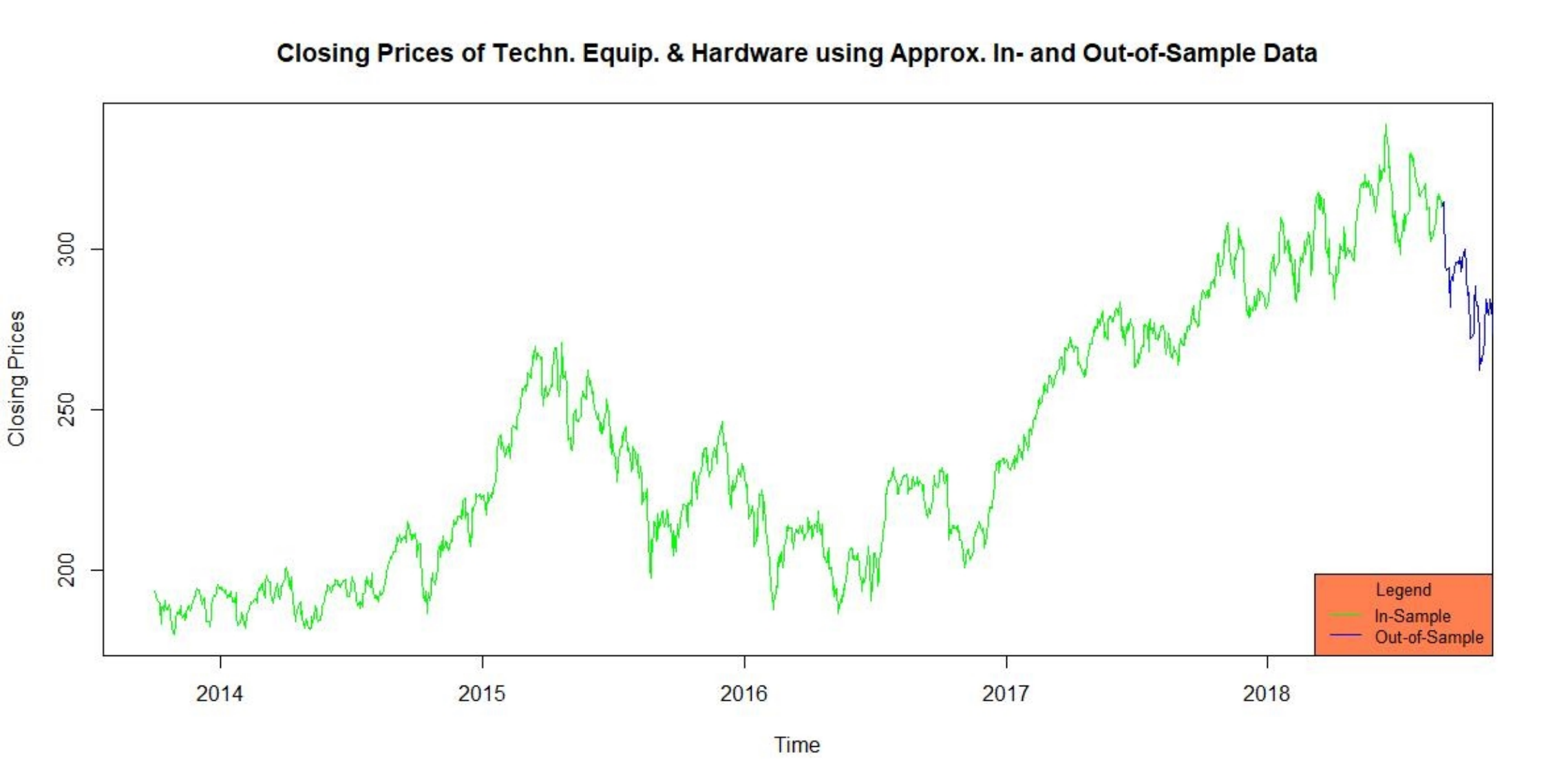

Closing Prices of Mobile Telecommunication using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
800
900
1000
1100
2014
2015
2016
2017
2018
Time

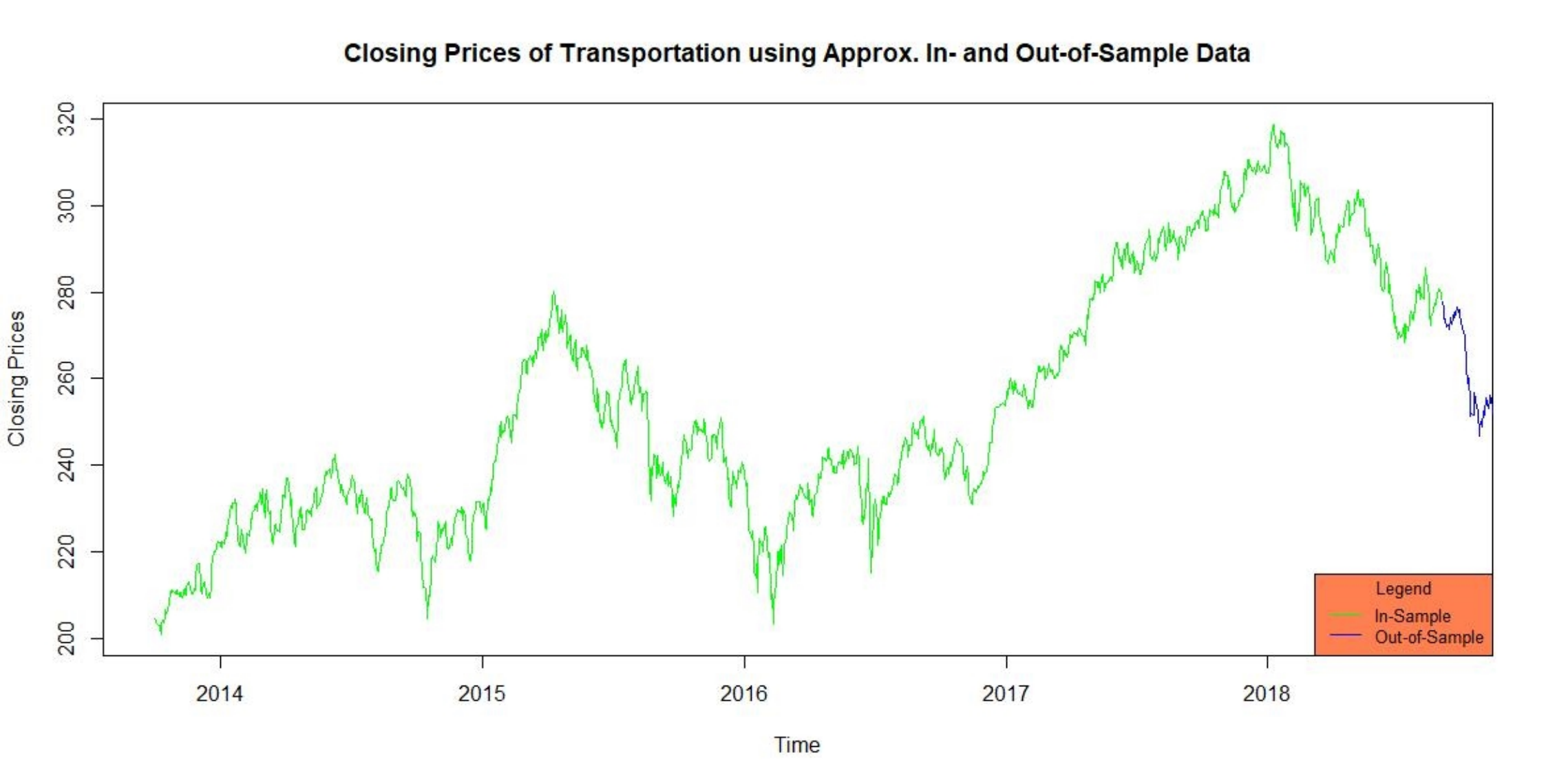

Closing Prices of Oil, Equip. Services & Distrib. using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
400
600
800
1000
1200
2014
2015
2016
2017
2018
Time

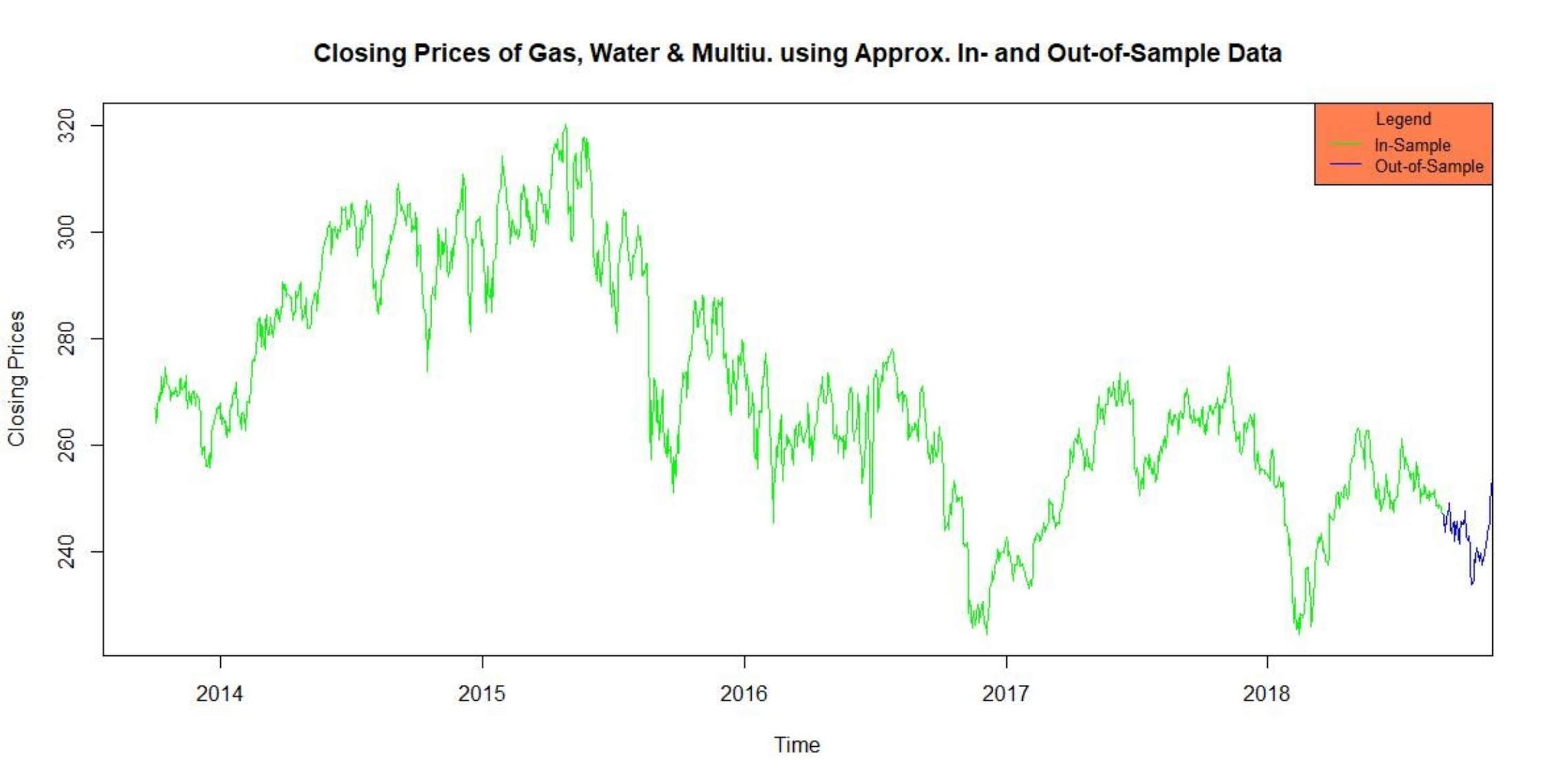

Closing Prices of Oil & Gas Producers using Approx. In- and Out-of-Sample Data
Closing Prices
250
300
350
400
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Closing Prices of REITS using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
60
65
70
75
80
85
90
2014
2015
2016
2017
2018
Time


Closing Prices of Softw. & Comp. Services using Approx. In- and Out-of-Sample Data
Closing Prices
1000
1200
1400
1600
1800
2000
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Closing Prices of Techn. Equip. & Hardware using Approx. In- and Out-of-Sample Data
Closing Prices
200
250
300
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Closing Prices of Transportation using Approx. In- and Out-of-Sample Data
Closing Prices
200
220
240
260
280
300
320
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Closing Prices of Gas, Water & Multiu. using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Closing Prices
240
260
280
300
320
2014
2015
2016
2017
2018
Time

DIGITAL APPENDIX B

DIGITAL APPENDIX B

B_ [CODE]_Chapter 3.3._Returns

```
#Prepare Dataset
dc<-read.csv("D:/01_Mareike/Promotion/Data/FINAL DATA_Okt2013-Feb2019.csv", header = TRUE, sep =";")
t<-as.Date(d$date,format="%d.%m.%Y")
```

```
#Preparing R
require("tseries")
require("urca")
require("zoo")
require("PerformanceAnalytics")
require("SciViews")
require("dplyr")
require("forecast")
require("rugarch")
require("Metrics")
require("Dowd")
```

```
#Defining variables
DJAC<-d$DJAC
DJAL<-d$DJAL
DJCC<-d$DJCC
DJCF<-d$DJCF
DJCP<-d$DJCP
DJCT<-d$DJCT
DJLE<-d$DJLE
DJGO<-d$DJGO
DJNI<-d$DJNI
DJSI<-d$DJSI
DJSU<-d$DJSU
DJWE<-d$DJWE
DJZI<-d$DJZI
DJLH<-d$DJLH
DJNG<-d$DJNG
DJPE<-d$DJPE
DJSO<-d$DJSO
SEFP<-d$SEFP
SEEC<-d$SEEC
SEFL<-d$SEFL
SEUT<-d$SEUT
SETR<-d$SETR
SEMO<-d$SEMO
SEOG<-d$SEOG
SEOE<-d$SEOE
SEAI<-d$SEAI
SEIS<-d$SEIS
SERE<-d$SERE
SEAE<-d$SEAE
SESO<-d$SESO
SETE<-d$SETE
SEBE<-d$SEBE
SEET<-d$SEET
SEAP<-d$SEAP
SECH<-d$SECH
BITC<-d$BITC
LITC<-d$LITC
GREX<-d$GREX
DAXP<-d$DAXP
```

```
#Replace missing values
DJACaprx<-na.approx(DJAC)
DJALaprx<-na.approx(DJAL)
DJCCaprx<-na.approx(DJCC)
DJCFaprx<-na.approx(DJCF)
DJCPaprx<-na.approx(DJCP)
DJCTaprx<-na.approx(DJCT)
DJLEaprx<-na.approx(DJLE)
DJGOaprx<-na.approx(DJGO)
DJNIaprx<-na.approx(DJNI)
DJSIaprx<-na.approx(DJSI)
DJSUaprx<-na.approx(DJSU)
DJWEaprx<-na.approx(DJWE)
DJZIaprx<-na.approx(DJZI)
DJLHaprx<-na.approx(DJLH)
DJNGaprx<-na.approx(DJNG)
DJPEaprx<-na.approx(DJPE)
DJSOaprx<-na.approx(DJSO)
SEFPaprx<-na.approx(SEFP)
SEECaprx<-na.approx(SEEC)
SEFLaprx<-na.approx(SEFL)
SEUTaprx<-na.approx(SEUT)
SETRaprx<-na.approx(SETR)
SEMOaprx<-na.approx(SEMO)
SEOGaprx<-na.approx(SEOG)
SEOEaprx<-na.approx(SEOE)
SEAIaprx<-na.approx(SEAI)
SEISaprx<-na.approx(SEIS)
SEREaprx<-na.approx(SERE)
SEAEaprx<-na.approx(SEAE)
SESOaprx<-na.approx(SESO)
SETEaprx<-na.approx(SETE)
SEBEaprx<-na.approx(SEBE)
SEETaprx<-na.approx(SEET)
SECHaprx<-na.approx(SECH)
SEAPaprx<-na.approx(SEAP)
BITCaprx<-na.approx(BITC)
LITCaprx<-na.approx(LITC)
GREXaprx<-na.approx(GREX)
DAXPaprx<-na.approx(DAXP)
```

```
#Returncalculation for the whole Data Set with aproximated data.
DJACret<-ln(DJACaprx/lead(DJACaprx, 1))[1:1976]
DJALret<-ln(DJALaprx/lead(DJALaprx, 1))[1:1976]
DJCCret<-ln(DJCCaprx/lead(DJCCaprx, 1))[1:1976]
DJCFret<-ln(DJCFaprx/lead(DJCFaprx, 1))[1:1976]
DJCPret<-ln(DJCPaprx/lead(DJCPaprx, 1))[1:1976]
DJCTret<-ln(DJCTaprx/lead(DJCTaprx, 1))[1:1976]
DJLEret<-ln(DJLEaprx/lead(DJLEaprx, 1))[1:1976]
DJGOret<-ln(DJGOaprx/lead(DJGOaprx, 1))[1:1976]
DJNIret<-ln(DJNIaprx/lead(DJNIaprx, 1))[1:1976]
DJSIret<-ln(DJSIaprx/lead(DJSIaprx, 1))[1:1976]
DJSUret<-ln(DJSUaprx/lead(DJSUaprx, 1))[1:1976]
DJWEret<-ln(DJWEaprx/lead(DJWEaprx, 1))[1:1976]
DJZIret<-ln(DJZIaprx/lead(DJZIaprx, 1))[1:1976]
DJLHret<-ln(DJLHaprx/lead(DJLHaprx, 1))[1:1976]
DJNGret<-ln(DJNGaprx/lead(DJNGaprx, 1))[1:1976]
DJPEret<-ln(DJPEaprx/lead(DJPEaprx, 1))[1:1976]
DJSOret<-ln(DJSOaprx/lead(DJSOaprx, 1))[1:1976]
SEFPret<-ln(SEFPaprx/lead(SEFPaprx, 1))[1:1976]
SEECret<-ln(SEECaprx/lead(SEECaprx, 1))[1:1976]
SEFLret<-ln(SEFLaprx/lead(SEFLaprx, 1))[1:1976]
SEUTret<-ln(SEUTaprx/lead(SEUTaprx, 1))[1:1976]
SETRret<-ln(SETRaprx/lead(SETRaprx, 1))[1:1976]
SEMOret<-ln(SEMOaprx/lead(SEMOaprx, 1))[1:1976]
SEOGret<-ln(SEOGaprx/lead(SEOGaprx, 1))[1:1976]
SEOEret<-ln(SEOEaprx/lead(SEOEaprx, 1))[1:1976]
SEAIret<-ln(SEAIaprx/lead(SEAIaprx, 1))[1:1976]
SEISret<-ln(SEISaprx/lead(SEISaprx, 1))[1:1976]
SEREret<-ln(SEREaprx/lead(SEREaprx, 1))[1:1976]
SEAEret<-ln(SEAEaprx/lead(SEAEaprx, 1))[1:1976]
SESOret<-ln(SESOaprx/lead(SESOaprx, 1))[1:1976]
SETEret<-ln(SETEaprx/lead(SETEaprx, 1))[1:1976]
SEBEret<-ln(SEBEaprx/lead(SEBEaprx, 1))[1:1976]
SEETret<-ln(SEETaprx/lead(SEETaprx, 1))[1:1976]
SECHret<-ln(SECHaprx/lead(SECHaprx, 1))[1:1976]
SEAPret<-ln(SEAPaprx/lead(SEAPaprx, 1))[1:1976]
BITCret<-ln(BITCaprx/lead(BITCaprx, 1))[1:1976]
LITCret<-ln(LITCaprx/lead(LITCaprx, 1))[1:1976]
GREXret<-ln(GREXaprx/lead(GREXaprx, 1))[1:1976]
DAXPret<-ln(DAXPaprx/lead(DAXPaprx, 1))[1:1976]
```

```
Format as data.frame
datDJACret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJACret))
datDJALret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJALret))
datDJCCret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJCCret))
datDJCFret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJCFret))
datDJCPret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJCPret))
datDJCTret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJCTret))
datDJLEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJLEret))
datDJGOret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJGOret))
datDJNIret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJNIret))
datDJSIret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJSIret))
datDJSUret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJSUret))
datDJWEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJWEret))
datDJZIret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJZIret))
datDJLHret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJLHret))
datDJNGret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJNGret))
datDJPEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJPEret))
datDJSOret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DJSOret))
datSEFPret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEFPret))
datSEECret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEECret))
datSEFLret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEFLret))
datSEUTret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEUTret))
datSETRret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SETRret))
datSEMOret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEMOret))
datSEOGret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEOGret))
datSEOEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEOEret))
datSEAIret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEAIret))
datSEISret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEISret))
datSEREret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEREret))
datSEAEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEAEret))
datSESOret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SESOret))
datSETEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SETEret))
datSEBEret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEBEret))
datSEETret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEETret))
datSECHret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SECHret))
datSEAPret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(SEAPret))
datBITCret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(BITCret))
datLITCret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(LITCret))
datGREXret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(GREXret))
datDAXPret <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2019-02-28") , by = 1), rev(DAXPret))
```

```
#Returncalculation for in-sample Data Set with aproximated data.
DJACretINSA<-ln(DJACaprx[182:1977]/lead(DJACaprx[182:1977], 1))[1:1795]
DJALretINSA<-ln(DJALaprx[182:1977]/lead(DJALaprx[182:1977], 1))[1:1795]
DJCCretINSA<-ln(DJCCaprx[182:1977]/lead(DJCCaprx[182:1977], 1))[1:1795]
DJCFretINSA<-ln(DJCFaprx[182:1977]/lead(DJCFaprx[182:1977], 1))[1:1795]
DJCPretINSA<-ln(DJCPaprx[182:1977]/lead(DJCPaprx[182:1977], 1))[1:1795]
DJCTretINSA<-ln(DJCTaprx[182:1977]/lead(DJCTaprx[182:1977], 1))[1:1795]
DJLEretINSA<-ln(DJLEaprx[182:1977]/lead(DJLEaprx[182:1977], 1))[1:1795]
DJGOretINSA<-ln(DJGOaprx[182:1977]/lead(DJGOaprx[182:1977], 1))[1:1795]
DJNIretINSA<-ln(DJNIaprx[182:1977]/lead(DJNIaprx[182:1977], 1))[1:1795]
DJSIretINSA<-ln(DJSIaprx[182:1977]/lead(DJSIaprx[182:1977], 1))[1:1795]
DJSUretINSA<-ln(DJSUaprx[182:1977]/lead(DJSUaprx[182:1977], 1))[1:1795]
DJWEretINSA<-ln(DJWEaprx[182:1977]/lead(DJWEaprx[182:1977], 1))[1:1795]
DJZIretINSA<-ln(DJZIaprx[182:1977]/lead(DJZIaprx[182:1977], 1))[1:1795]
DJLHretINSA<-ln(DJLHaprx[182:1977]/lead(DJLHaprx[182:1977], 1))[1:1795]
DJNGretINSA<-ln(DJNGaprx[182:1977]/lead(DJNGaprx[182:1977], 1))[1:1795]
DJPEretINSA<-ln(DJPEaprx[182:1977]/lead(DJPEaprx[182:1977], 1))[1:1795]
DJSOretINSA<-ln(DJSOaprx[182:1977]/lead(DJSOaprx[182:1977], 1))[1:1795]
SEFPretINSA<-ln(SEFPaprx[182:1977]/lead(SEFPaprx[182:1977], 1))[1:1795]
SEECretINSA<-ln(SEECaprx[182:1977]/lead(SEECaprx[182:1977], 1))[1:1795]
SEFLretINSA<-ln(SEFLaprx[182:1977]/lead(SEFLaprx[182:1977], 1))[1:1795]
SEUTretINSA<-ln(SEUTaprx[182:1977]/lead(SEUTaprx[182:1977], 1))[1:1795]
SETRretINSA<-ln(SETRaprx[182:1977]/lead(SETRaprx[182:1977], 1))[1:1795]
SEMOretINSA<-ln(SEMOaprx[182:1977]/lead(SEMOaprx[182:1977], 1))[1:1795]
SEOGretINSA<-ln(SEOGaprx[182:1977]/lead(SEOGaprx[182:1977], 1))[1:1795]
SEOEretINSA<-ln(SEOEaprx[182:1977]/lead(SEOEaprx[182:1977], 1))[1:1795]
SEAIretINSA<-ln(SEAIaprx[182:1977]/lead(SEAIaprx[182:1977], 1))[1:1795]
SEISretINSA<-ln(SEISaprx[182:1977]/lead(SEISaprx[182:1977], 1))[1:1795]
SEREretINSA<-ln(SEREaprx[182:1977]/lead(SEREaprx[182:1977], 1))[1:1795]
SEAEretINSA<-ln(SEAEaprx[182:1977]/lead(SEAEaprx[182:1977], 1))[1:1795]
SESOretINSA<-ln(SESOaprx[182:1977]/lead(SESOaprx[182:1977], 1))[1:1795]
SETEretINSA<-ln(SETEaprx[182:1977]/lead(SETEaprx[182:1977], 1))[1:1795]
SEBEretINSA<-ln(SEBEaprx[182:1977]/lead(SEBEaprx[182:1977], 1))[1:1795]
SEETretINSA<-ln(SEETaprx[182:1977]/lead(SEETaprx[182:1977], 1))[1:1795]
SECHretINSA<-ln(SECHaprx[182:1977]/lead(SECHaprx[182:1977], 1))[1:1795]
SEAPretINSA<-ln(SEAPaprx[182:1977]/lead(SEAPaprx[182:1977], 1))[1:1795]
BITCretINSA<-ln(BITCaprx[182:1977]/lead(BITCaprx[182:1977], 1))[1:1795]
LITCretINSA<-ln(LITCaprx[182:1977]/lead(LITCaprx[182:1977], 1))[1:1795]
GREXretINSA<-ln(GREXaprx[182:1977]/lead(GREXaprx[182:1977], 1))[1:1795]
DAXPretINSA<-ln(DAXPaprx[182:1977]/lead(DAXPaprx[182:1977], 1))[1:1795]
```

```
Format as data.frame
datDJACretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJACretINSA))
datDJALretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJALretINSA))
datDJCCretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJCCretINSA))
datDJCFretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJCFretINSA))
datDJCPretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJCPretINSA))
datDJCTretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJCTretINSA))
datDJLEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJLEretINSA))
datDJGOretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJGOretINSA))
datDJNIretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJNIretINSA))
datDJSIretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJSIretINSA))
datDJSUretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJSUretINSA))
datDJWEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJWEretINSA))
datDJZIretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJZIretINSA))
datDJLHretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJLHretINSA))
datDJNGretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJNGretINSA))
datDJPEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJPEretINSA))
datDJSOretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DJSOretINSA))
datSEFPretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEFPretINSA))
datSEECretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEECretINSA))
datSEFLretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEFLretINSA))
datSEUTretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEUTretINSA))
datSETRretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SETRretINSA))
datSEMOretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEMOretINSA))
datSEOGretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEOGretINSA))
datSEOEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEOEretINSA))
datSEAIretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEAIretINSA))
datSEISretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEISretINSA))
datSEREretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEREretINSA))
datSEAEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEAEretINSA))
datSESOretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SESOretINSA))
datSETEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SETEretINSA))
datSEBEretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEBEretINSA))
datSEETretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEETretINSA))
datSECHretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SECHretINSA))
datSEAPretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(SEAPretINSA))
datBITCretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(BITCretINSA))
datLITCretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(LITCretINSA))
datGREXretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(GREXretINSA))
datDAXPretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), rev(DAXPretINSA))
```

```
#Returncalculation for out-of-sample Data Set with aproximated data.
Format as data.frame
```

```
DJACretOUTSA<-ln(DJACaprx[1:182]/lead(DJACaprx[1:182], 1))[1:181]
DJALretOUTSA<-ln(DJALaprx[1:182]/lead(DJALaprx[1:182], 1))[1:181]
DJCCretOUTSA<-ln(DJCCaprx[1:182]/lead(DJCCaprx[1:182], 1))[1:181]
DJCFretOUTSA<-ln(DJCFaprx[1:182]/lead(DJCFaprx[1:182], 1))[1:181]
DJCPretOUTSA<-ln(DJCPaprx[1:182]/lead(DJCPaprx[1:182], 1))[1:181]
DJCTretOUTSA<-ln(DJCTaprx[1:182]/lead(DJCTaprx[1:182], 1))[1:181]
DJLEretOUTSA<-ln(DJLEaprx[1:182]/lead(DJLEaprx[1:182], 1))[1:181]
DJGOretOUTSA<-ln(DJGOaprx[1:182]/lead(DJGOaprx[1:182], 1))[1:181]
DJNIretOUTSA<-ln(DJNIaprx[1:182]/lead(DJNIaprx[1:182], 1))[1:181]
DJSIretOUTSA<-ln(DJSIaprx[1:182]/lead(DJSIaprx[1:182], 1))[1:181]
DJSUretOUTSA<-ln(DJSUaprx[1:182]/lead(DJSUaprx[1:182], 1))[1:181]
DJWEretOUTSA<-ln(DJWEaprx[1:182]/lead(DJWEaprx[1:182], 1))[1:181]
DJZIretOUTSA<-ln(DJZIaprx[1:182]/lead(DJZIaprx[1:182], 1))[1:181]
DJLHretOUTSA<-ln(DJLHaprx[1:182]/lead(DJLHaprx[1:182], 1))[1:181]
DJNGretOUTSA<-ln(DJNGaprx[1:182]/lead(DJNGaprx[1:182], 1))[1:181]
DJPFretOUTSA<-ln(DJPFaprx[1:182]/lead(DJPFaprx[1:182], 1))[1:181]
DJSOretOUTSA<-ln(DJSOaprx[1:182]/lead(DJSOaprx[1:182], 1))[1:181]
SEFPretOUTSA<-ln(SEFPaprx[1:182]/lead(SEFPaprx[1:182], 1))[1:181]
SEECretOUTSA<-ln(SEECaprx[1:182]/lead(SEECaprx[1:182], 1))[1:181]
SEFLretOUTSA<-ln(SEFLaprx[1:182]/lead(SEFLaprx[1:182], 1))[1:181]
SEUTretOUTSA<-ln(SEUTaprx[1:182]/lead(SEUTaprx[1:182], 1))[1:181]
SETRretOUTSA<-ln(SETRaprx[1:182]/lead(SETRaprx[1:182], 1))[1:181]
SEMOretOUTSA<-ln(SEMOaprx[1:182]/lead(SEMOaprx[1:182], 1))[1:181]
SEOGretOUTSA<-ln(SEOGaprx[1:182]/lead(SEOGaprx[1:182], 1))[1:181]
SEOEretOUTSA<-ln(SEOEaprx[1:182]/lead(SEOEaprx[1:182], 1))[1:181]
SEAIretOUTSA<-ln(SEAIaprx[1:182]/lead(SEAIaprx[1:182], 1))[1:181]
SEISretOUTSA<-ln(SEISaprx[1:182]/lead(SEISaprx[1:182], 1))[1:181]
SEREretOUTSA<-ln(SEREaprx[1:182]/lead(SEREaprx[1:182], 1))[1:181]
SEAEretOUTSA<-ln(SEAEaprx[1:182]/lead(SEAEaprx[1:182], 1))[1:181]
SESOretOUTSA<-ln(SESOaprx[1:182]/lead(SESOaprx[1:182], 1))[1:181]
SETEretOUTSA<-ln(SETEaprx[1:182]/lead(SETEaprx[1:182], 1))[1:181]
SEBEretOUTSA<-ln(SEBEaprx[1:182]/lead(SEBEaprx[1:182], 1))[1:181]
SEETretOUTSA<-ln(SEETaprx[1:182]/lead(SEETaprx[1:182], 1))[1:181]
SECHretOUTSA<-ln(SECHaprx[1:182]/lead(SECHaprx[1:182], 1))[1:181]
SEAPretOUTSA<-ln(SEAPaprx[1:182]/lead(SEAPaprx[1:182], 1))[1:181]
BITCretOUTSA<-ln(BITCaprx[1:182]/lead(BITCaprx[1:182], 1))[1:181]
LITCretOUTSA<-ln(LITCaprx[1:182]/lead(LITCaprx[1:182], 1))[1:181]
GREXretOUTSA<-ln(GREXaprx[1:182]/lead(GREXaprx[1:182], 1))[1:181]
DAXPretOUTSA<-ln(DAXPaprx[1:182]/lead(DAXPaprx[1:182], 1))[1:181]

datDJACretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJACretOUTSA))
datDJALretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJALretOUTSA))
datDJCCretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJCCretOUTSA))
datDJCFretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJCFretOUTSA))
datDJCPretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJCPretOUTSA))
datDJCTretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJCTretOUTSA))
datDJLEretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJLEretOUTSA))
datDJGOretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJGOretOUTSA))
datDJNIretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJNIretOUTSA))
datDJSIretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJSIretOUTSA))
datDJSUretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJSUretOUTSA))
datDJWEretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJWEretOUTSA))
datDJZIretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJZIretOUTSA))
datDJLHretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJLHretOUTSA))
datDJNGretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJNGretOUTSA))
datDJPFretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJPFretOUTSA))
datDJSOretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DJSOretOUTSA))
datSEFPretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEFPretOUTSA))
datSEECretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEECretOUTSA))
datSEFLretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEFLretOUTSA))
datSEUTretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEUTretOUTSA))
datSETRretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SETRretOUTSA))
datSEMOretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEMOretOUTSA))
datSEOGretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEOGretOUTSA))
datSEOEretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEOEretOUTSA))
datSEAIretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEAIretOUTSA))
datSEISretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEISretOUTSA))
datSEREretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEREretOUTSA))
datSEAEretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEAEretOUTSA))
datSESOretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SESOretOUTSA))
datSETEretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SETEretOUTSA))
datSEBEretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEBEretOUTSA))
datSEETretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEETretOUTSA))
datSECHretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SECHretOUTSA))
datSEAPretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(SEAPretOUTSA))
datBITCretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(BITCretOUTSA))
datLITCretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(LITCretOUTSA))
datGREXretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(GREXretOUTSA))
datDAXPretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), rev(DAXPretOUTSA))

#Plot the Return data
plot(t[182:1976],DJACretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of All Cattle using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJACretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJAC.jpeg", type="jpeg")
plot(t[182:1976],DJALretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Aluminium using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJALretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJAL.jpeg", type="jpeg")
plot(t[182:1976],DJCCretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Cocoa using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCCretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJCC.jpeg", type="jpeg")
plot(t[182:1976],DJCFretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Coffee using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCFretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJCF.jpeg", type="jpeg")
plot(t[182:1976],DJCPretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Copper using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCPretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJCP.jpeg", type="jpeg")
plot(t[182:1976],DJCTretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Cotton using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJCTretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJCT.jpeg", type="jpeg")
plot(t[182:1976],DJLEretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Lead using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJLEretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJLE.jpeg", type="jpeg")
plot(t[182:1976],DJGOretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Gold using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJGOretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJGO.jpeg", type="jpeg")
plot(t[182:1976],DJNIretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Nickel using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJNIretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJNI.jpeg", type="jpeg")
plot(t[182:1976],DJSIretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Silver using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJSIretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJSI.jpeg", type="jpeg")
plot(t[182:1976],DJSUretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Sugar using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJSUretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJSU.jpeg", type="jpeg")
plot(t[182:1976],DJWEretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Wheat using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJWEretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJWE.jpeg", type="jpeg")
plot(t[182:1976],DJZIretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Zinc using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJZIretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJZI.jpeg", type="jpeg")
plot(t[182:1976],DJLHretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Lean Hogs using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJLHretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJLH.jpeg", type="jpeg")
plot(t[182:1976],DJNGretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Natural Gas using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJNGretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJNG.jpeg", type="jpeg")
plot(t[182:1976],DJPFretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Petroleum using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJPFretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJPE.jpeg", type="jpeg")
plot(t[182:1976],DJSOretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Soybeans using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DJSOretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DJSO.jpeg", type="jpeg")
plot(t[182:1976],SEFPretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Forest and Paper using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEFPretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEFP.jpeg", type="jpeg")
plot(t[182:1976],SEECretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Electricity using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEECretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEEC.jpeg", type="jpeg")
plot(t[182:1976],SEFLretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Fixed Line Communication using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEFLretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEFL.jpeg", type="jpeg")
plot(t[182:1976],SEUTretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Gas, Water & Multiu. using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEUTretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEUT.jpeg", type="jpeg")
plot(t[182:1976],SETRretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Transportation using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SETRretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SETR.jpeg", type="jpeg")
plot(t[182:1976],SEMOretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Mobile Telecommunication using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEMOretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEMO.jpeg", type="jpeg")
plot(t[182:1976],SEOGretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Oil & Gas Producers using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEOGretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEOG.jpeg", type="jpeg")
plot(t[182:1976],SEOEretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Oil, Equip. Services & Distrib. using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEOEretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEOE.jpeg", type="jpeg")
plot(t[182:1976],SEAIretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Airlines using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEAIretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEAI.jpeg", type="jpeg")
plot(t[182:1976],SEISretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of RE Invest. & Services using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEISretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEIS.jpeg", type="jpeg")
plot(t[182:1976],SERERetINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of REITS using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SERERetOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SERE.jpeg", type="jpeg")
plot(t[182:1976],SEAEretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Alternative Energy using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEAEretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEAE.jpeg", type="jpeg")
plot(t[182:1976],SESOretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Softw. & Comp. Services using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SESOretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SESO.jpeg", type="jpeg")
plot(t[182:1976],SETEretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Techn. Equip. & Hardware using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SETEretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SETE.jpeg", type="jpeg")
plot(t[182:1976],SEBEretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Beverages using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEBEretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEBE.jpeg", type="jpeg")
plot(t[182:1976],SEETretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Europe Total Market using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEETretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEET.jpeg", type="jpeg")
plot(t[182:1976],SECHretINSA,type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Chemicals using Approx. In- and Out-of-Sample Data")
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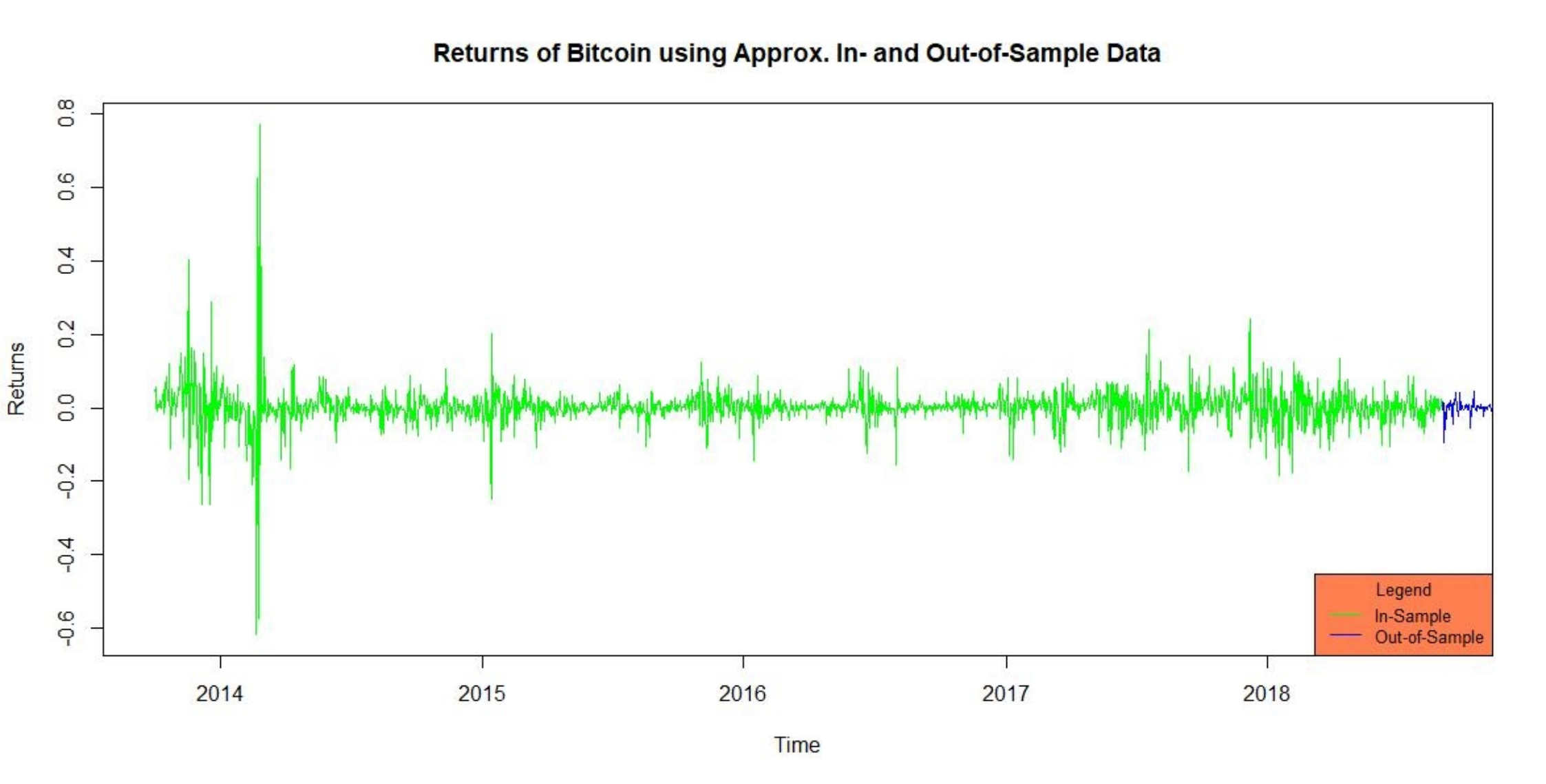
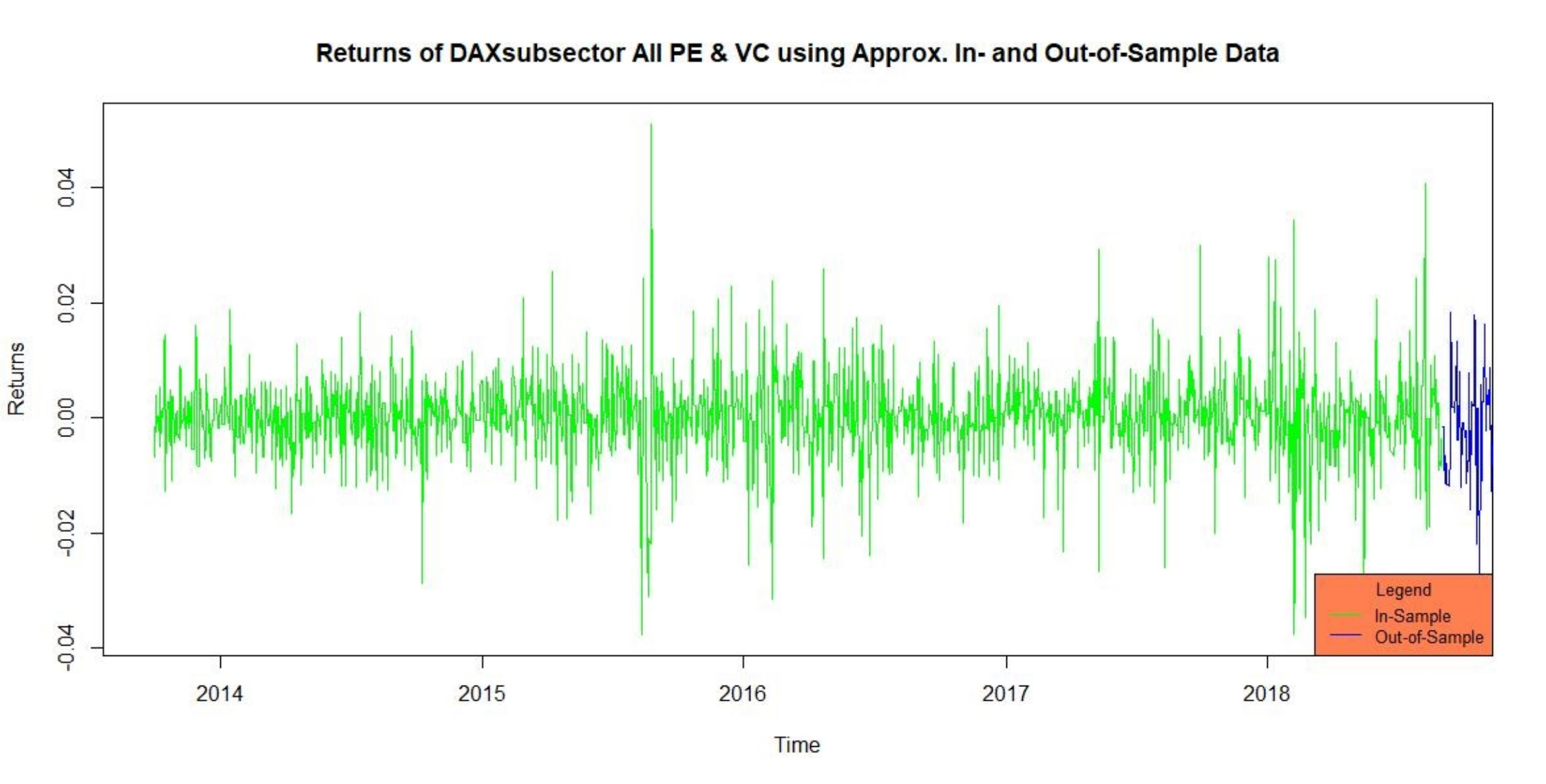
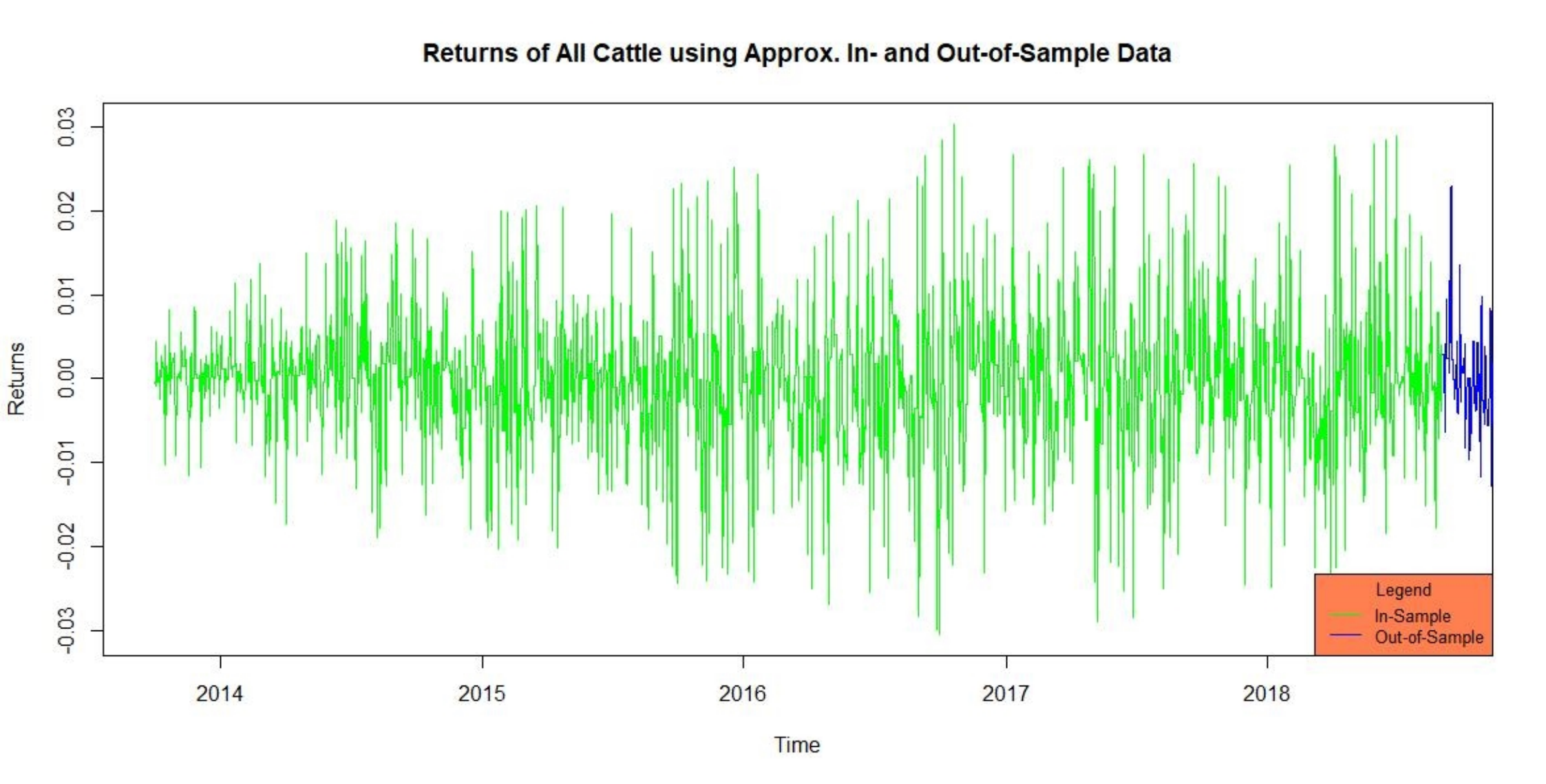
lines(t[1:181], SECHretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SECH.jpeg", type="jpeg")
plot(t[182:1976],SEAPretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Auto and parts using Approx. In- and Out-of-Sample Data")
lines(t[1:181], SEAPretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/SEAP.jpeg", type="jpeg")
plot(t[182:1976],BITCretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Bitcoin using Approx. In- and Out-of-Sample Data")
lines(t[1:181], BITCretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/BITC.jpeg", type="jpeg")
plot(t[182:1976],LITCretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of Litecoin using Approx. In- and Out-of-Sample Data")
lines(t[1:181], LITCretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/LITC.jpeg", type="jpeg")
plot(t[182:1976],GREXretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of REX using Approx. In- and Out-of-Sample Data")
lines(t[1:181], GREXretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/GREX.jpeg", type="jpeg")
plot(t[182:1976],DAXPretINSA, type="l", col="green", xlab="Time", ylab="Returns", main="Returns of DAXsubsector All PE & VC using Approx. In- and Out-of-Sample Data")
lines(t[1:181], DAXPretOUTSA, type="l", col="blue")
legend("bottomright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02_Returns/DAXP.jpeg", type="jpeg")
```

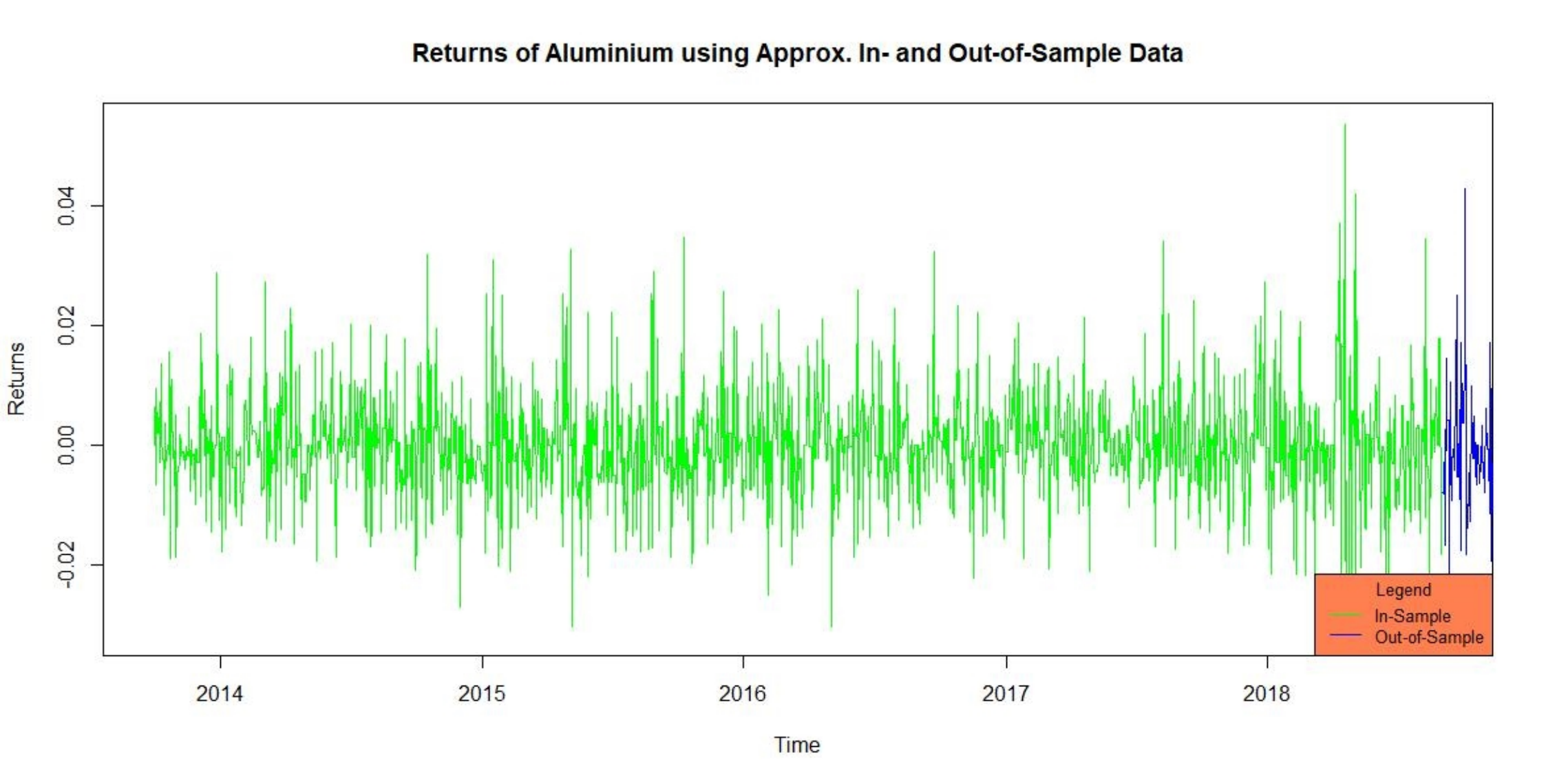
DIGITAL APPENDIX B

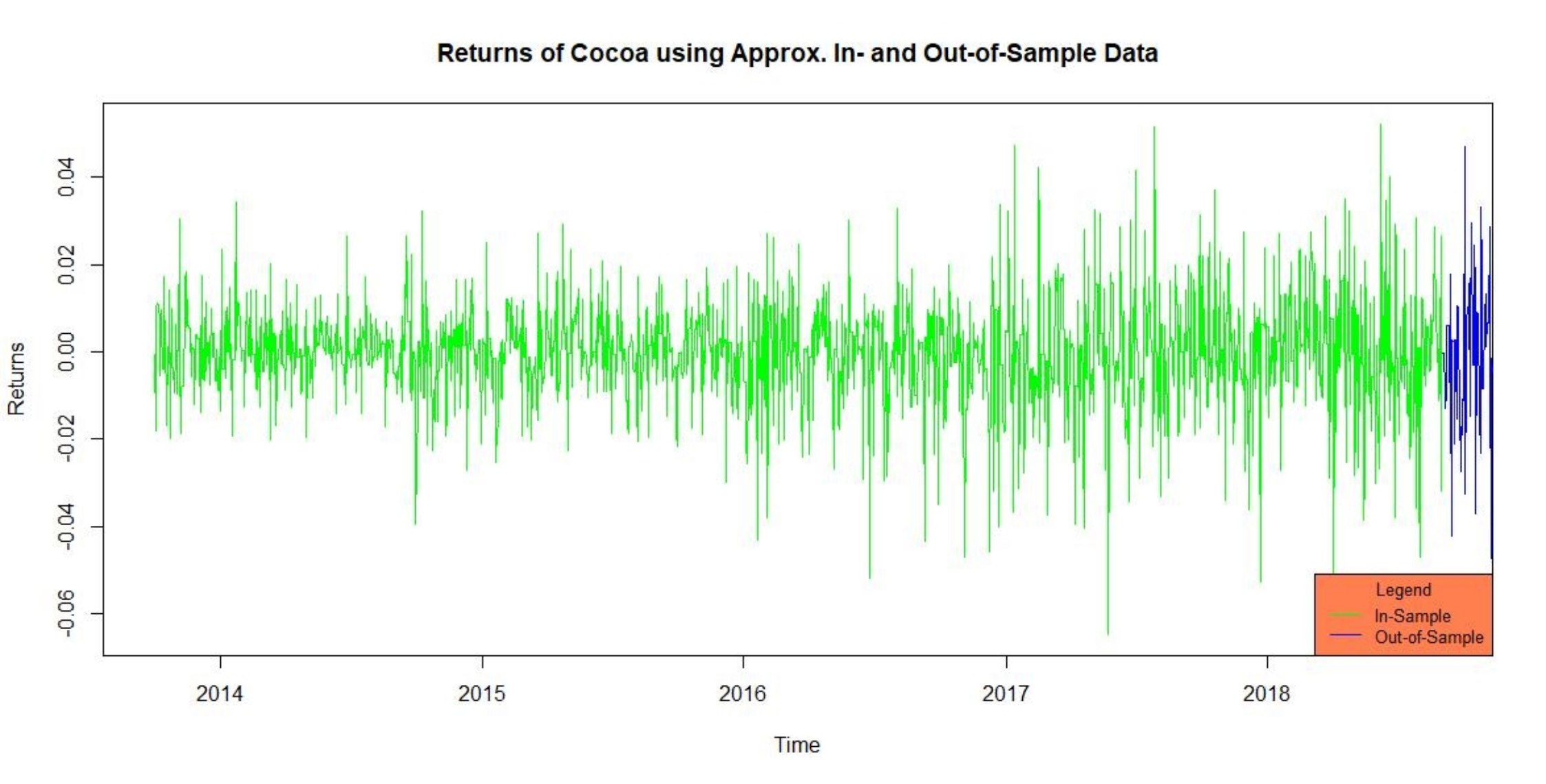
B_ [RESULTS]_Chapter 3.3._Returns

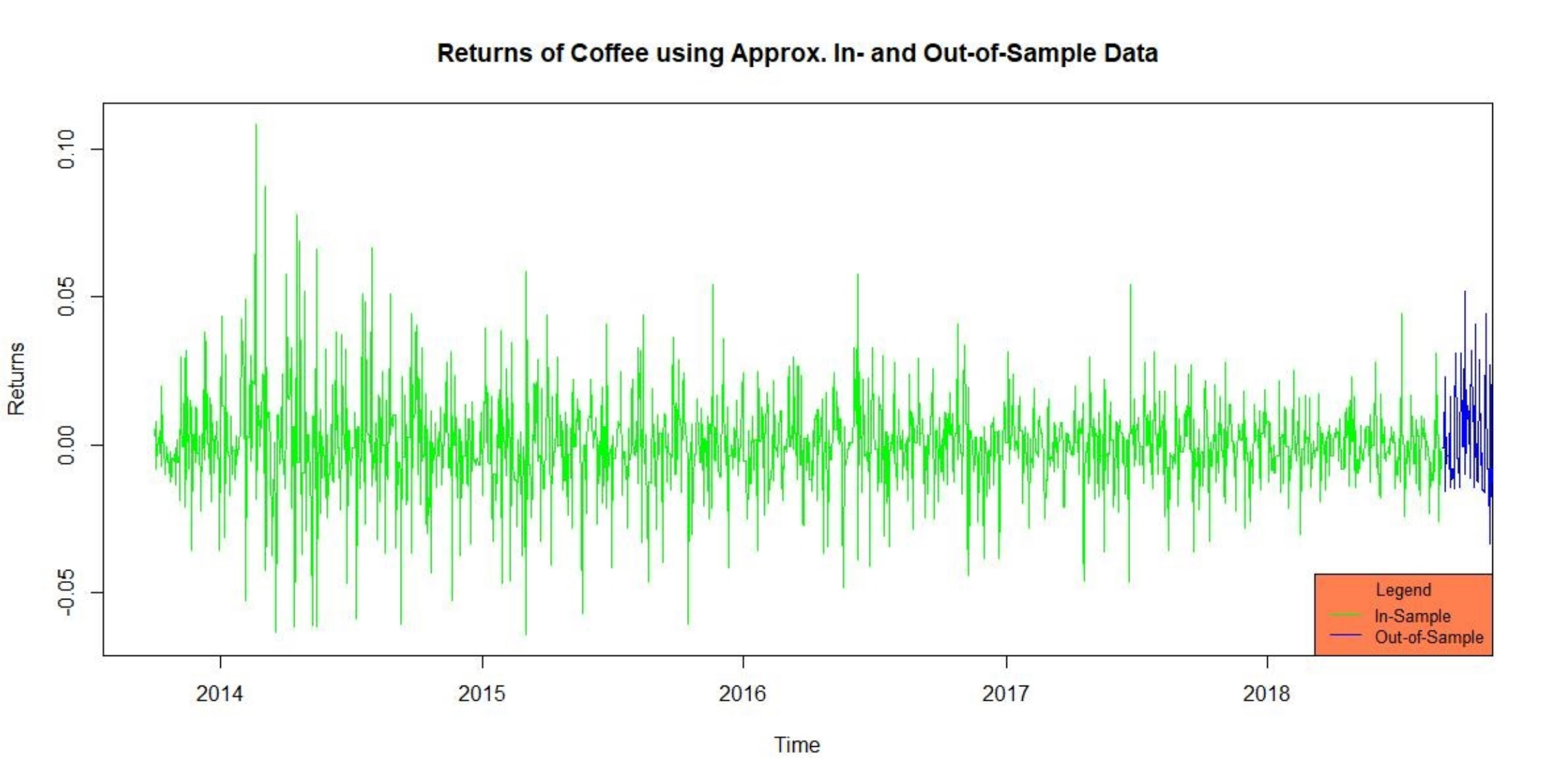

Returns of Bitcoin using Approx. In- and Out-of-Sample Data
Returns
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

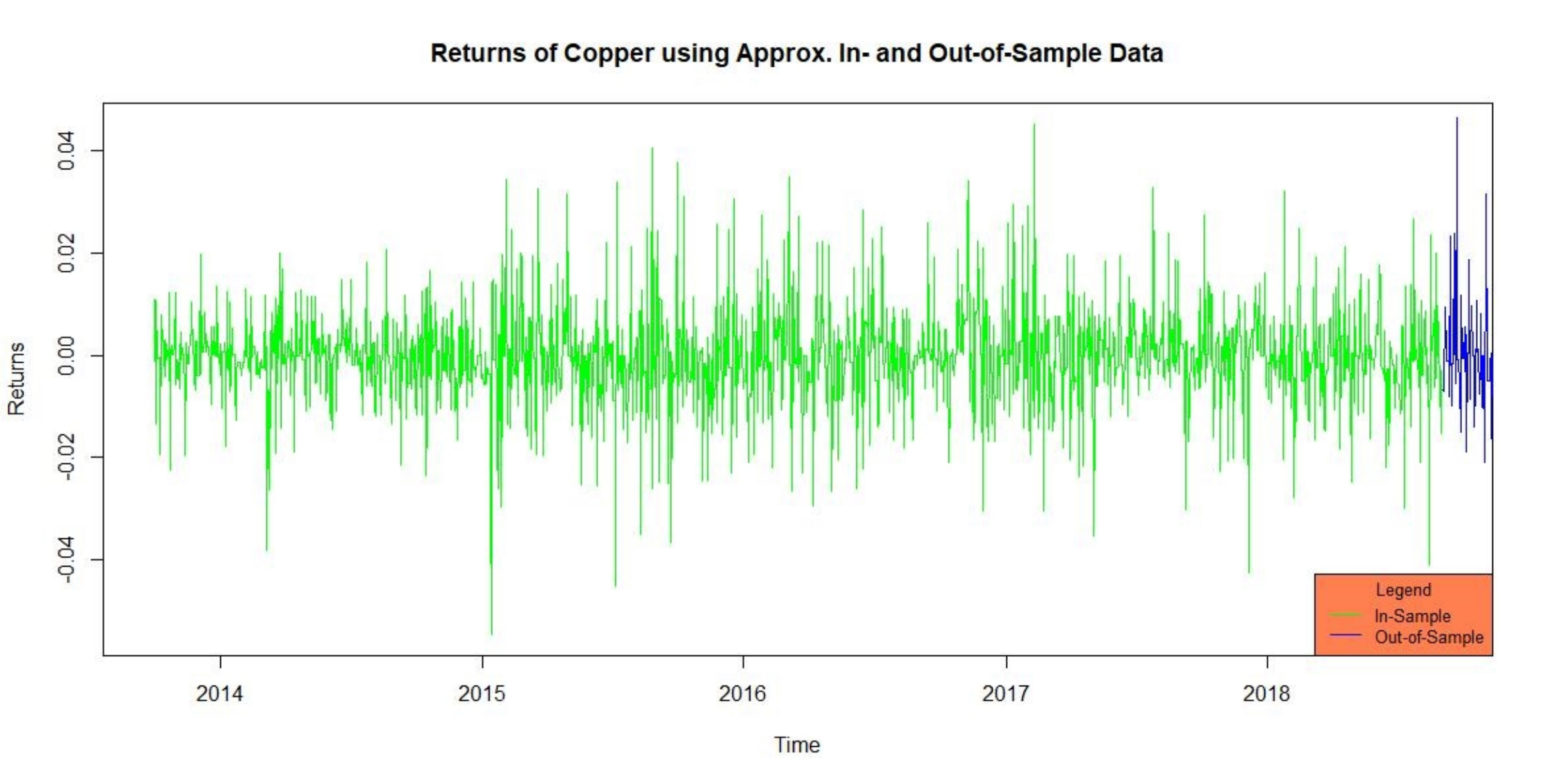

Returns of DAXsubsector All PE & VC using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

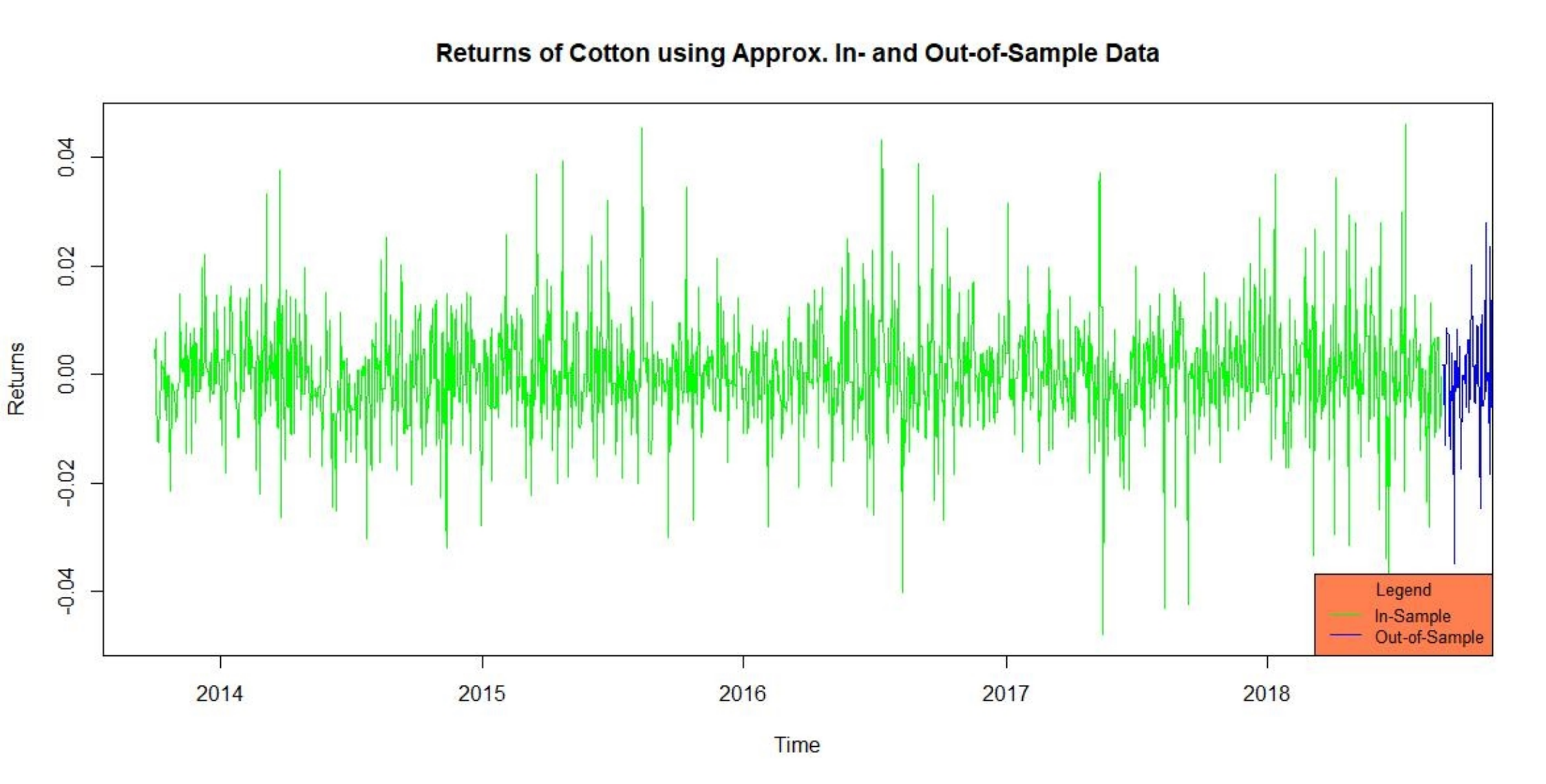

Returns of All Cattle using Approx. In- and Out-of-Sample Data
Returns
0.03
0.02
0.01
0.00
-0.01
-0.02
-0.03
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

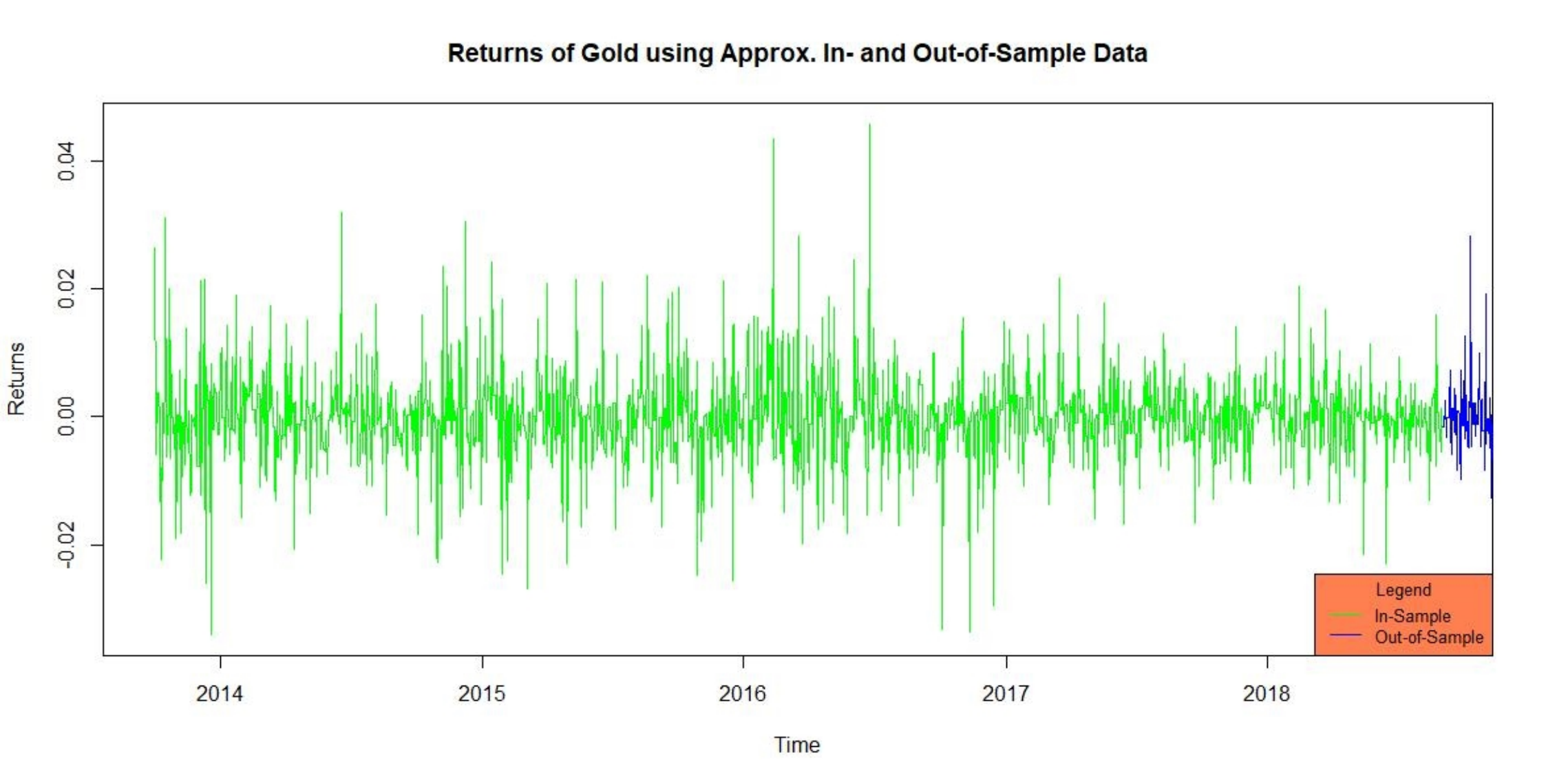

Returns of Aluminium using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

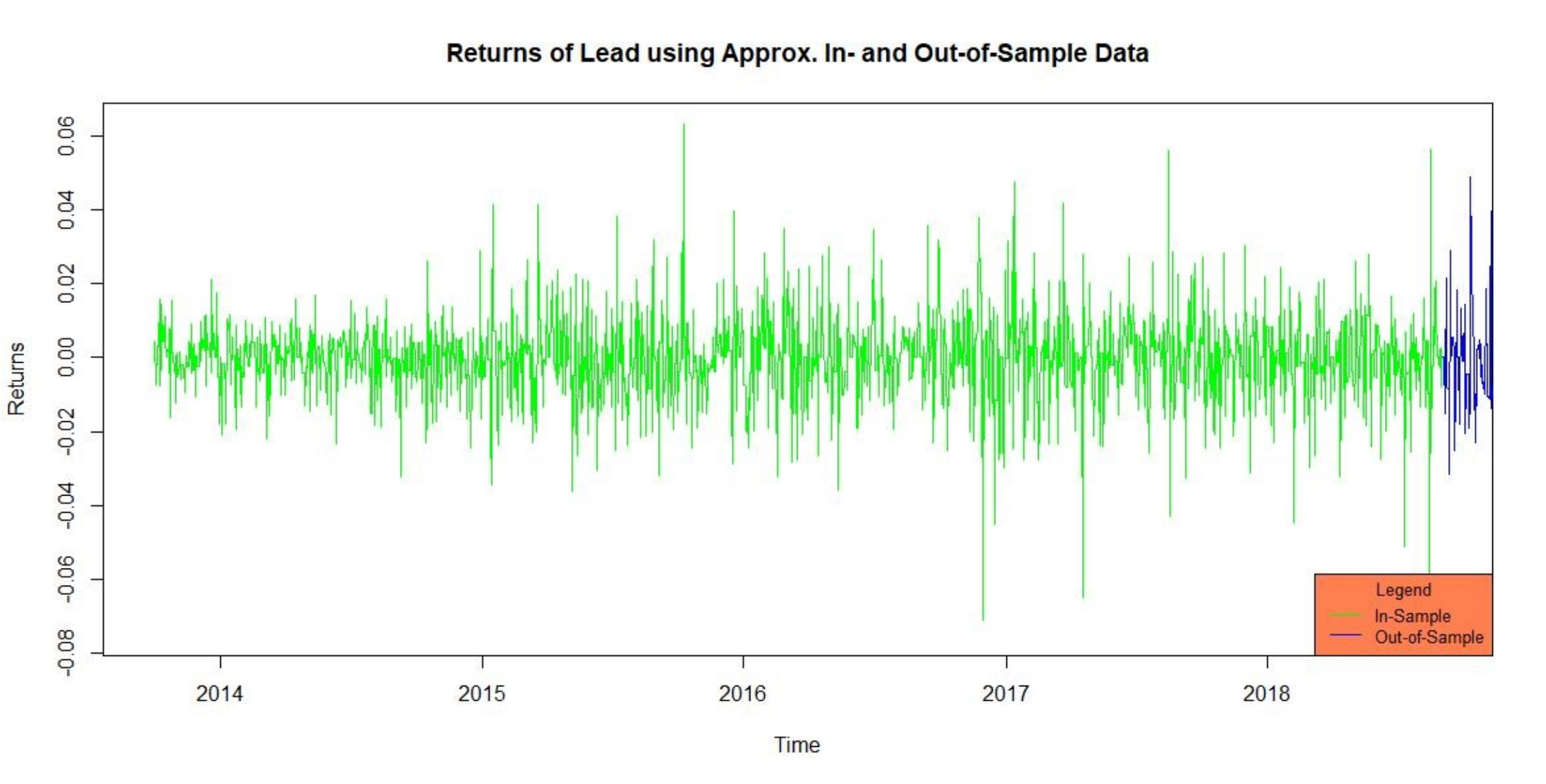

Returns of Cocoa using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

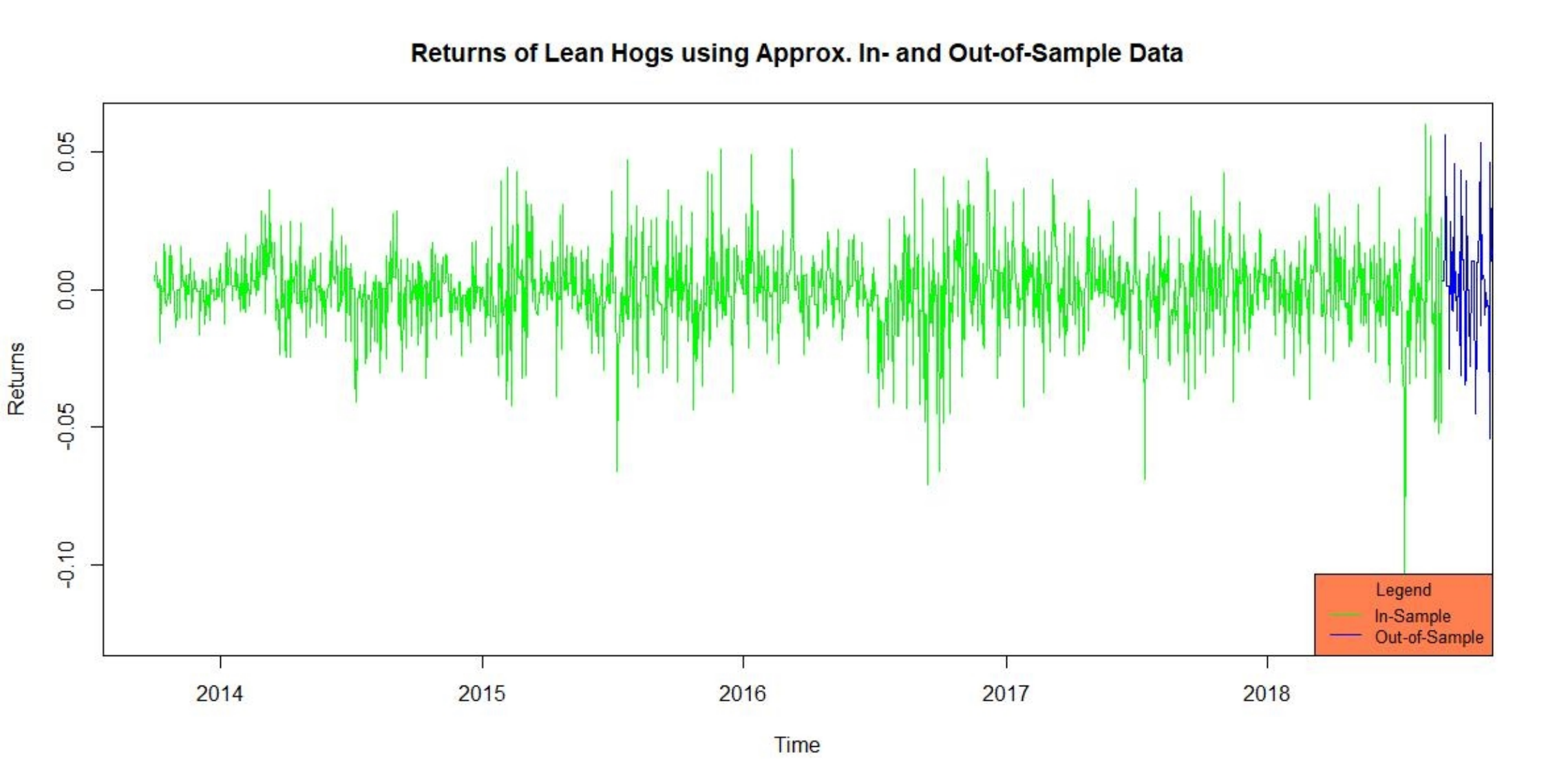

Returns of Coffee using Approx. In- and Out-of-Sample Data
Returns
0.10
0.05
0.00
-0.05
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

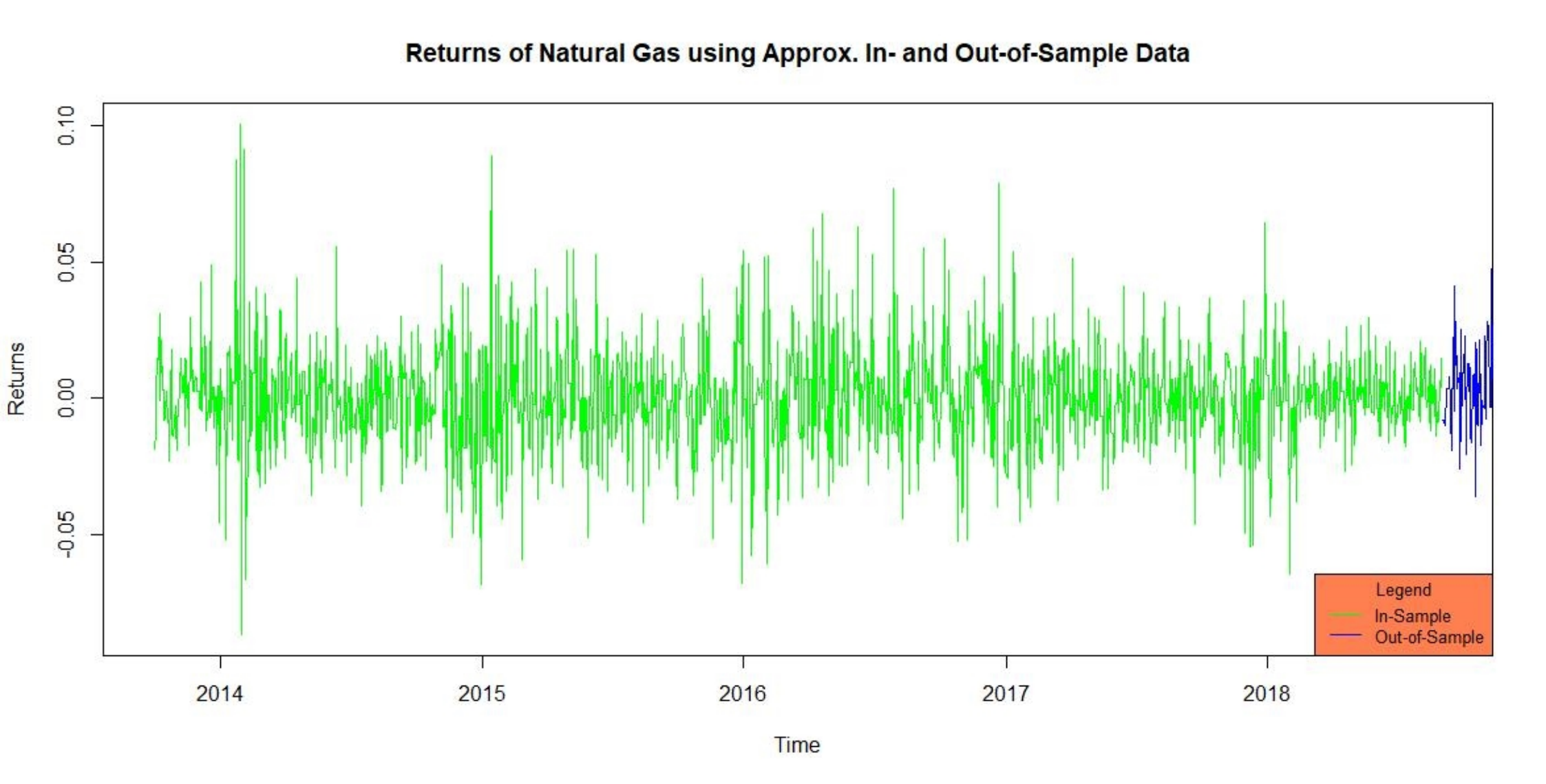

Returns of Copper using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

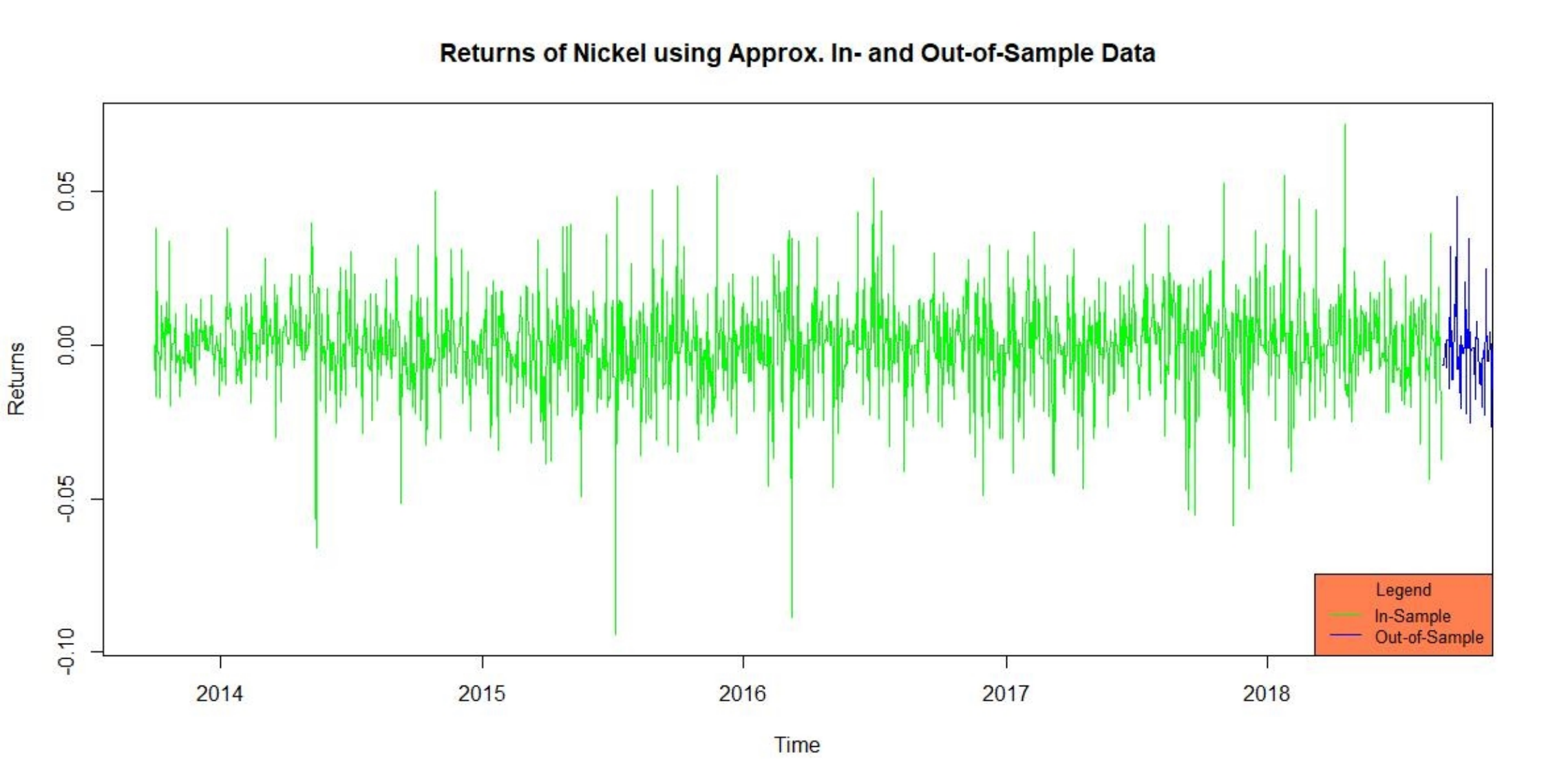

Returns of Cotton using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

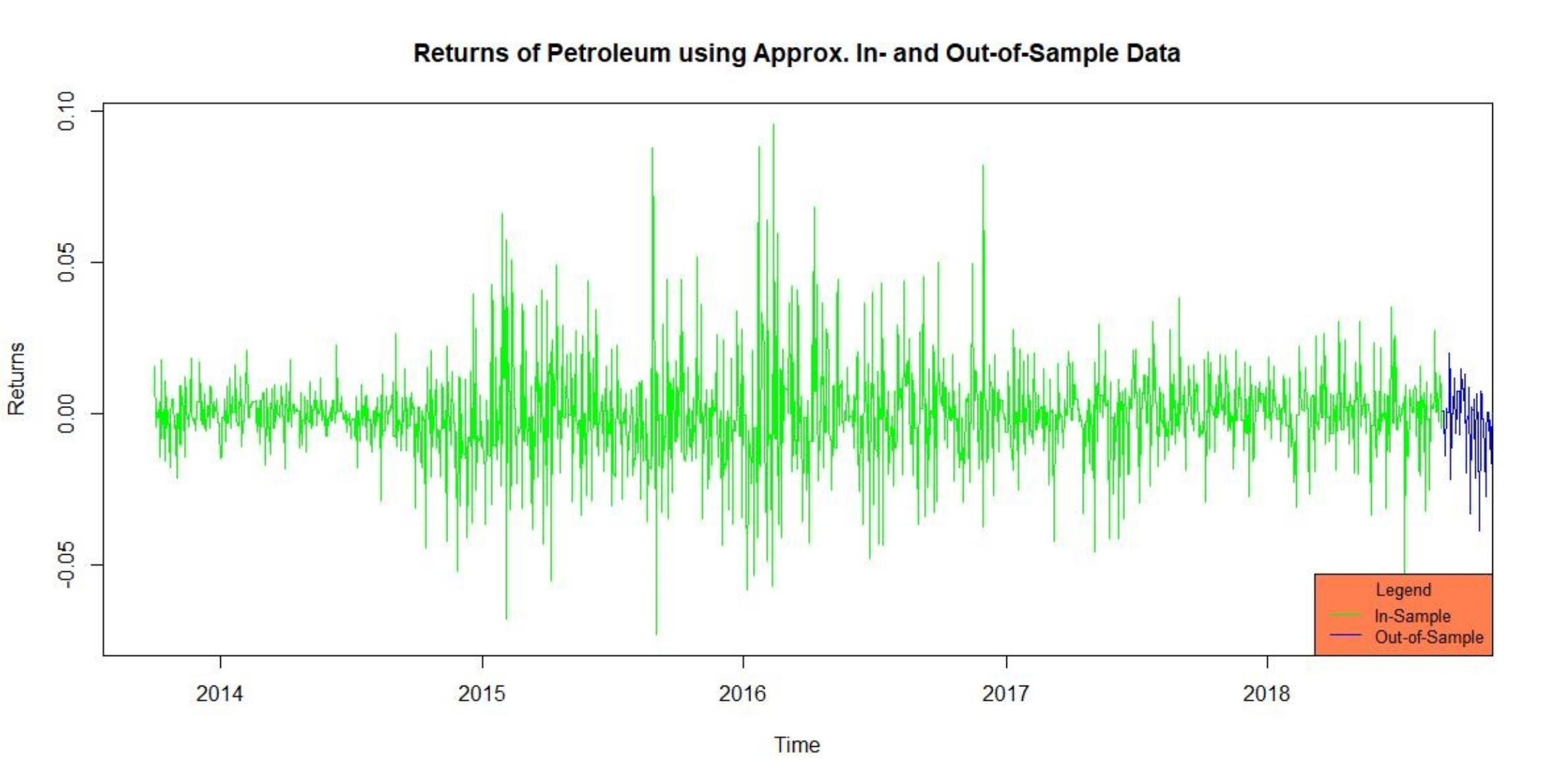

Returns of Gold using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

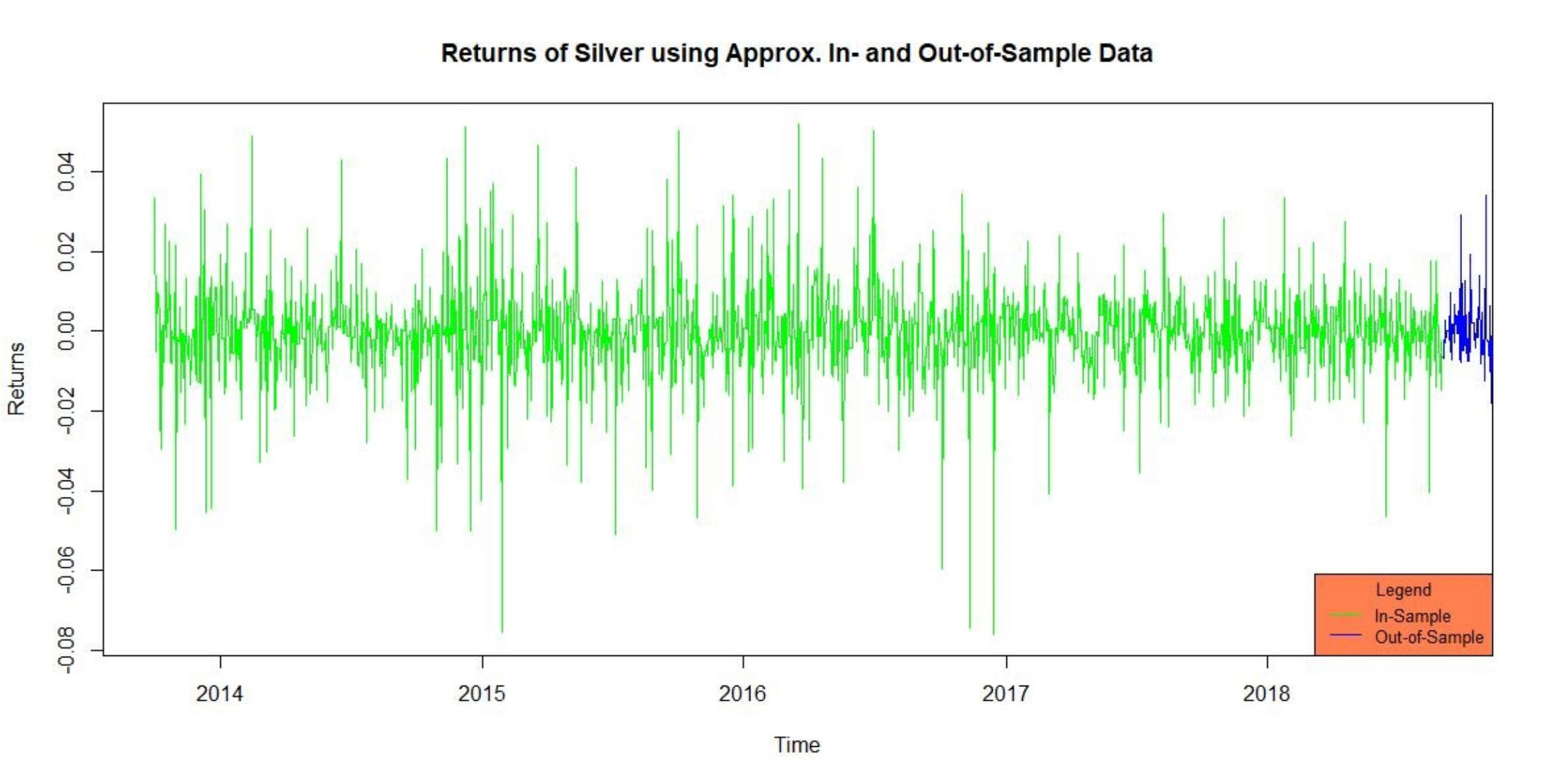

Returns of Lead using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

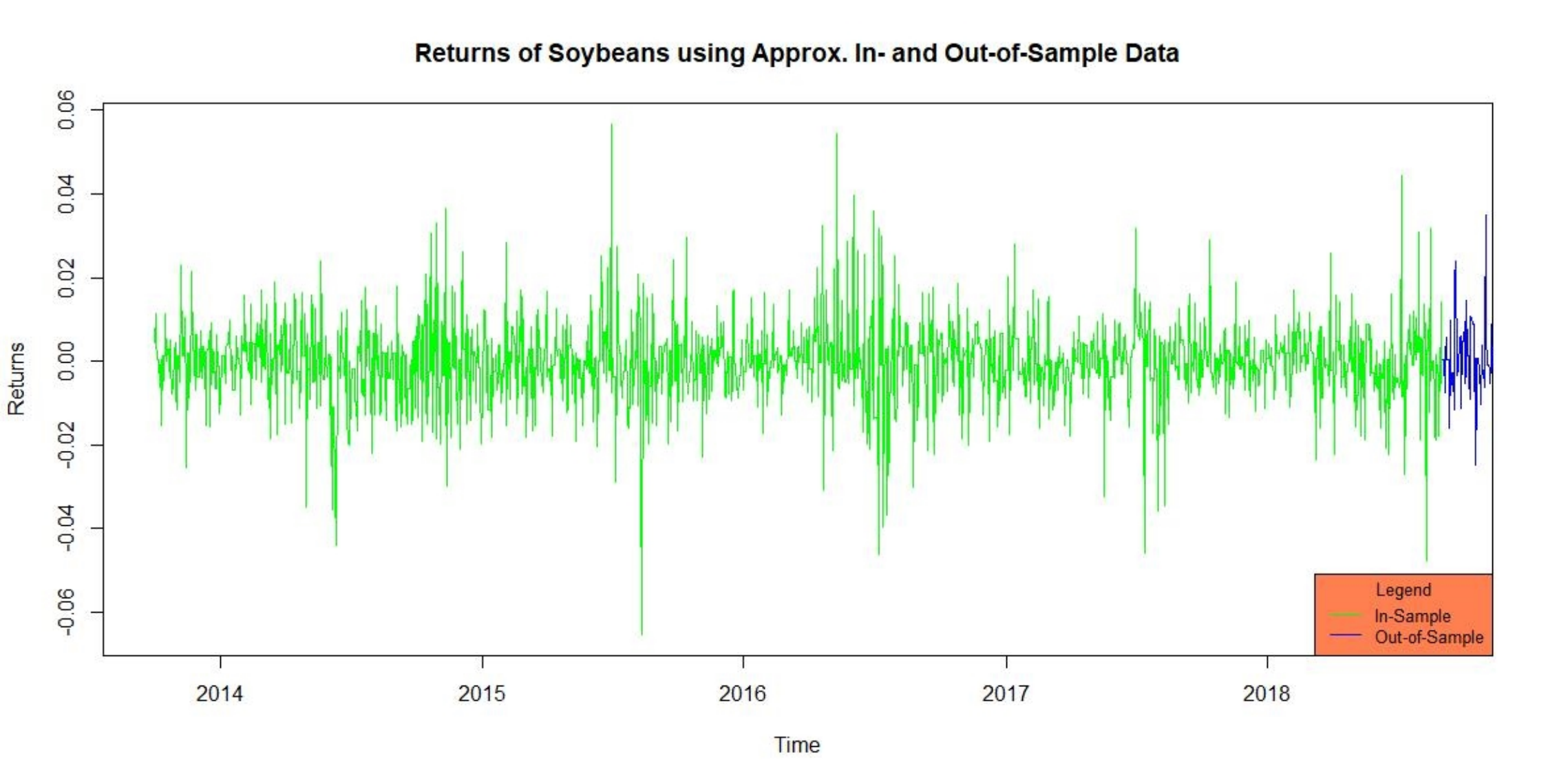

Returns of Lean Hogs using Approx. In- and Out-of-Sample Data
Returns
0.05
0.00
-0.05
-0.10
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

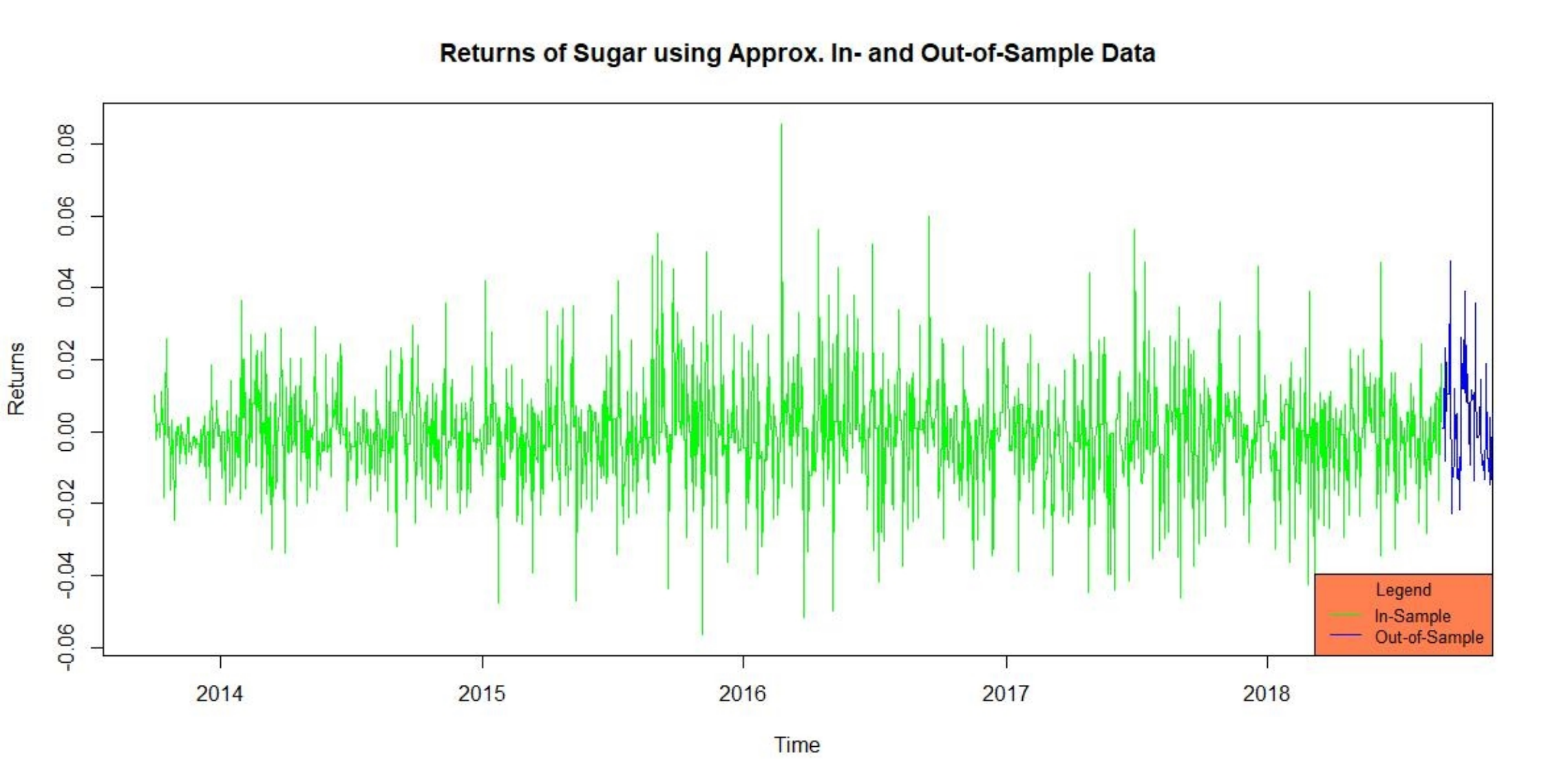

Returns of Natural Gas using Approx. In- and Out-of-Sample Data
Returns
0.10
0.05
0.00
-0.05
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

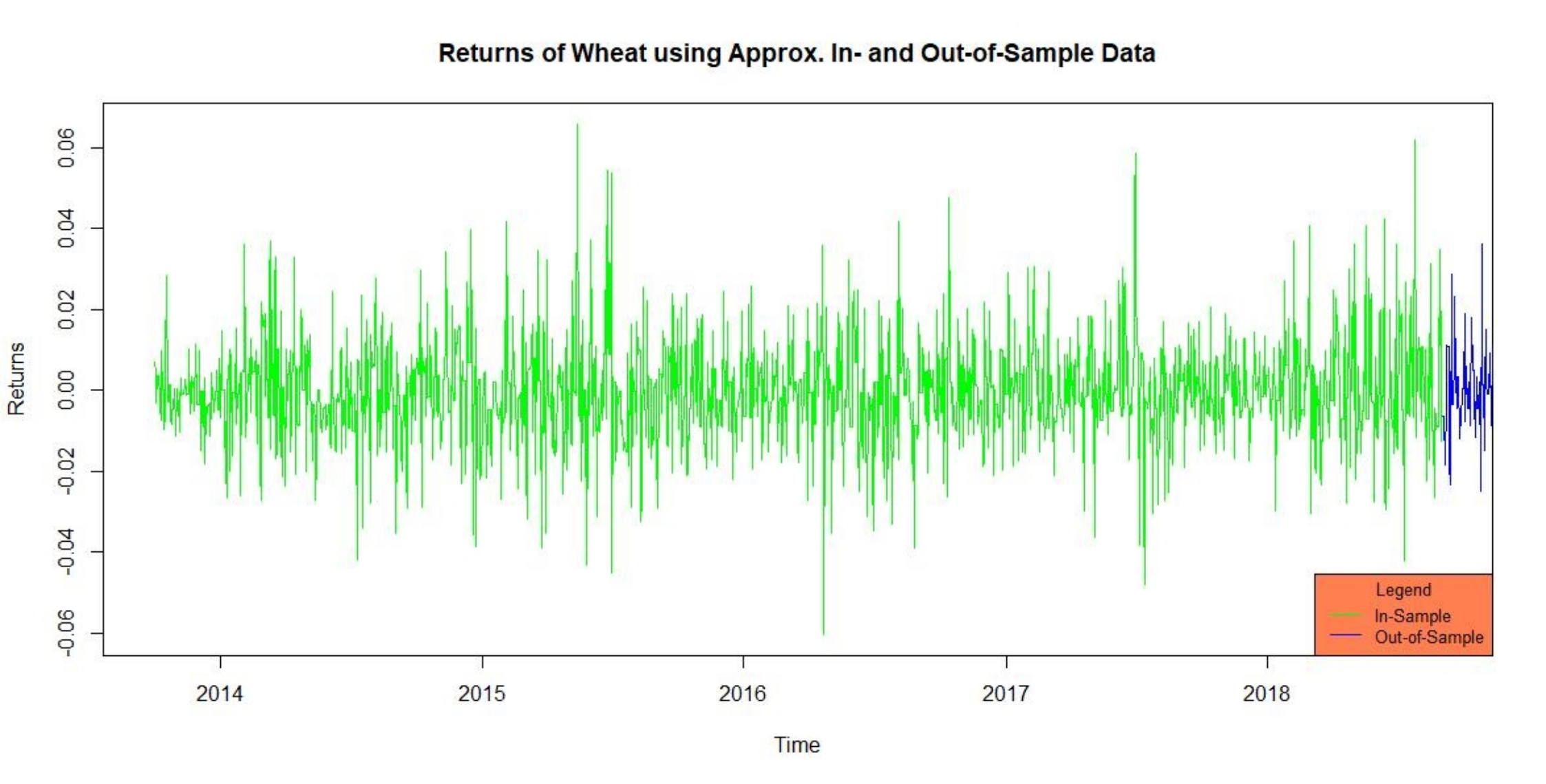

Returns of Nickel using Approx. In- and Out-of-Sample Data
Returns
0.05
0.00
-0.05
-0.10
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

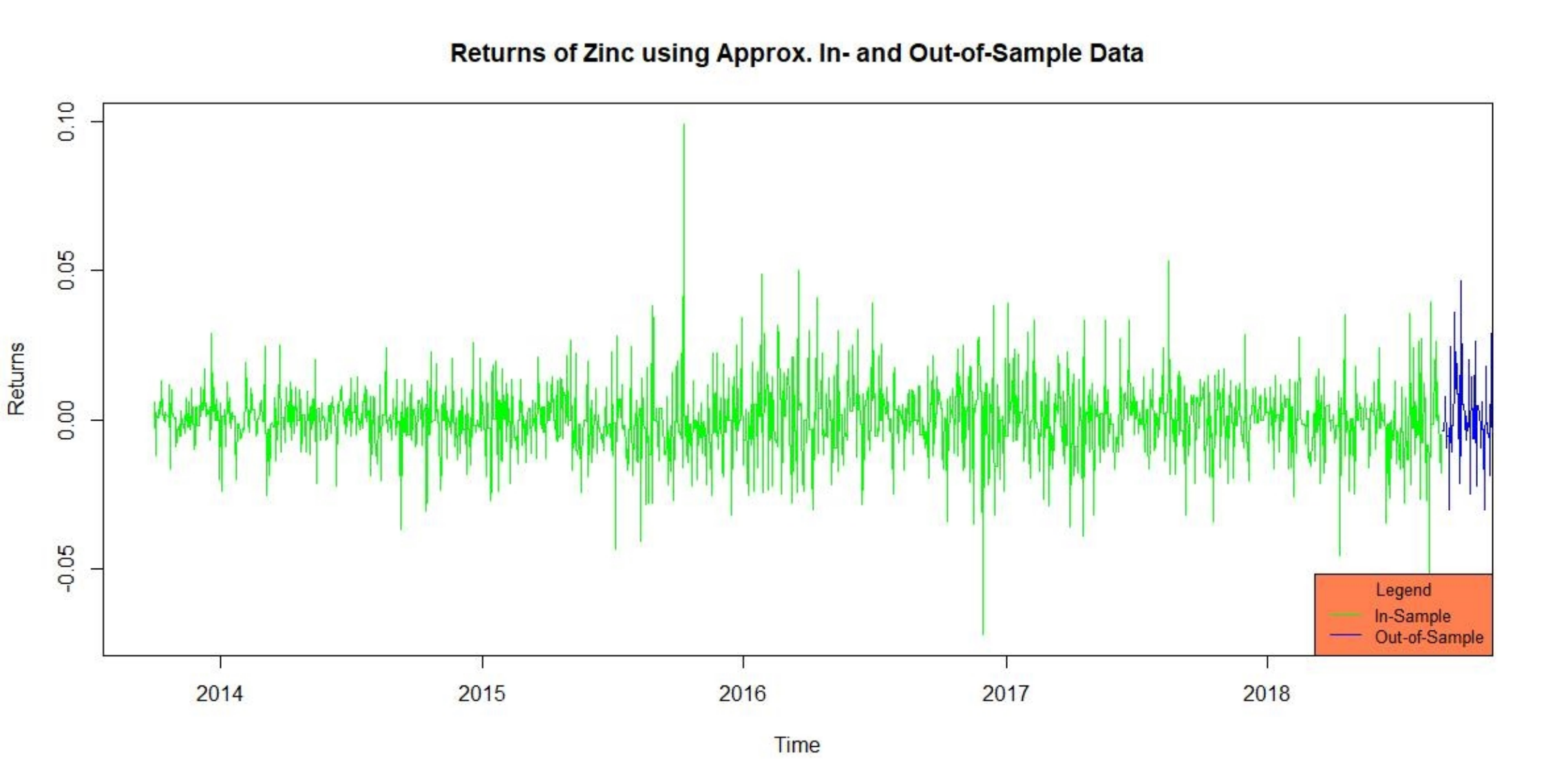

Returns of Petroleum using Approx. In- and Out-of-Sample Data
Returns
0.10
0.05
0.00
-0.05
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

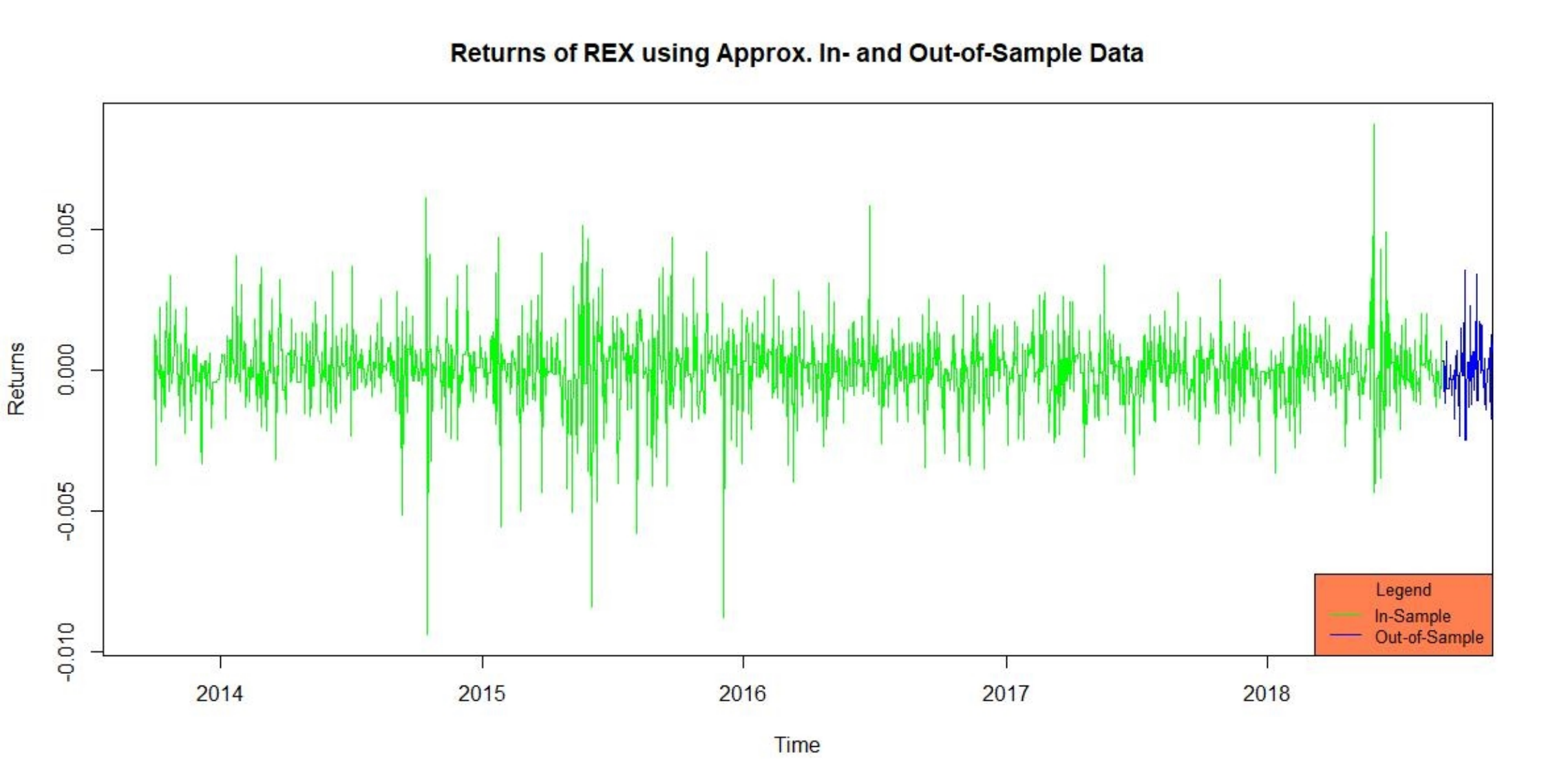

Returns of Silver using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

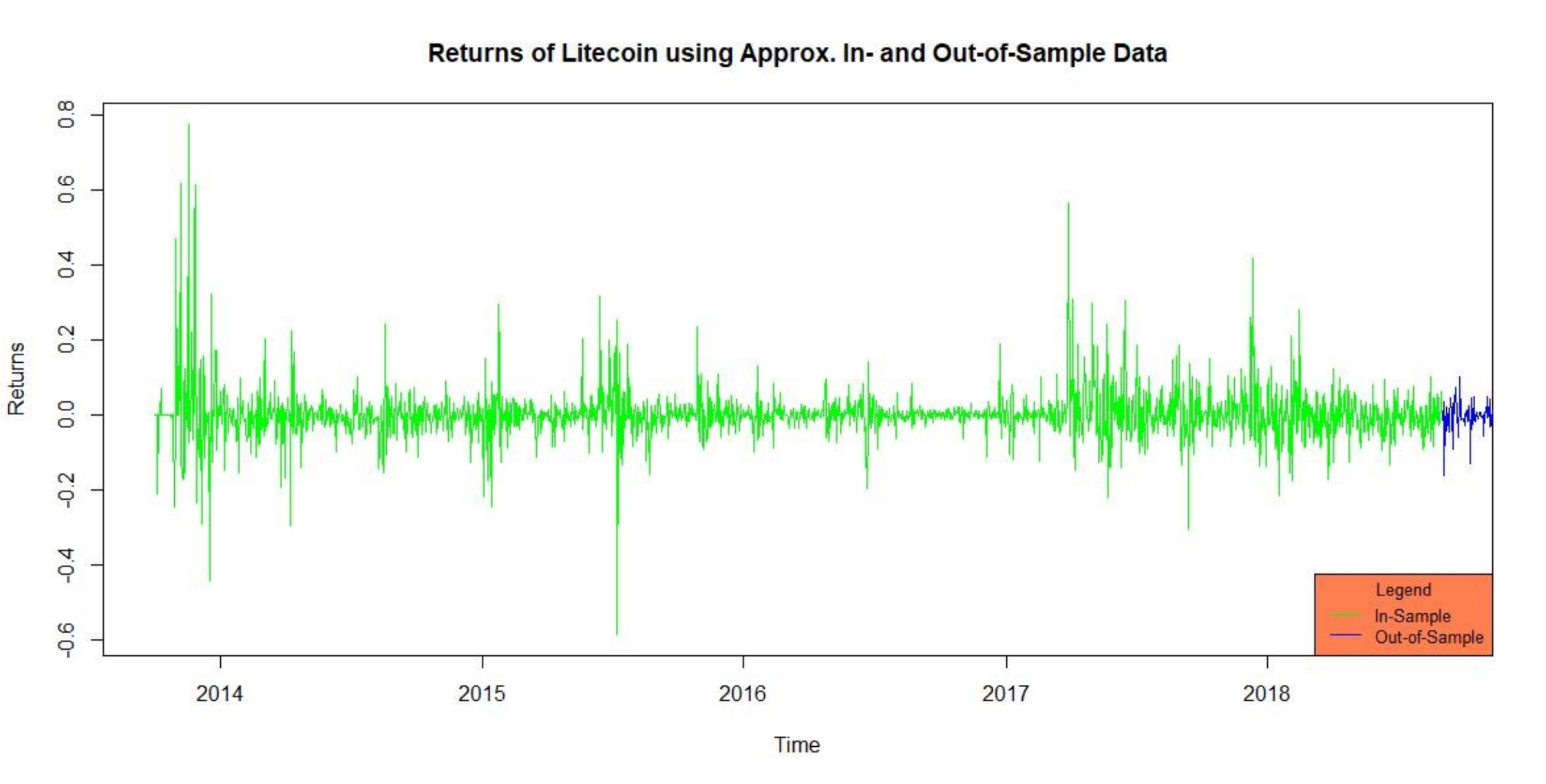

Returns of Soybeans using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

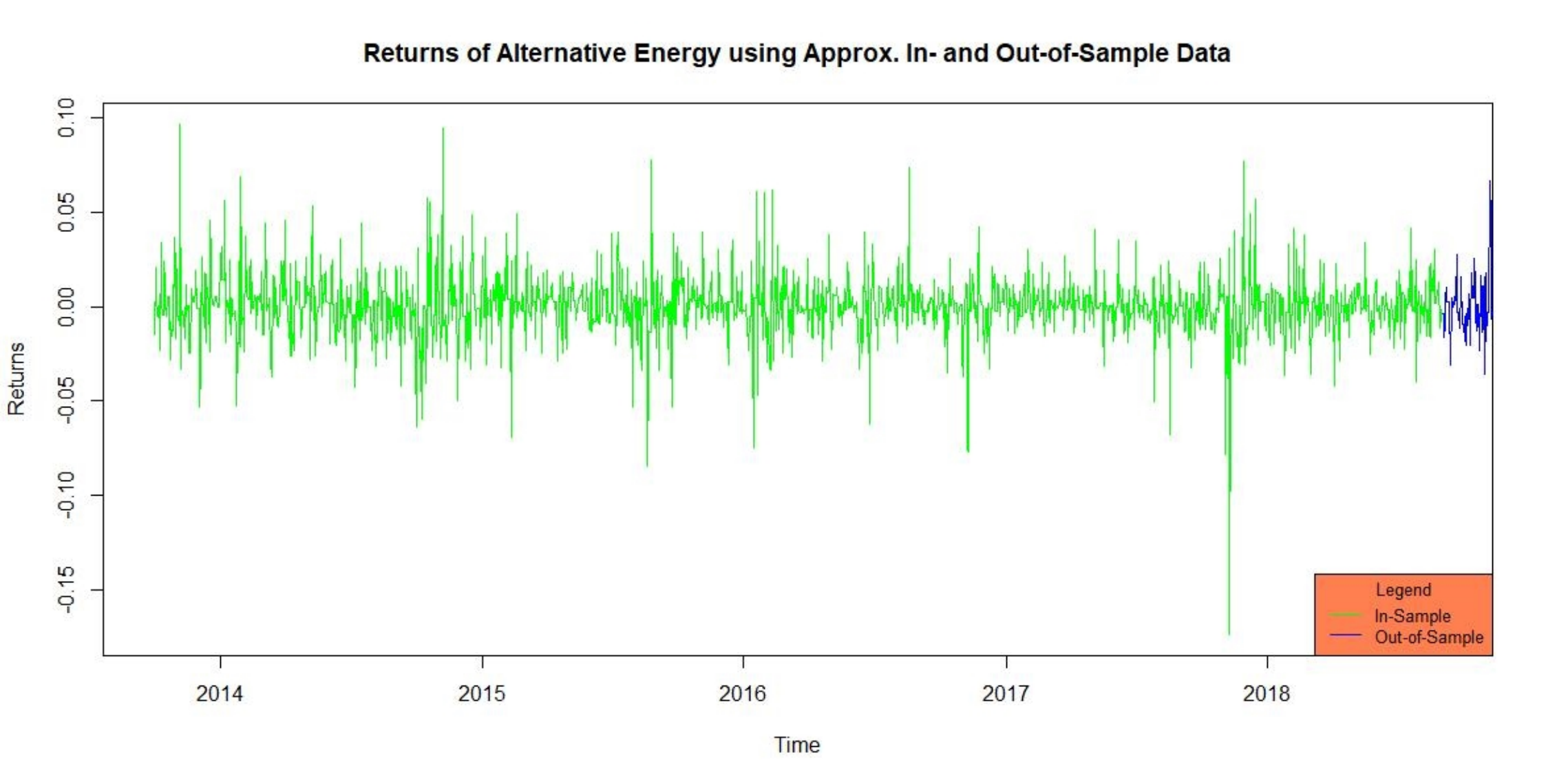

Returns of Sugar using Approx. In- and Out-of-Sample Data
Returns
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

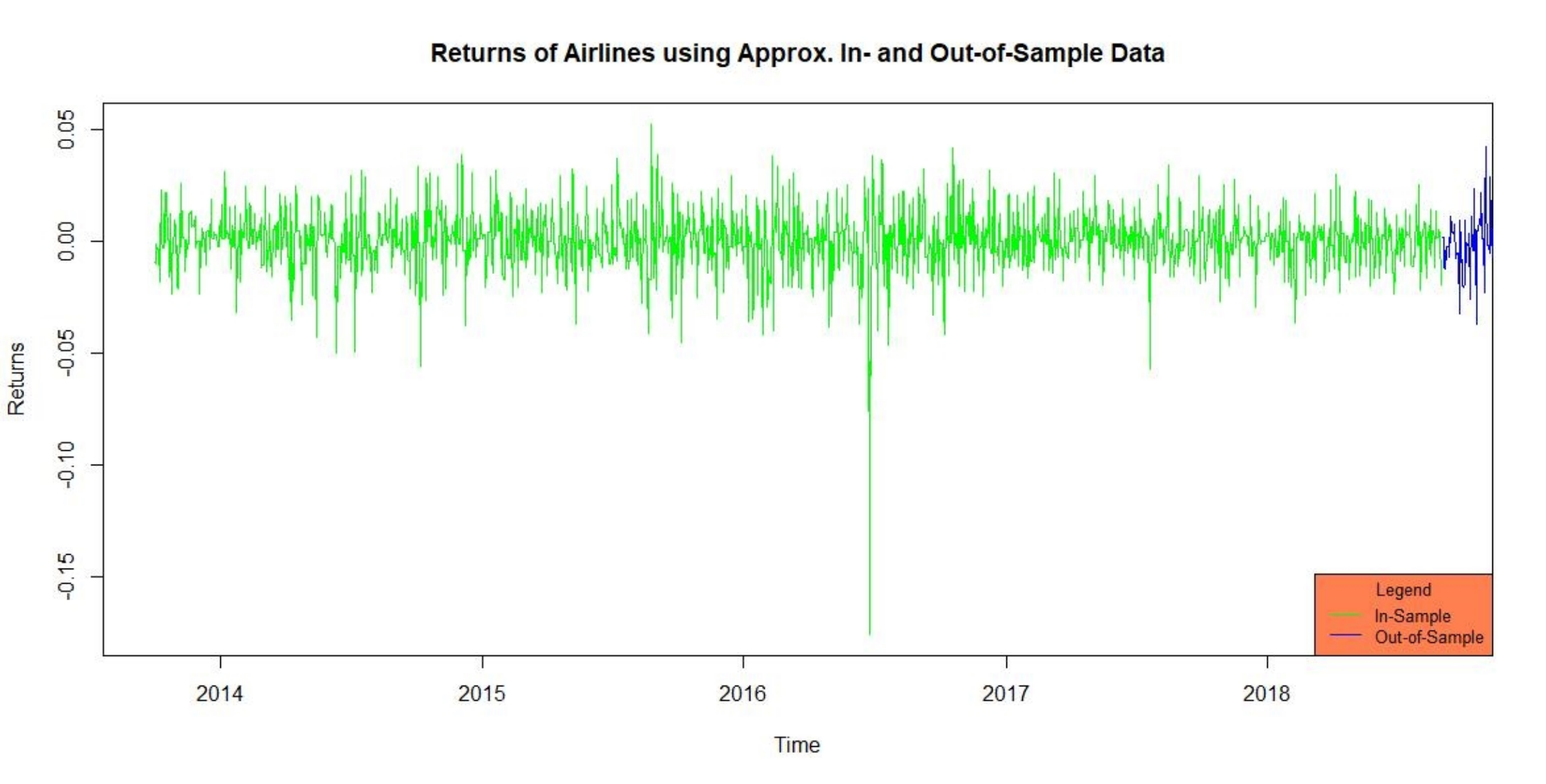

Returns of Wheat using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

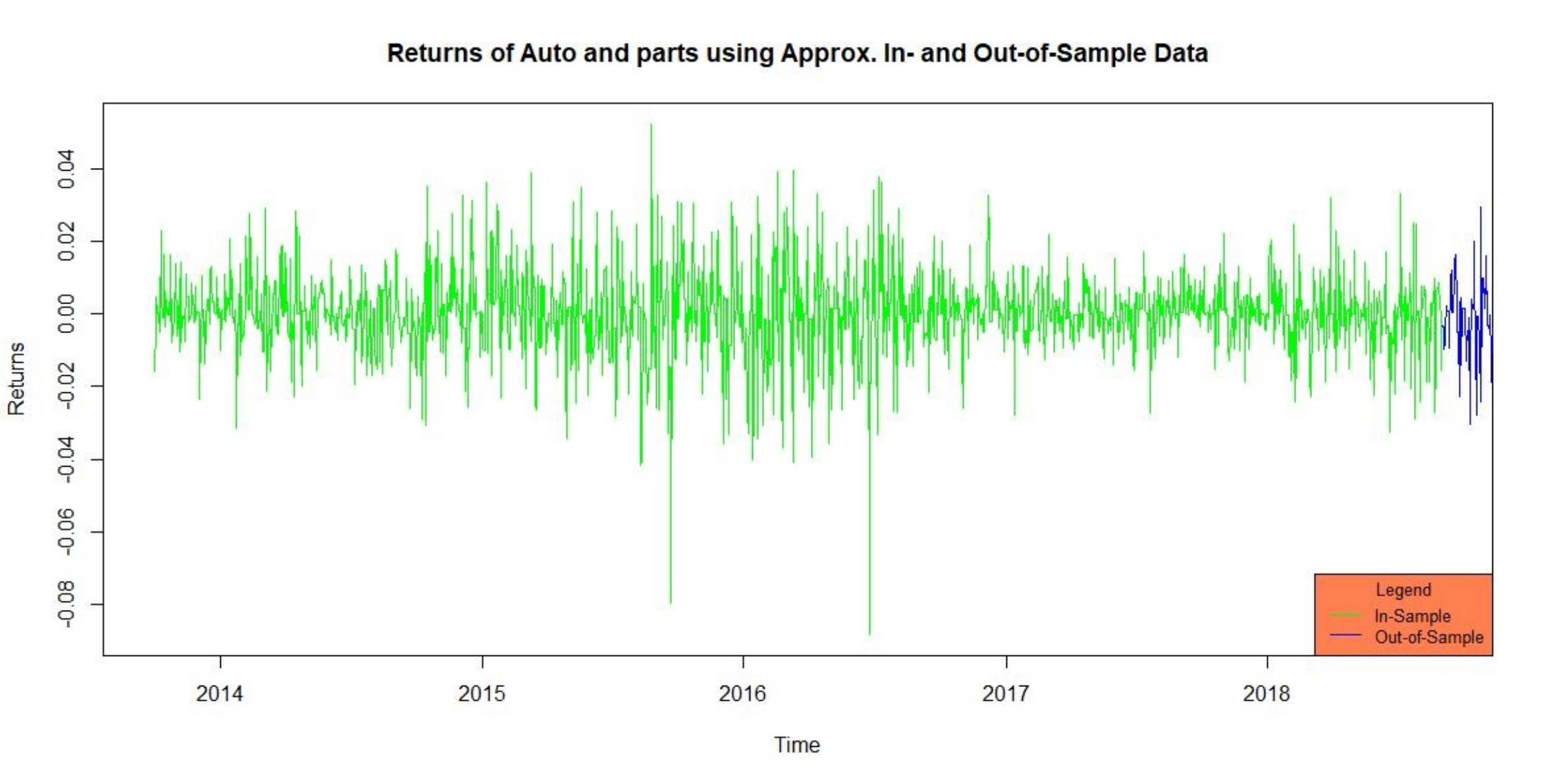

Returns of Zinc using Approx. In- and Out-of-Sample Data
Returns
0.10
0.05
0.00
-0.05
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

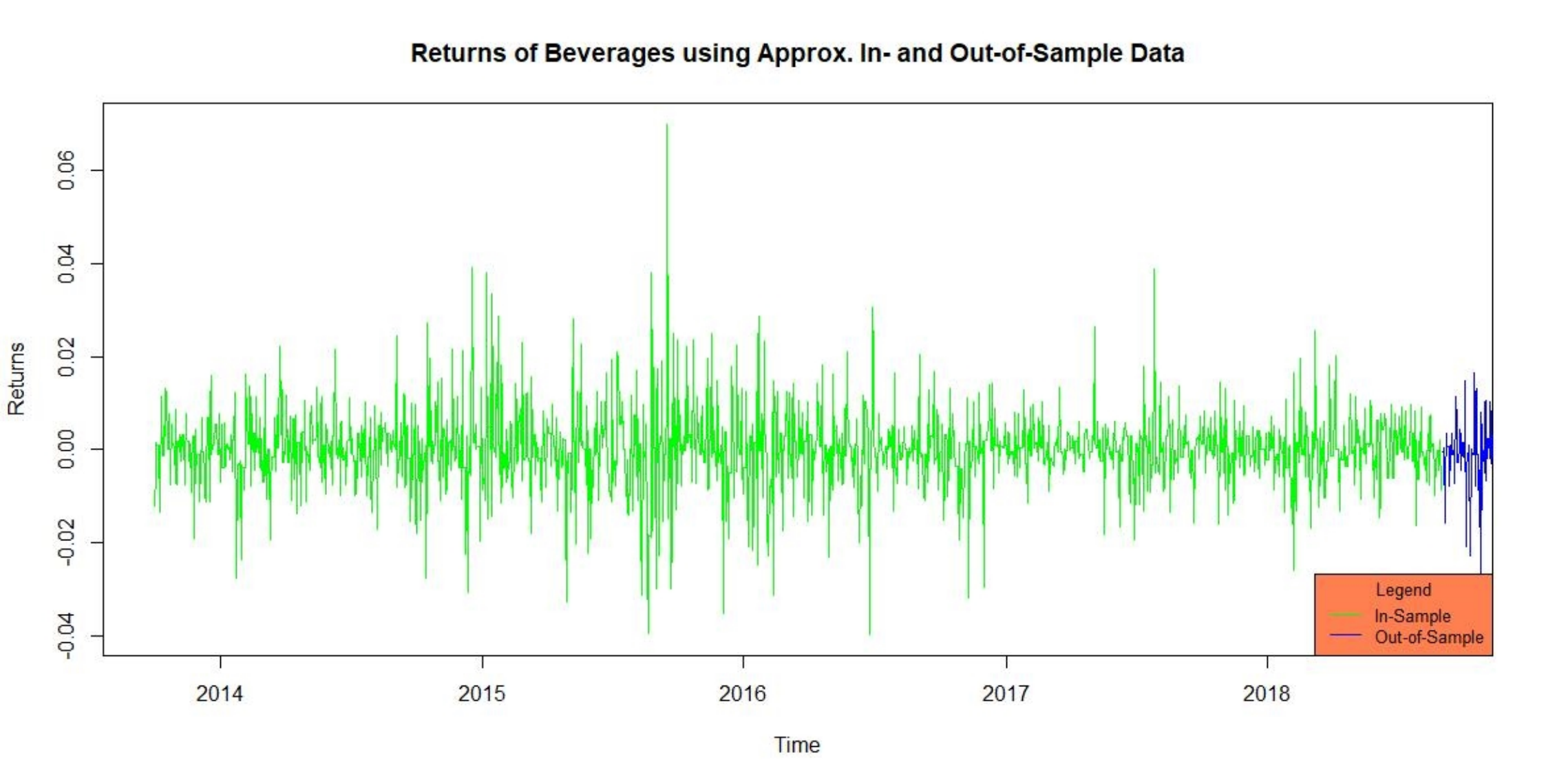

Returns of REX using Approx. In- and Out-of-Sample Data
Returns
0.005
0.000
-0.005
-0.010
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

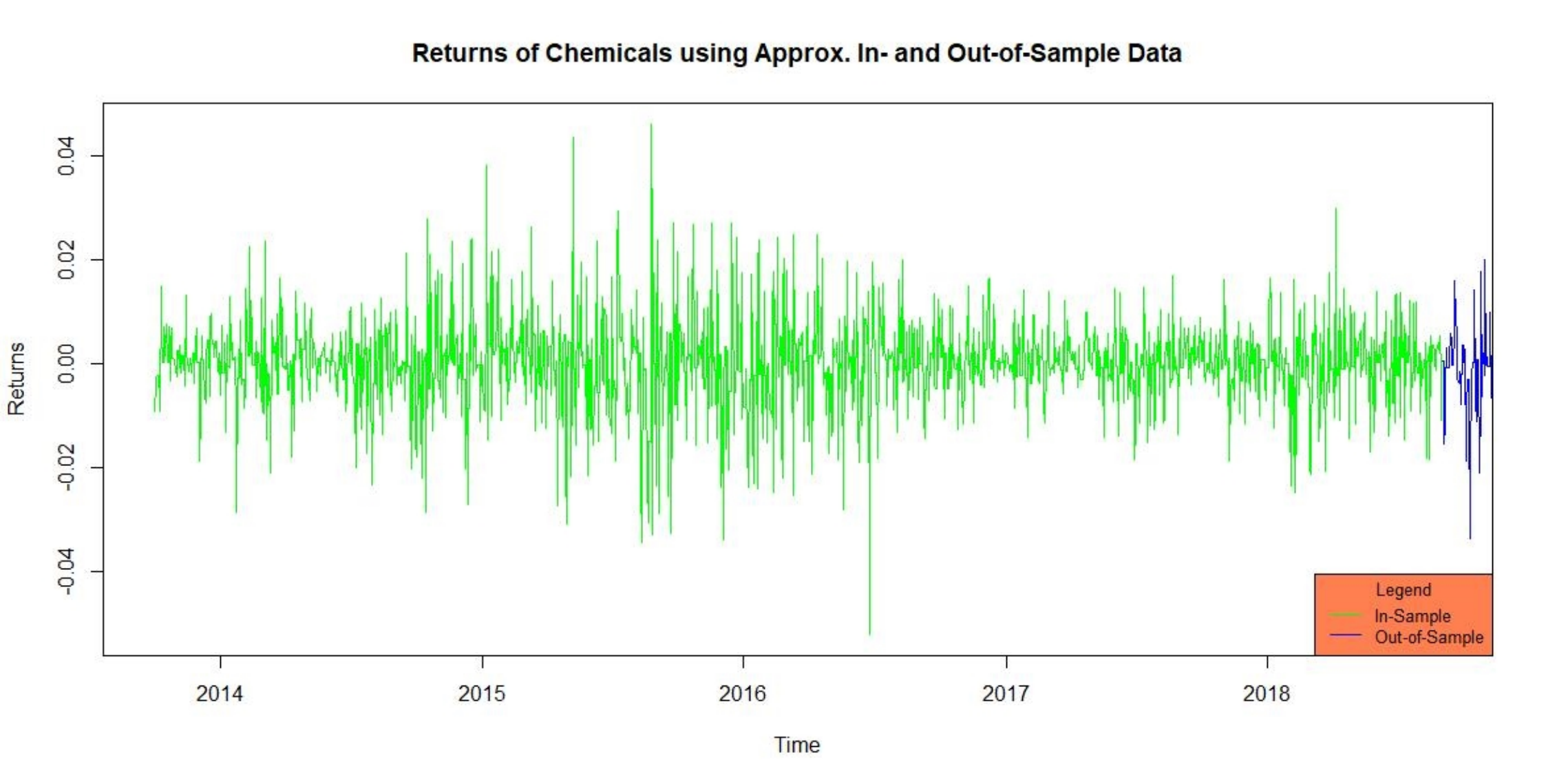

Returns of Litecoin using Approx. In- and Out-of-Sample Data
Returns
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

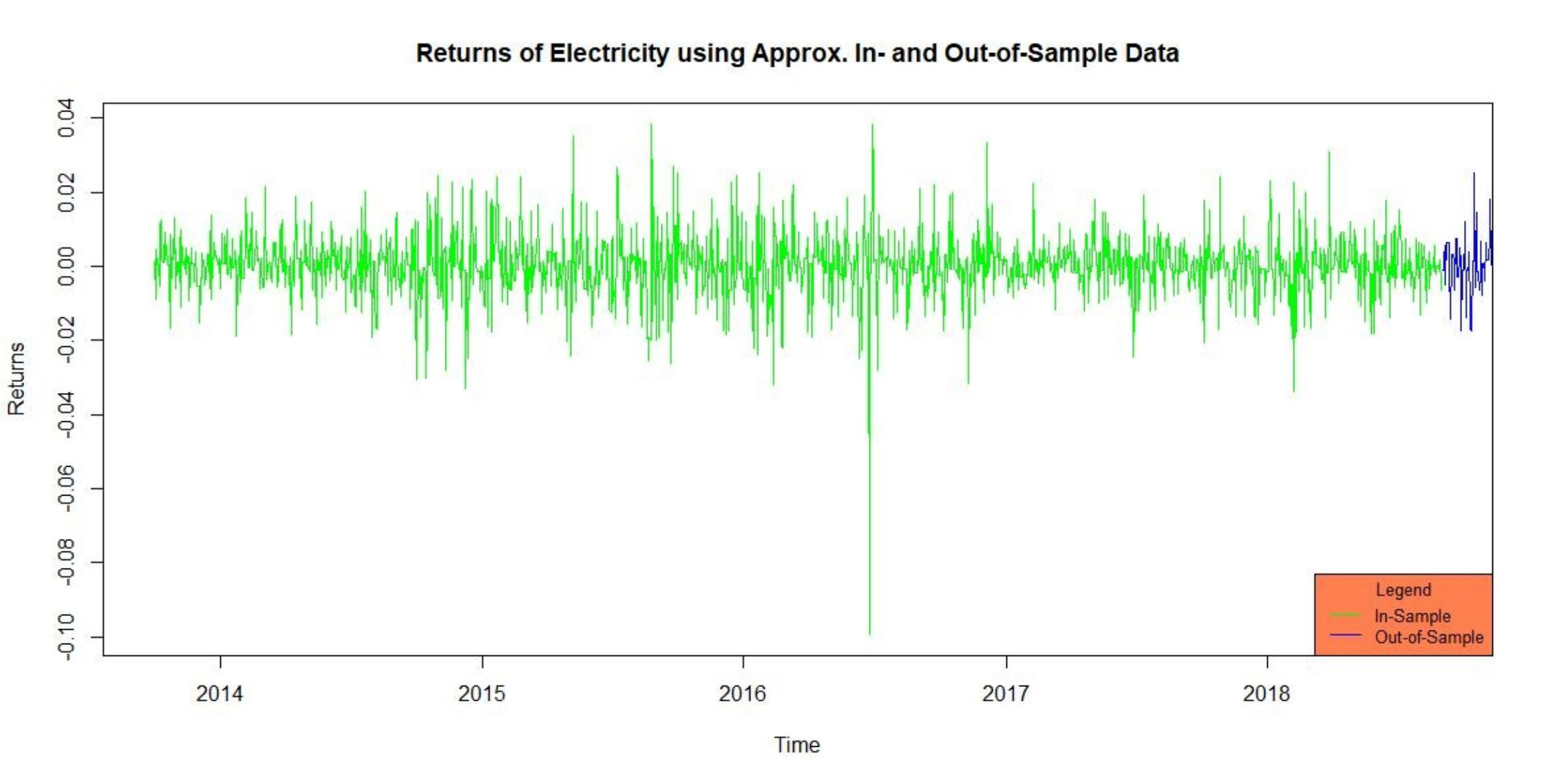

Returns of Alternative Energy using Approx. In- and Out-of-Sample Data
Returns
0.10
0.05
0.00
-0.05
-0.10
-0.15
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

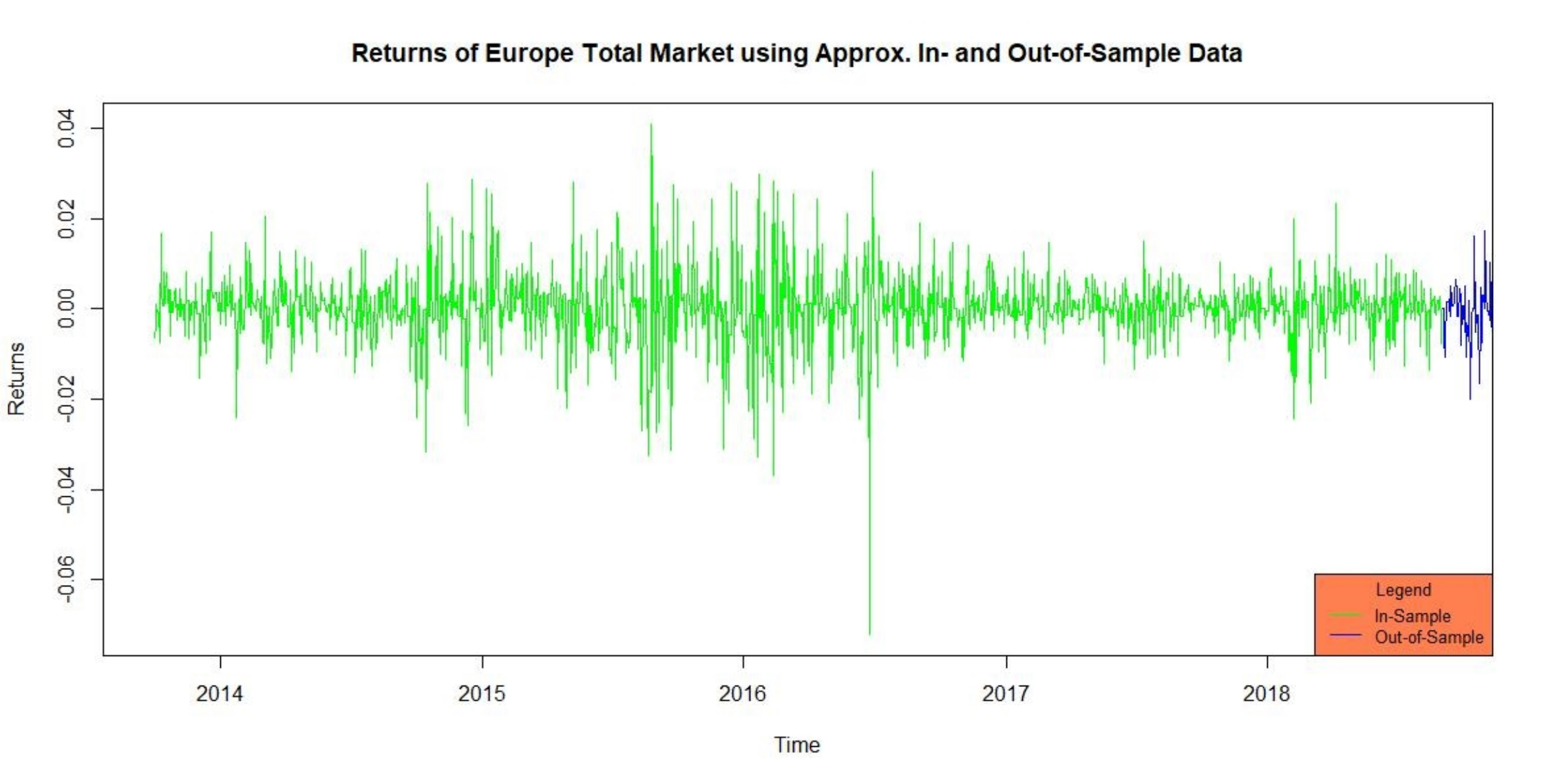

Returns of Airlines using Approx. In- and Out-of-Sample Data
Returns
0.05
0.00
-0.05
-0.10
-0.15
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

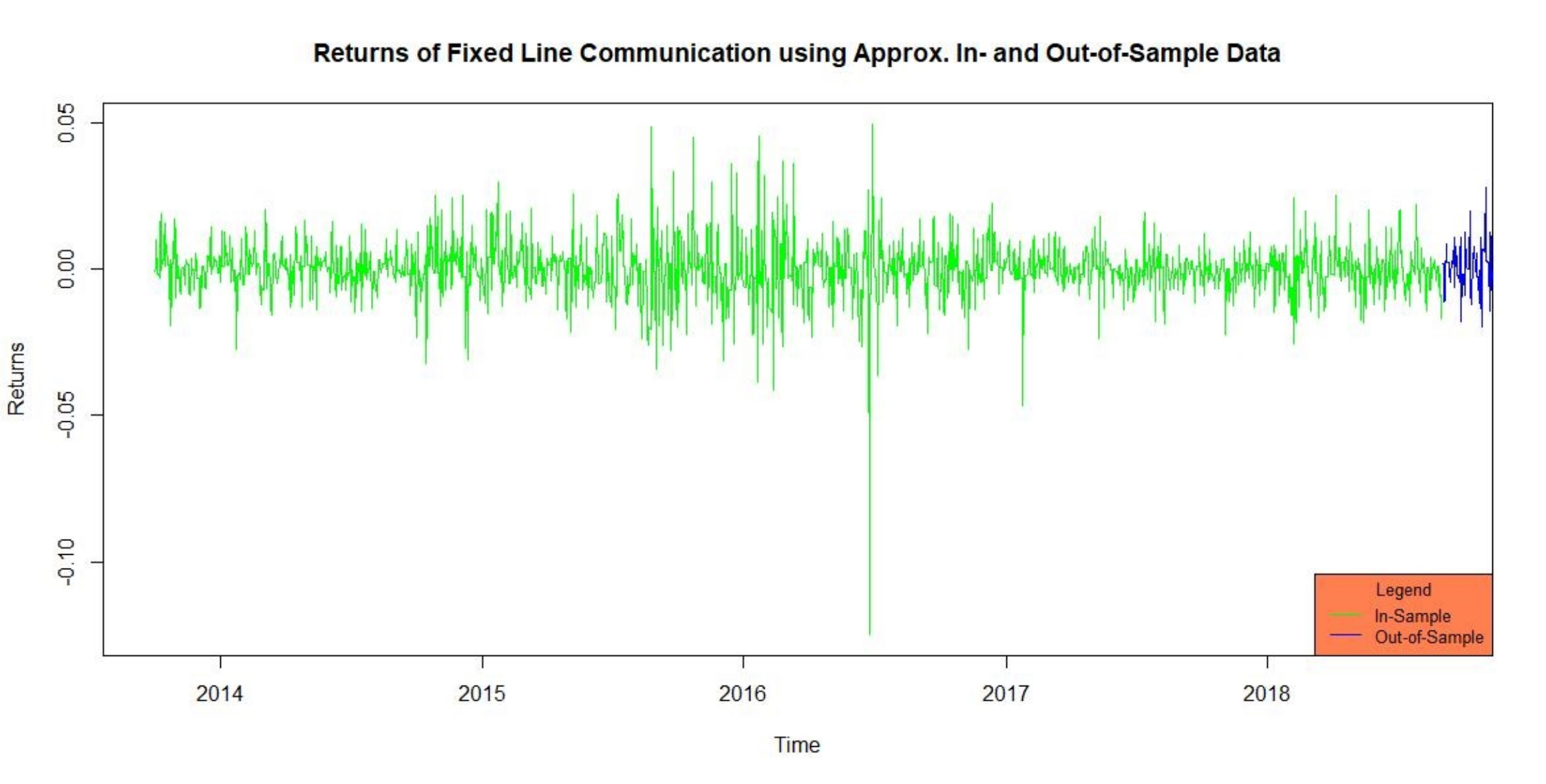

Returns of Auto and parts using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

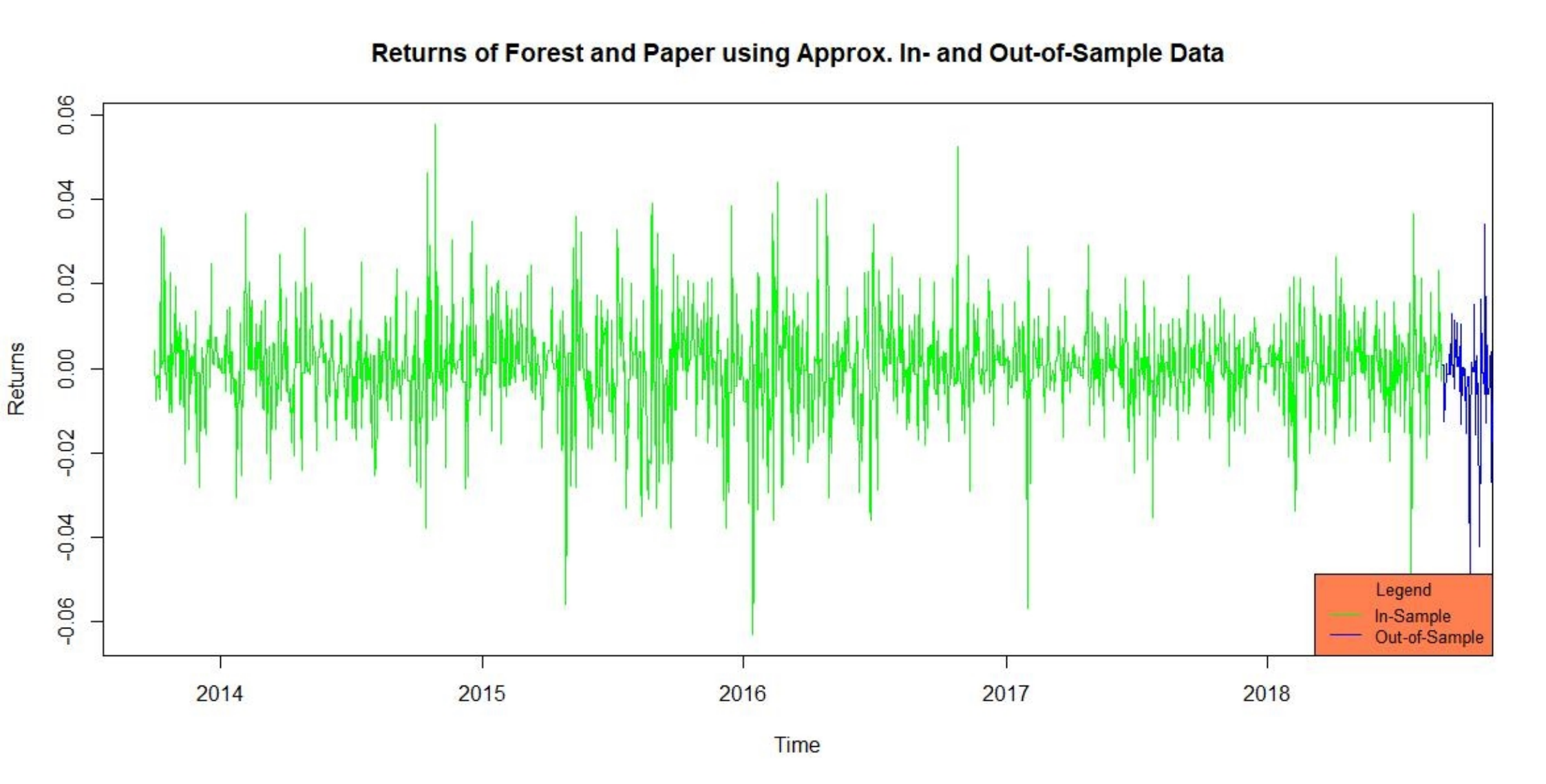

Returns of Beverages using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

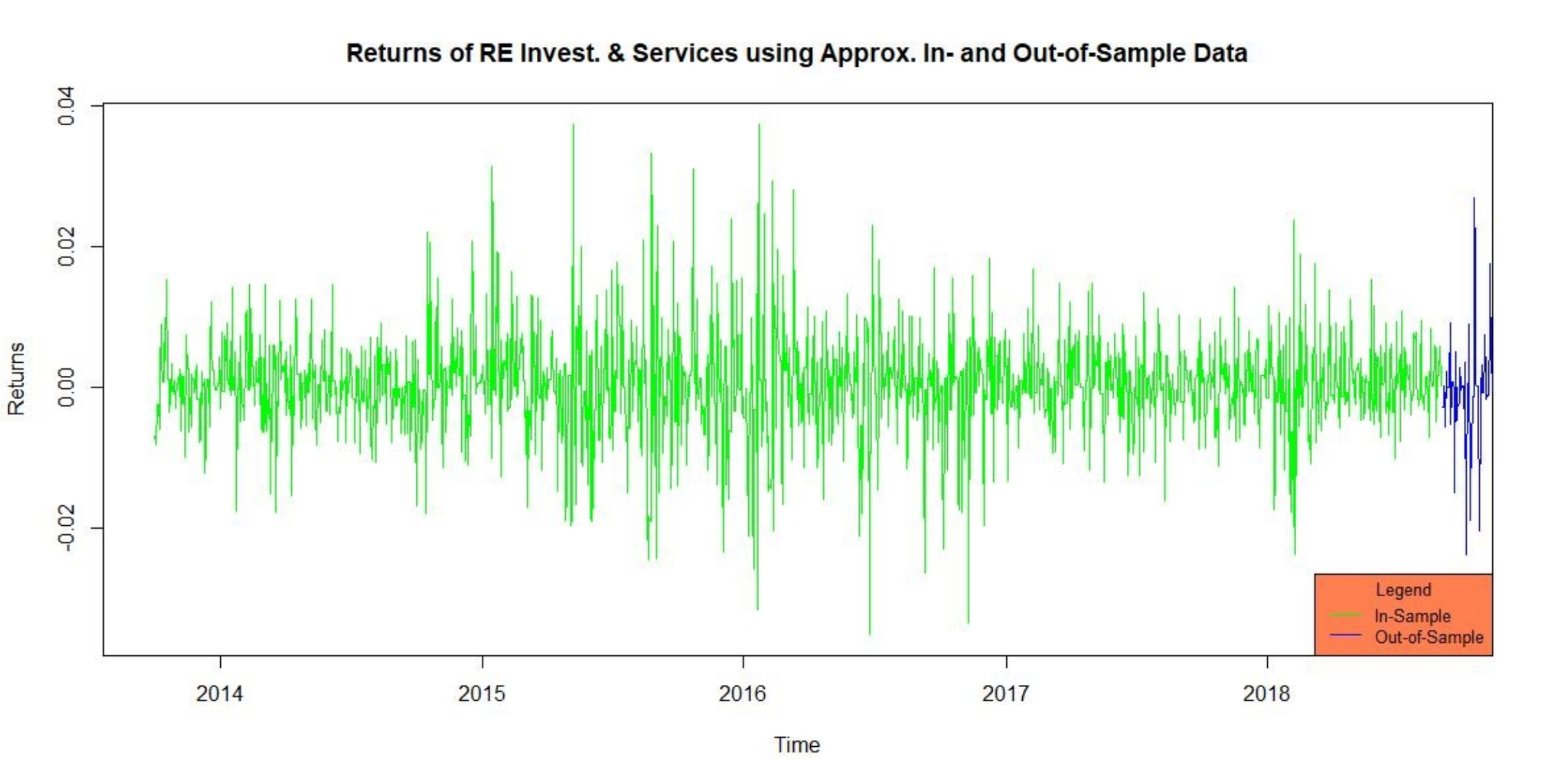

Returns of Chemicals using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

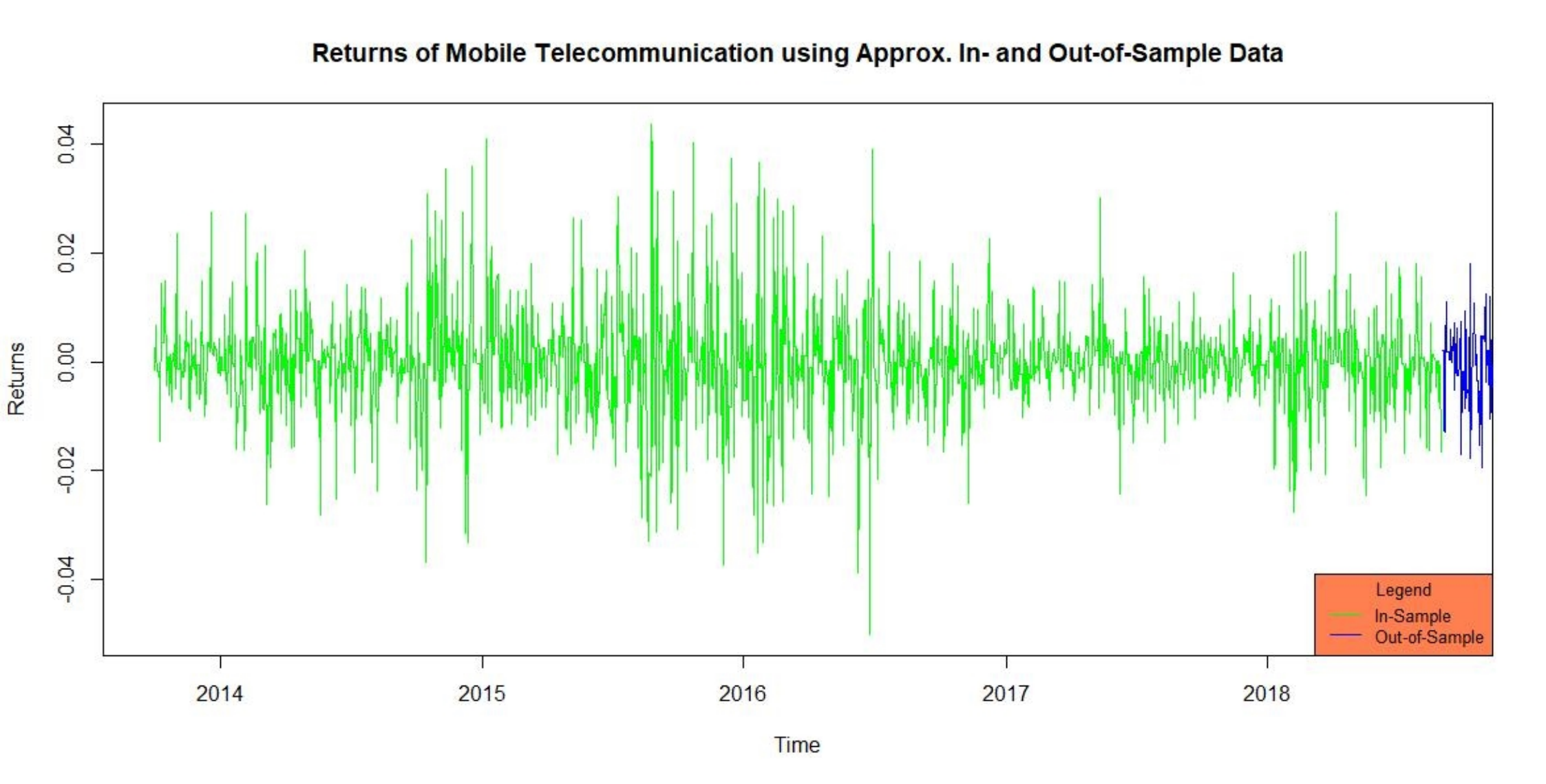

Returns of Electricity using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

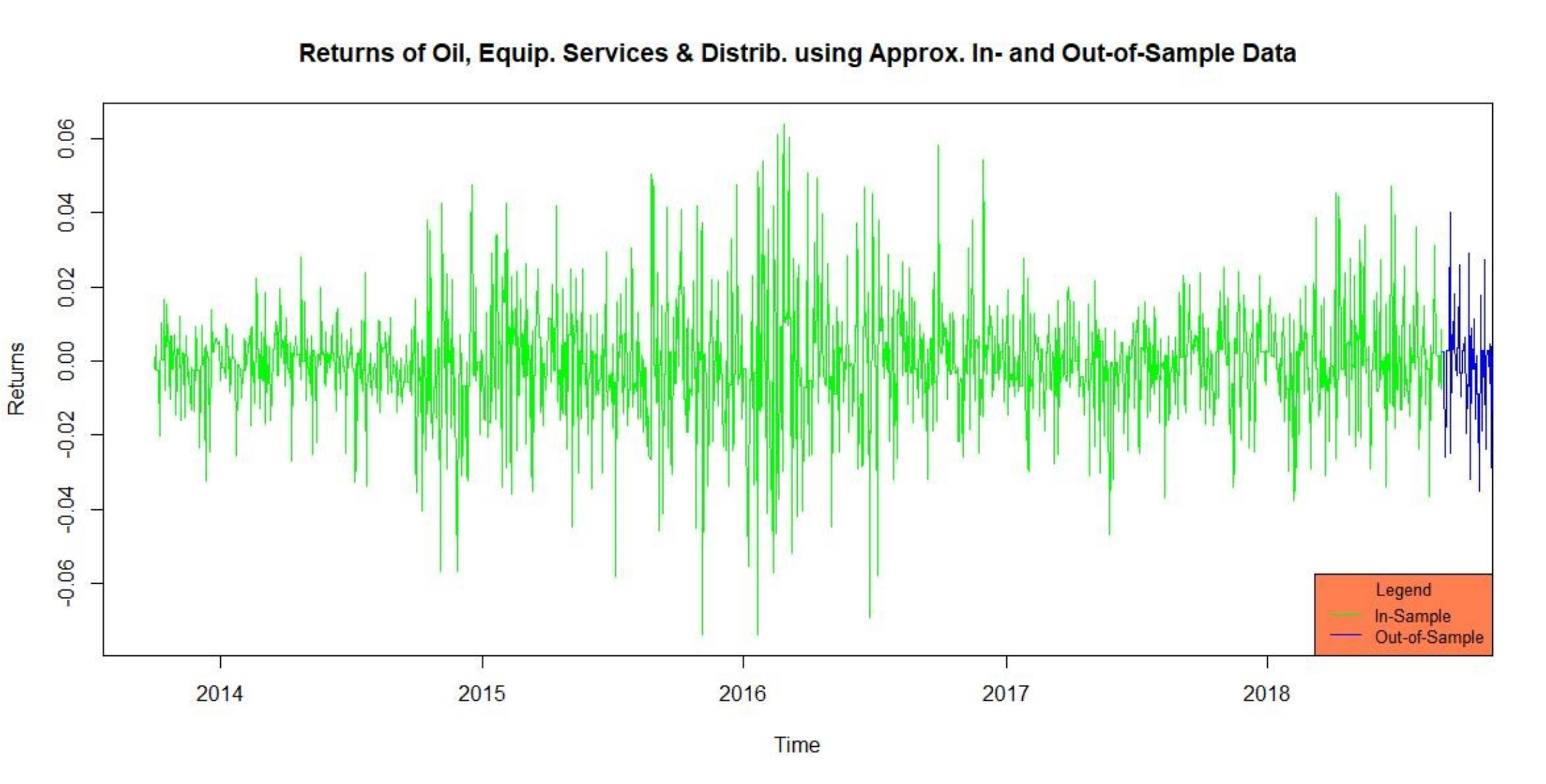

Returns of Europe Total Market using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

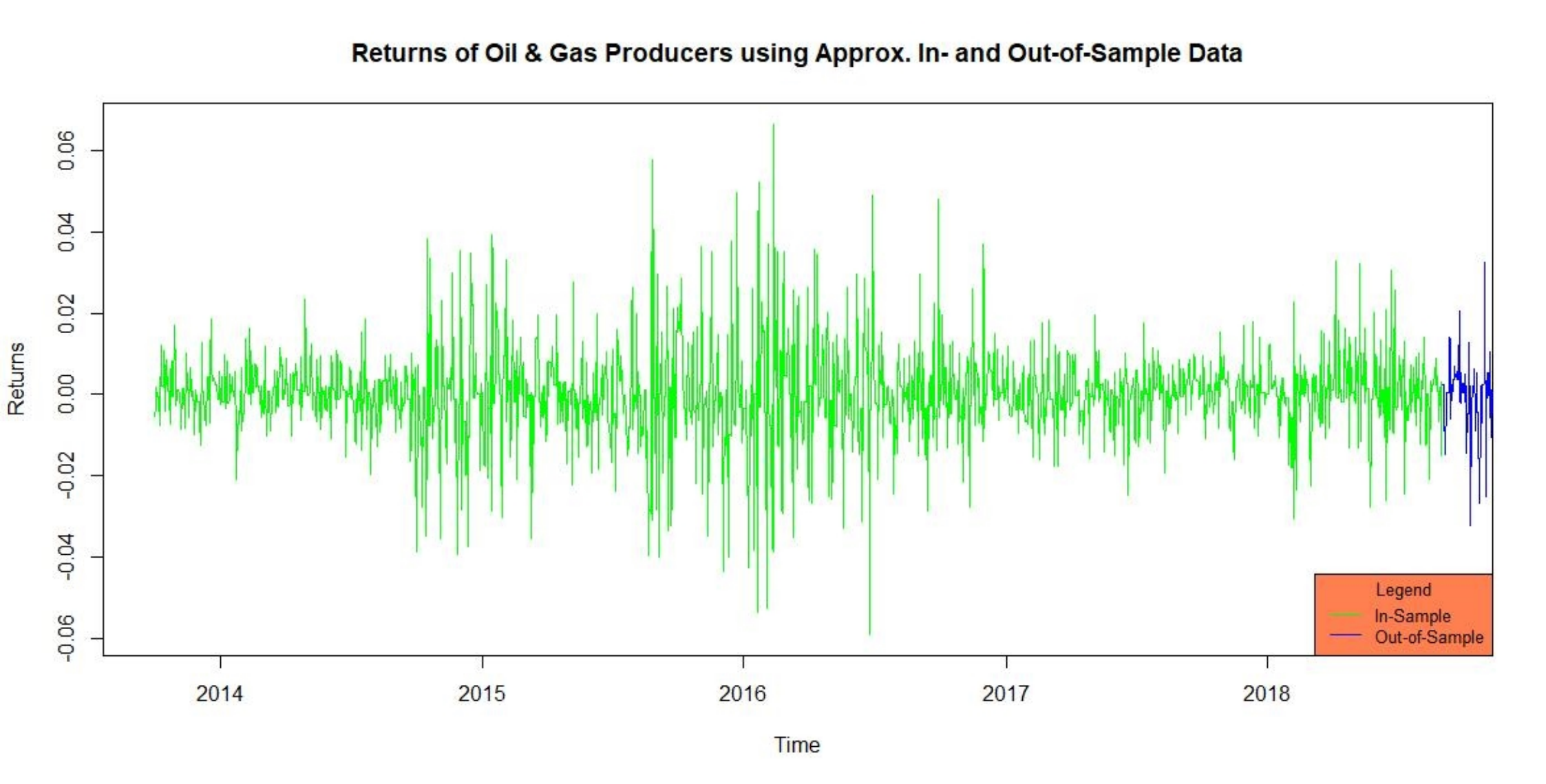

Returns of Fixed Line Communication using Approx. In- and Out-of-Sample Data
Returns
0.05
0.00
-0.05
-0.10
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

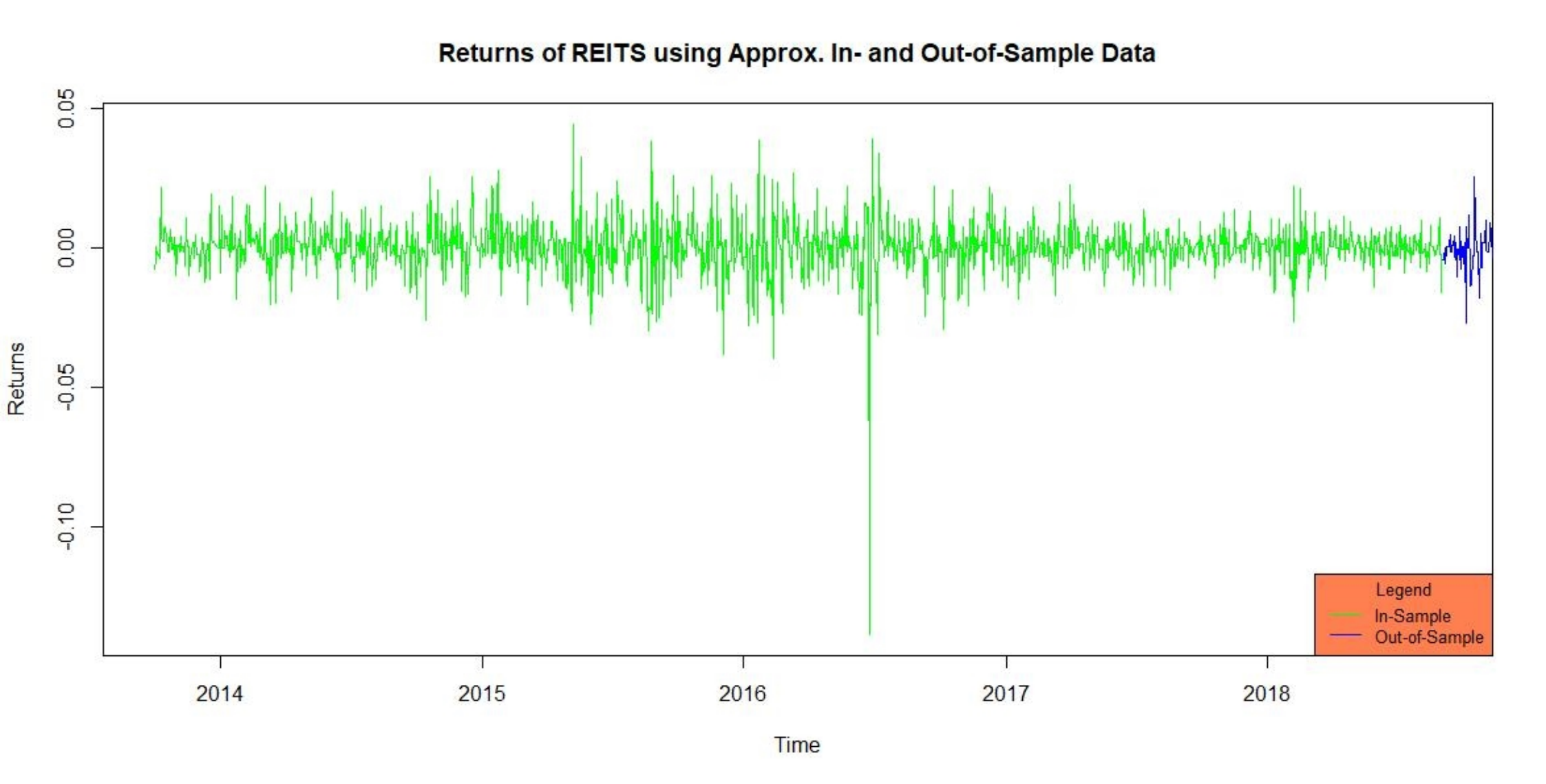

Returns of Forest and Paper using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

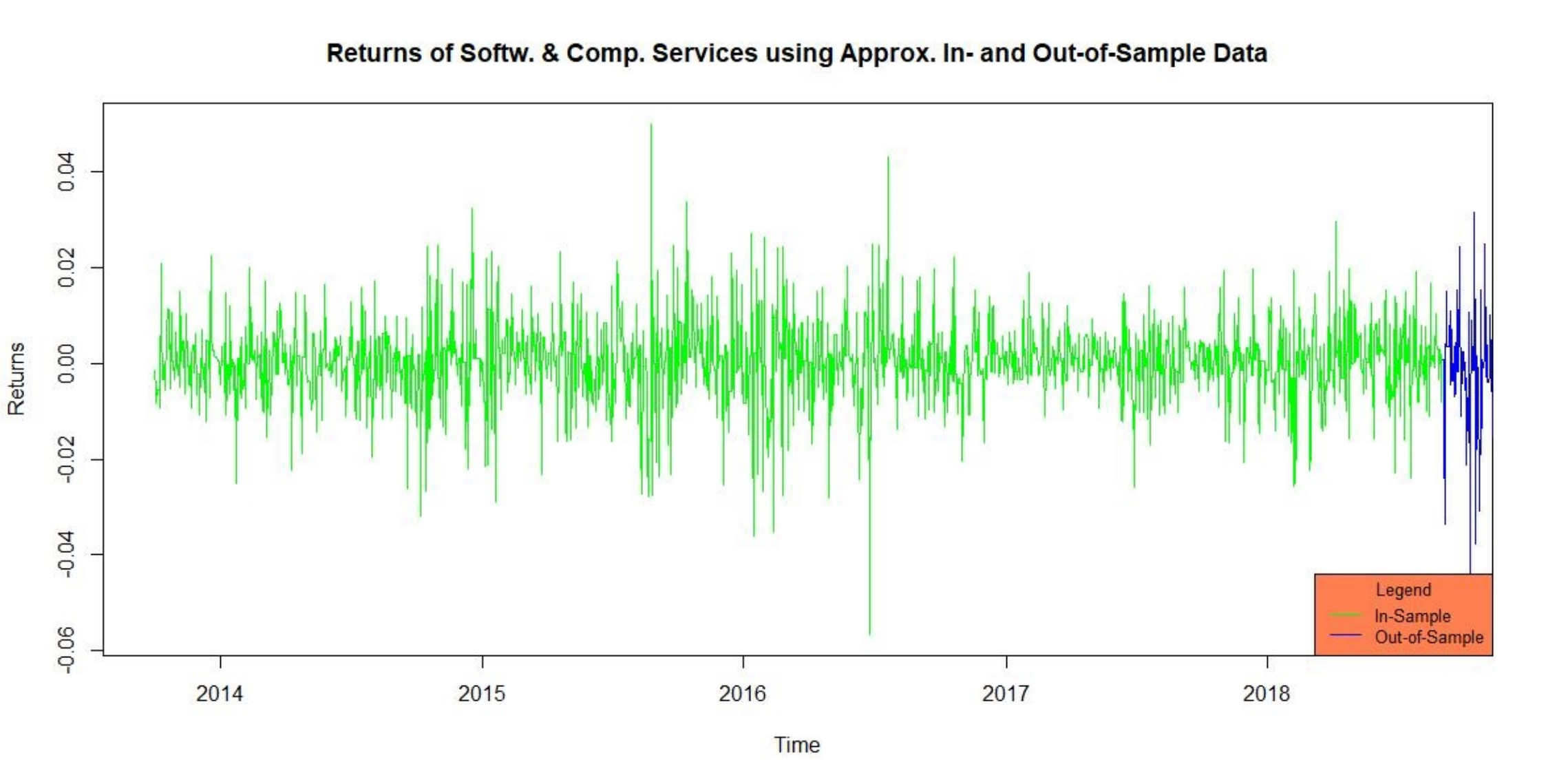

Returns of RE Invest. & Services using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

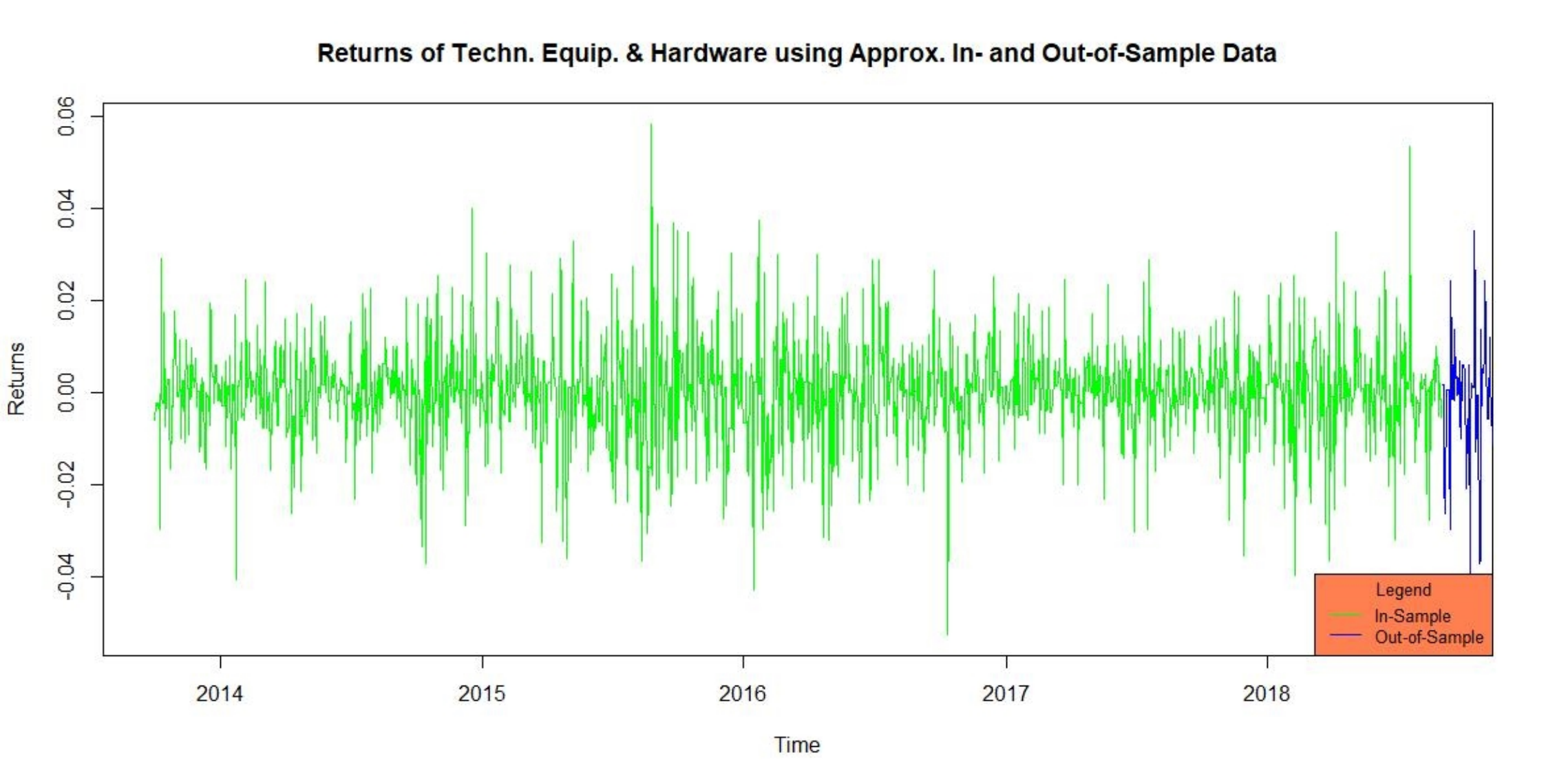

Returns of Mobile Telecommunication using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

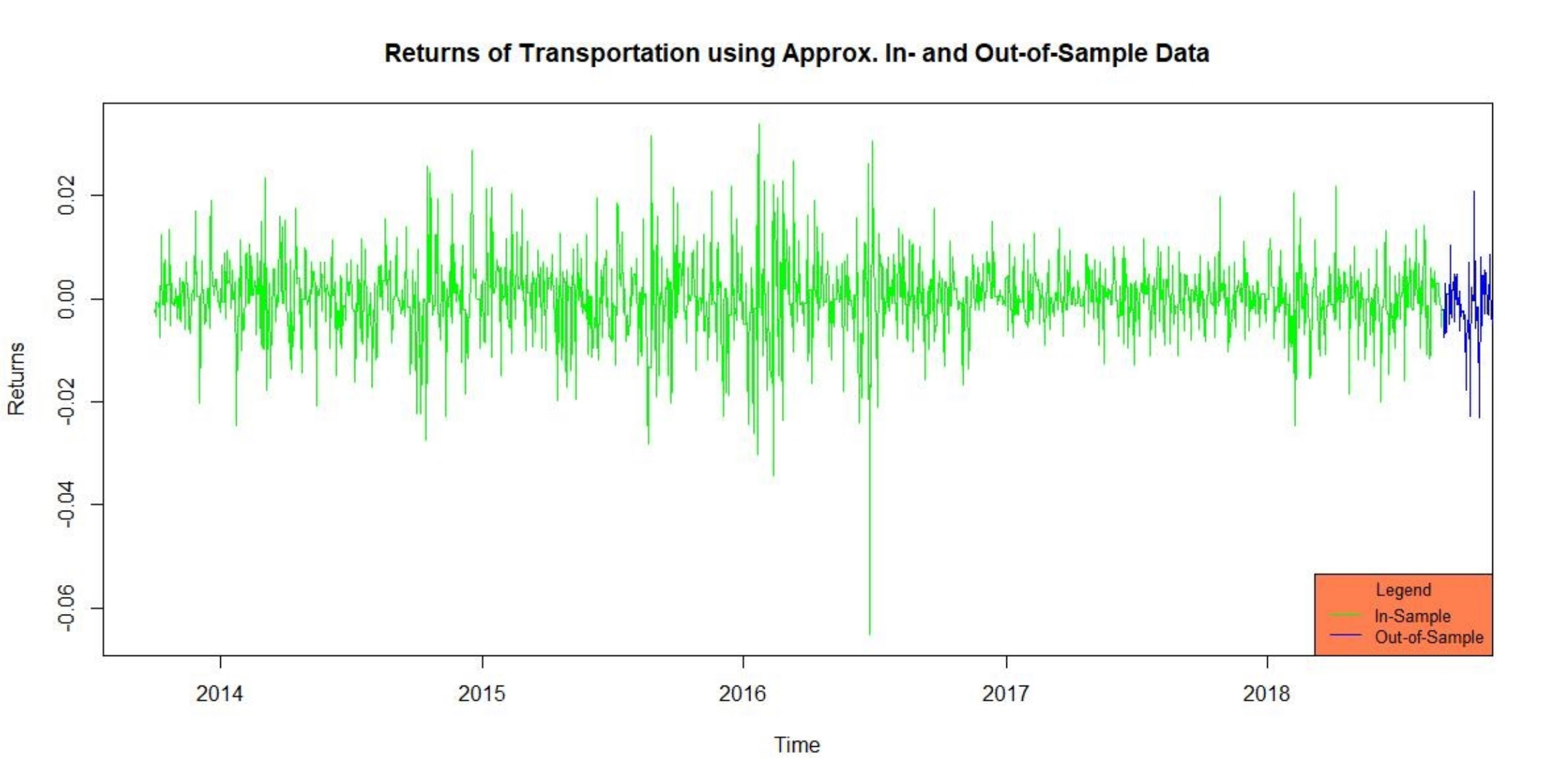

Returns of Oil, Equip. Services & Distrib. using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

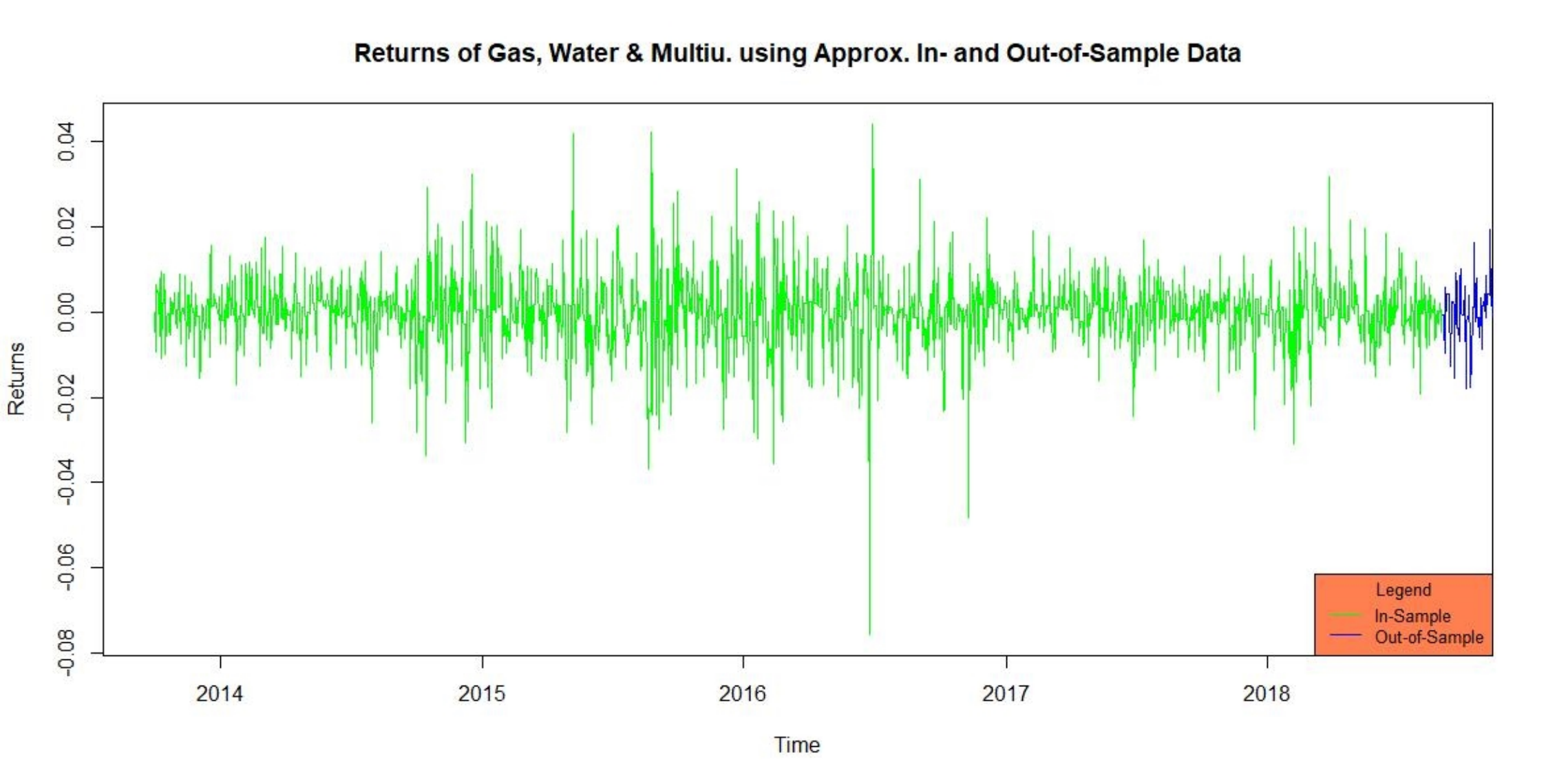

Returns of Oil & Gas Producers using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Returns of REITS using Approx. In- and Out-of-Sample Data
Returns
0.05
0.00
-0.05
-0.10
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Returns of Softw. & Comp. Services using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Returns of Techn. Equip. & Hardware using Approx. In- and Out-of-Sample Data
Returns
0.06
0.04
0.02
0.00
-0.02
-0.04
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Returns of Transportation using Approx. In- and Out-of-Sample Data
Returns
0.02
0.00
-0.02
-0.04
-0.06
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample


Returns of Gas, Water & Multiu. using Approx. In- and Out-of-Sample Data
Returns
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
2014
2015
2016
2017
2018
Time
Legend
In-Sample
Out-of-Sample

DIGITAL APPENDIX C

DIGITAL APPENDIX C

C_[CODE]_Chapter 3.3._Summary Statstics of the Returns

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#Descriptive measures of in sample Data
summary(datDJACretINSA$rev.DJACretINSA)
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summary(datLITCretINSA$rev.LITCretINSA)
summary(datGREXretINSA$rev.GREXretINSA)
summary(datDAXPretINSA$rev.DAXPretINSA)

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DIGITAL APPENDIX C

C_[RESULTS]_Chapter 3.3._Summary Statstics of the Returns

		Min.	1st Qu.	Median	Mean	3rd Qu	Max.	Variance	SD	Skewness	Kurtosis	Excess-Kurtos	Jarque-Berra X^2	Jarque-Berra p-value
1	All Cattle	-3.05E-02	-3.93E-03	0.00E+00	-9.10E-05	3.39E-03	3.04E-02	6.96E-05	0.00834082	0.0963969	4.917925	2.751041	273.97	<0.00000000000000022
2	Aluminum	-3.16E-02	-3.99E-03	0.00E+00	8.92E-05	3.61E-03	5.37E-02	7.29E-05	0.00854053	0.4827704	5.935772	6.650489	706.87	<0.00000000000000022
3	Cocoa	-6.49E-02	-5.06E-03	0.00E+00	-6.69E-05	5.42E-03	5.23E-02	0.00013446	0.01159567	-0.3333903	6.219488	4.10158	800.05	<0.00000000000000022
4	Coffee	-6.43E-02	-6.19E-03	-1.08E-04	-6.36E-05	6.11E-03	1.09E-01	0.00022626	0.01504193	0.2903831	8.358641	5.837943	2154.2	<0.00000000000000022
5	Copper	-0.0547894	-0.0038343	0	-0.0001029	0.003426	0.0453265	8.58E-05	0.00926368	-0.02139156	6.992527	5.777031	1180.7	<0.00000000000000022
6	Cotton	-4.80E-02	-4.37E-03	-2.63E-04	-2.89E-05	4.39E-03	4.62E-02	8.61E-05	0.00927646	0.1878592	7.036604	4.259361	1217.4	<0.00000000000000022
7	Lead	-7.50E-02	-4.44E-03	0.00E+00	5.67E-06	4.94E-03	6.33E-02	0.00012412	0.01114114	-0.2061628	8.385079	5.522981	2162.8	<0.00000000000000022
8	Gold	-3.41E-02	-2.92E-03	-4.50E-05	-3.55E-05	2.63E-03	4.59E-02	4.49E-05	0.00670303	0.2852509	8.843792	2.930749	2556.9	<0.00000000000000022
9	Nickel	-9.43E-02	-6.56E-03	9.03E-05	-4.05E-05	6.56E-03	7.19E-02	0.00019859	0.0140922	-0.3142653	7.274908	3.108478	1383.3	<0.00000000000000022
10	Silver	-0.0761926	-0.0044073	0	-0.0002088	0.0040725	0.0521173	0.00012781	0.01130551	-0.5282407	10.28075	20.57919	4016.7	<0.00000000000000022
11	Sugar	-0.0564219	-0.0061762	-0.0002284	-0.0003048	0.0054782	0.0855763	0.00017992	0.01341354	0.2554568	6.420716	4.305931	885.5	<0.00000000000000022
12	Wheat	-0.0603997	-0.0064736	-0.0008145	-0.0001238	0.0060048	0.0658193	0.00015539	0.01246569	0.3283164	5.756064	39.31432	593.66	<0.00000000000000022
13	Zinc	-0.0721115	-0.0047547	0	0.0001558	0.004874	0.0992357	0.0001261	0.0112296	0.2344133	9.655512	3.484207	3302.6	<0.00000000000000022
14	Lean Hogs	-0.1253282	-0.006364	-0.0002002	-0.0002968	0.0061401	0.0601711	0.00020771	0.01441217	-0.5732654	8.559488	7.05018	2389.9	<0.00000000000000022
15	Natural Gas	-0.0867392	-0.0095105	-0.0007103	-0.0001188	0.0091099	0.1007833	0.00033163	0.01821064	0.3487296	6.010372	23.64713	706.54	<0.00000000000000022
16	Petroleum	-0.0729152	-0.0061301	-0.0005866	-0.000183	0.0053175	0.0957506	0.00021768	0.01475411	0.5093521	8.689163	4.128074	2477.6	<0.00000000000000022
17	Soybeans	-6.54E-02	-4.13E-03	-8.70E-05	-2.27E-04	4.05E-03	5.68E-02	8.78E-05	0.00936844	-0.1634268	8.782055	15.02941	2487.3	<0.00000000000000022
18	Forest and Paper	-0.0630477	-0.0036394	0.0007448	0.0005108	0.0050712	0.0578931	0.00012145	0.01102065	-0.2948411	7.264384	4.137855	1373.1	<0.00000000000000022
19	Electricity	-0.0993564	-0.0030384	0.0002154	0.0001266	0.0033033	0.038408	6.55E-05	0.00809415	-0.9192915	18.03443	5.838768	17045	<0.00000000000000022
20	Fixed Line Communication	-1.25E-01	-3.37E-03	-1.31E-05	-9.63E-05	3.01E-03	4.95E-02	8.38E-05	0.0091537	-1.163979	25.41922	5.68414	37759	<0.00000000000000022
21	Gas, Water and Multiutilities	-7.57E-02	-3.04E-03	3.48E-04	-4.20E-05	3.02E-03	4.42E-02	6.94E-05	0.00832994	-0.4517279	10.45765	3.415693	4188.1	<0.00000000000000022
22	Industrial Transportation	-0.0651494	-0.0024054	0.0002042	0.0001715	0.0033652	0.0339336	5.16E-05	0.00718056	-0.4461525	9.408914	3.987504	3106.3	<0.00000000000000022
23	Mobile Telecommunication	-5.03E-02	-3.57E-03	-9.92E-05	-5.73E-05	3.61E-03	4.38E-02	8.18E-05	0.00904313	0.1579418	7.142878	3.005349	1278.8	<0.00000000000000022
24	Oil and Gas Producers	-0.0591523	-0.0038034	0.0002247	0.0000846	0.003771	0.0665944	0.00011595	0.01076802	0.09007978	8.528004	7.452623	2268.4	<0.00000000000000022
25	Oil, Equipment Services and Distribution	-0.0737908	-0.0064281	-0.0005035	-0.0004179	0.0055838	0.0639837	0.00021428	0.01463833	-0.02968617	6.489231	9.026877	901.43	<0.00000000000000022
26	Airlines	-0.1756332	-0.0052009	0.0004935	0.0003259	0.0056327	0.0524666	0.00016753	0.01294342	-1.632994	23.58422	12.70873	32283	<0.00000000000000022
27	Real Estate Investment and Services	-0.0351883	-0.0025855	0.0003922	0.0003019	0.0031096	0.0374613	4.71E-05	0.00686502	0.07221495	7.106603	3.214464	1250.7	<0.00000000000000022
28	REITS	-1.39E-01	-2.95E-03	-2.02E-05	9.15E-05	3.58E-03	4.43E-02	7.44E-05	0.00862415	-2.240418	42.31935	5.554464	116434	<0.00000000000000022
29	Alternative Energy	-0.1740791	-0.0055639	0.0005142	0.0003938	0.0065398	0.0967901	0.00025787	0.01605818	-0.6130713	15.71376	50.68895	12118	<0.00000000000000022
30	Software and Computer Services	-0.0566169	-0.0029569	0.0004065	0.000358	0.0038776	0.0498962	6.63E-05	0.00814123	-0.1654846	7.310954	4.269885	1385	<0.00000000000000022
31	Technological Equipment and Hardware	-0.052497	-0.0036004	0.0006751	0.0002685	0.0044303	0.0583087	0.00010676	0.01033262	-0.05691097	6.113501	22.4142	718.08	<0.00000000000000022
32	Beverages	-0.0397115	-0.0028572	0.0001135	0.0001594	0.0032124	0.0699706	6.36E-05	0.00797292	0.3489389	10.0552	5.380055	3729.6	<0.00000000000000022
33	Europe Total Market	-0.0720968	-0.0023236	0.0002721	0.0001179	0.0027736	0.0408773	5.44E-05	0.00737551	-0.5027747	12.0319	4.031581	6131.4	<0.00000000000000022
34	Chemicals	-0.0520856	-0.0028784	0.0002806	0.0001691	0.0037935	0.0461606	6.81E-05	0.00825239	-0.1441128	7.133097	7.275724	1271.6	<0.00000000000000022
35	Auto and Parts	-0.088345	-0.004271	0	0.000102	0.004713	0.052221	0.00011921	0.01091845	-0.4610788	8.842967	6.40389	2595.3	<0.00000000000000022
36	Bitcoin	-0.618224	-0.012272	0.002549	0.002357	0.018398	0.773201	0.00298812	0.05466374	1.036762	53.69398	7.948946	191394	<0.00000000000000022
37	Litecoin	-0.58526	-0.0216	0	0.00191	0.02068	0.7751	0.00512387	0.07158121	2.006155	26.65215	6.087875	42778	<0.00000000000000022
38	REX	-9.40E-03	-4.16E-04	5.25E-05	3.13E-05	5.14E-04	8.78E-03	1.60E-06	0.00126366	-0.4266574	10.94171	1.912902	4735.3	<0.00000000000000022
39	DAXsubsector All Private Equity & Venture Capital	-0.0376233	-0.0024837	0.0004138	0.0002804	0.0031523	0.0511064	4.89E-05	0.00699323	-0.0658357	9.092898	5.353617	2754.8	<0.00000000000000022

DIGITAL APPENDIX D

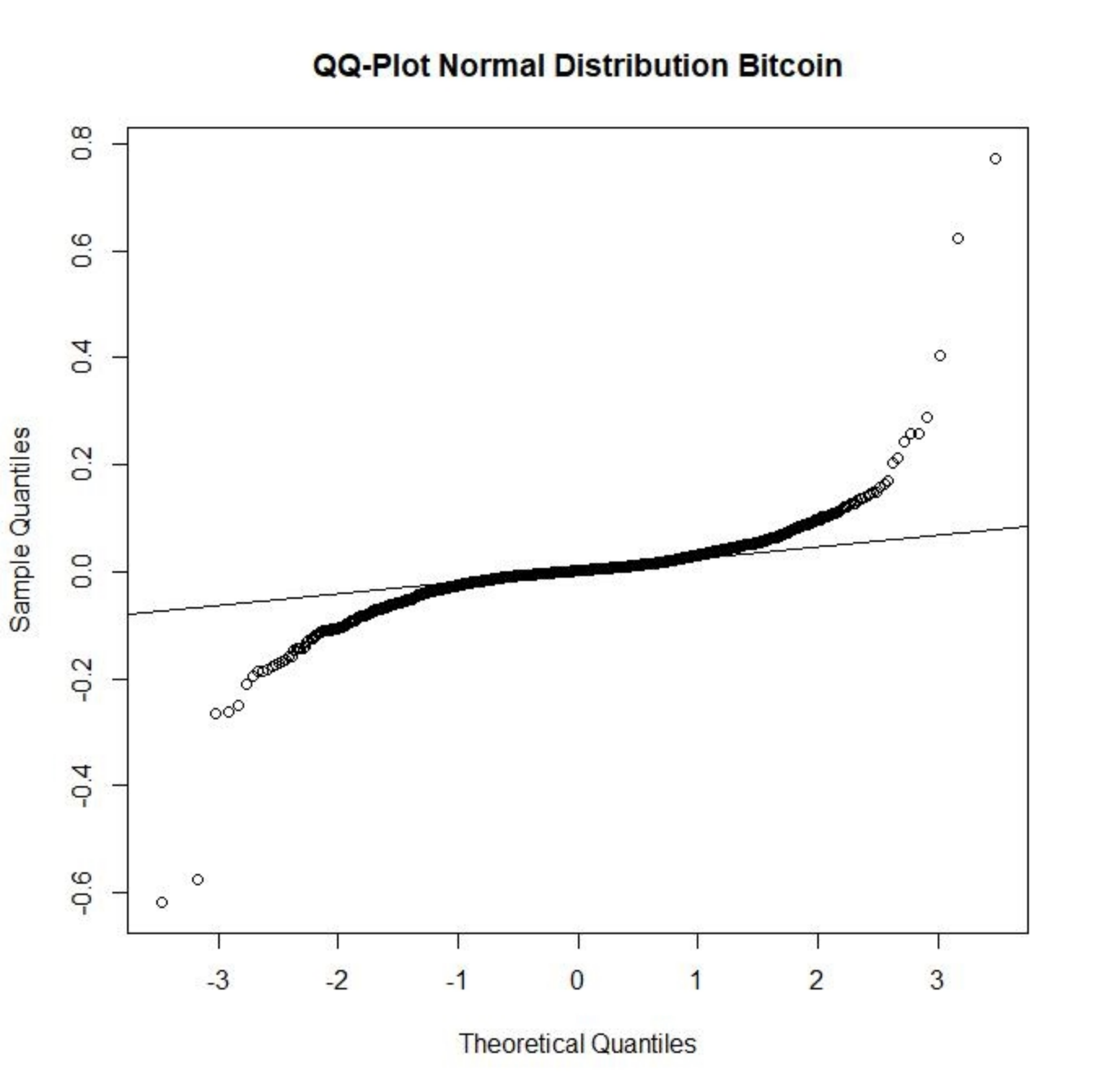
DIGITAL APPENDIX D

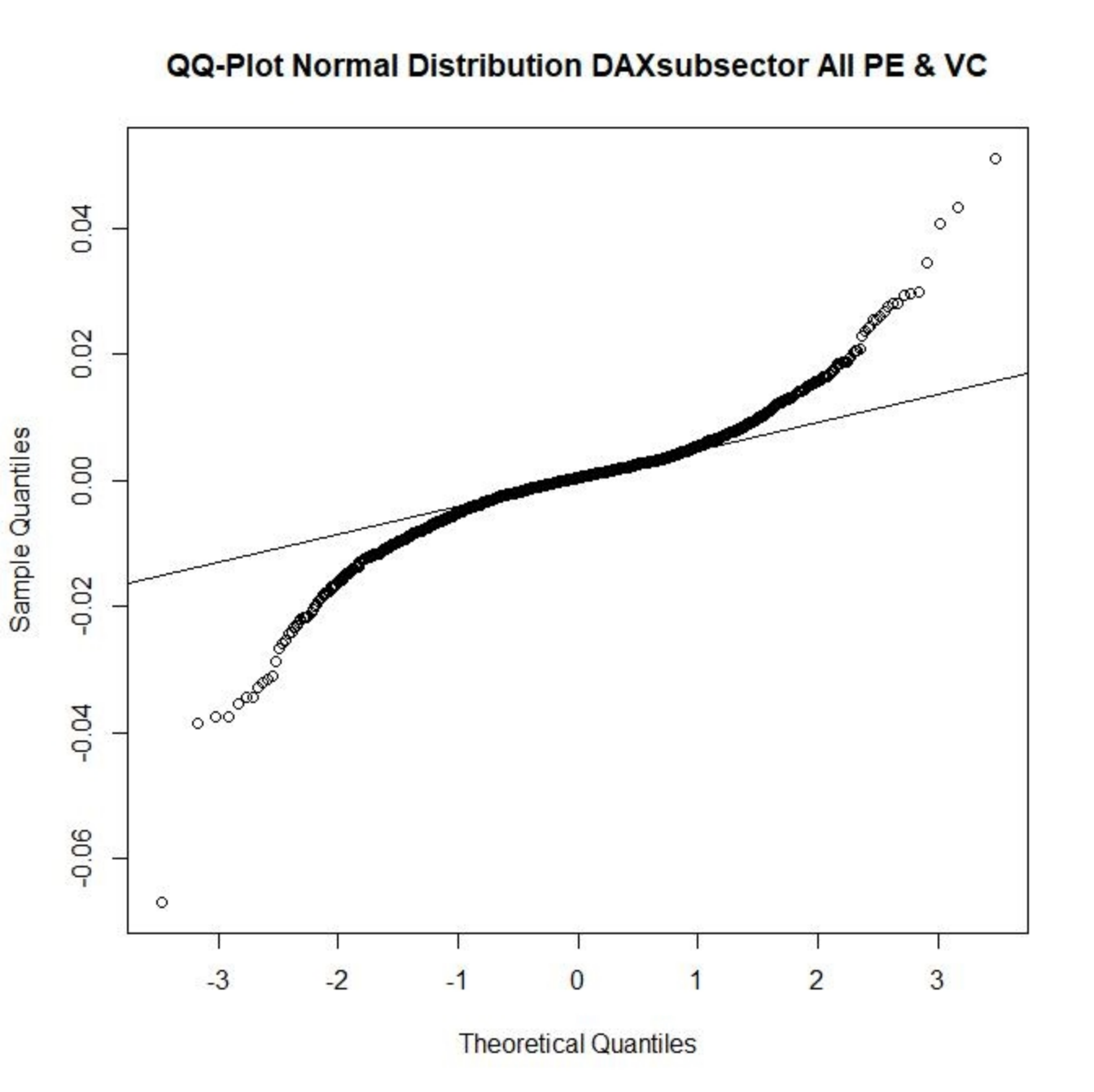
D_[CODE]_Chapter 3.3._QQ-Plots Normal Distribution

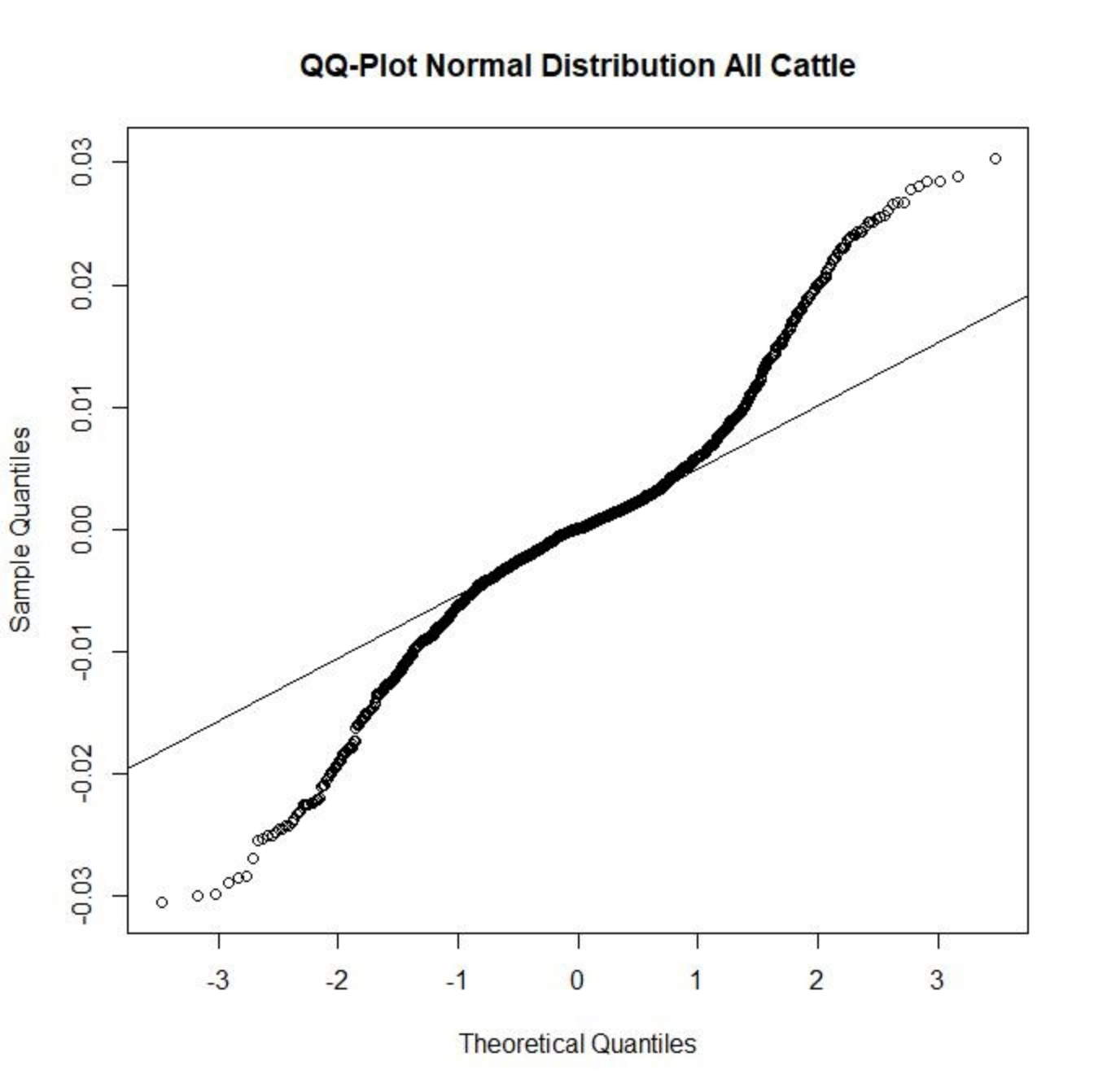
```
#QQ-Plot Normal Distribution
qqnorm(DJACret, main="QQ-Plot Normal Distribution All Cattle")
qqline(DJACret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJACret.jpeg", type="jpeg")
qqnorm(DJALret,, main="QQ-Plot Normal Distribution Aluminium" )
qqline(DJALret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJALret.jpeg", type="jpeg")
qqnorm(DJCCret, , main="QQ-Plot Normal Distribution Cocoa")
qqline(DJCCret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJCCret.jpeg", type="jpeg")
qqnorm(DJCFret, main="QQ-Plot Normal Distribution Coffee")
qqline(DJCFret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJCFret.jpeg", type="jpeg")
qqnorm(DJCPret, main="QQ-Plot Normal Distribution Copper")
qqline(DJCPret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJCPret.jpeg", type="jpeg")
qqnorm(DJCTret, , main="QQ-Plot Normal Distribution Cotton")
qqline(DJCTret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJCTret.jpeg", type="jpeg")
qqnorm(DJLEret, main="QQ-Plot Normal Distribution Lean")
qqline(DJLEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJLEret.jpeg", type="jpeg")
qqnorm(DJGOret, main="QQ-Plot Normal Distribution Gold")
qqline(DJGOret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJGOret.jpeg", type="jpeg")
qqnorm(DJNIret, main="QQ-Plot Normal Distribution Nickel")
qqline(DJNIret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJNIret.jpeg", type="jpeg")
qqnorm(DJSIret, main="QQ-Plot Normal Distribution Silver")
qqline(DJSIret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJSIret.jpeg", type="jpeg")
qqnorm(DJSUret, main="QQ-Plot Normal Distribution Sugar")
qqline(DJSUret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJSUret.jpeg", type="jpeg")
qqnorm(DJWEret, main="QQ-Plot Normal Distribution Wheat")
qqline(DJWEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJWEret.jpeg", type="jpeg")
qqnorm(DJZIret, main="QQ-Plot Normal Distribution Zinc")
qqline(DJZIret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJZIret.jpeg", type="jpeg")
qqnorm(DJLHret, , main="QQ-Plot Normal Distribution Lean Hog")
qqline(DJLHret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJLHret.jpeg", type="jpeg")
qqnorm(DJNGret, main="QQ-Plot Normal Distribution Natural Gas")
qqline(DJNGret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJNGret.jpeg", type="jpeg")
qqnorm(DJPEret, main="QQ-Plot Normal Distribution Petroleum")
qqline(DJPEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJPEret.jpeg", type="jpeg")
qqnorm(DJSOret, main="QQ-Plot Normal Distribution Soybeans")
qqline(DJSOret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DJSOret.jpeg", type="jpeg")
qqnorm(SEFPret, main="QQ-Plot Normal Distribution Forest Paper")
qqline(SEFPret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEFPret.jpeg", type="jpeg")
qqnorm(SEECret, main="QQ-Plot Normal Distribution Eelctricity")
qqline(SEECret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEECret.jpeg", type="jpeg")
qqnorm(SEFLret, main="QQ-Plot Normal Distribution Fixed Line Communication")
qqline(SEFLret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEFLret.jpeg", type="jpeg")
qqnorm(SEUTret, main="QQ-Plot Normal Distribution Utilities")
qqline(SEUTret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEUTret.jpeg", type="jpeg")
qqnorm(SETRret, main="QQ-Plot Normal Distribution Transportation")
qqline(SETRret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SETRret.jpeg", type="jpeg")
qqnorm(SEMOret, main="QQ-Plot Normal Distribution Mobile Telecommunication")
qqline(SEMOret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEMOret.jpeg", type="jpeg")
qqnorm(SEOGret, main="QQ-Plot Normal Distribution Oil and Gas Producers")
qqline(SEOGret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEOGret.jpeg", type="jpeg")
qqnorm(SEOEret, main="QQ-Plot Normal Distribution Oil and Oil, Equip. Services & Distrib.")
qqline(SEOEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEOEret.jpeg", type="jpeg")
qqnorm(SEAIret,  main="QQ-Plot Normal Distribution Airlines")
qqline(SEAIret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEAIret.jpeg", type="jpeg")
qqnorm(SEISret, main="QQ-Plot Normal Distribution RE Invest. & Services")
qqline(SEISret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEISret.jpeg", type="jpeg")
qqnorm(SERERet, main="QQ-Plot Normal Distribution REITS")
qqline(SERERet)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SERERet.jpeg", type="jpeg")
qqnorm(SEAEret, main="QQ-Plot Normal Distribution Alternative Energy")
qqline(SEAEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEAEret.jpeg", type="jpeg")
qqnorm(SESOret, main="QQ-Plot Normal Distribution Softw. & Comp. Services ")
qqline(SESOret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SESOret.jpeg", type="jpeg")
qqnorm(SETEret, main="QQ-Plot Normal Distribution Techn. Equip. & Hardware ")
qqline(SETEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SETEret.jpeg", type="jpeg")
qqnorm(SEBEret, main="QQ-Plot Normal Distribution Beverages")
qqline(SEBEret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEBEret.jpeg", type="jpeg")
qqnorm(SEETret, main="QQ-Plot Normal Distribution European Total Market")
qqline(SEETret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEETret.jpeg", type="jpeg")
qqnorm(SECHret, main="QQ-Plot Normal Distribution Chemicals")
qqline(SECHret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SECHret.jpeg", type="jpeg")
qqnorm(SEAPret, main="QQ-Plot Normal Distribution Automobile & Parts")
qqline(SEAPret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/SEAPret.jpeg", type="jpeg")
qqnorm(BITCret, main="QQ-Plot Normal Distribution Bitcoin")
qqline(BITCret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/BITCret.jpeg", type="jpeg")
qqnorm(LITCret, main="QQ-Plot Normal Distribution Litcoin")
qqline(LITCret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/LITCret.jpeg", type="jpeg")
qqnorm(GREXret, main="QQ-Plot Normal Distribution REX")
qqline(GREXret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/GREXret.jpeg", type="jpeg")
qqnorm(DAXPret, main="QQ-Plot Normal Distribution DAXsubsector All PE & VC")
qqline(DAXPret)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/06_QQ-Plot/DAXPret.jpeg", type="jpeg")
```

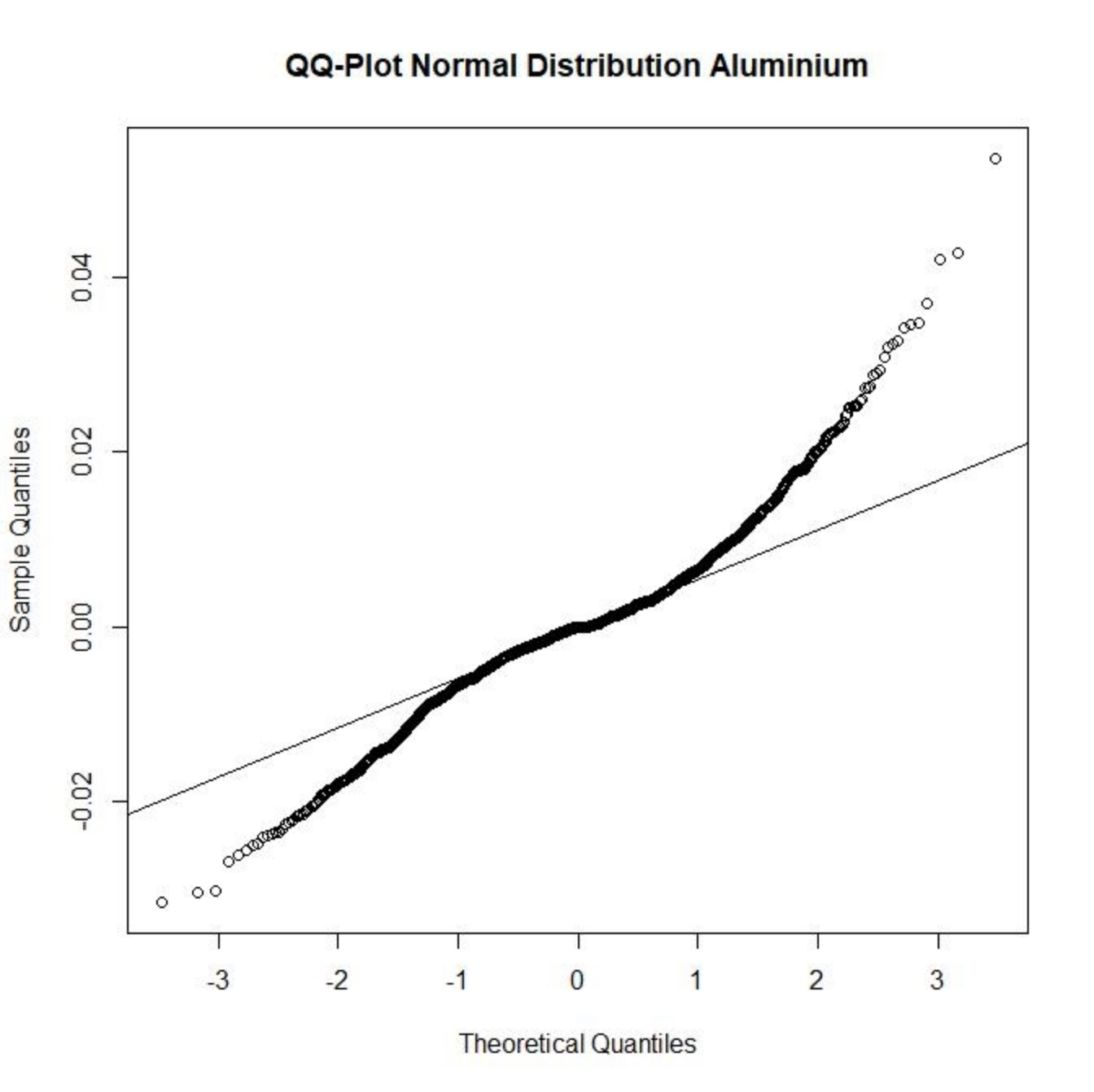
DIGITAL APPENDIX D

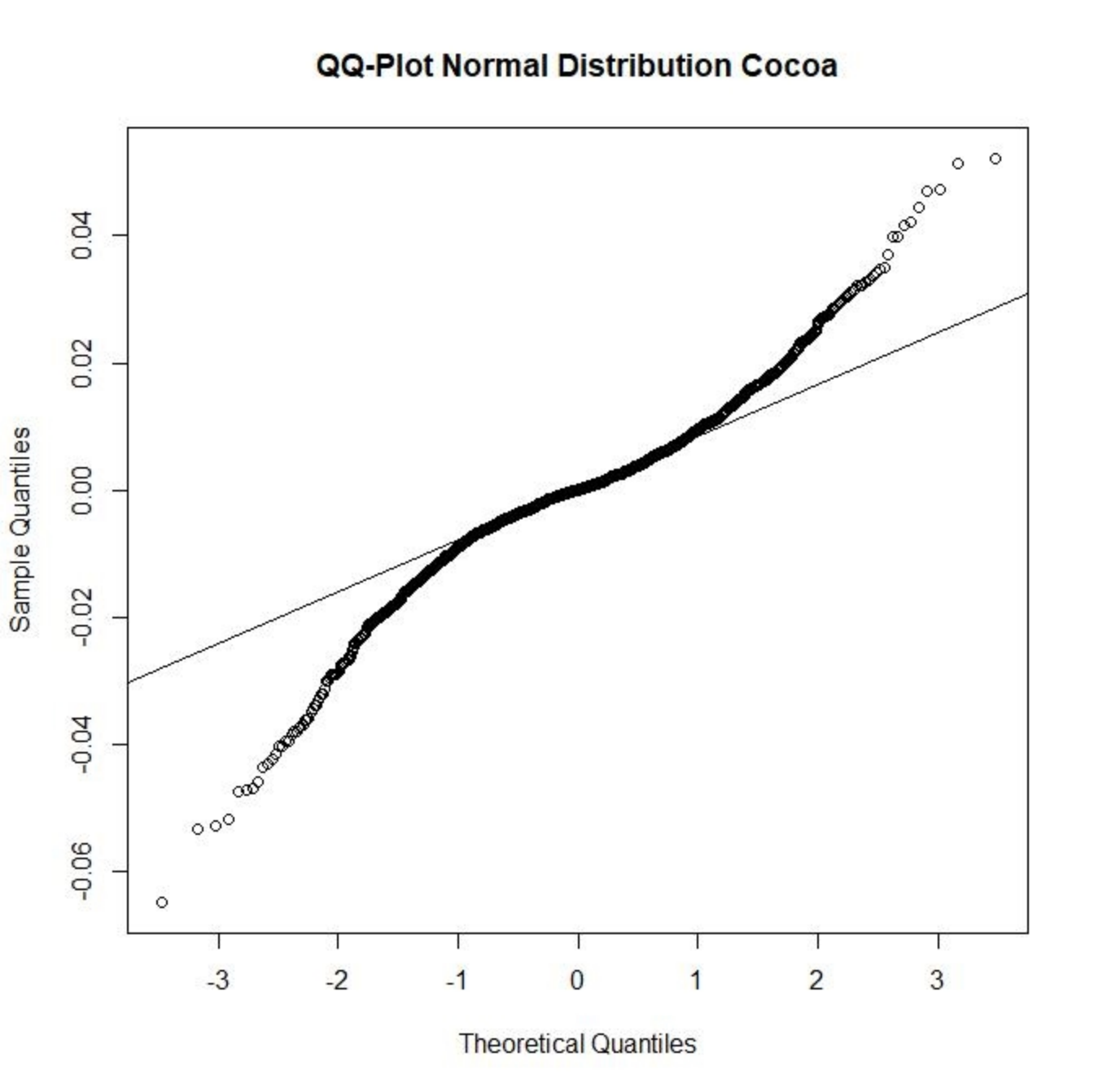
D_[RESULTS]_Chapter 3.3._QQ-Plots Normal Distribution

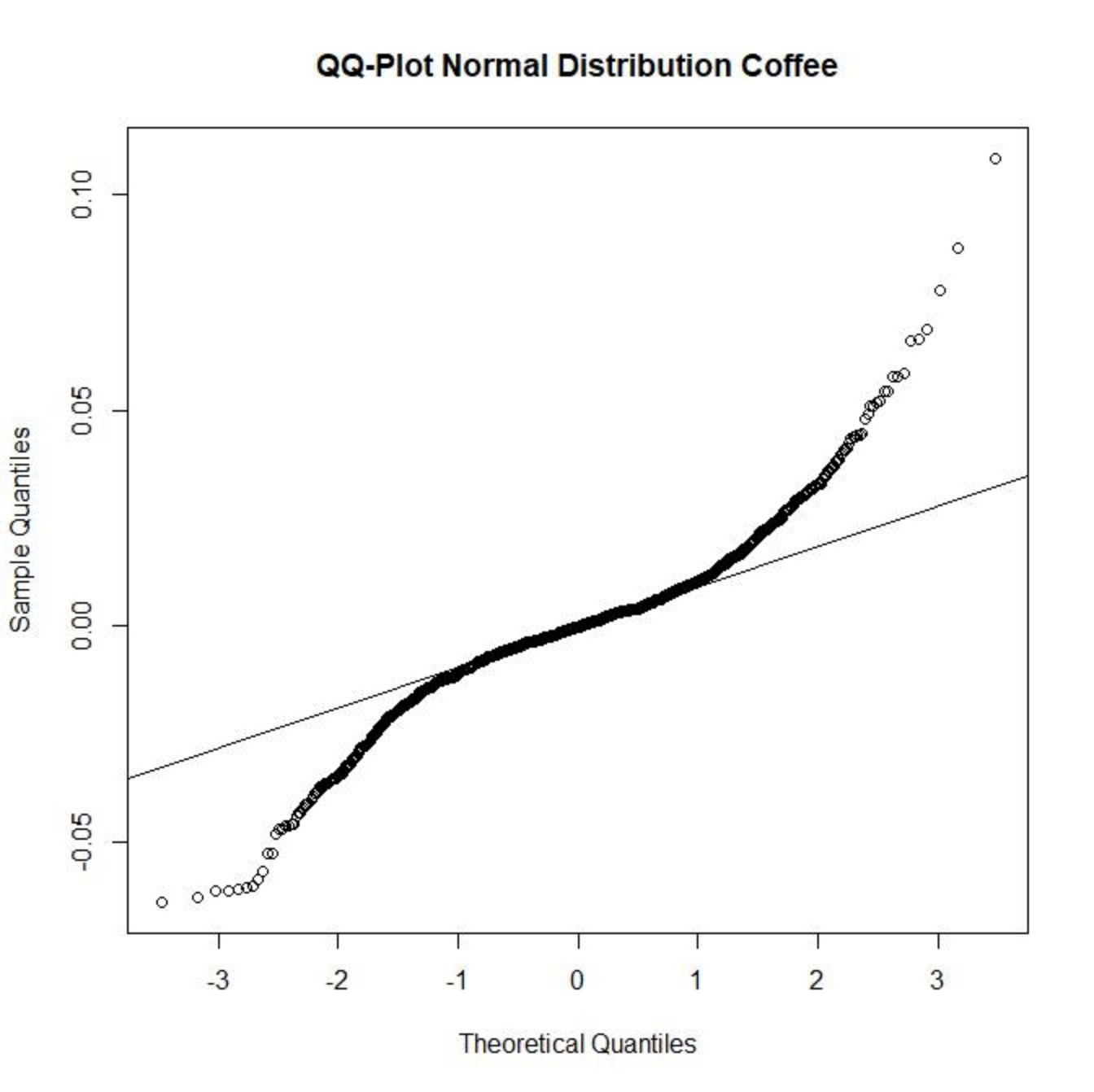

QQ-Plot Normal Distribution Bitcoin
Sample Quantiles
Theoretical Quantiles
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-3
-2
-1
0
1
2
3

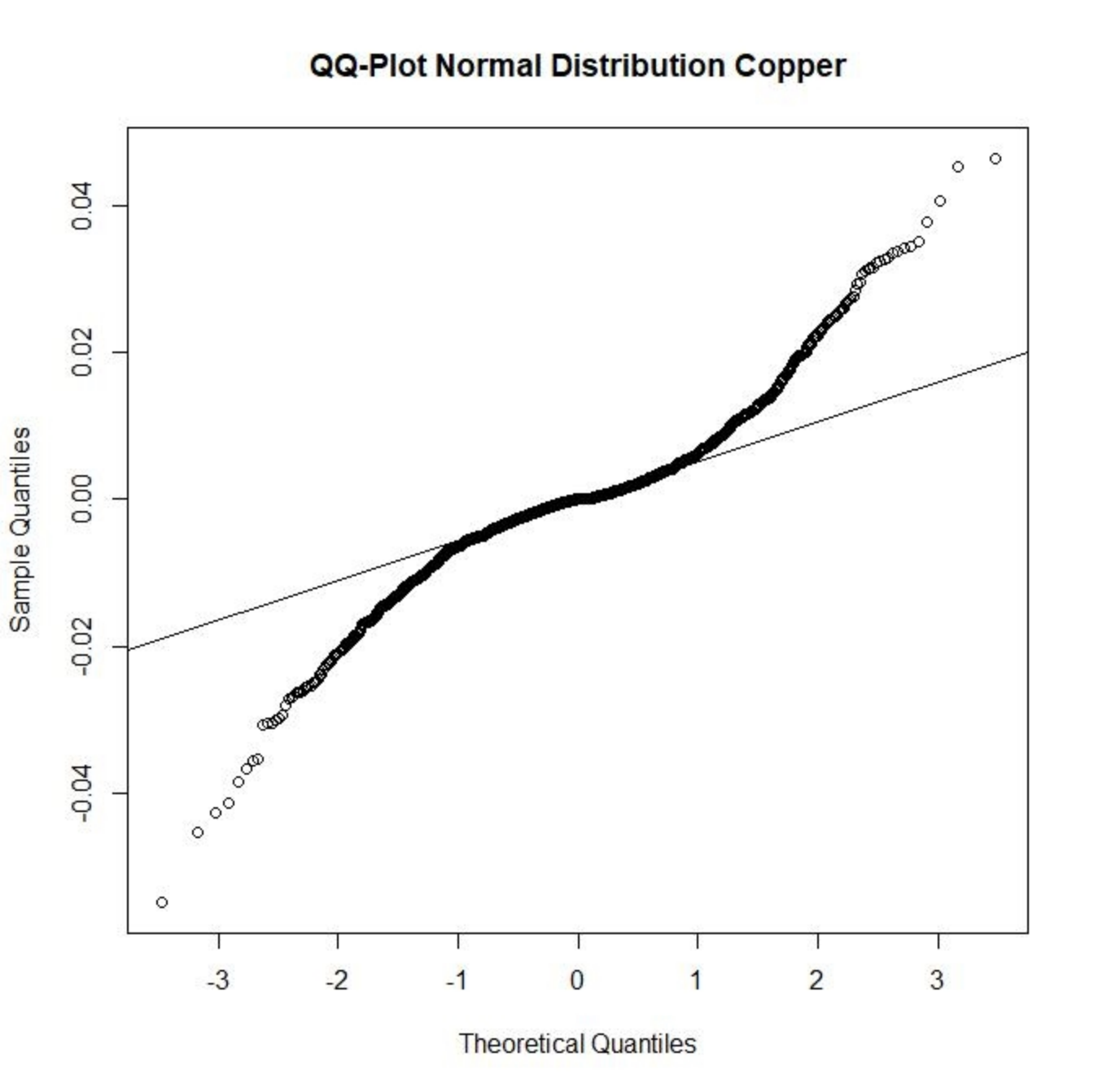

QQ-Plot Normal Distribution DAXsubsector All PE & VC
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3
Theoretical Quantiles

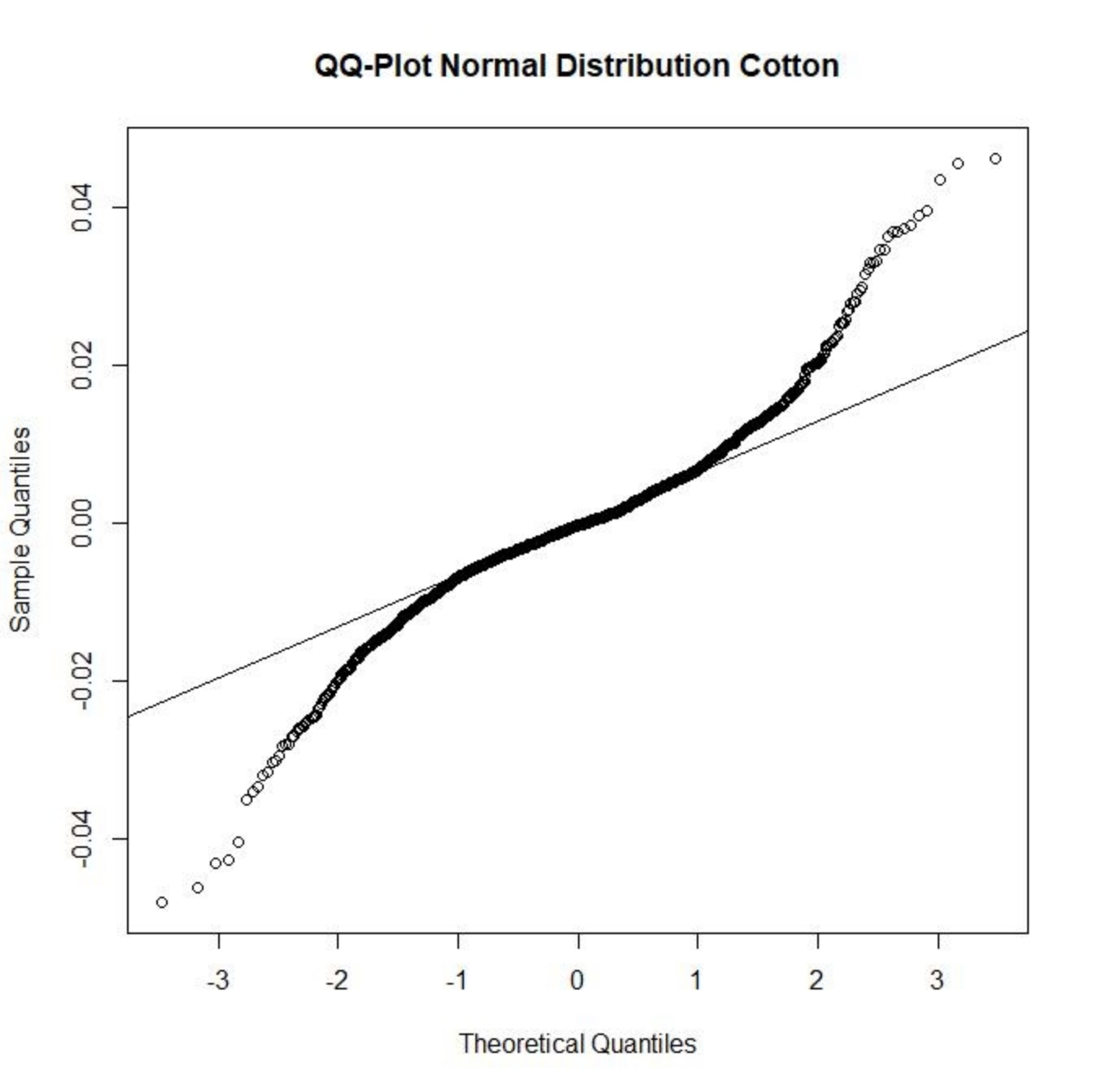

QQ-Plot Normal Distribution All Cattle
Sample Quantiles
Theoretical Quantiles
0.03
0.02
0.01
0.00
-0.01
-0.02
-0.03
-3
-2
-1
0
1
2
3

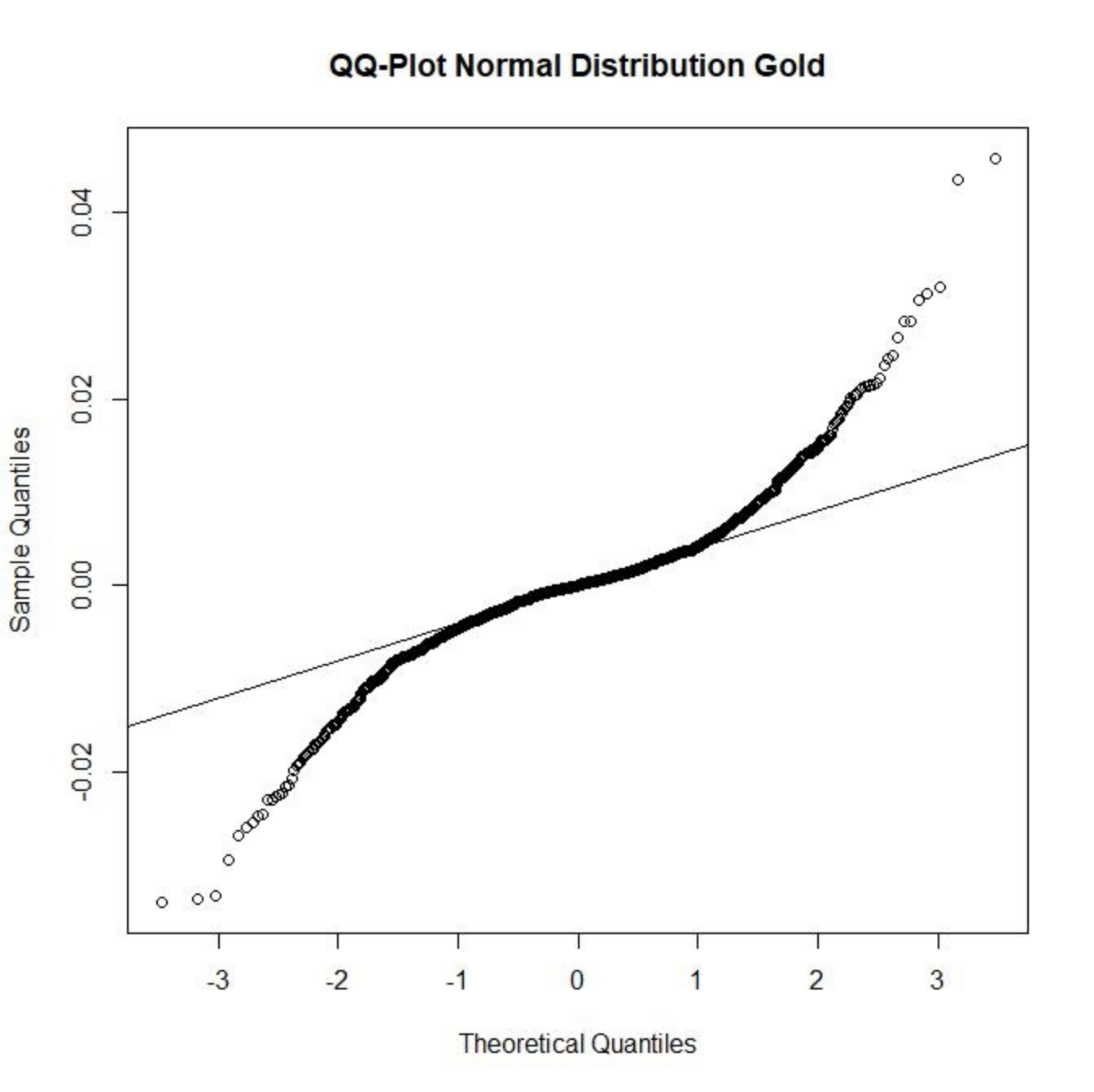

QQ-Plot Normal Distribution Aluminium
Sample Quantiles
0.04
0.02
0.00
-0.02
-3
-2
-1
0
1
2
3
Theoretical Quantiles

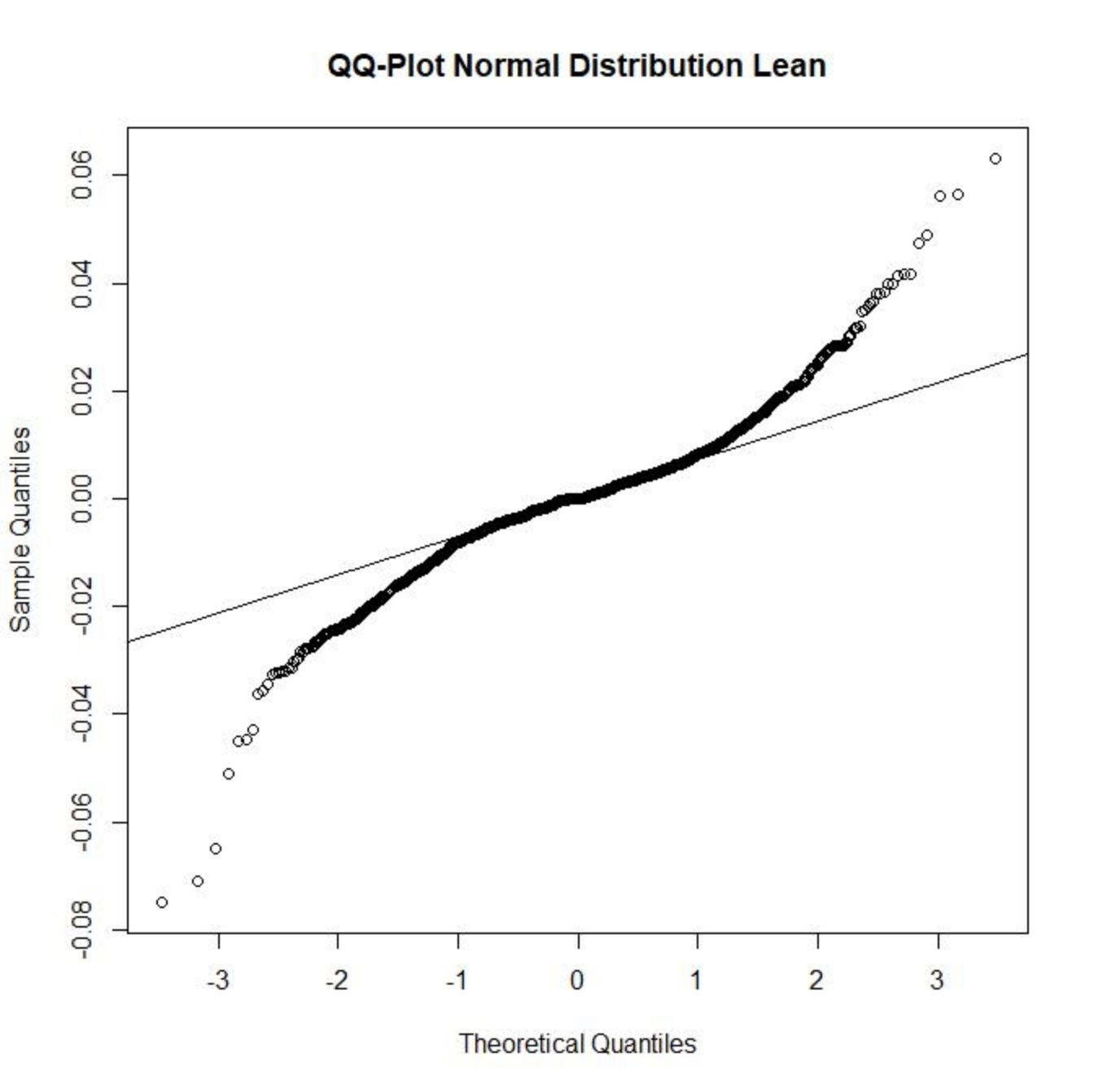

QQ-Plot Normal Distribution Cocoa
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3
Theoretical Quantiles

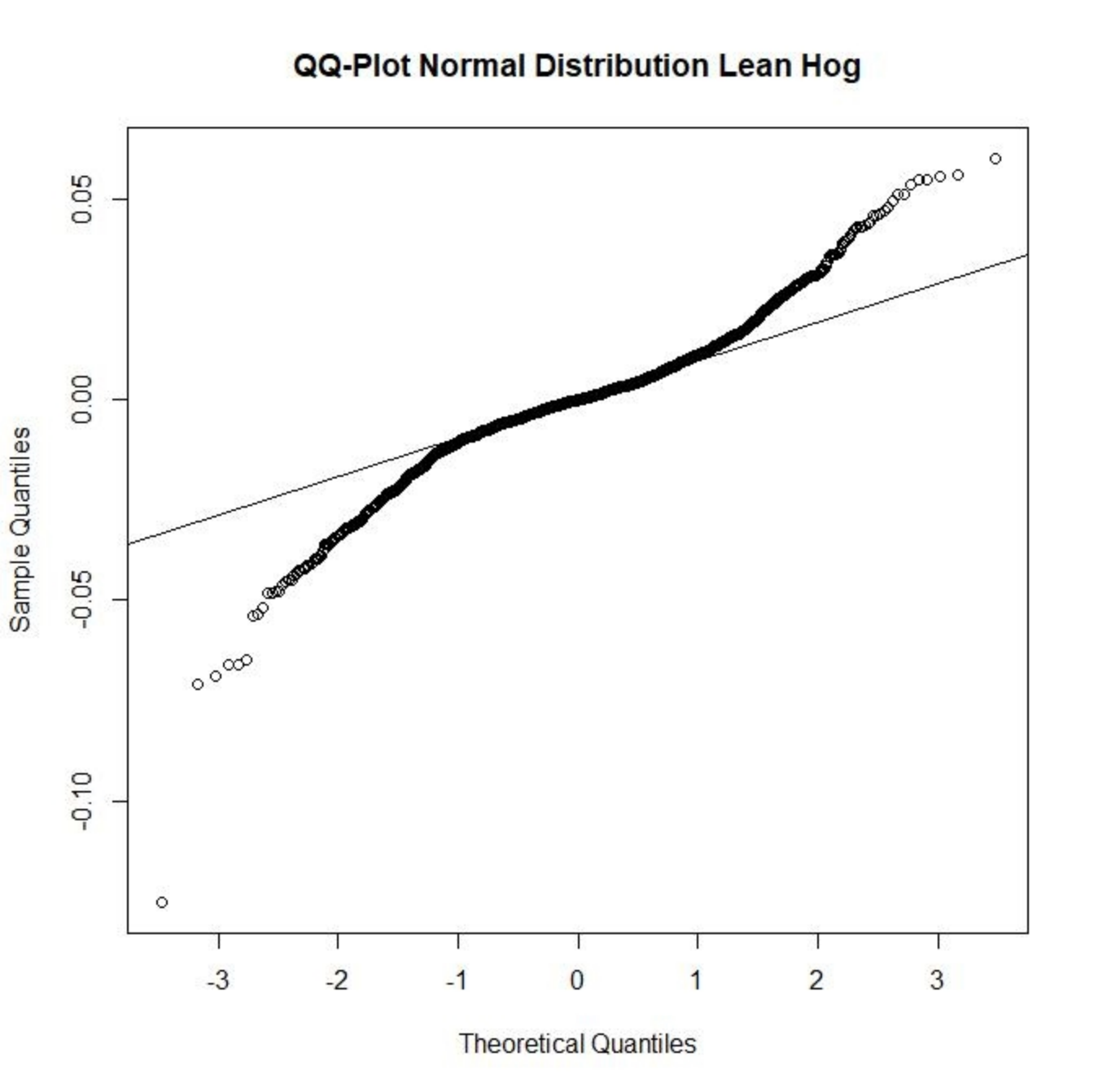

QQ-Plot Normal Distribution Coffee
Sample Quantiles
0.10
0.05
0.00
-0.05
-3
-2
-1
0
1
2
3
Theoretical Quantiles

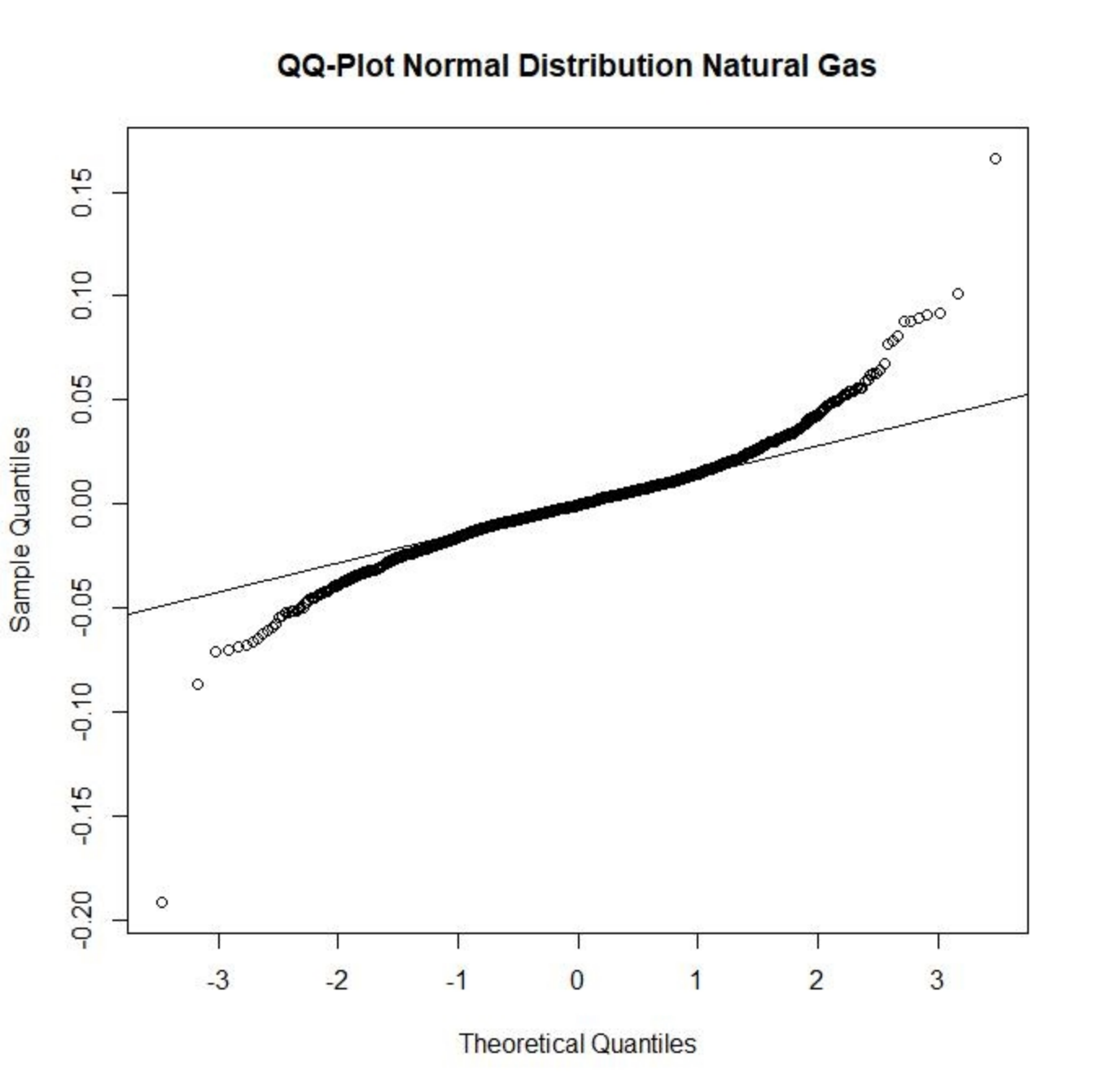

QQ-Plot Normal Distribution Copper
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-3
-2
-1
0
1
2
3
Theoretical Quantiles

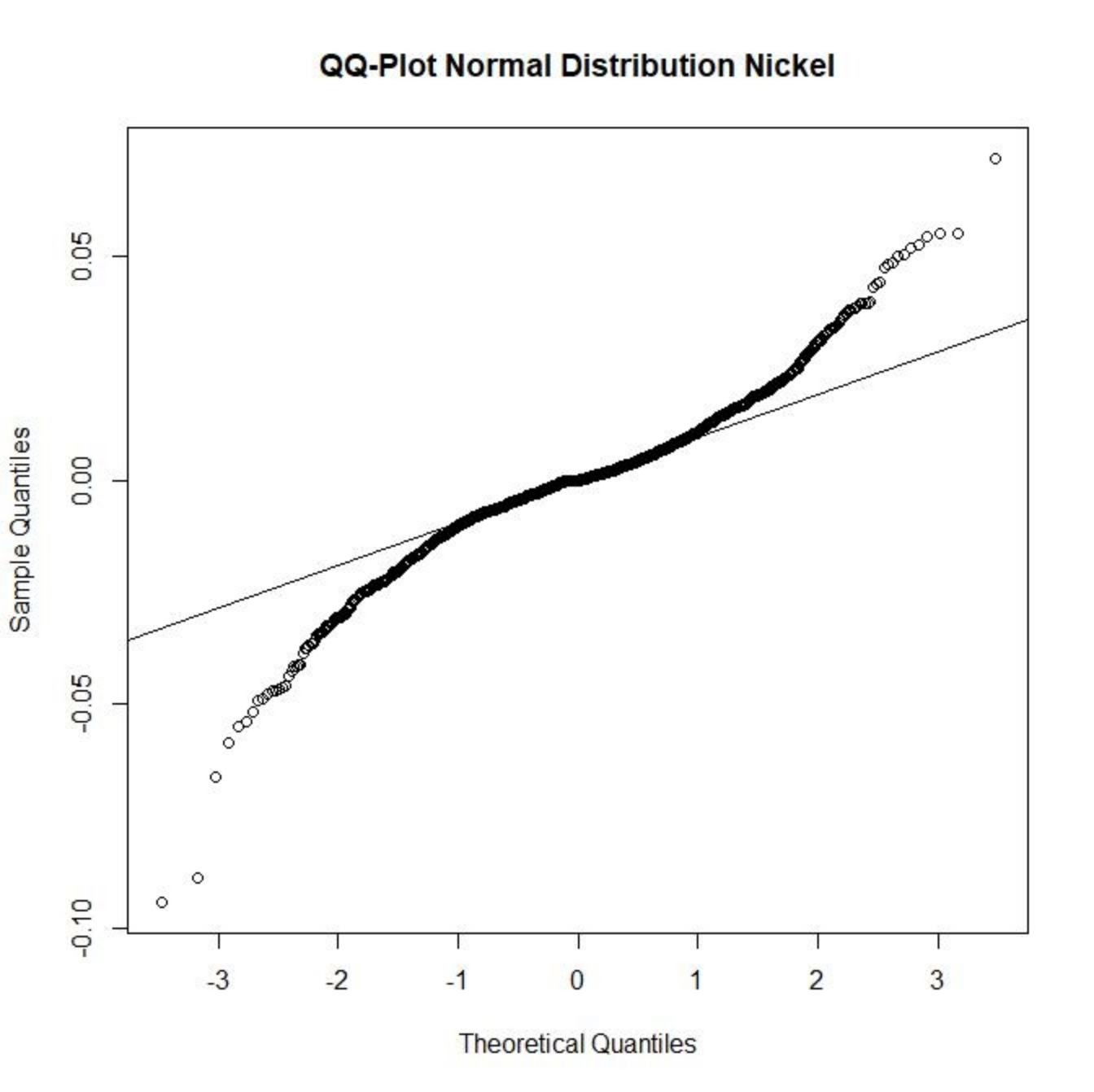

QQ-Plot Normal Distribution Cotton
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-3
-2
-1
0
1
2
3
Theoretical Quantiles

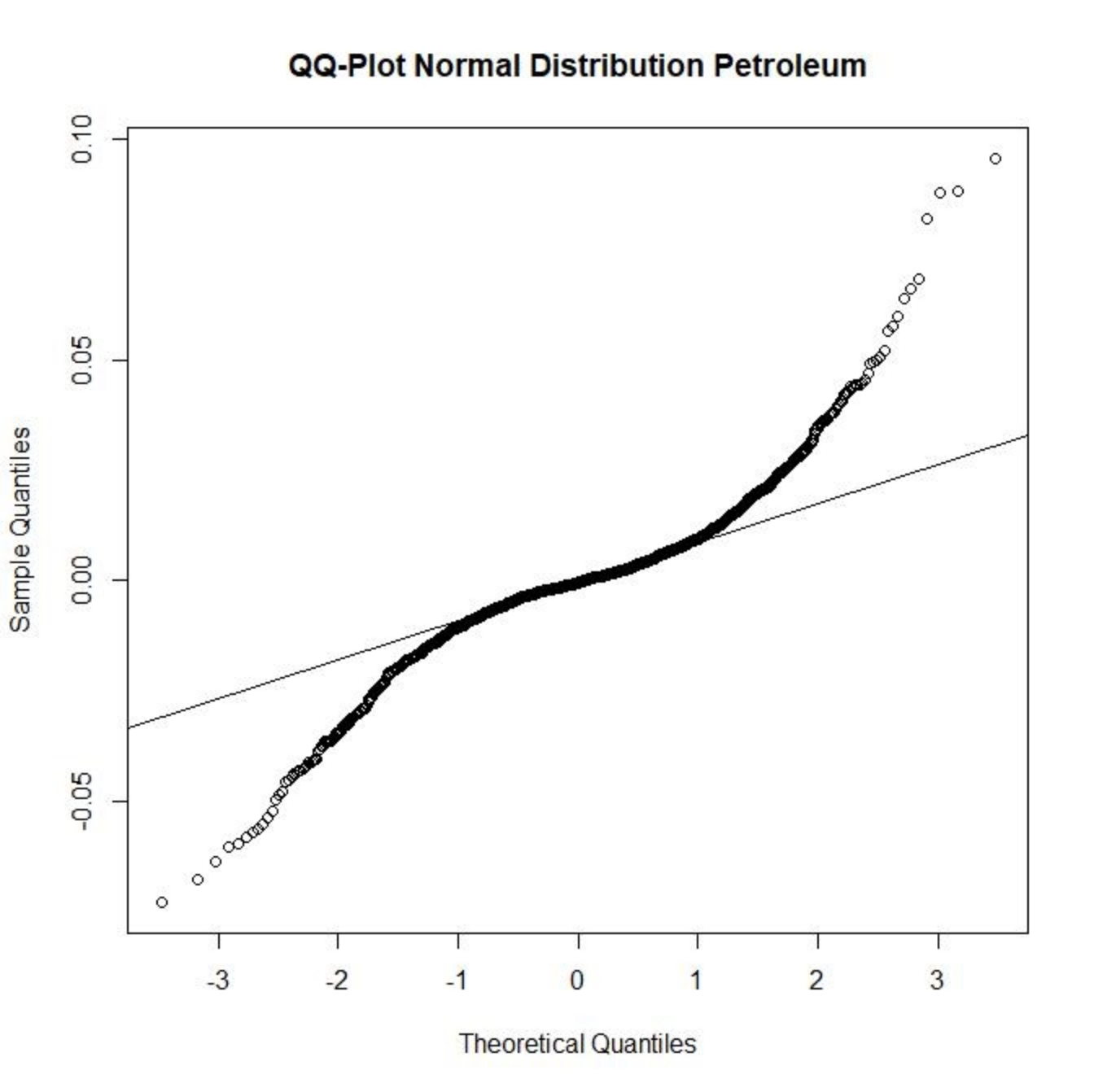

QQ-Plot Normal Distribution Gold
Sample Quantiles
0.04
0.02
0.00
-0.02
-3
-2
-1
0
1
2
3
Theoretical Quantiles

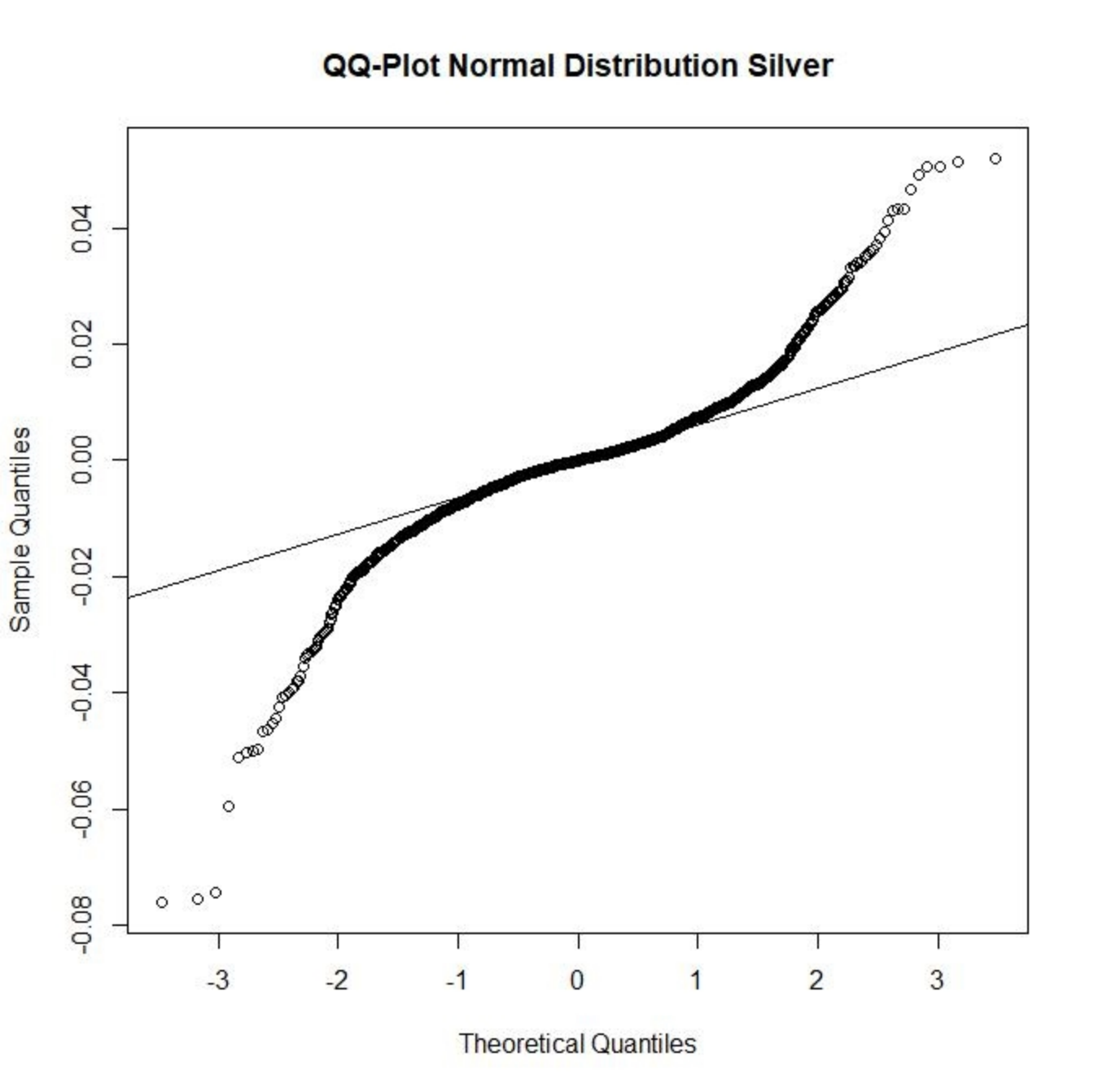

QQ-Plot Normal Distribution Lean
Sample Quantiles
Theoretical Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-3
-2
-1
0
1
2
3

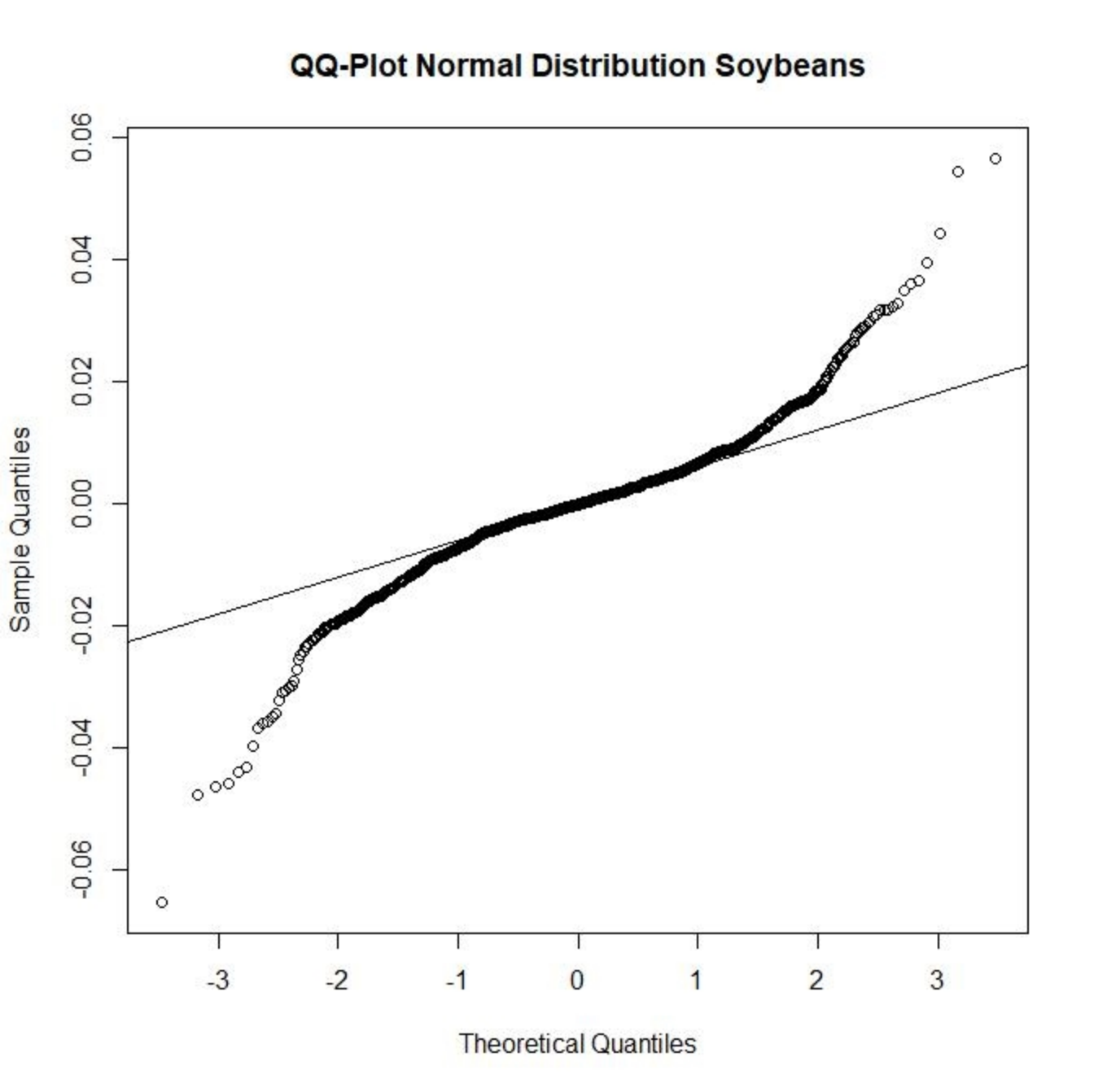

QQ-Plot Normal Distribution Lean Hog
Sample Quantiles
0.05
0.00
-0.05
-0.10
-3
-2
-1
0
1
2
3
Theoretical Quantiles

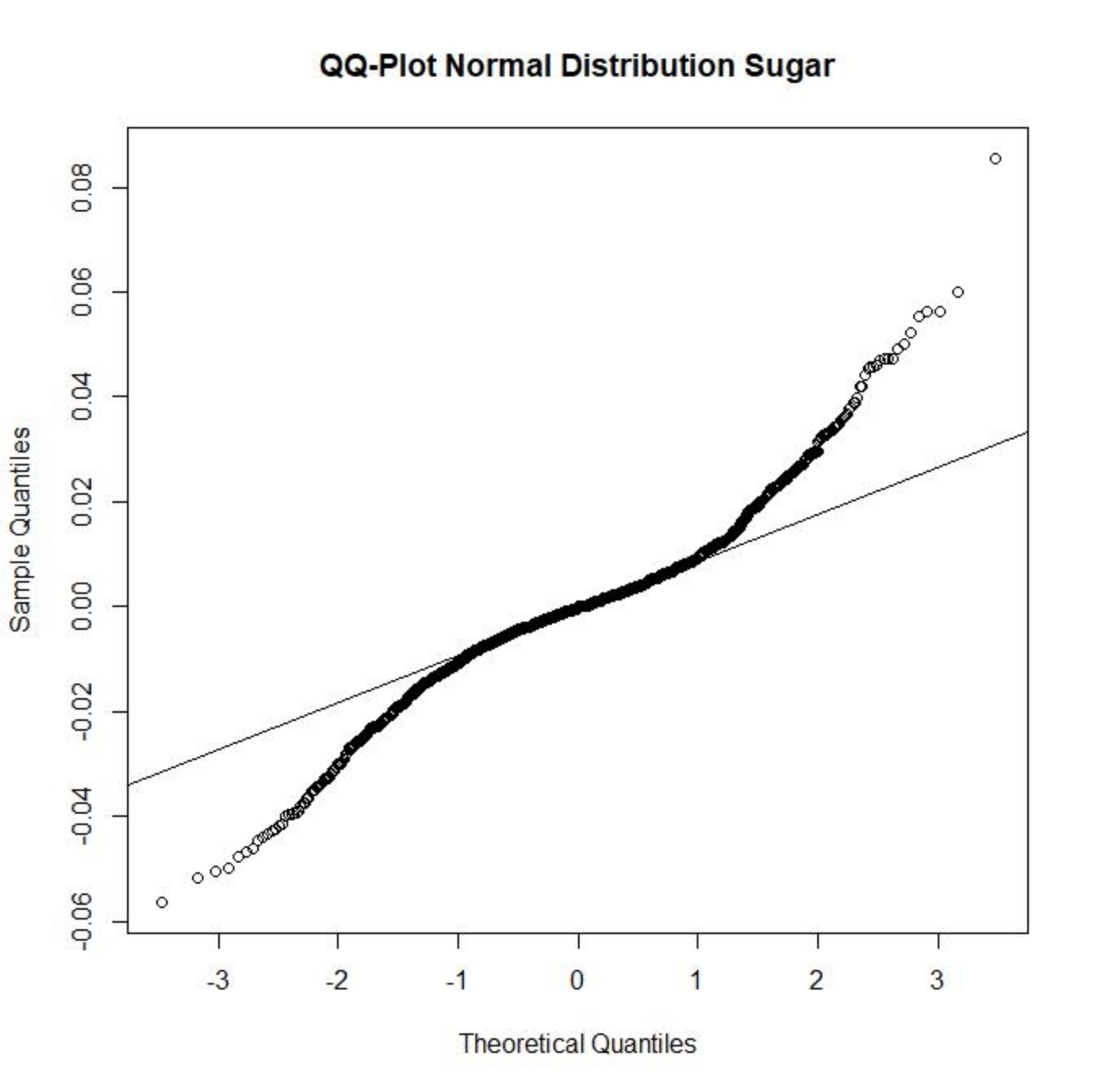

QQ-Plot Normal Distribution Natural Gas
Sample Quantiles
Theoretical Quantiles
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.20
-3
-2
-1
0
1
2
3

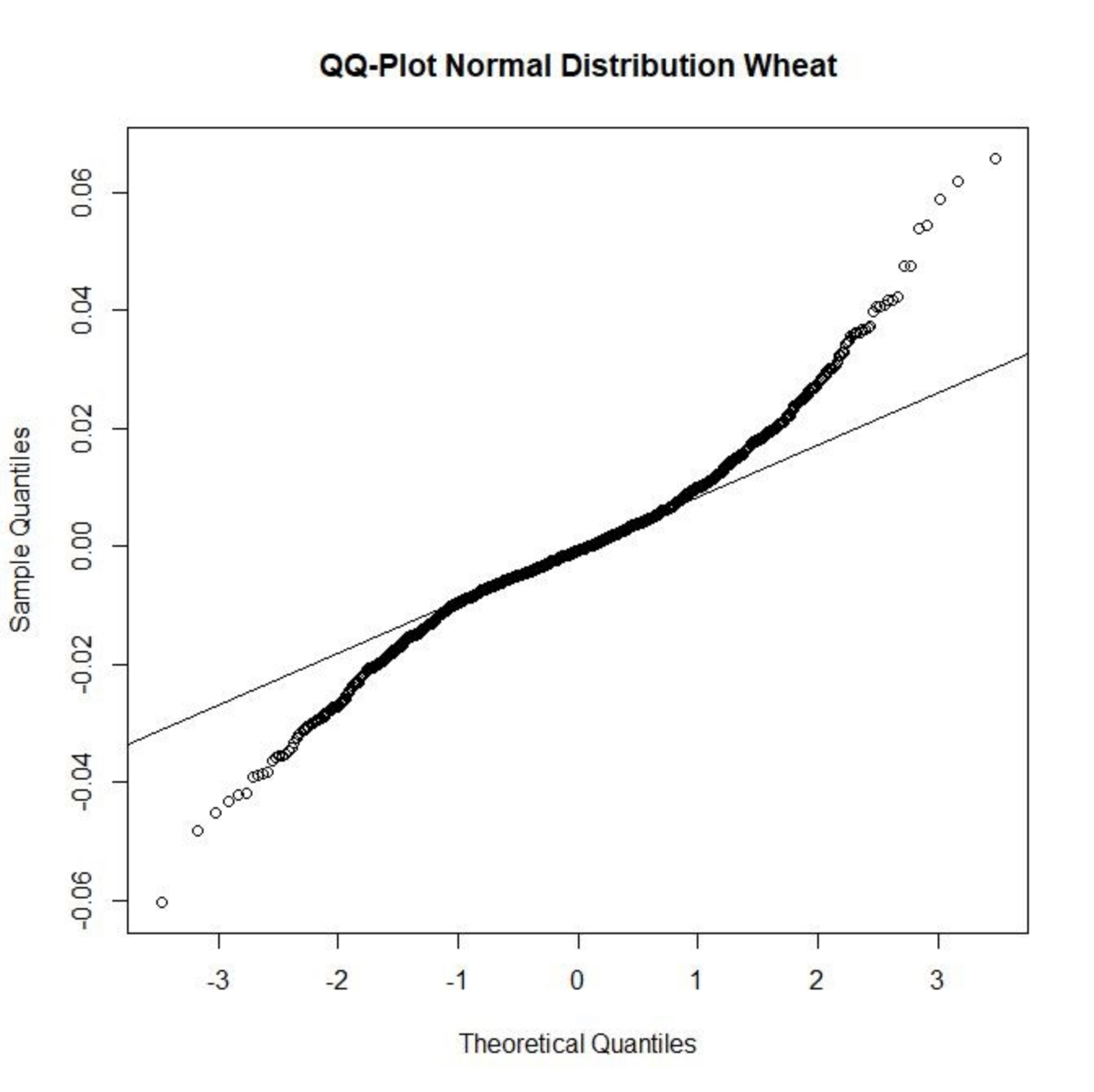

QQ-Plot Normal Distribution Nickel
Sample Quantiles
Theoretical Quantiles
0.05
0.00
-0.05
-0.10
-3
-2
-1
0
1
2
3

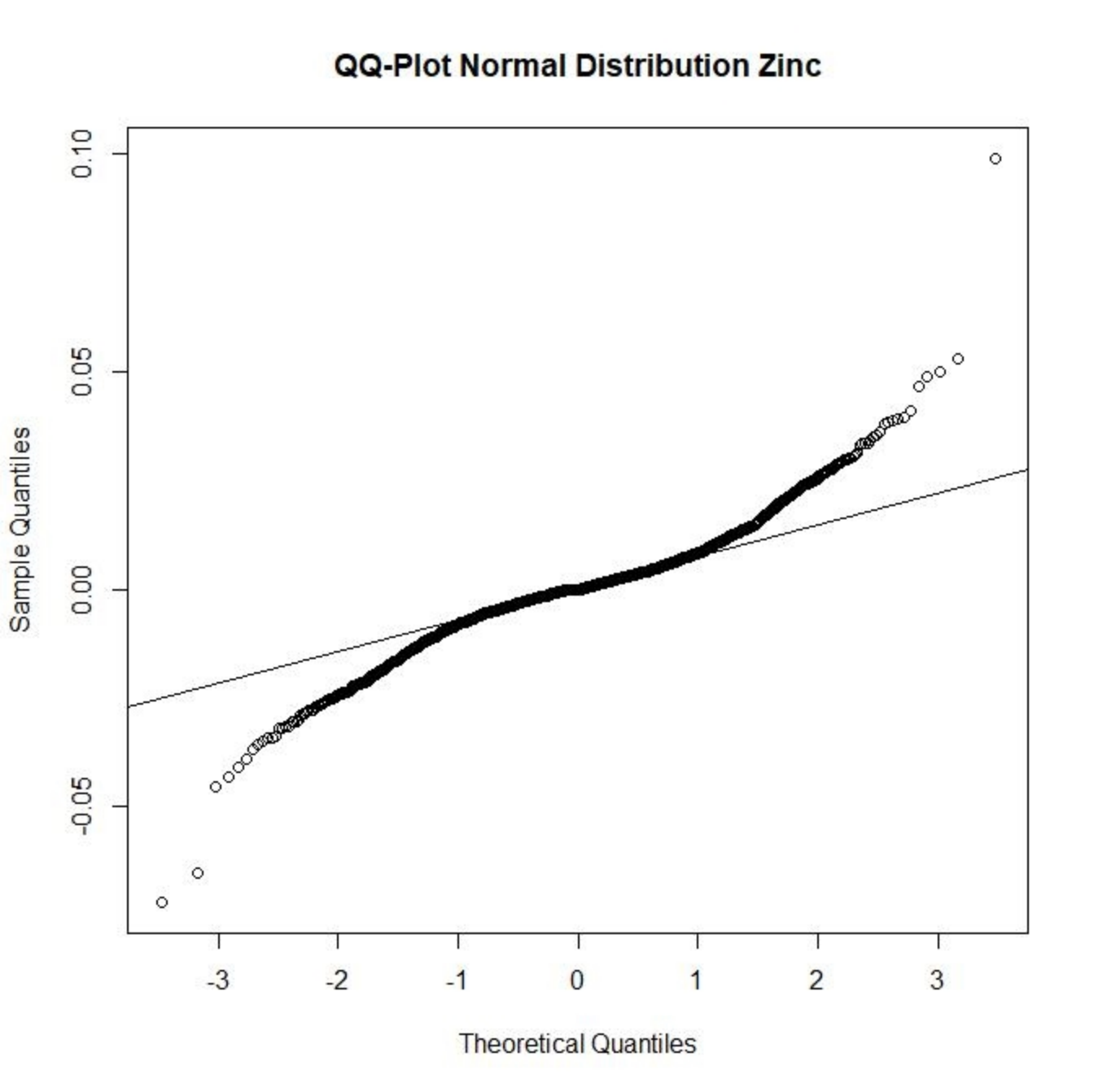

QQ-Plot Normal Distribution Petroleum
Sample Quantiles
Theoretical Quantiles
0.10
0.05
0.00
-0.05
-3
-2
-1
0
1
2
3

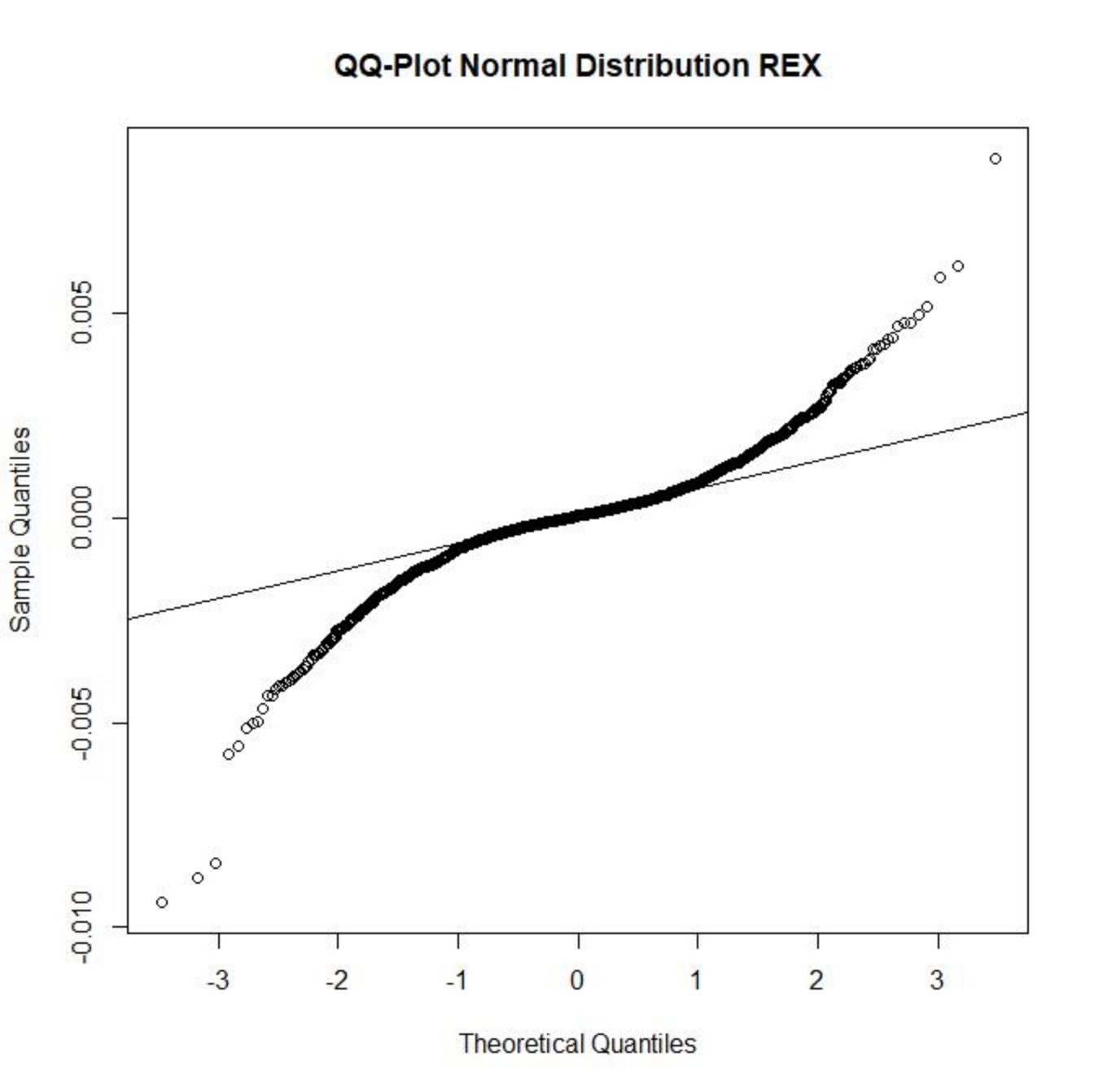

QQ-Plot Normal Distribution Silver
Sample Quantiles
Theoretical Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-3
-2
-1
0
1
2
3

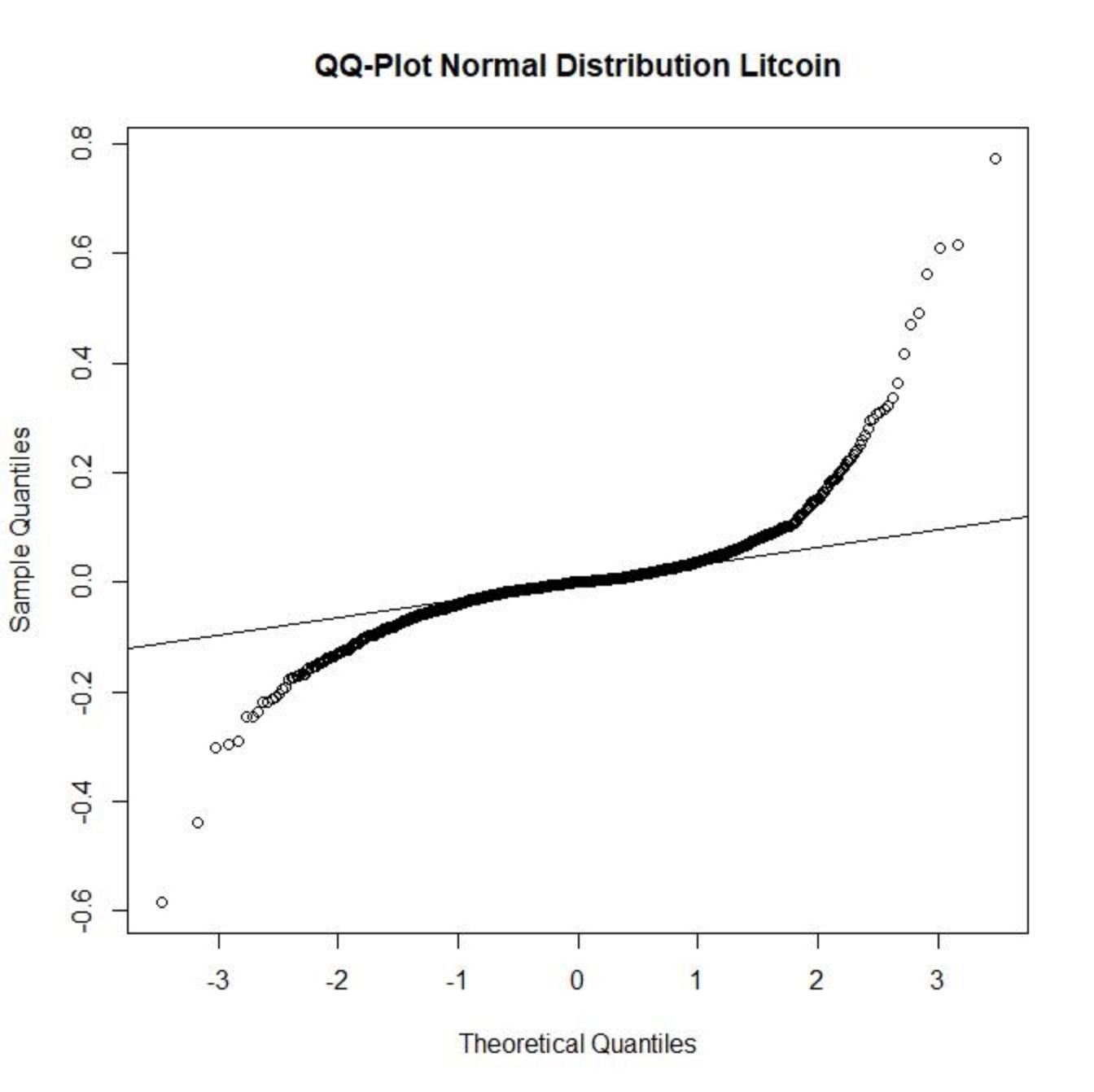

QQ-Plot Normal Distribution Soybeans
Sample Quantiles
Theoretical Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3

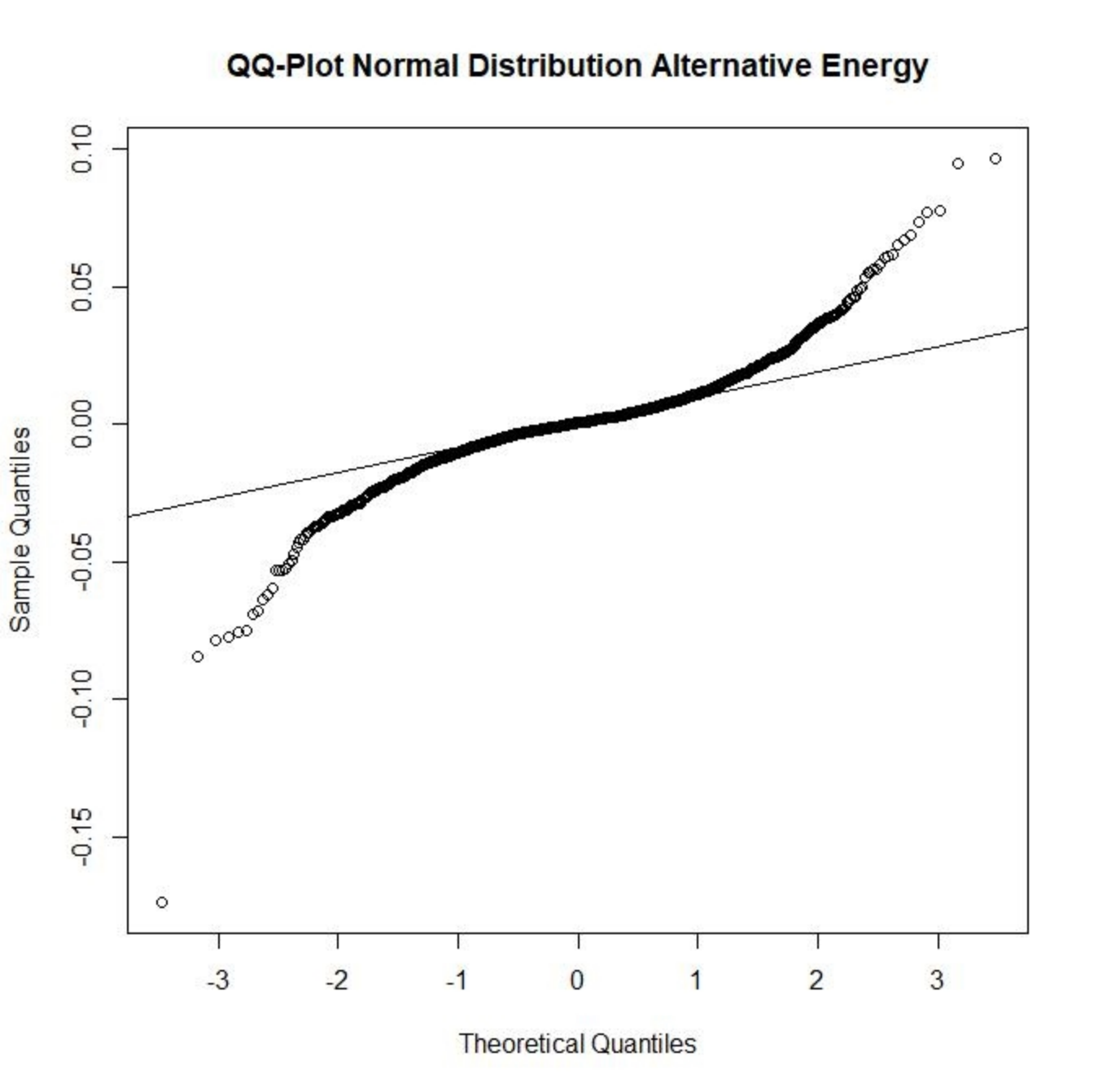

QQ-Plot Normal Distribution Sugar
Sample Quantiles
Theoretical Quantiles
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3

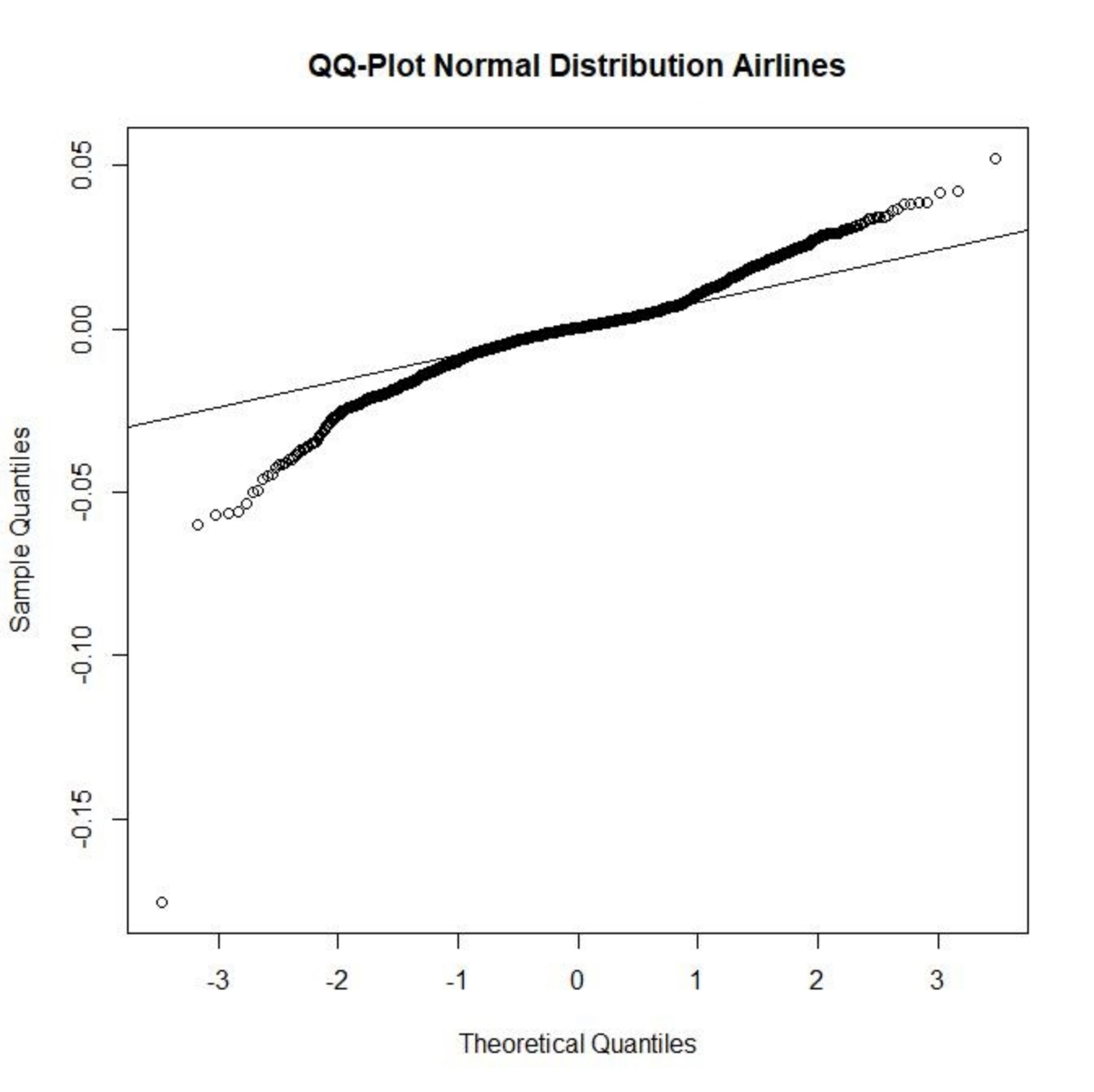

QQ-Plot Normal Distribution Wheat
Sample Quantiles
Theoretical Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3

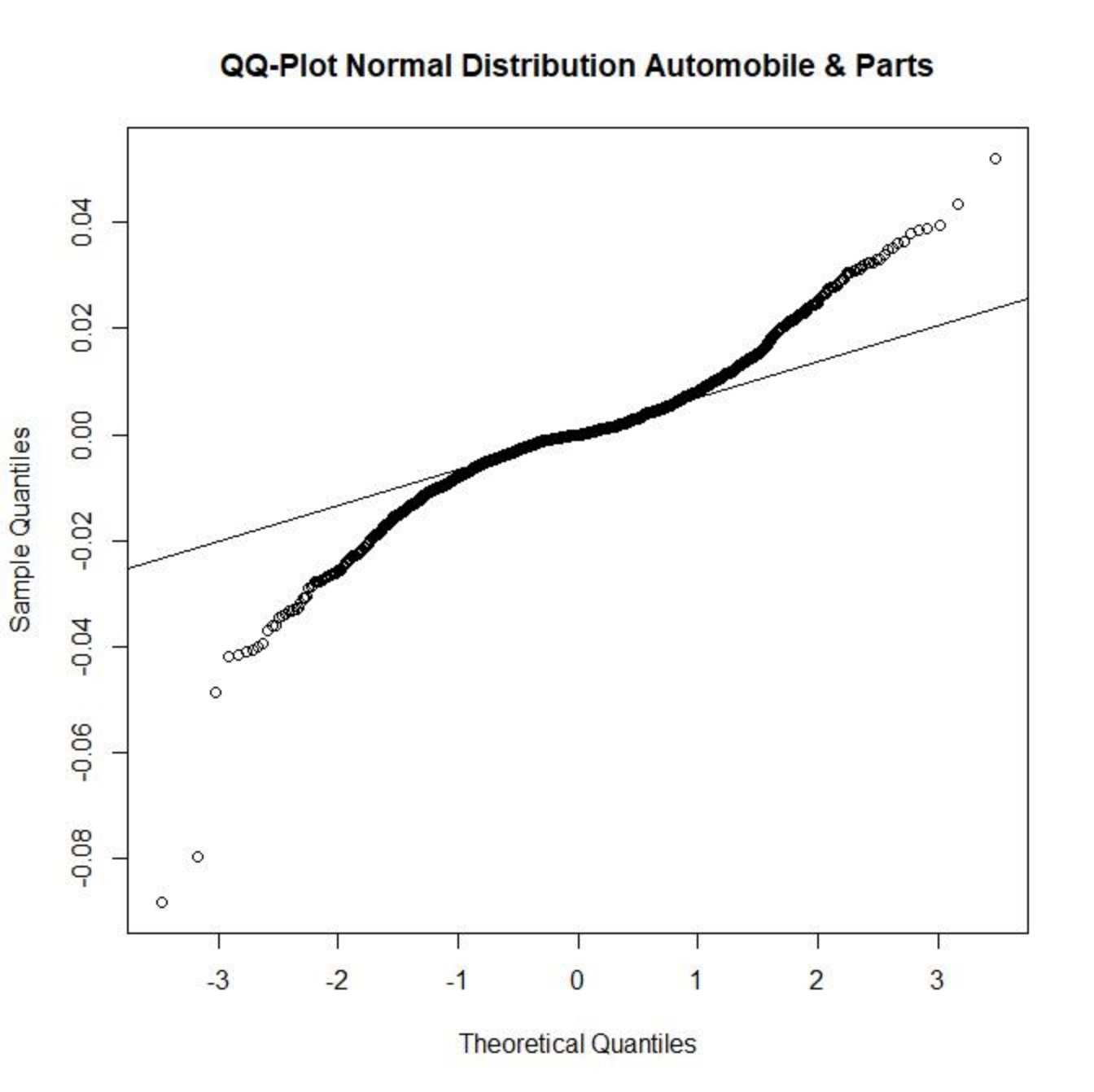

QQ-Plot Normal Distribution Zinc
Sample Quantiles
0.10
0.05
0.00
-0.05
-3
-2
-1
0
1
2
3
Theoretical Quantiles

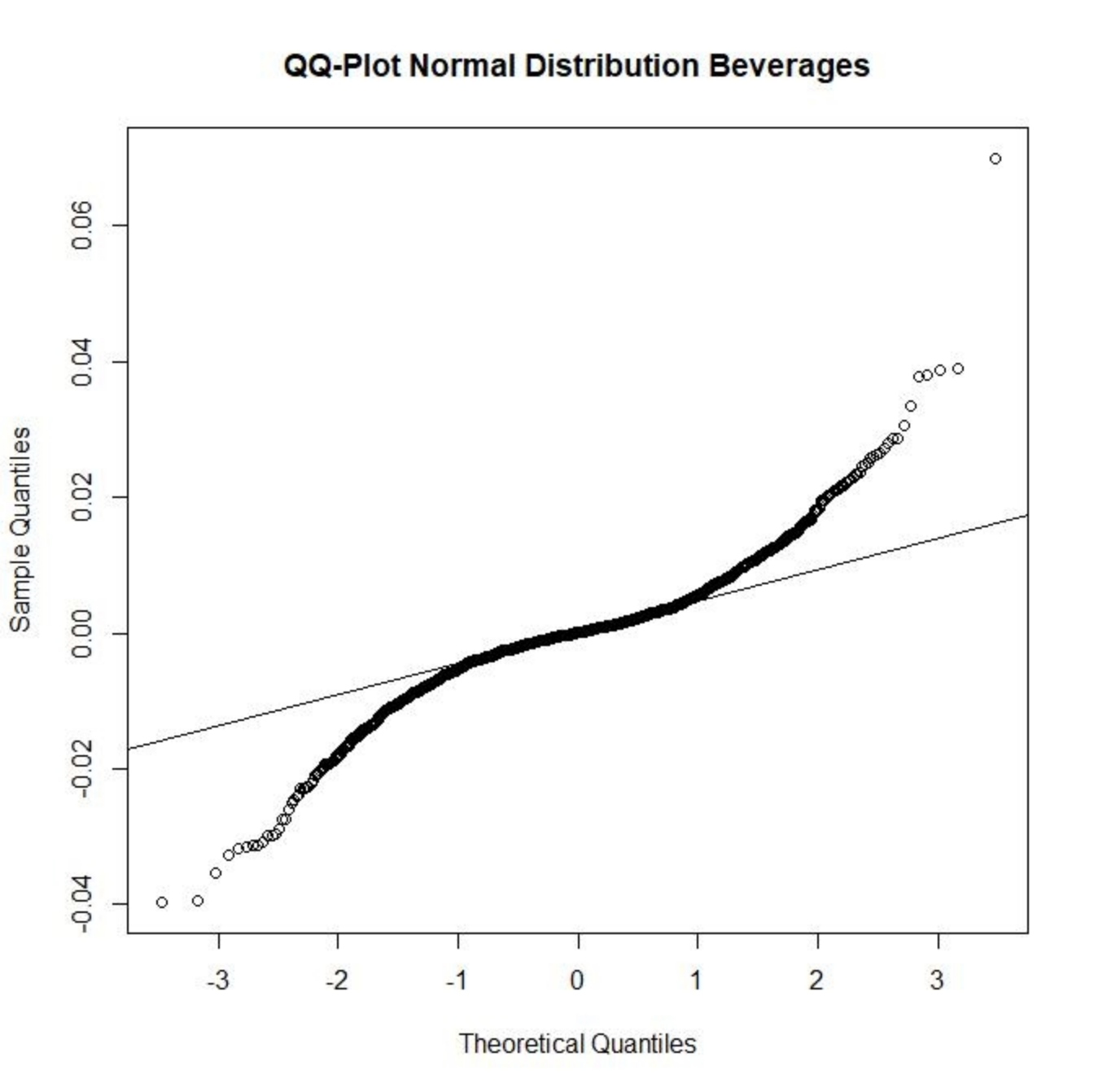

QQ-Plot Normal Distribution REX
Sample Quantiles
Theoretical Quantiles
0.005
0.000
-0.005
-0.010
-3
-2
-1
0
1
2
3

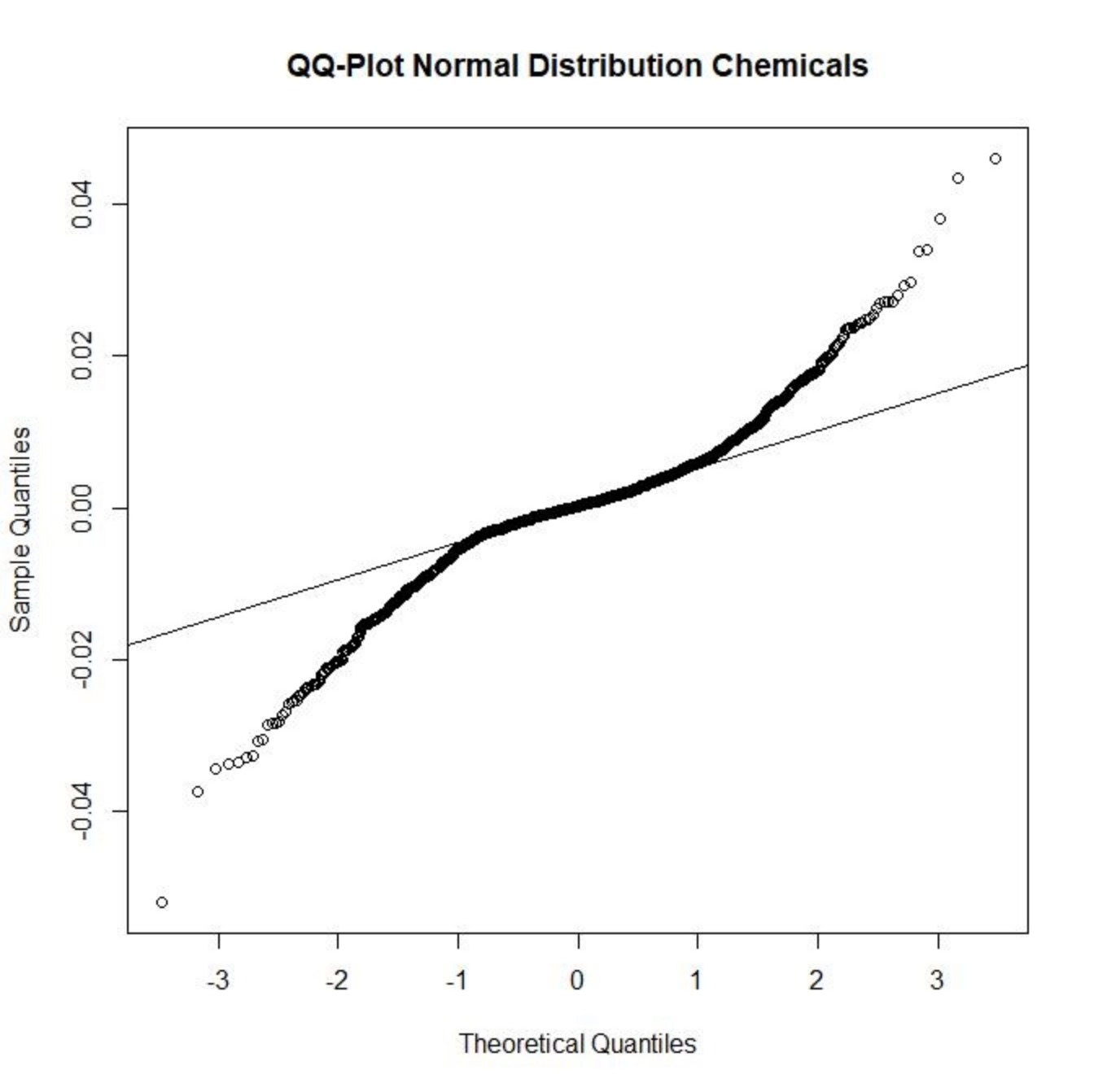

QQ-Plot Normal Distribution Litcoin
Sample Quantiles
Theoretical Quantiles
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-3
-2
-1
0
1
2
3

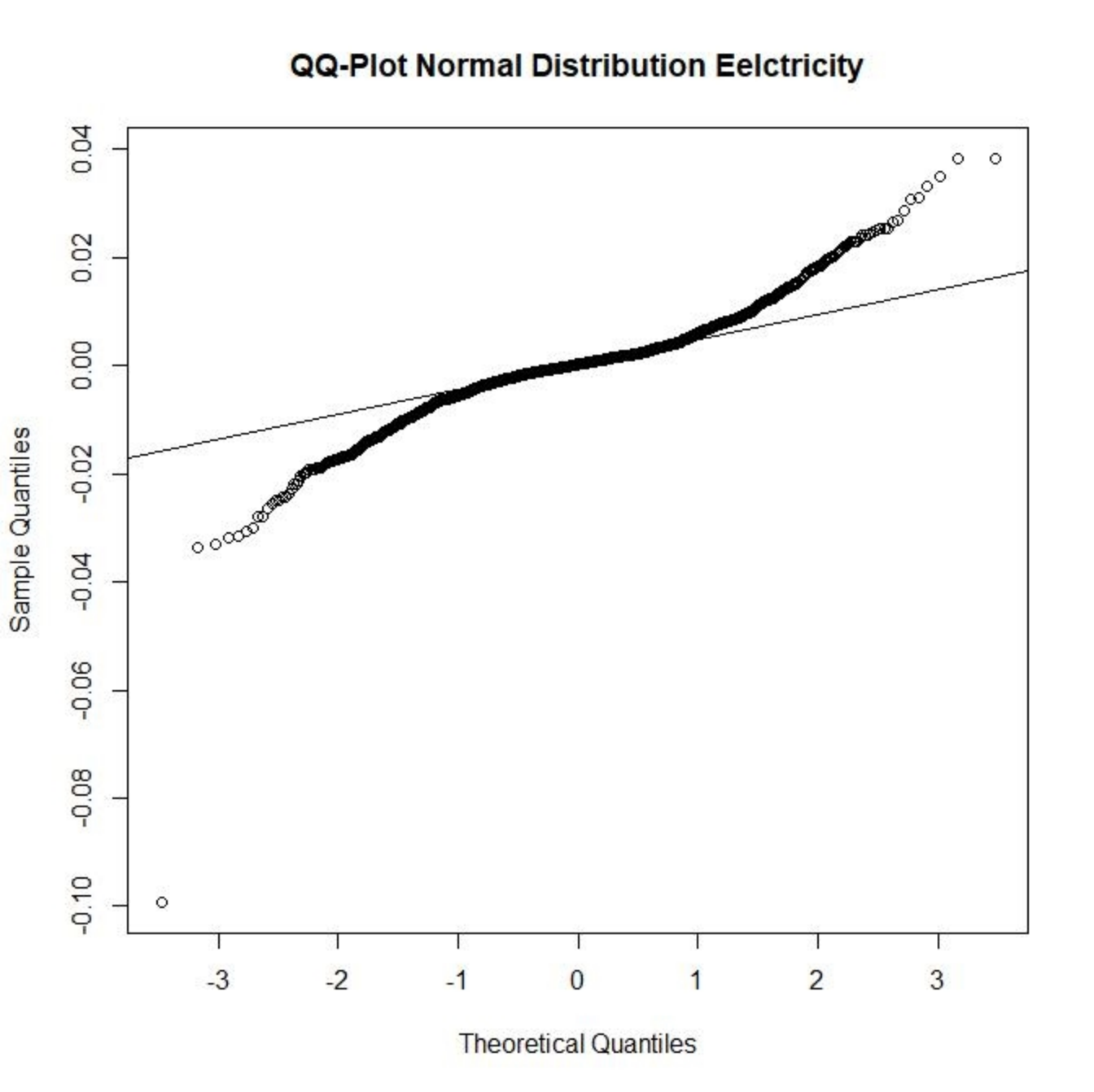

QQ-Plot Normal Distribution Alternative Energy
Sample Quantiles
0.10
0.05
0.00
-0.05
-0.10
-0.15
-3
-2
-1
0
1
2
3
Theoretical Quantiles

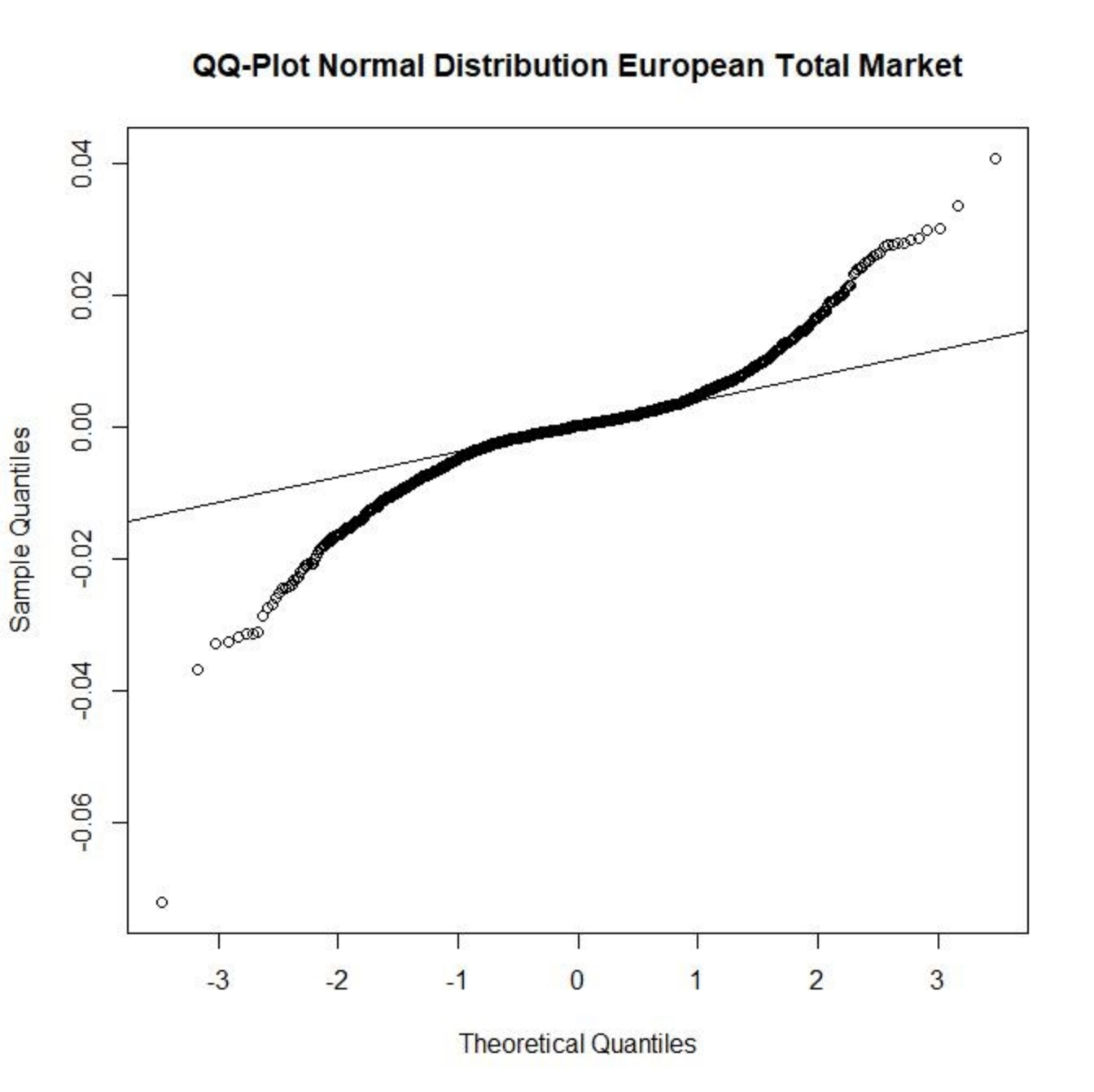

QQ-Plot Normal Distribution Airlines
Sample Quantiles
0.05
0.00
-0.05
-0.10
-0.15
-3
-2
-1
0
1
2
3
Theoretical Quantiles

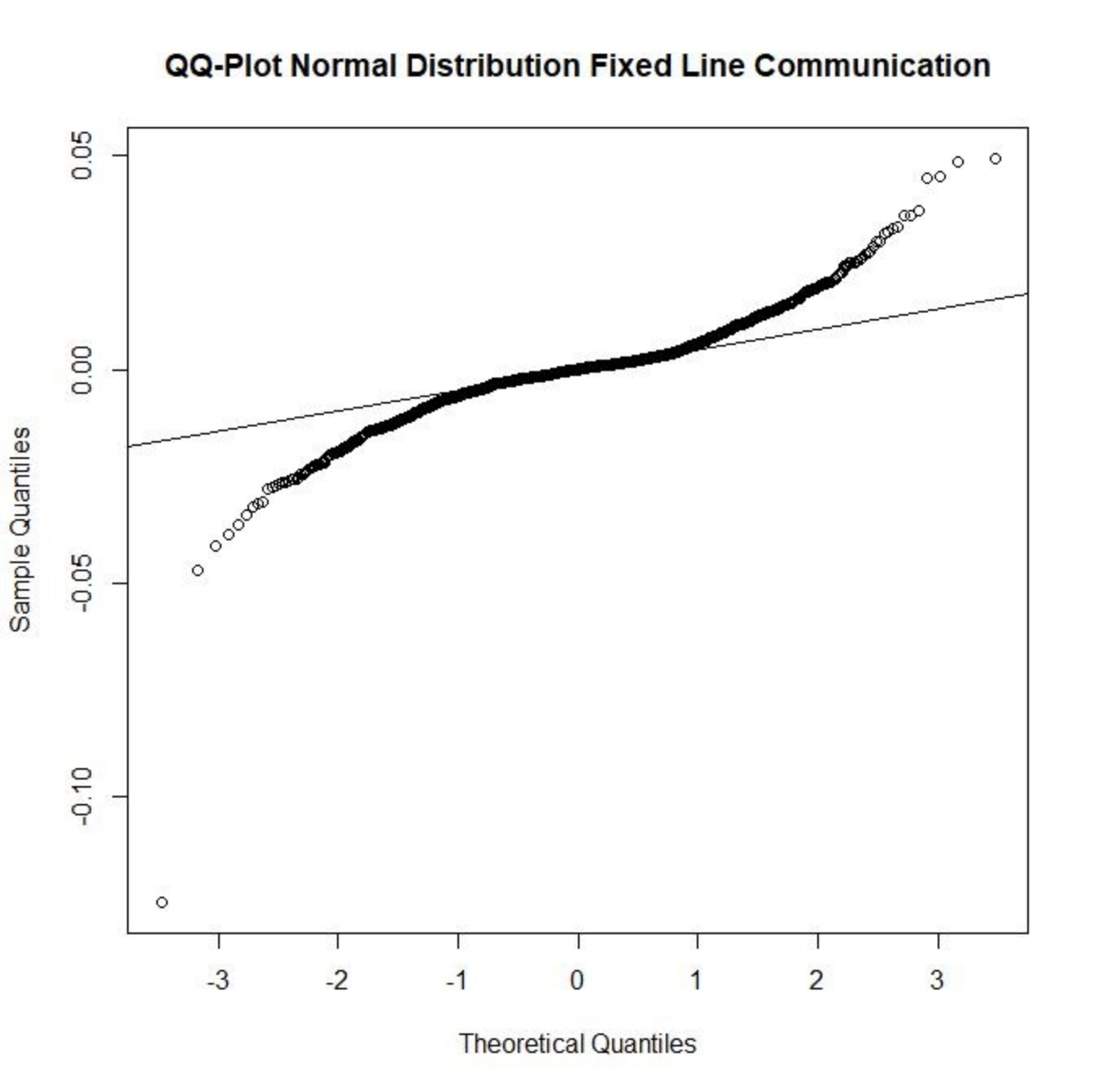

QQ-Plot Normal Distribution Automobile & Parts
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-3
-2
-1
0
1
2
3
Theoretical Quantiles

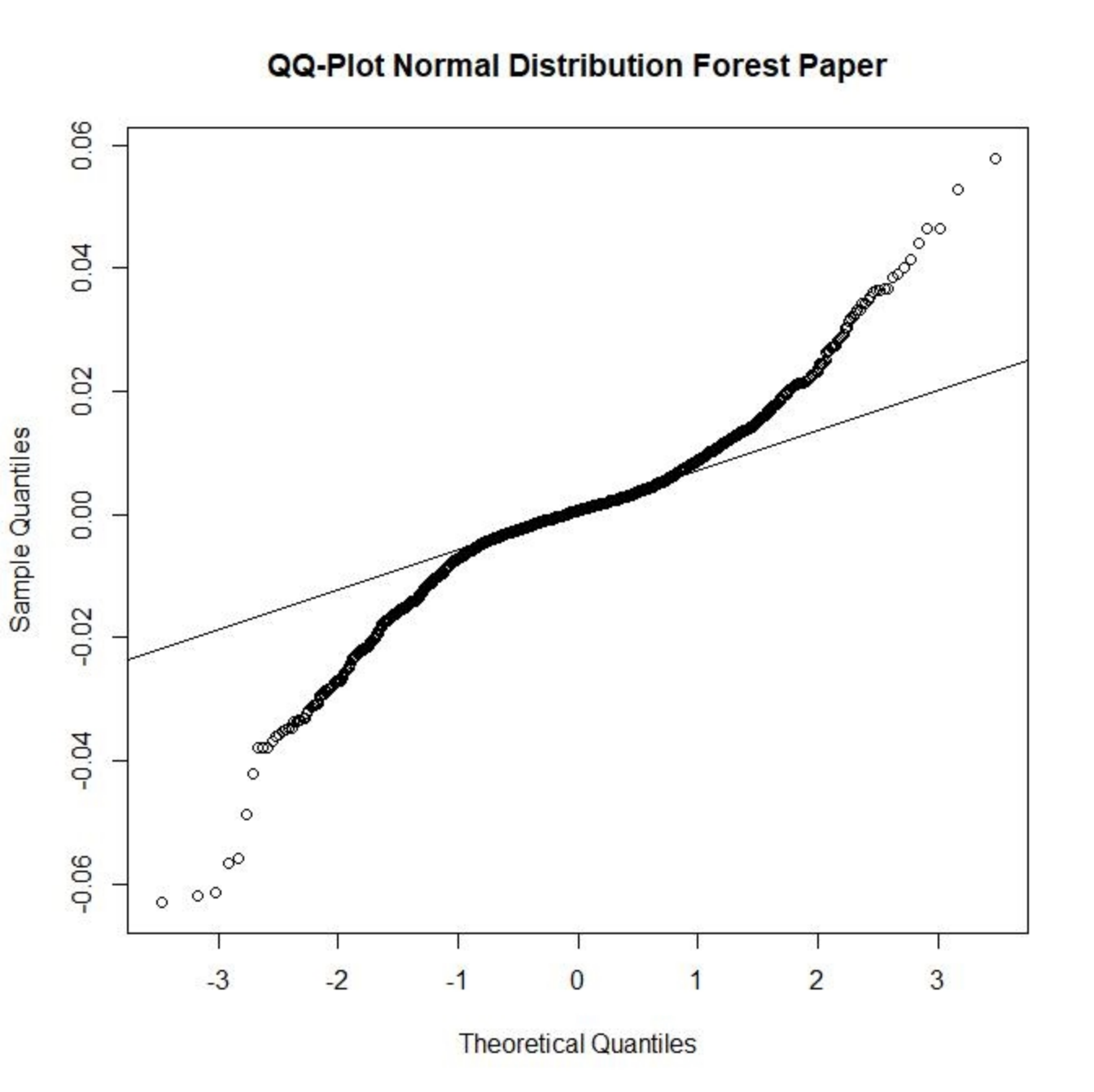

QQ-Plot Normal Distribution Beverages
Sample Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-3
-2
-1
0
1
2
3
Theoretical Quantiles

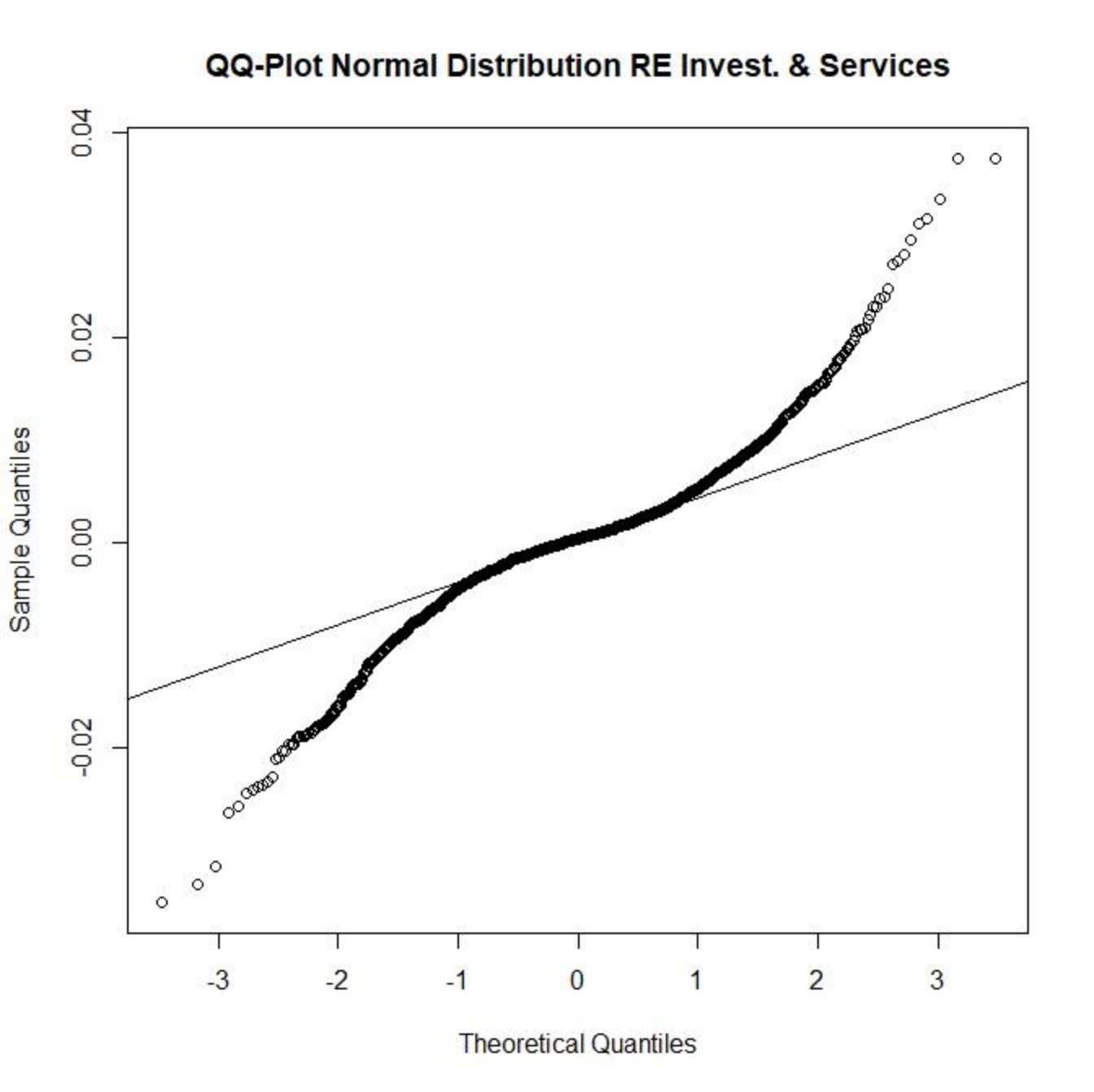

QQ-Plot Normal Distribution Chemicals
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-3
-2
-1
0
1
2
3
Theoretical Quantiles

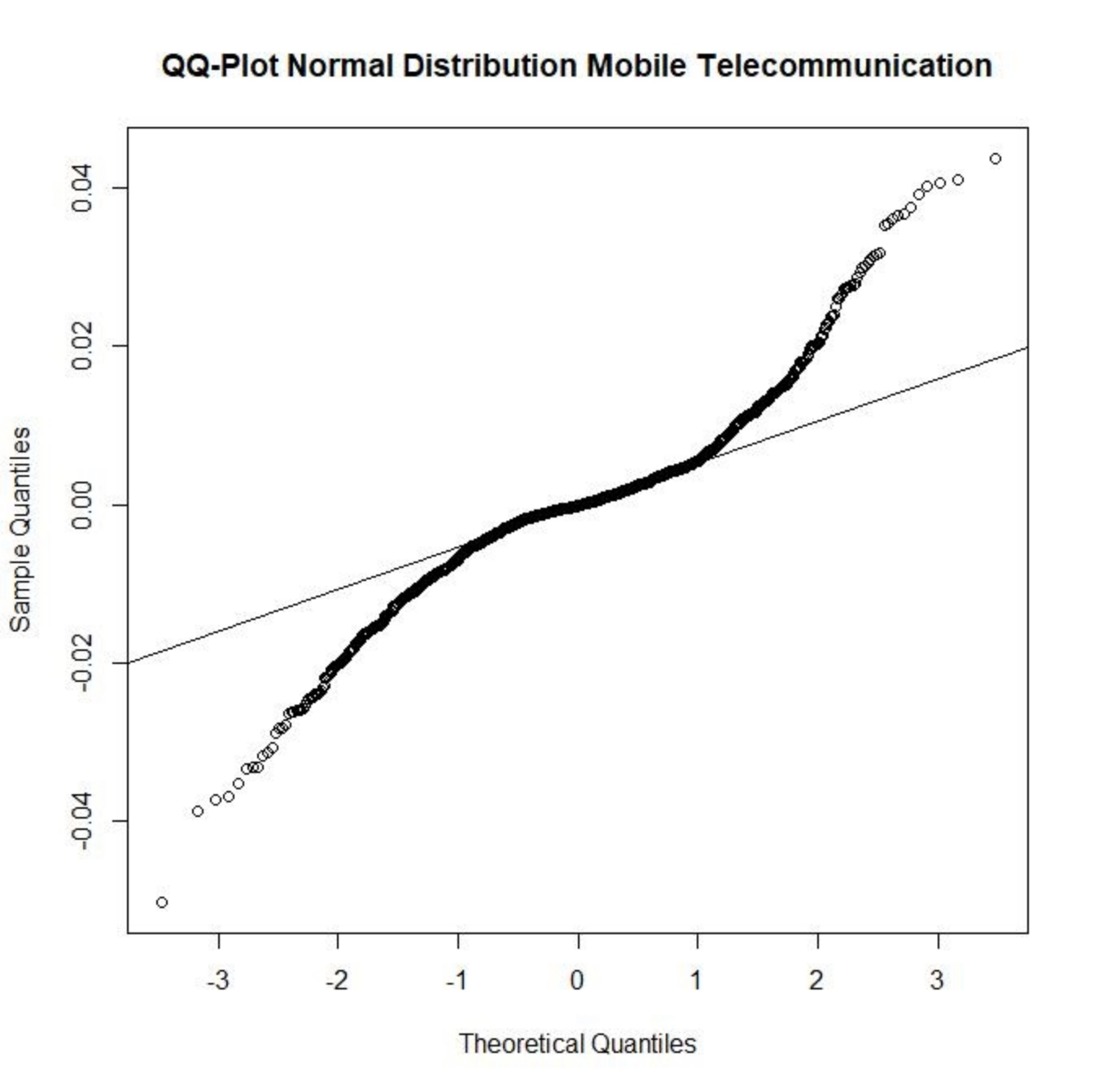

QQ-Plot Normal Distribution Eelctricity
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
-3
-2
-1
0
1
2
3
Theoretical Quantiles

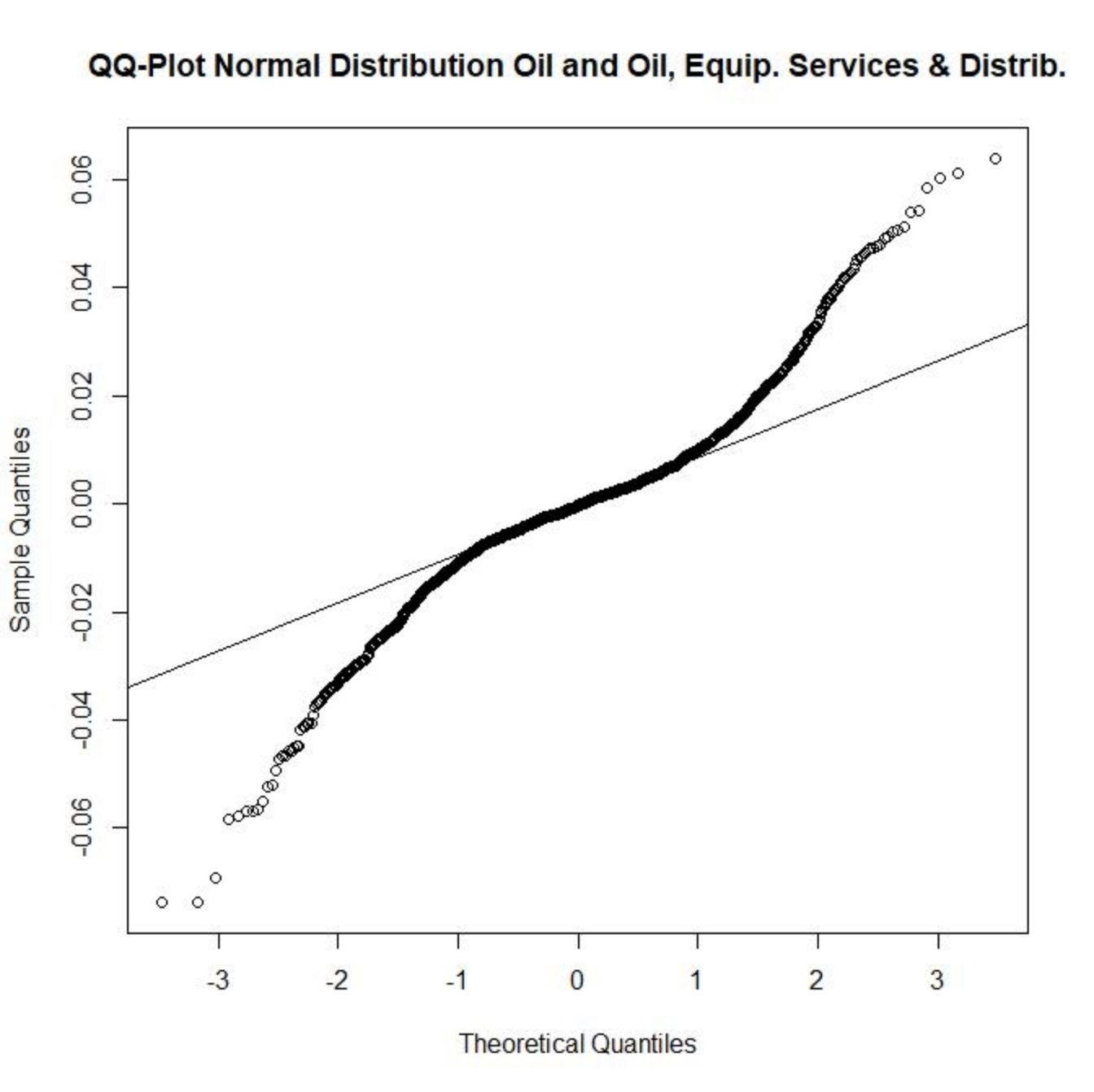

QQ-Plot Normal Distribution European Total Market
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3
Theoretical Quantiles

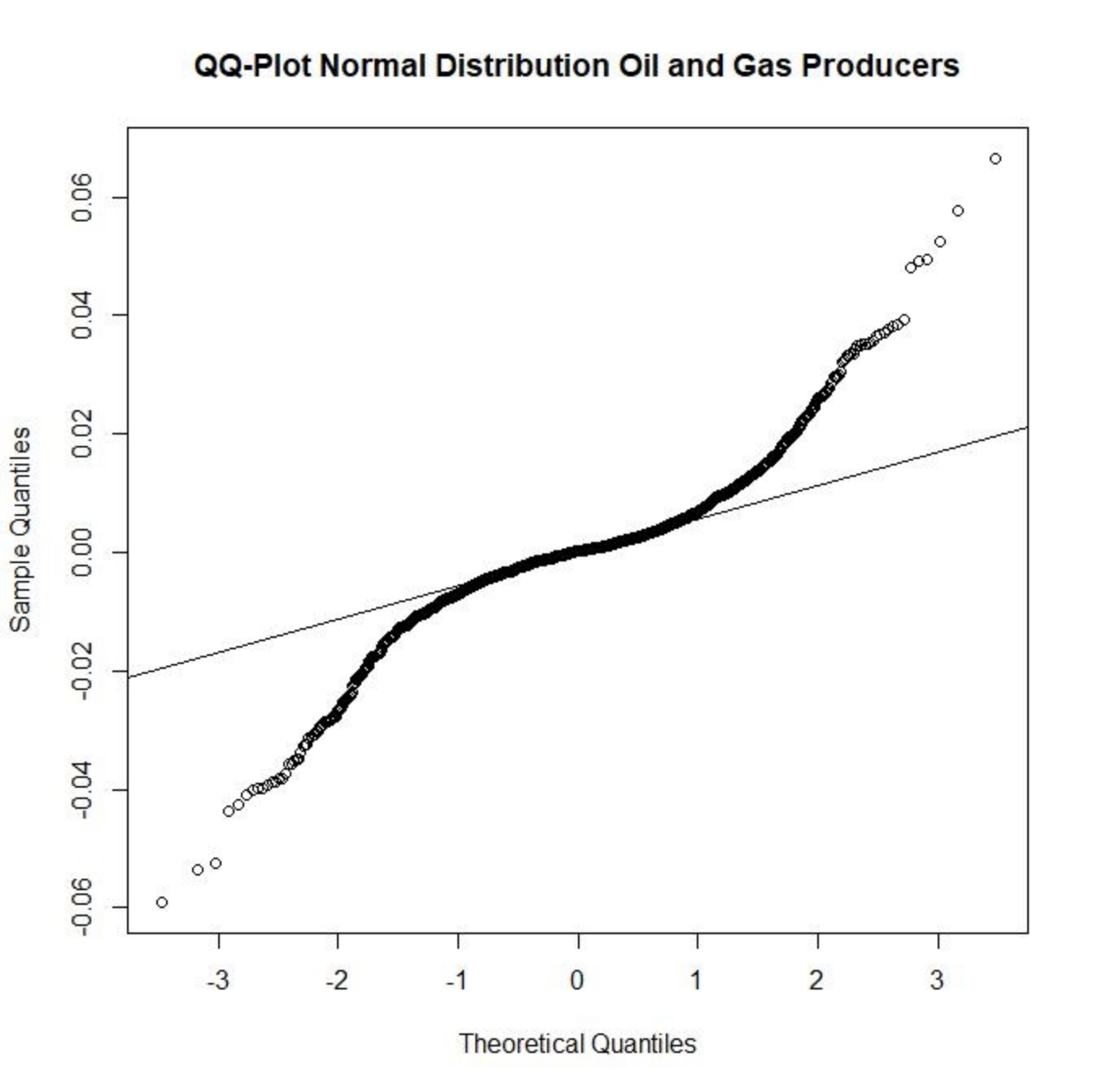

QQ-Plot Normal Distribution Fixed Line Communication
Sample Quantiles
0.05
0.00
-0.05
-0.10
-3
-2
-1
0
1
2
3
Theoretical Quantiles

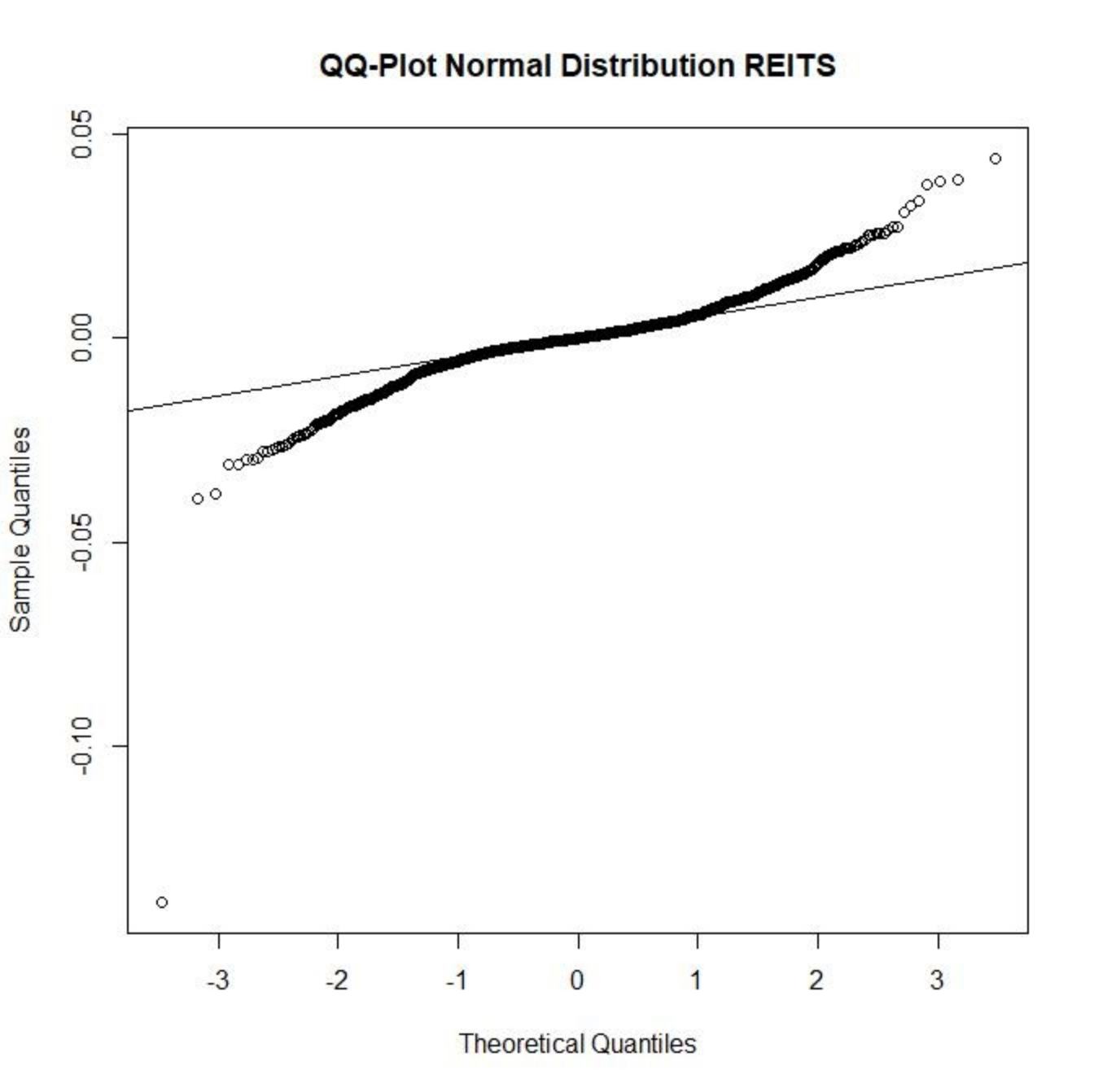

QQ-Plot Normal Distribution Forest Paper
Sample Quantiles
Theoretical Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3

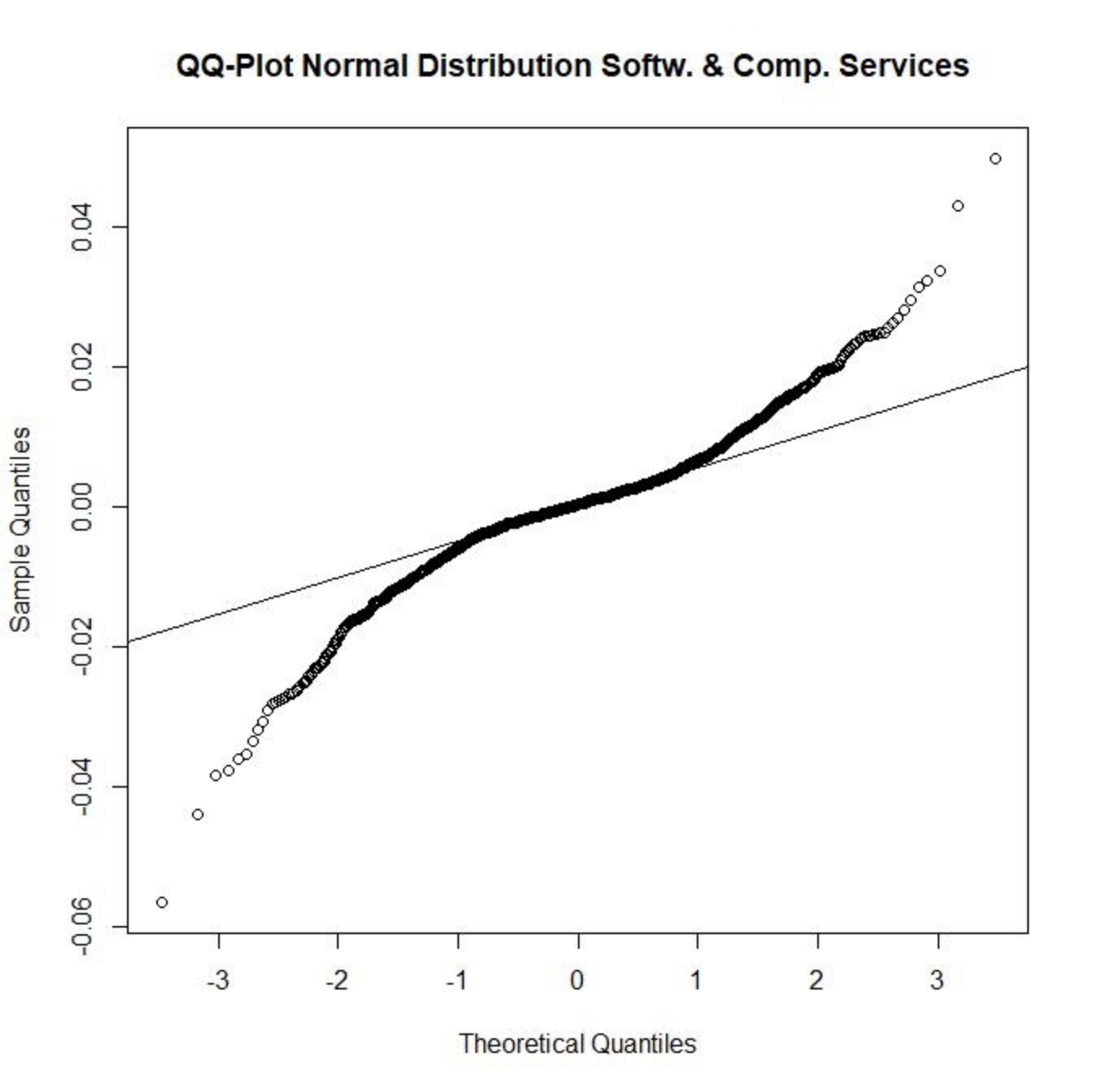

QQ-Plot Normal Distribution RE Invest. & Services
Sample Quantiles
0.04
0.02
0.00
-0.02
-3
-2
-1
0
1
2
3
Theoretical Quantiles

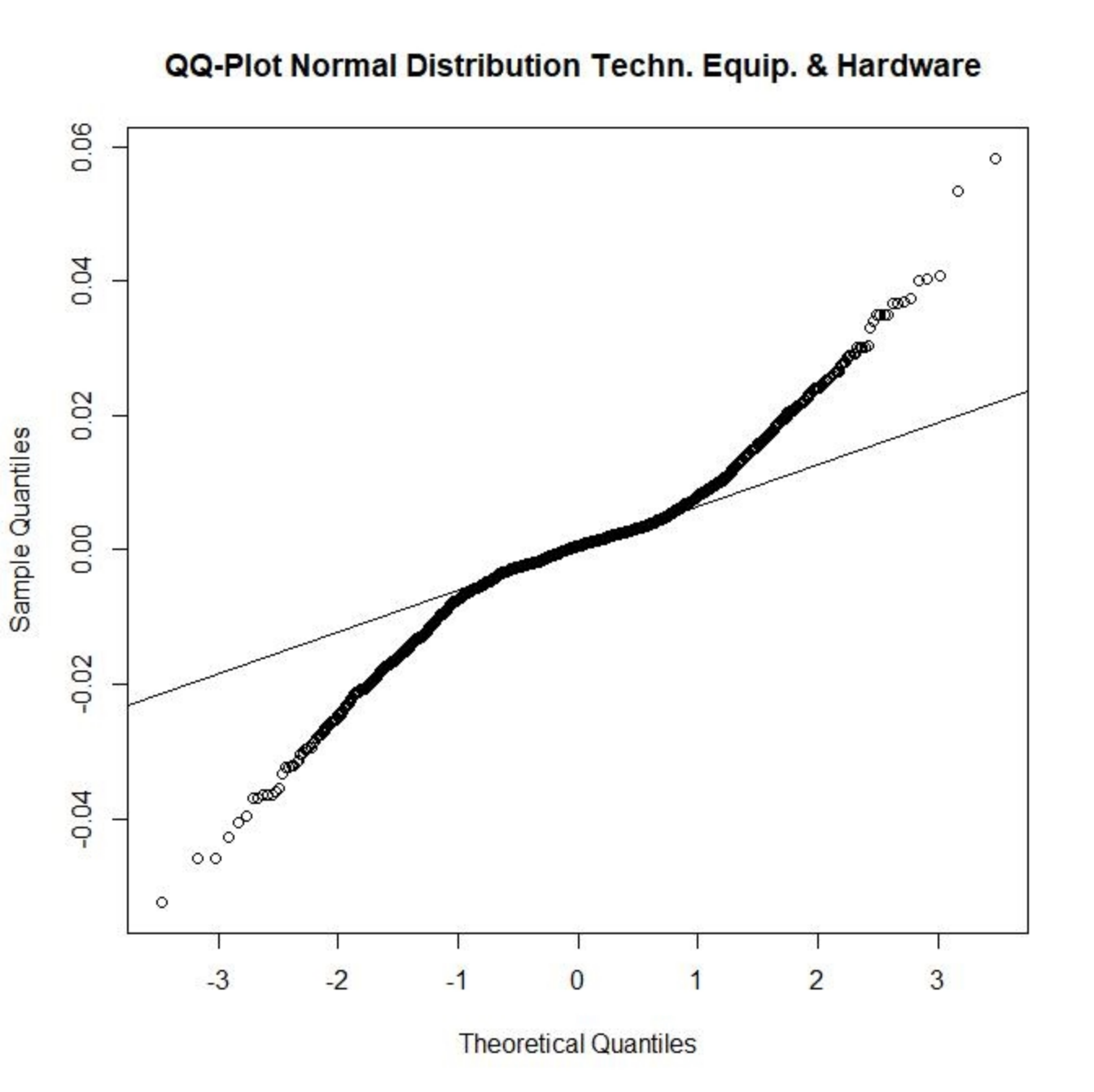

QQ-Plot Normal Distribution Mobile Telecommunication
Sample Quantiles
0.04
0.02
0.00
-0.02
-0.04
-3
-2
-1
0
1
2
3
Theoretical Quantiles

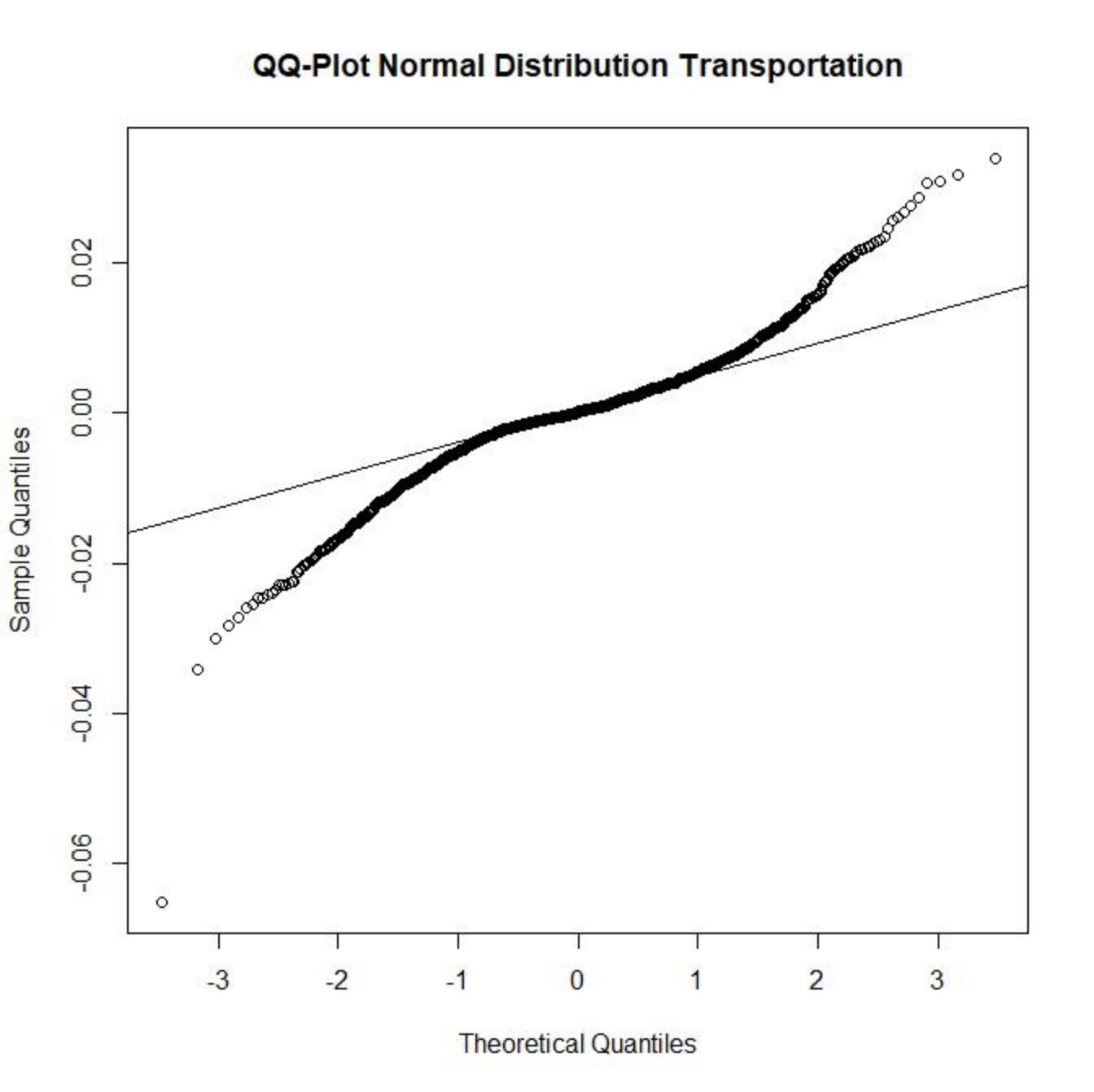

QQ-Plot Normal Distribution Oil and Oil, Equip. Services & Distrib.
Sample Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3
Theoretical Quantiles

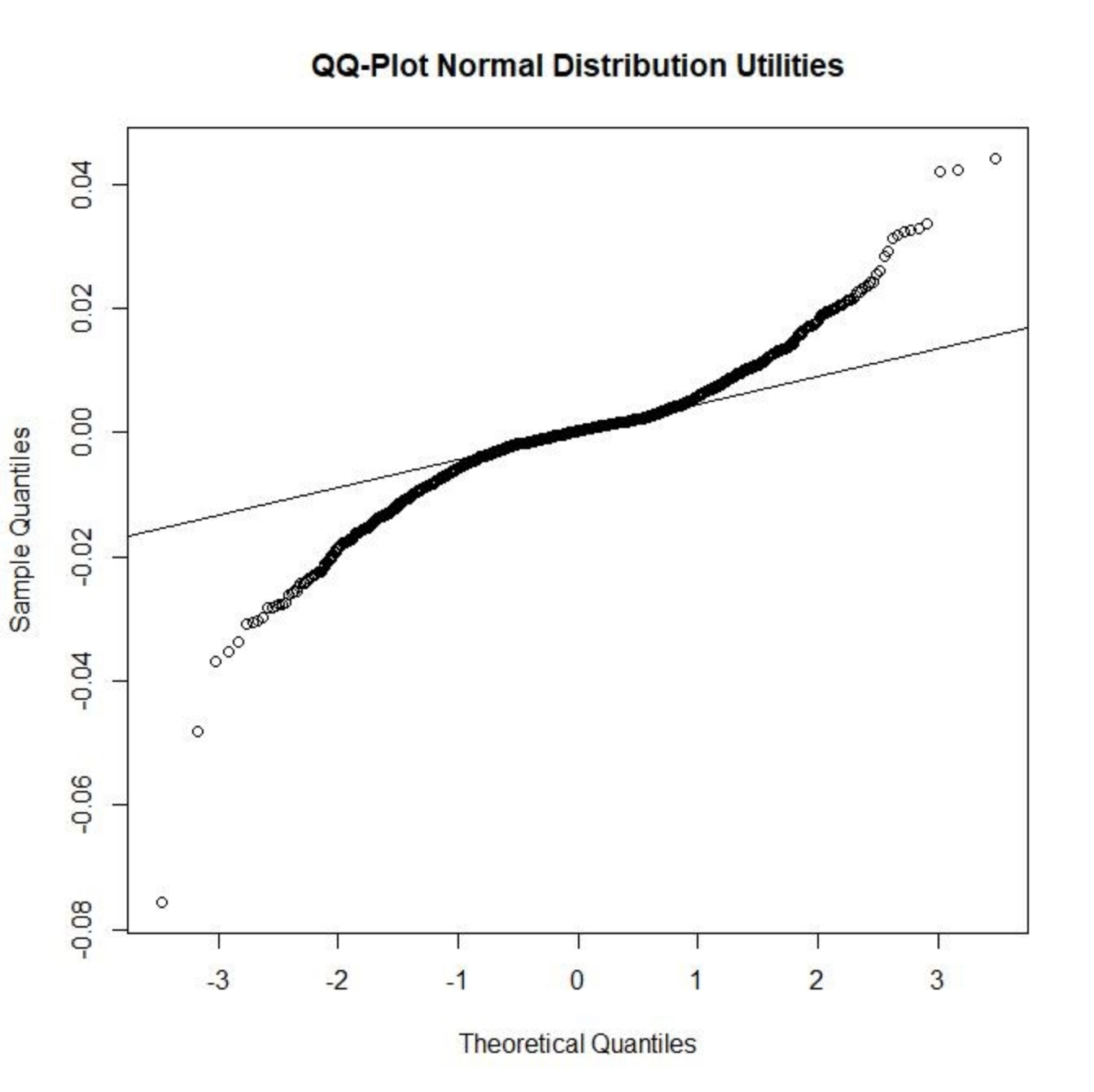

QQ-Plot Normal Distribution Oil and Gas Producers
Sample Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3
Theoretical Quantiles


QQ-Plot Normal Distribution REITS
Sample Quantiles
0.05
0.00
-0.05
-0.10
-3
-2
-1
0
1
2
3
Theoretical Quantiles


QQ-Plot Normal Distribution Softw. & Comp. Services
Sample Quantiles
Theoretical Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3


QQ-Plot Normal Distribution Techn. Equip. & Hardware
Sample Quantiles
0.06
0.04
0.02
0.00
-0.02
-0.04
-3
-2
-1
0
1
2
3
Theoretical Quantiles


QQ-Plot Normal Distribution Transportation
Sample Quantiles
0.02
0.00
-0.02
-0.04
-0.06
-3
-2
-1
0
1
2
3
Theoretical Quantiles


QQ-Plot Normal Distribution Utilities
Sample Quantiles
Theoretical Quantiles
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-3
-2
-1
0
1
2
3

DIGITAL APPENDIX E

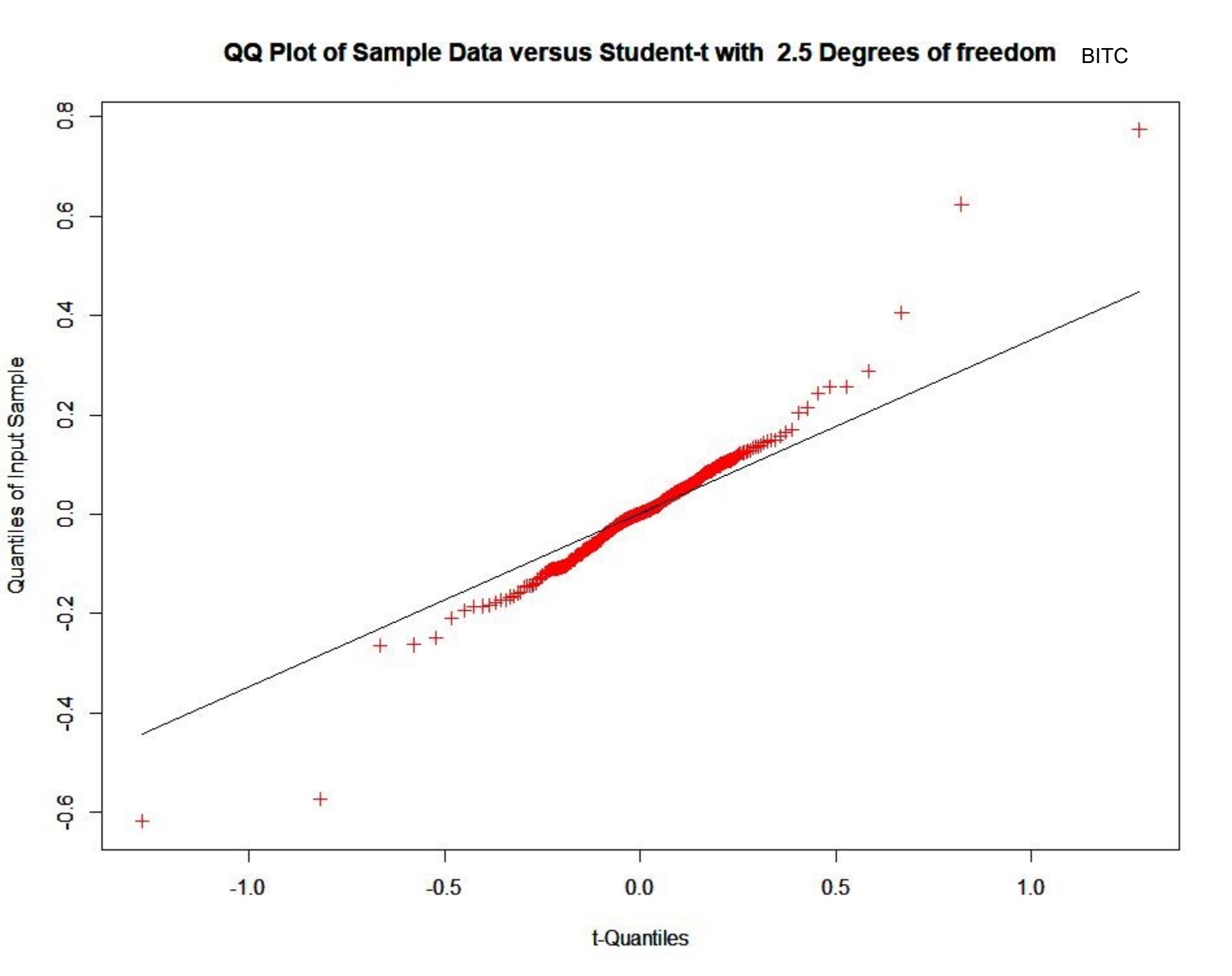
DIGITAL APPENDIX E

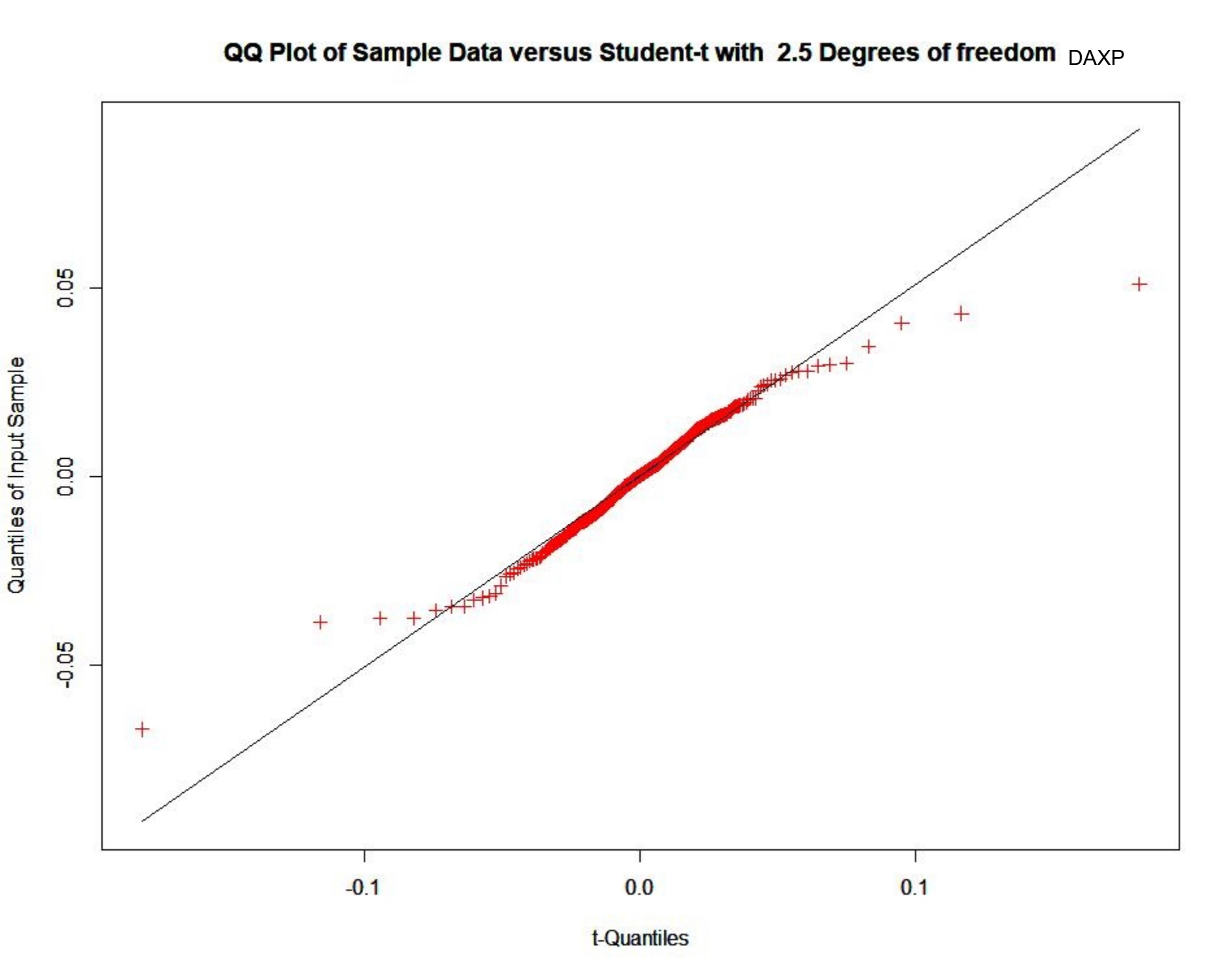
E_[CODE]_Chapter 3.3._QQ-Plots Student-t Distribution

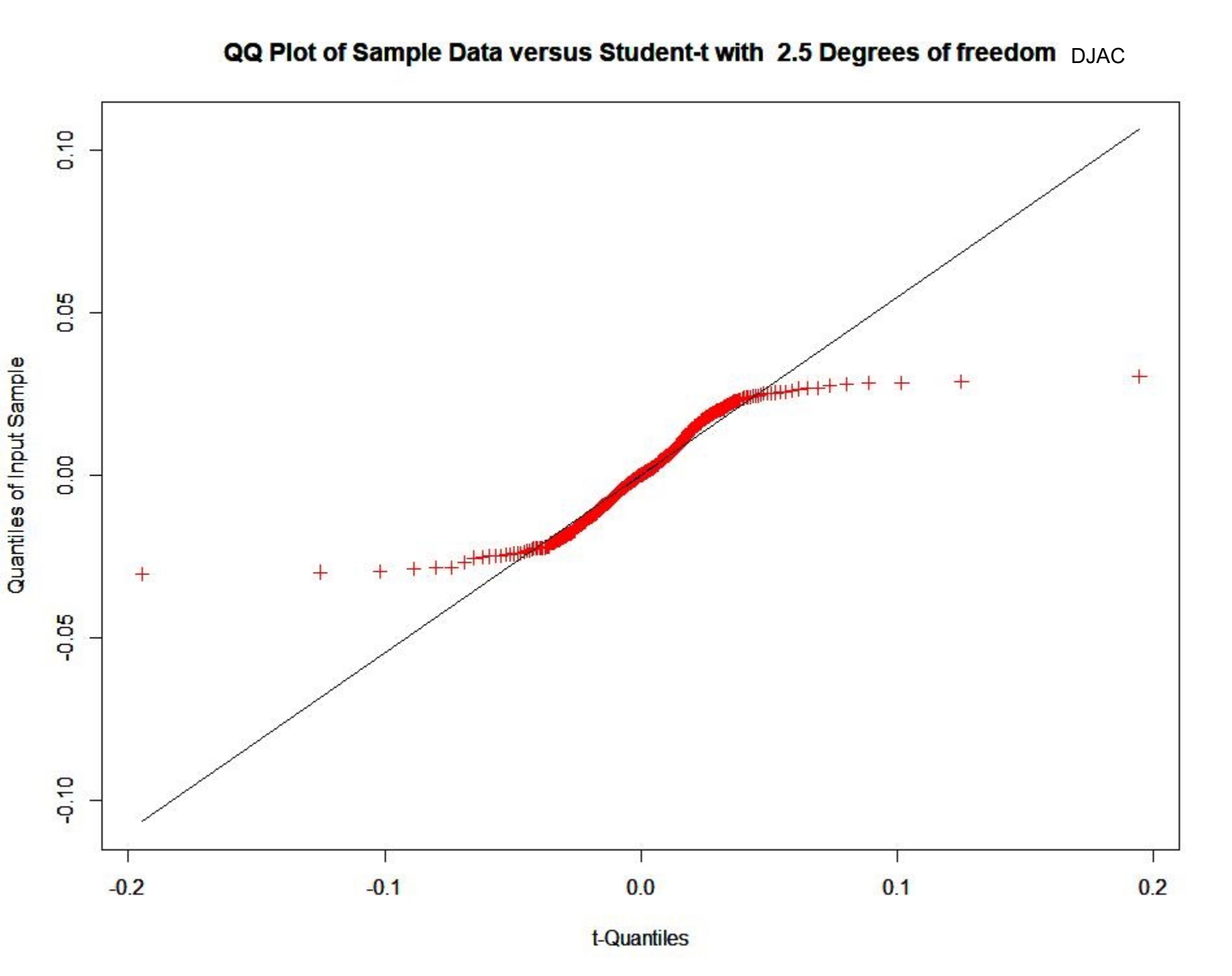
```
#QQ-Plot Student-t Distribution
TQQPlot(DJACret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJACret.jpeg", type="jpeg")
TQQPlot(DJALret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJALret.jpeg", type="jpeg")
TQQPlot(DJCCret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJCCret.jpeg", type="jpeg")
TQQPlot(DJCFret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJCFret.jpeg", type="jpeg")
TQQPlot(DJCPret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJCPret.jpeg", type="jpeg")
TQQPlot(DJCTret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJCTret.jpeg", type="jpeg")
TQQPlot(DJLEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJLEret.jpeg", type="jpeg")
TQQPlot(DJGOret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJGOret.jpeg", type="jpeg")
TQQPlot(DJNIret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJNIret.jpeg", type="jpeg")
TQQPlot(DJSIret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJSIret.jpeg", type="jpeg")
TQQPlot(DJSUret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJSUret.jpeg", type="jpeg")
TQQPlot(DJWEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJWEret.jpeg", type="jpeg")
TQQPlot(DJZIret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJZIret.jpeg", type="jpeg")
TQQPlot(DJLHret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJLHret.jpeg", type="jpeg")
TQQPlot(DJNGret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJNGret.jpeg", type="jpeg")
TQQPlot(DJPEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJPEret.jpeg", type="jpeg")
TQQPlot(DJSOret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DJSOret.jpeg", type="jpeg")
TQQPlot(SEFPret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEFPret.jpeg", type="jpeg")
TQQPlot(SEECret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEECret.jpeg", type="jpeg")
TQQPlot(SEFLret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEFLret.jpeg", type="jpeg")
TQQPlot(SEUTret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEUTret.jpeg", type="jpeg")
TQQPlot(SETRret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SETRret.jpeg", type="jpeg")
TQQPlot(SEMOret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEMOret.jpeg", type="jpeg")
TQQPlot(SEOGret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEOGret.jpeg", type="jpeg")
TQQPlot(SEOEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEOEret.jpeg", type="jpeg")
TQQPlot(SEAIret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEAIret.jpeg", type="jpeg")
TQQPlot(SEISret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEISret.jpeg", type="jpeg")
TQQPlot(SEREret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEREret.jpeg", type="jpeg")
TQQPlot(SEAEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEAEret.jpeg", type="jpeg")
TQQPlot(SESOret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SESOret.jpeg", type="jpeg")
TQQPlot(SETEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SETEret.jpeg", type="jpeg")
TQQPlot(SEBEret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEBEret.jpeg", type="jpeg")
TQQPlot(SEETret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEETret.jpeg", type="jpeg")
TQQPlot(SECHret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SECHret.jpeg", type="jpeg")
TQQPlot(SEAPret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/SEAPret.jpeg", type="jpeg")
TQQPlot(BITCret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/BITCret.jpeg", type="jpeg")
TQQPlot(LITCret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/LITCret.jpeg", type="jpeg")
TQQPlot(GREXret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/GREXret.jpeg", type="jpeg")
TQQPlot(DAXPret, 2.5)
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/07_QQ-Plot-sst/DAXPret.jpeg", type="jpeg")
```

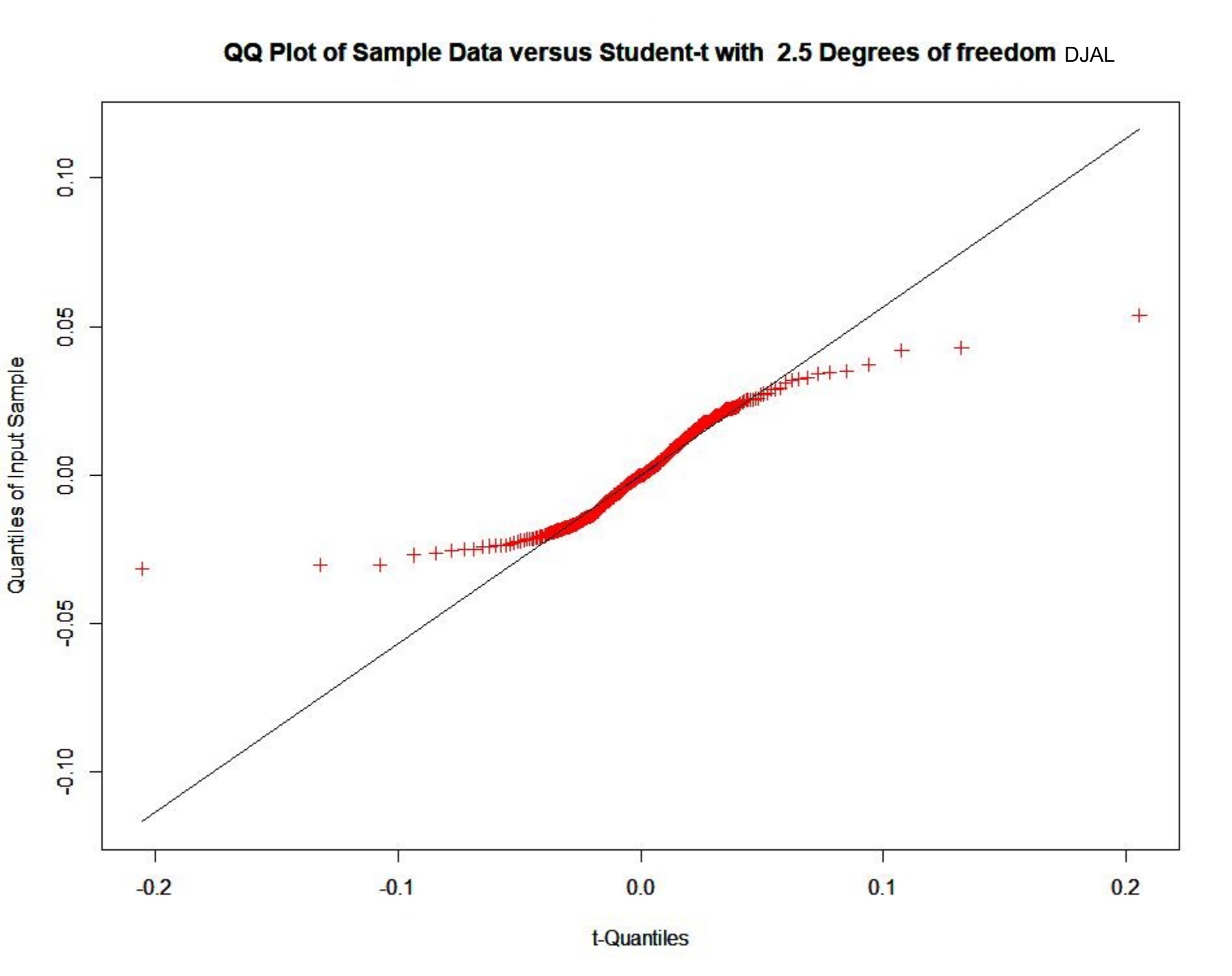
DIGITAL APPENDIX E

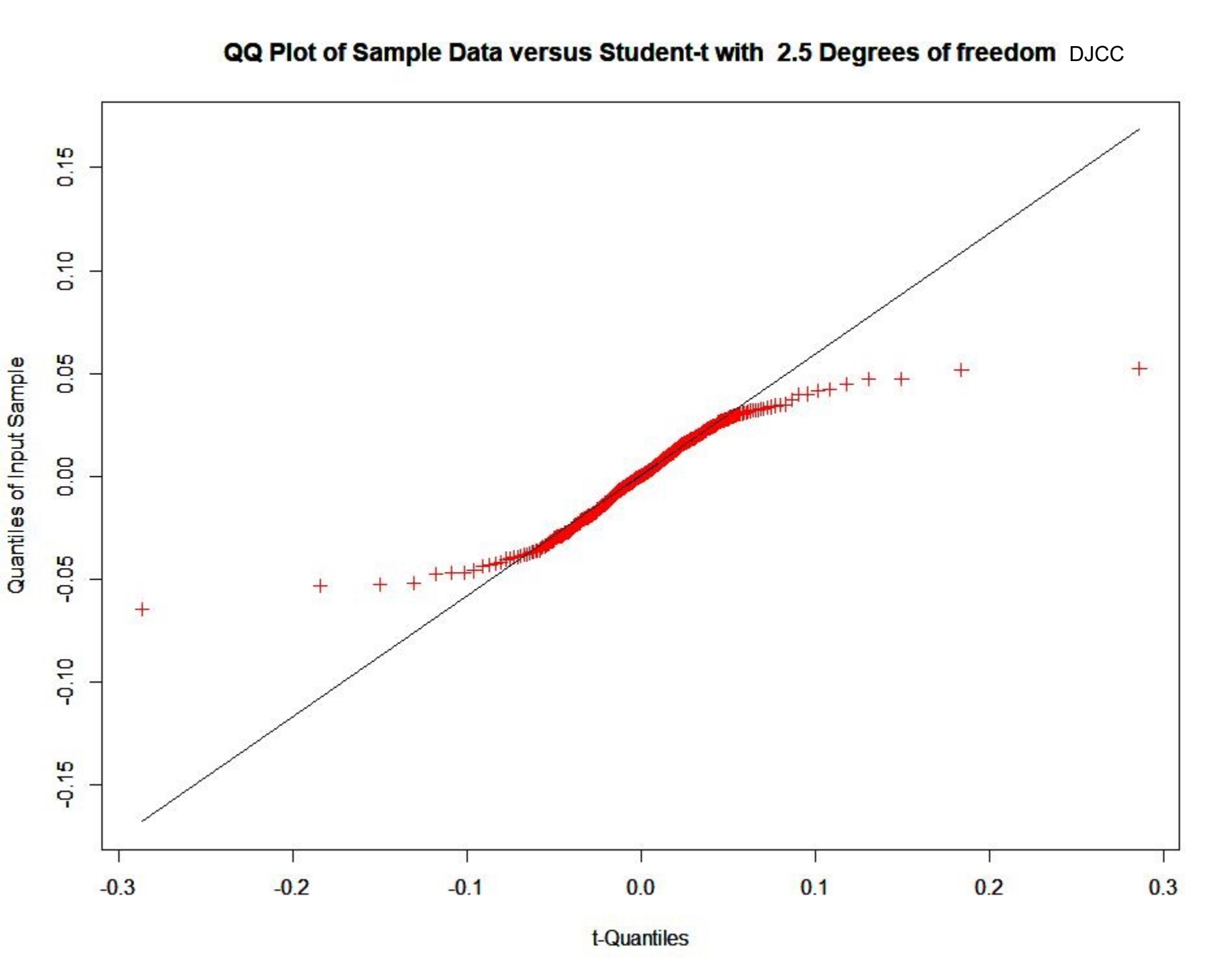
E_[RESULTS]_Chapter 3.3._QQ-Plots Student-t Distribution

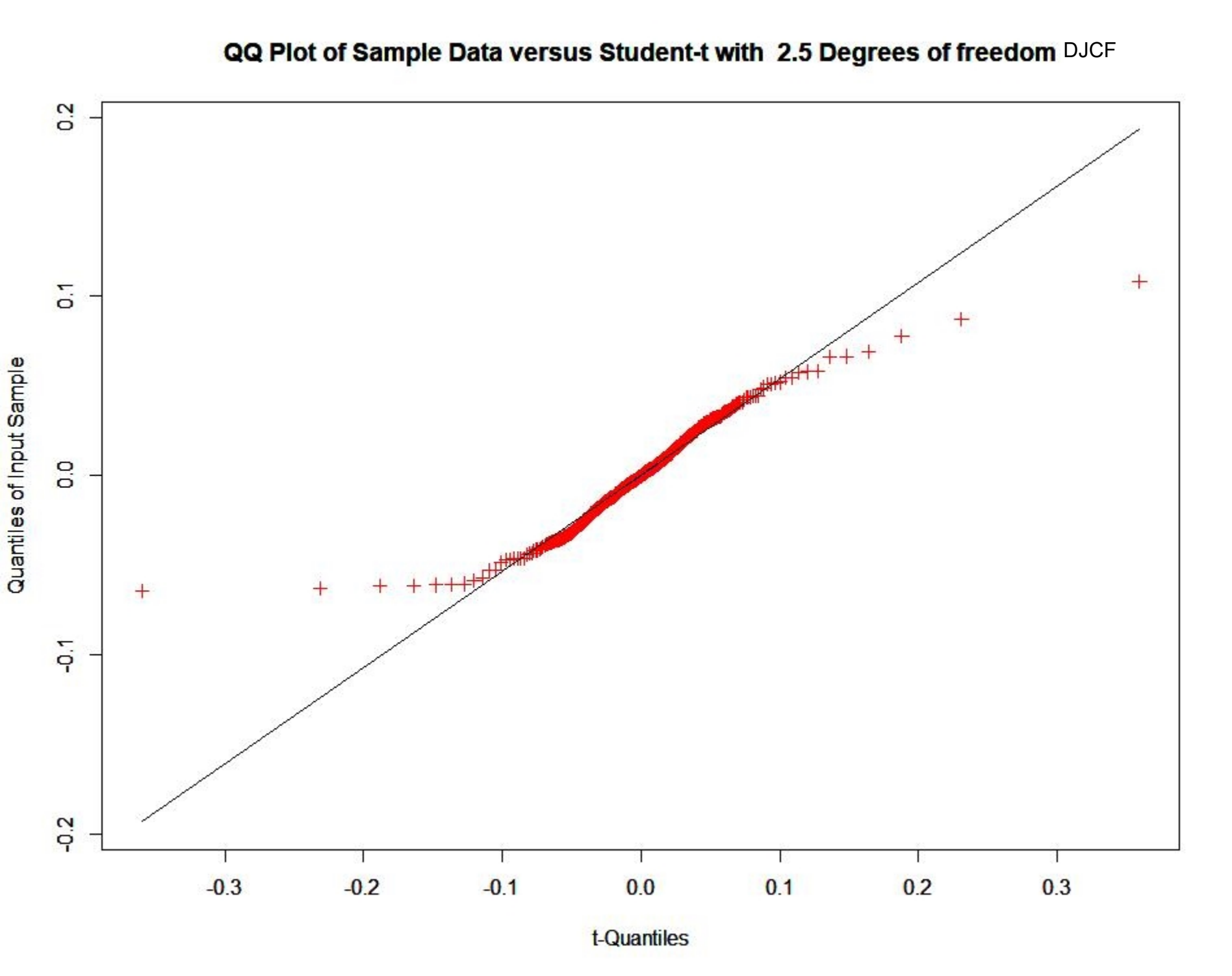

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
BITC
Quantiles of Input Sample
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-1.0
-0.5
0.0
0.5
1.0
t-Quantiles

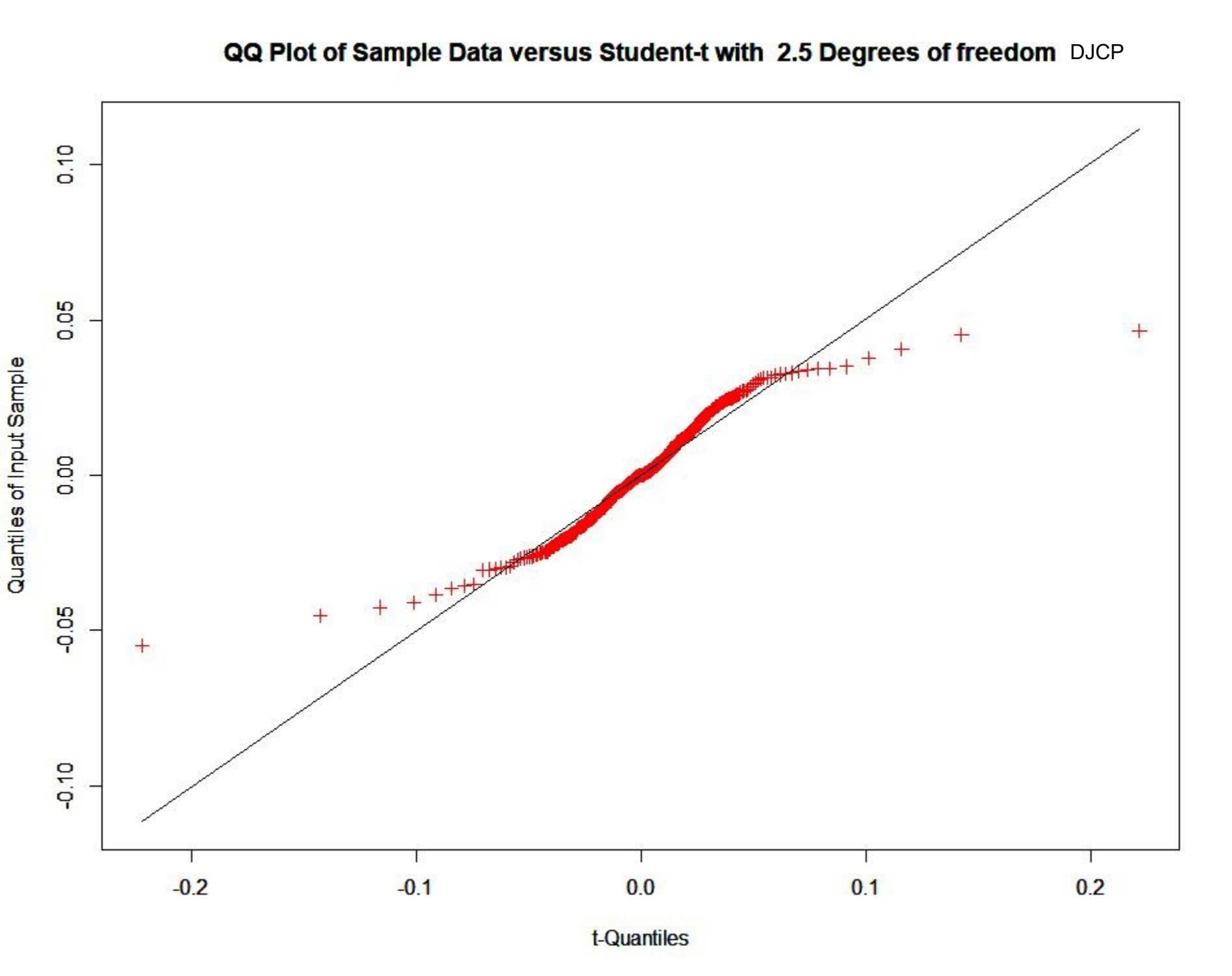

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DAXP
Quantiles of Input Sample
0.05
0.00
-0.05
-0.1
0.0
0.1
t-Quantiles

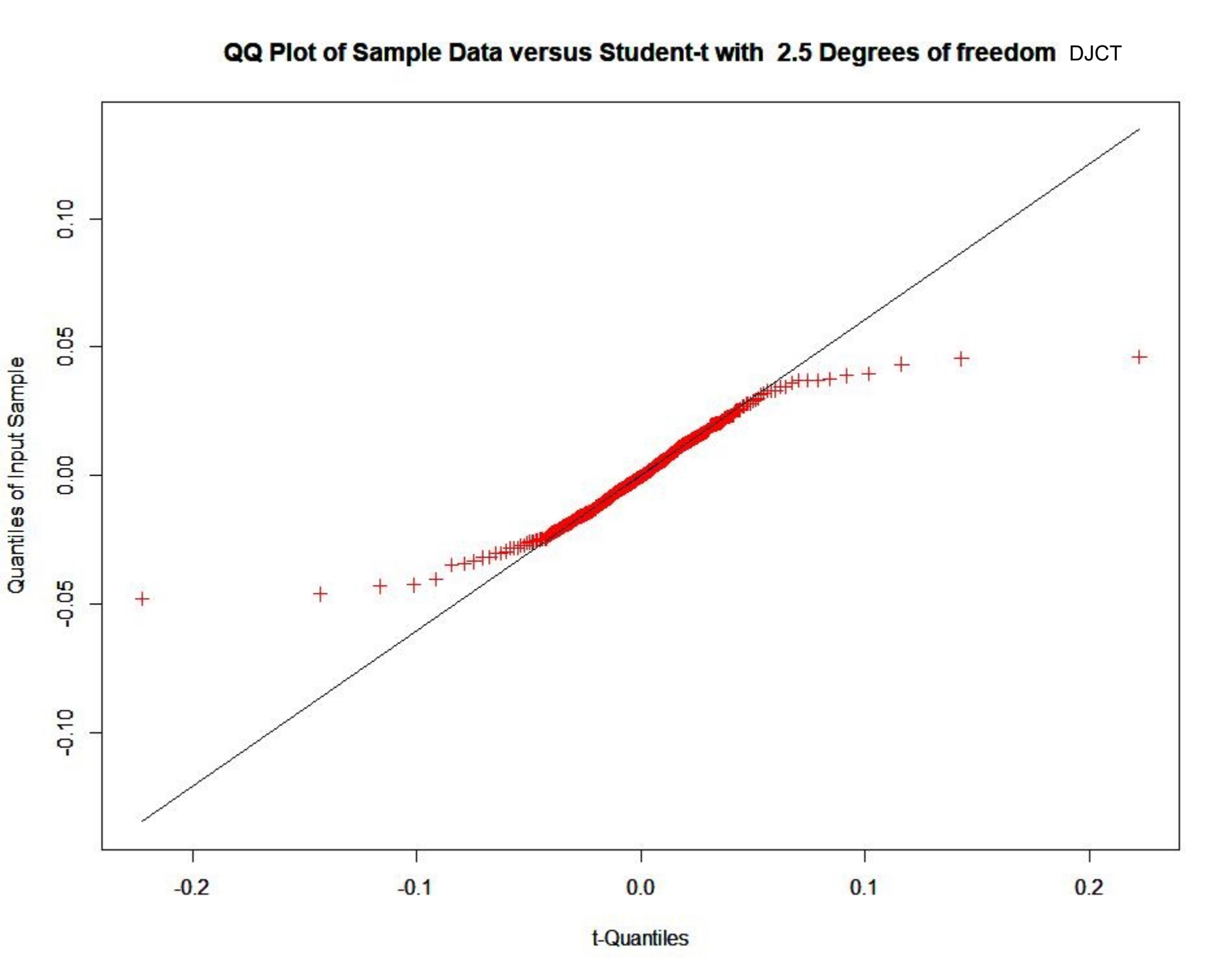

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJAC
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

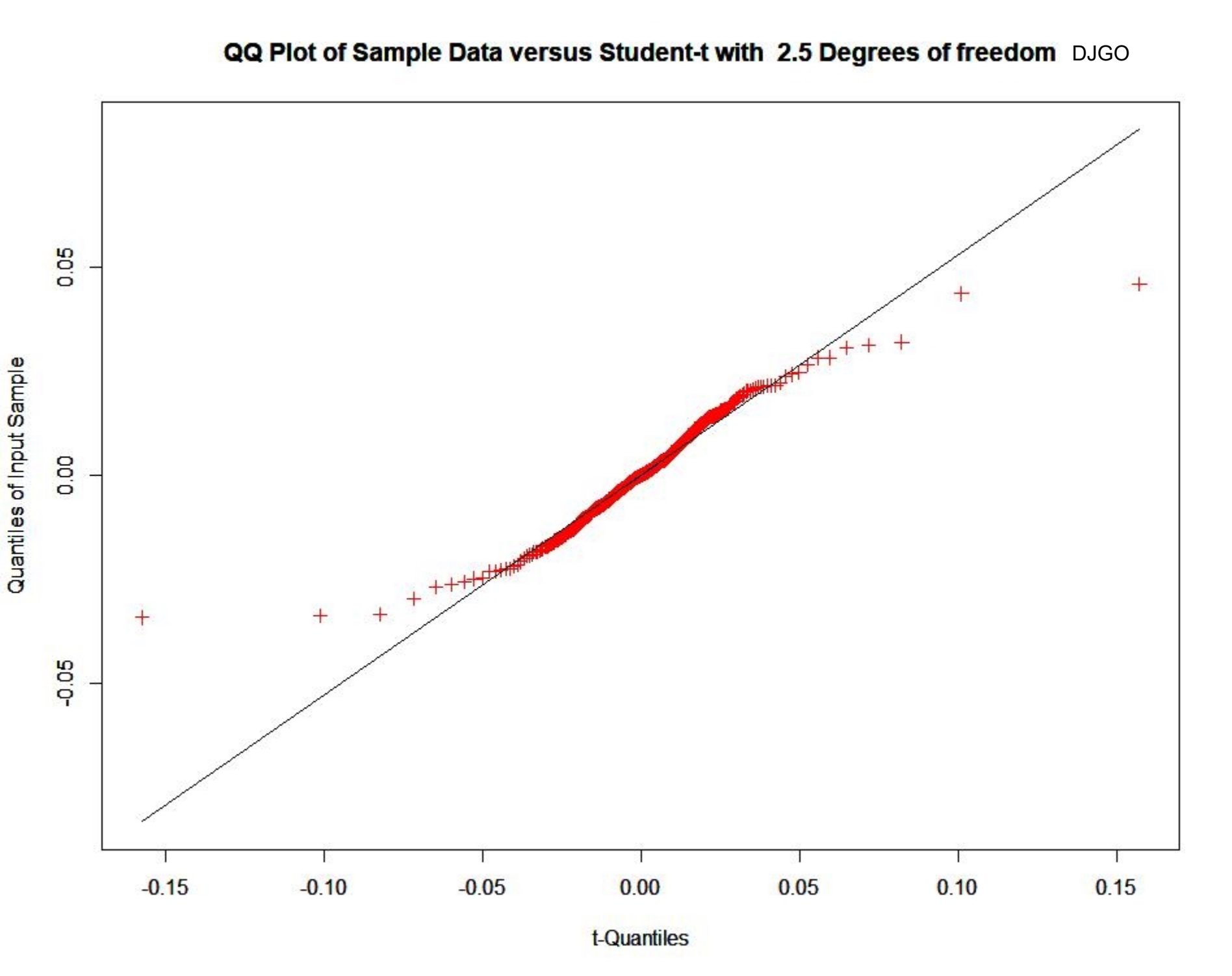

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJAL
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

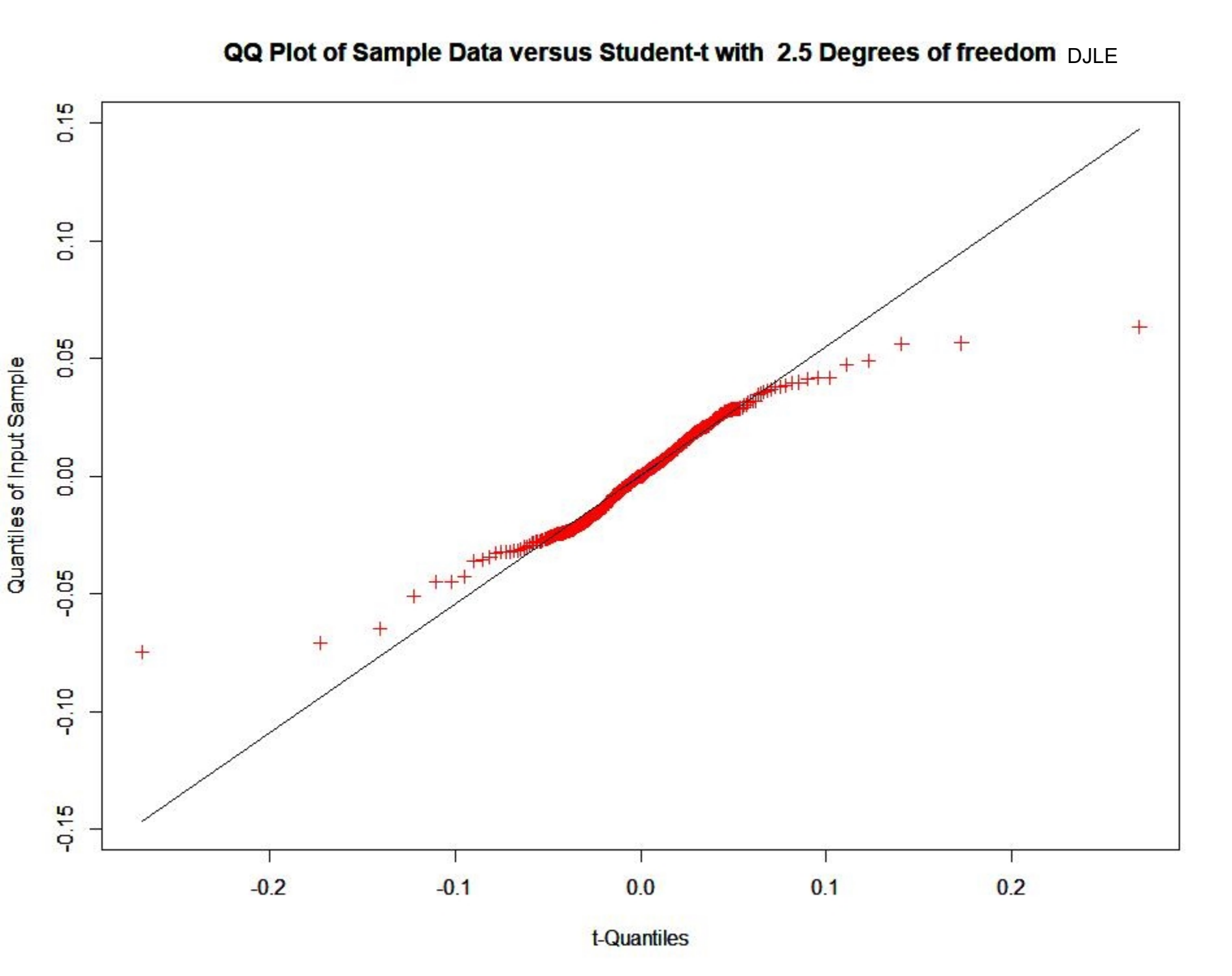

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJCC
Quantiles of Input Sample
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

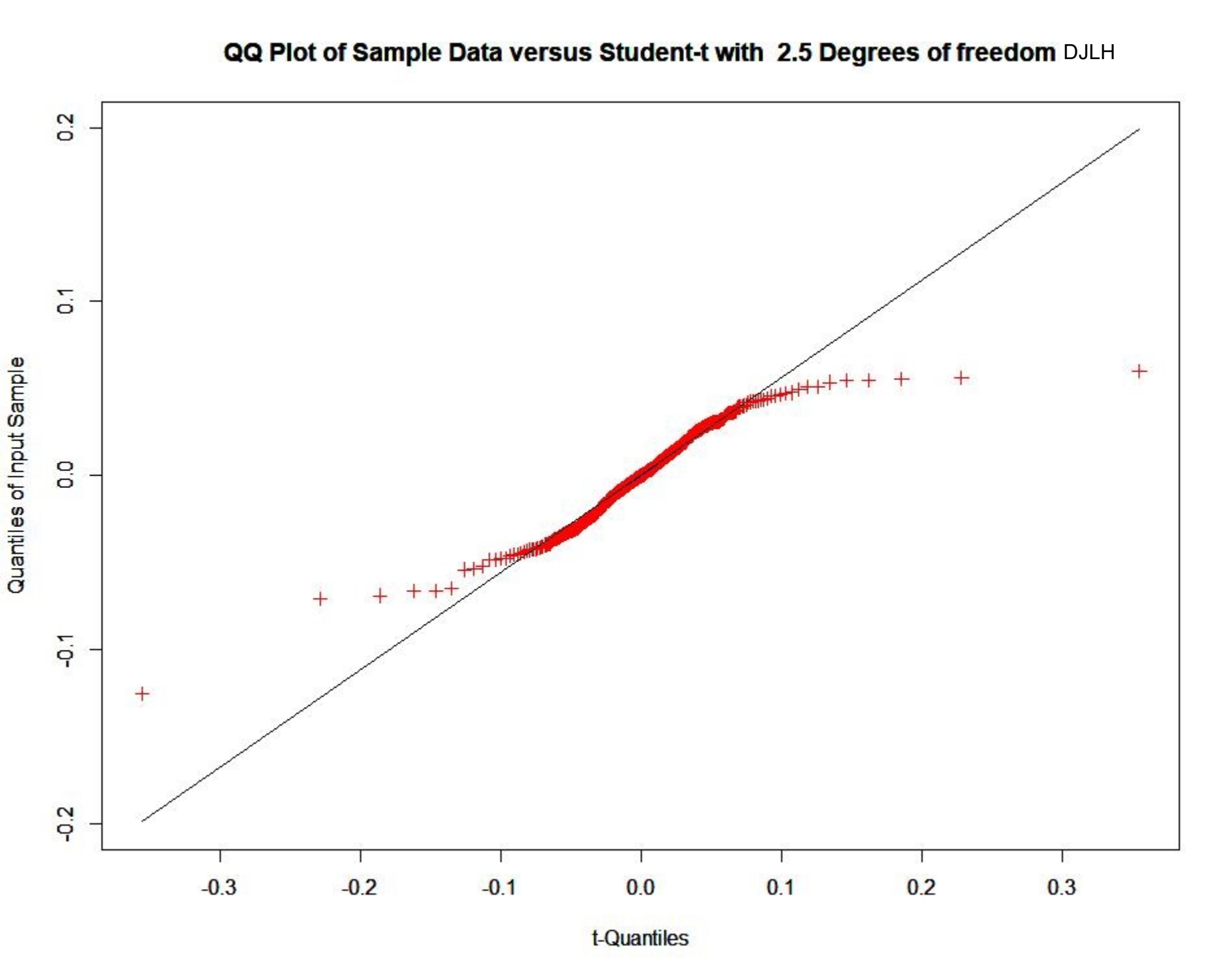

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJCF
Quantiles of Input Sample
0.2
0.1
0.0
-0.1
-0.2
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

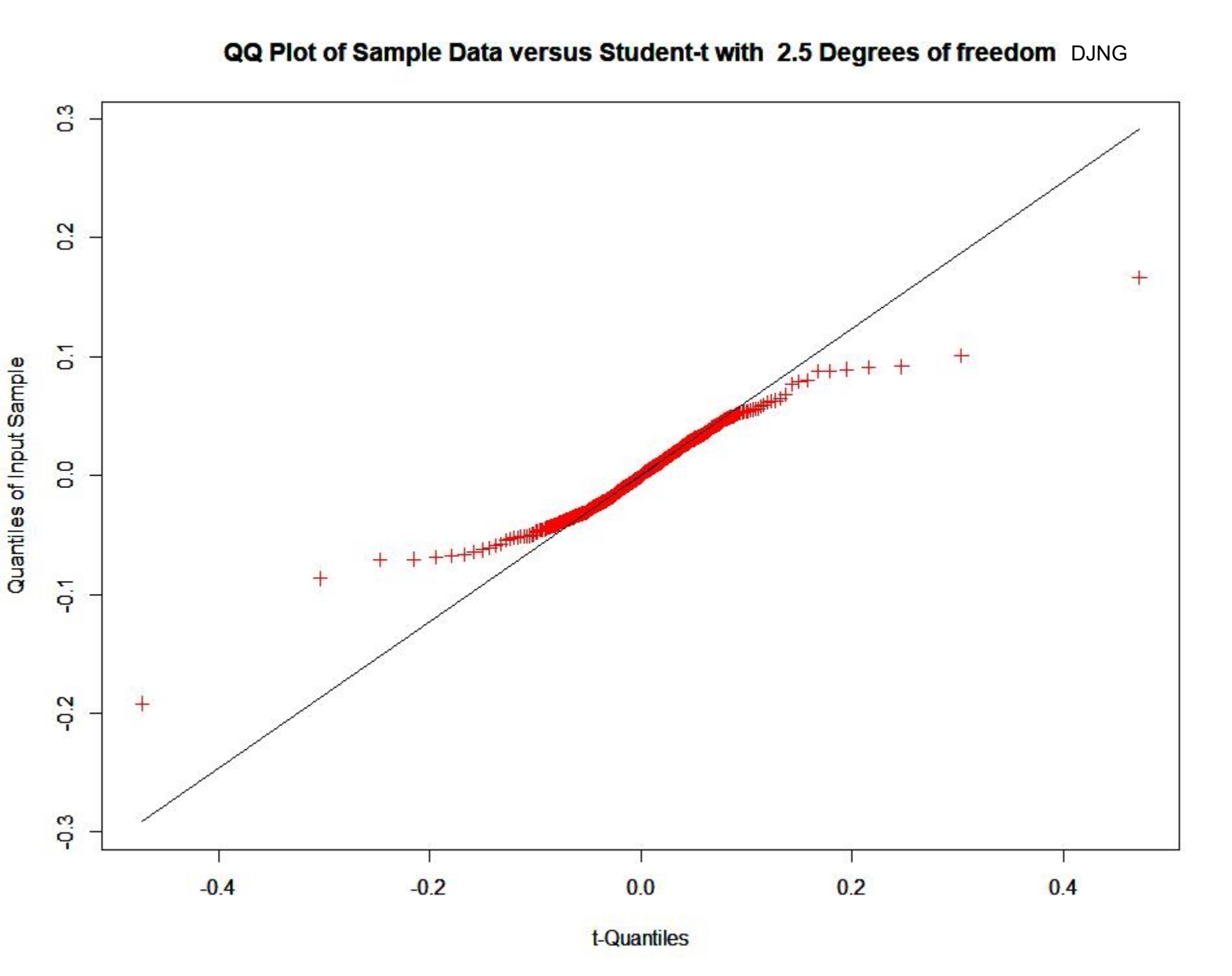

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJCP
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

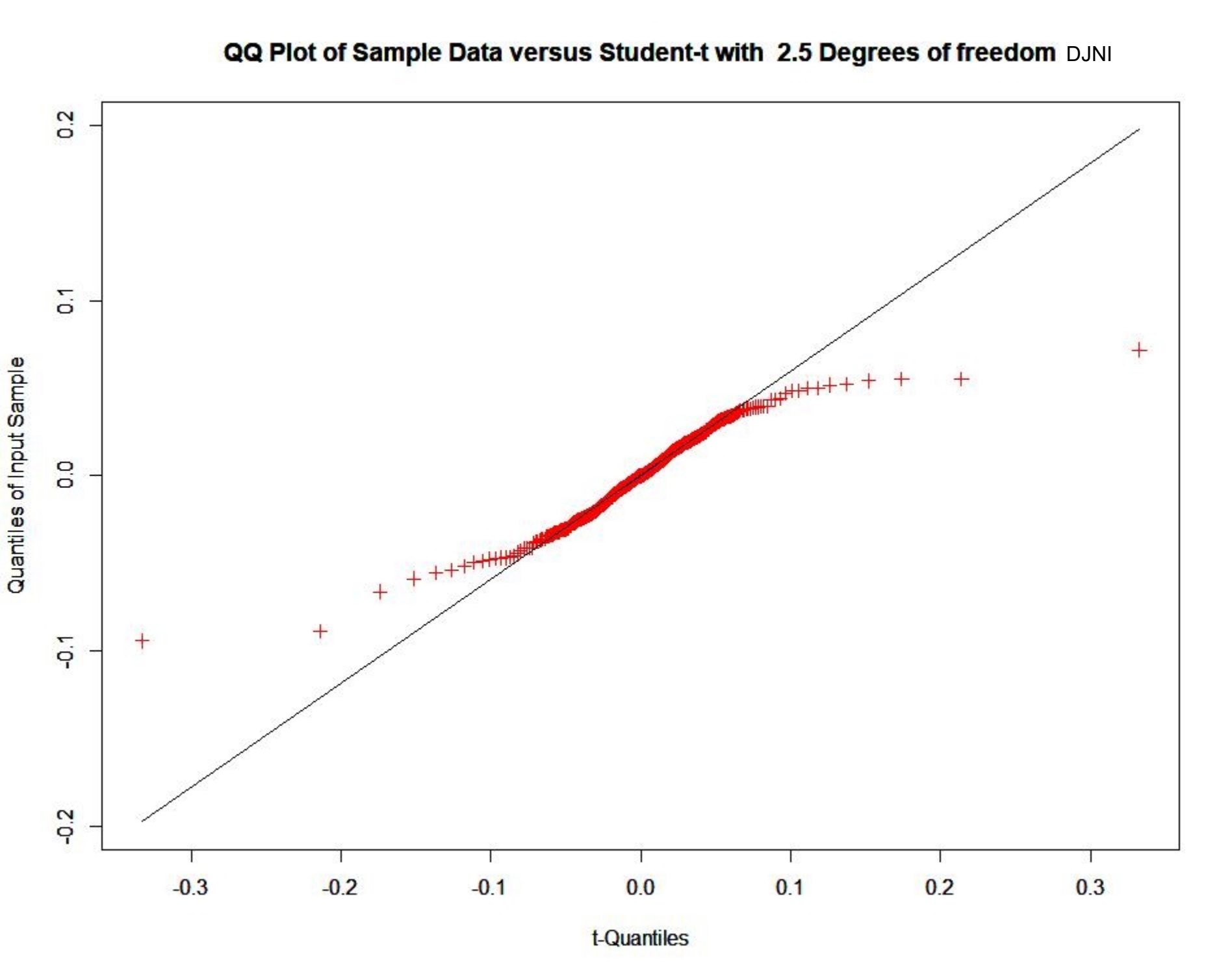

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJCT
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

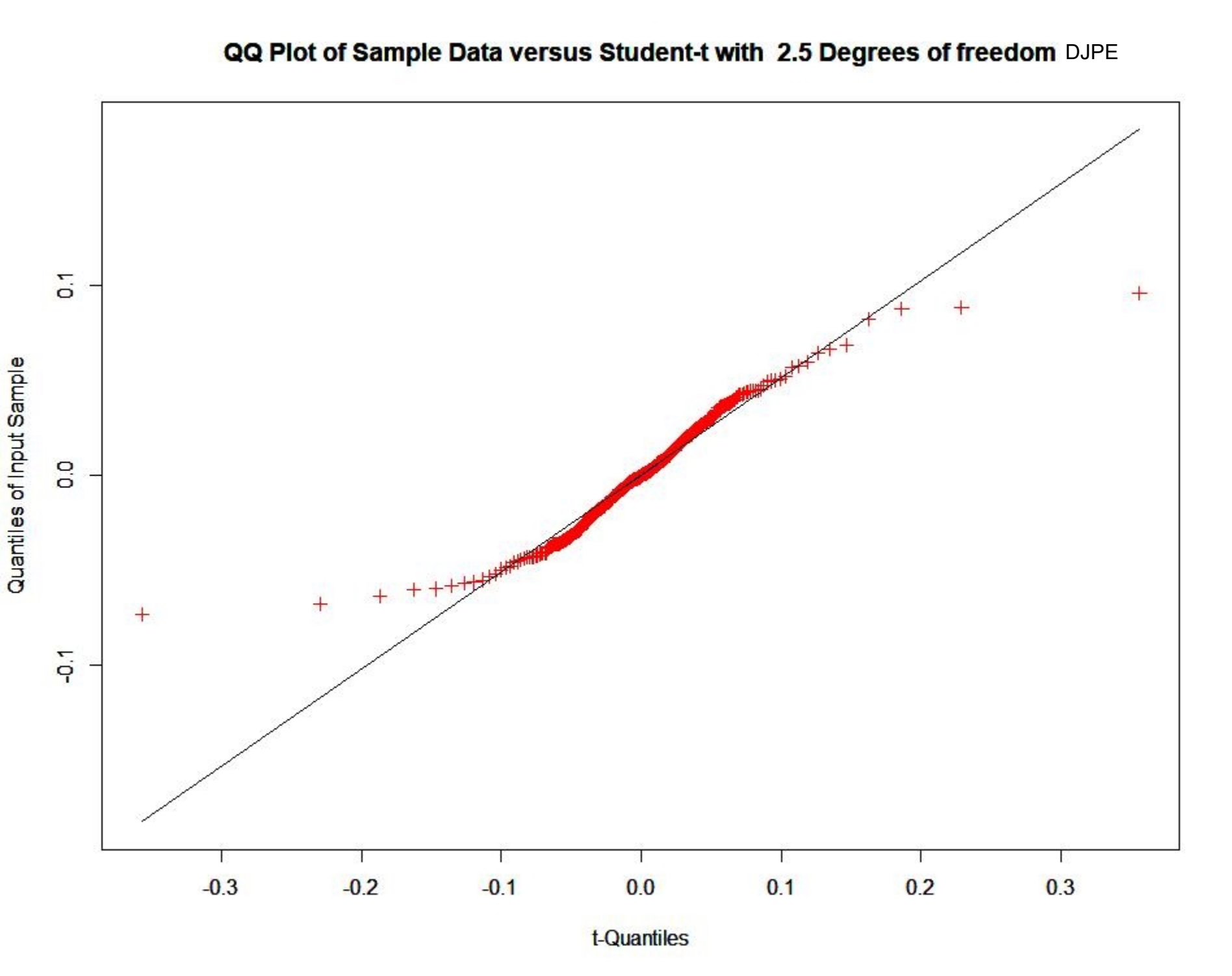

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJGO
Quantiles of Input Sample
0.05
0.00
-0.05
-0.15
-0.10
-0.05
0.00
0.05
0.10
0.15
t-Quantiles

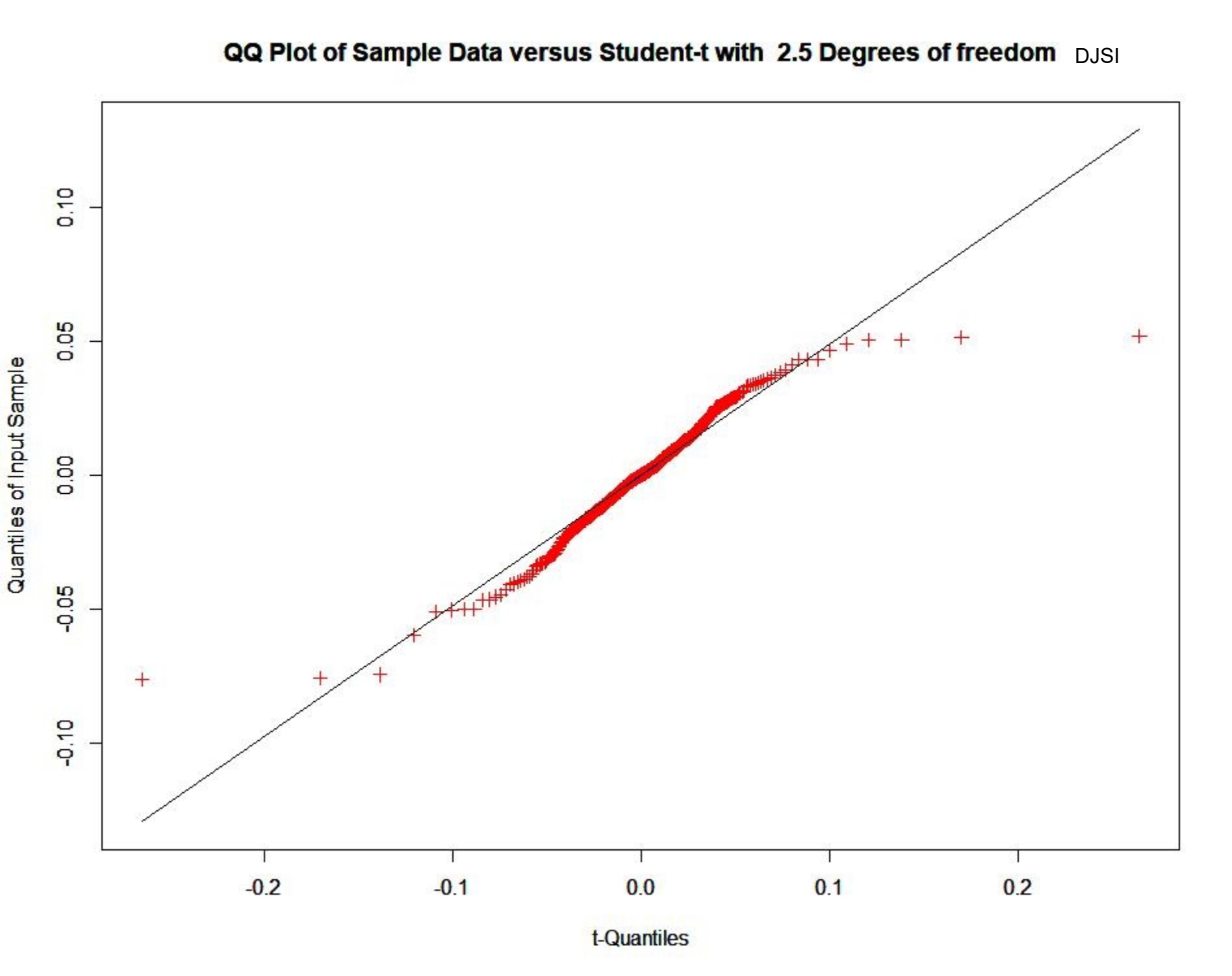

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJLE
Quantiles of Input Sample
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

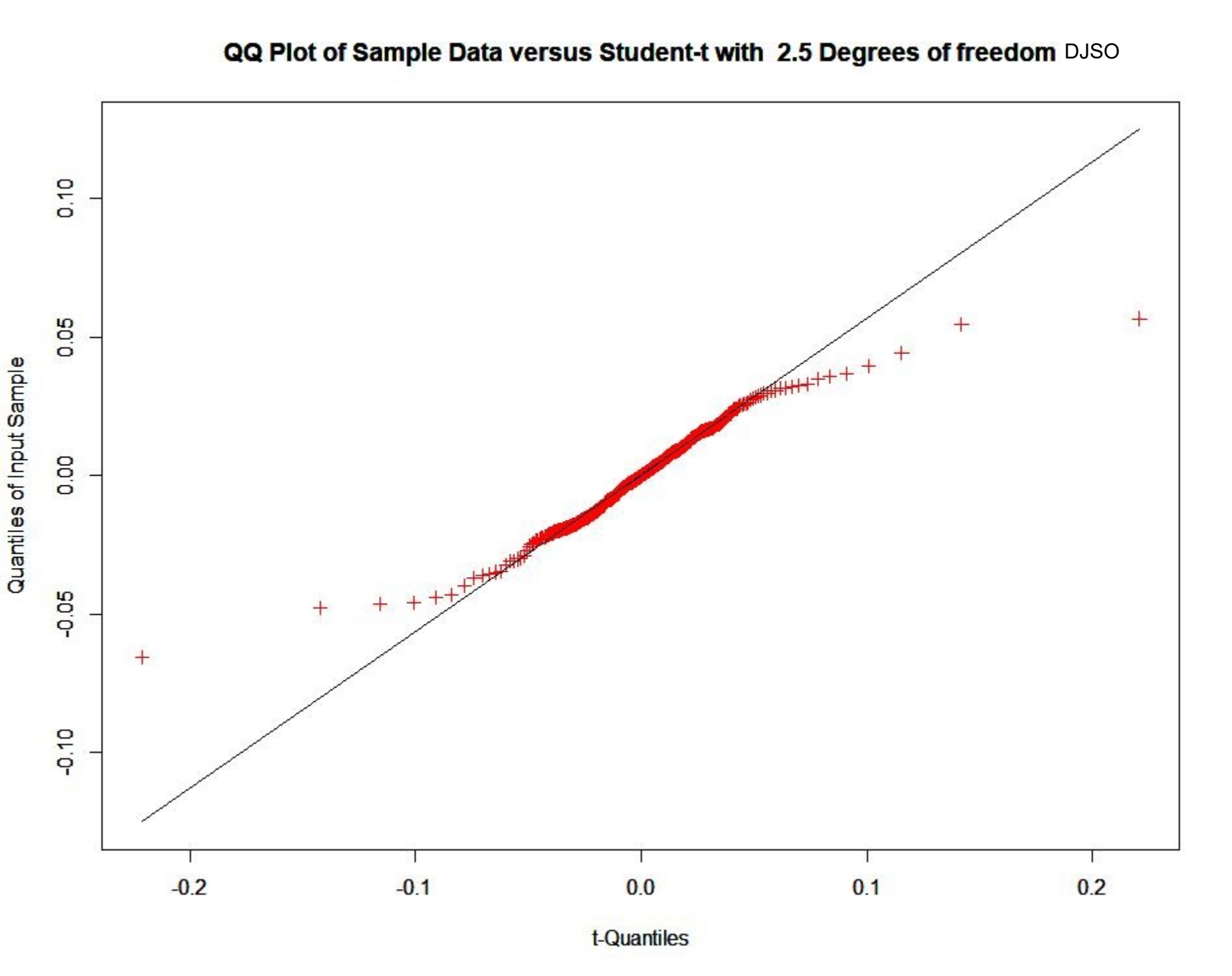

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJLH
Quantiles of Input Sample
t-Quantiles
0.2
0.1
0.0
-0.1
-0.2
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3

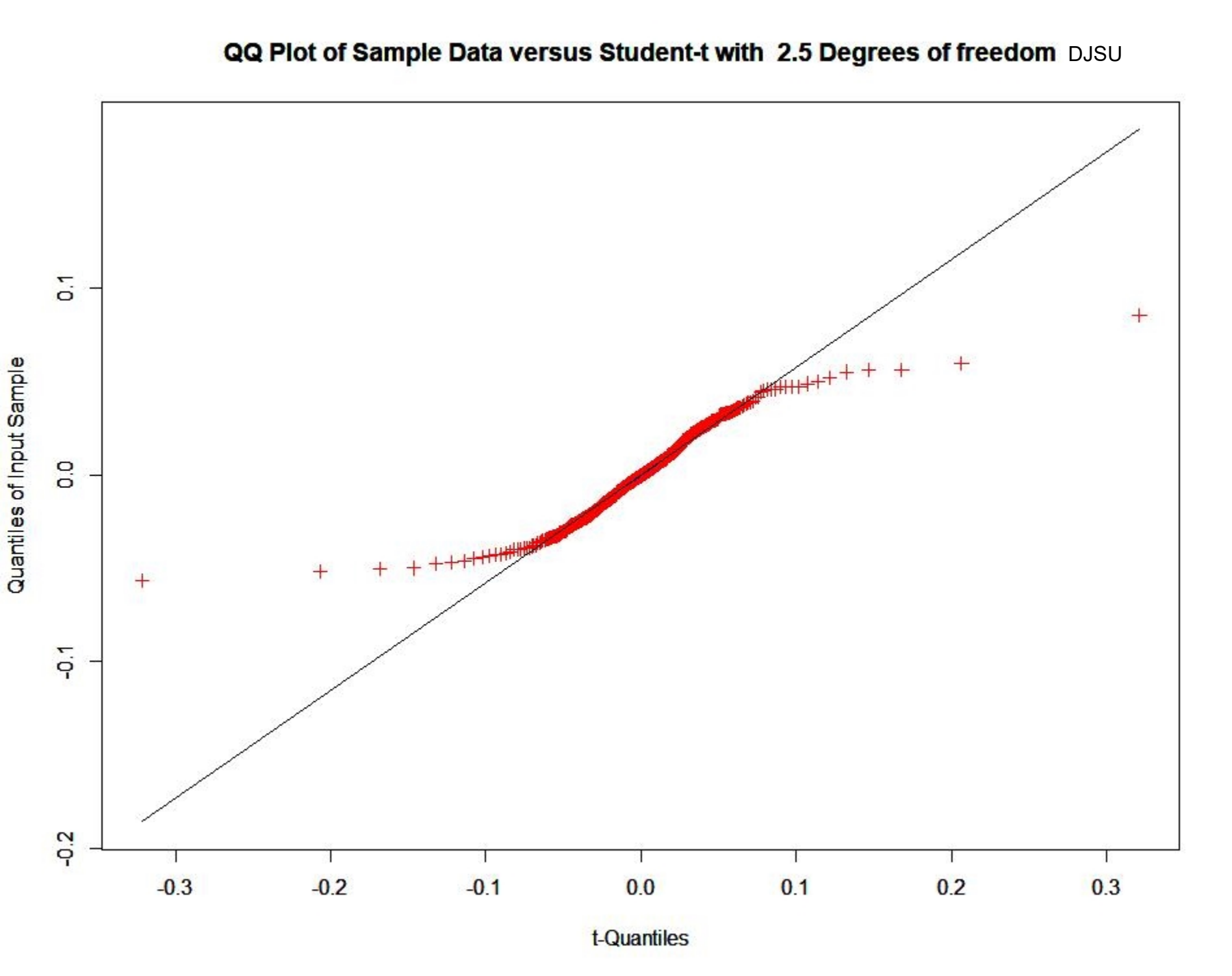

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJNG
Quantiles of Input Sample
0.3
0.2
0.1
0.0
-0.1
-0.2
-0.3
-0.4
-0.2
0.0
0.2
0.4
t-Quantiles

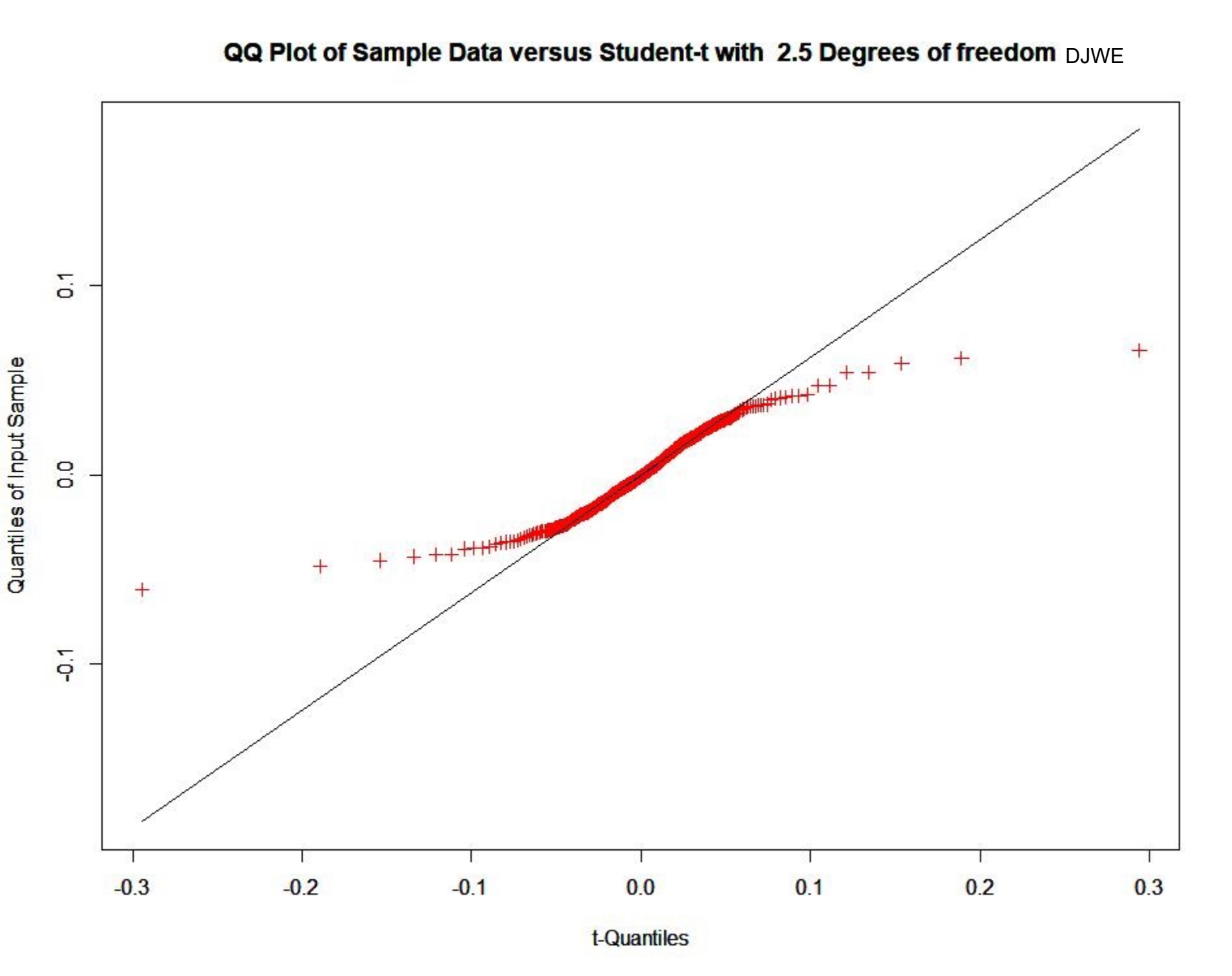

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJNI
Quantiles of Input Sample
t-Quantiles
0.2
0.1
0.0
-0.1
-0.2
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3

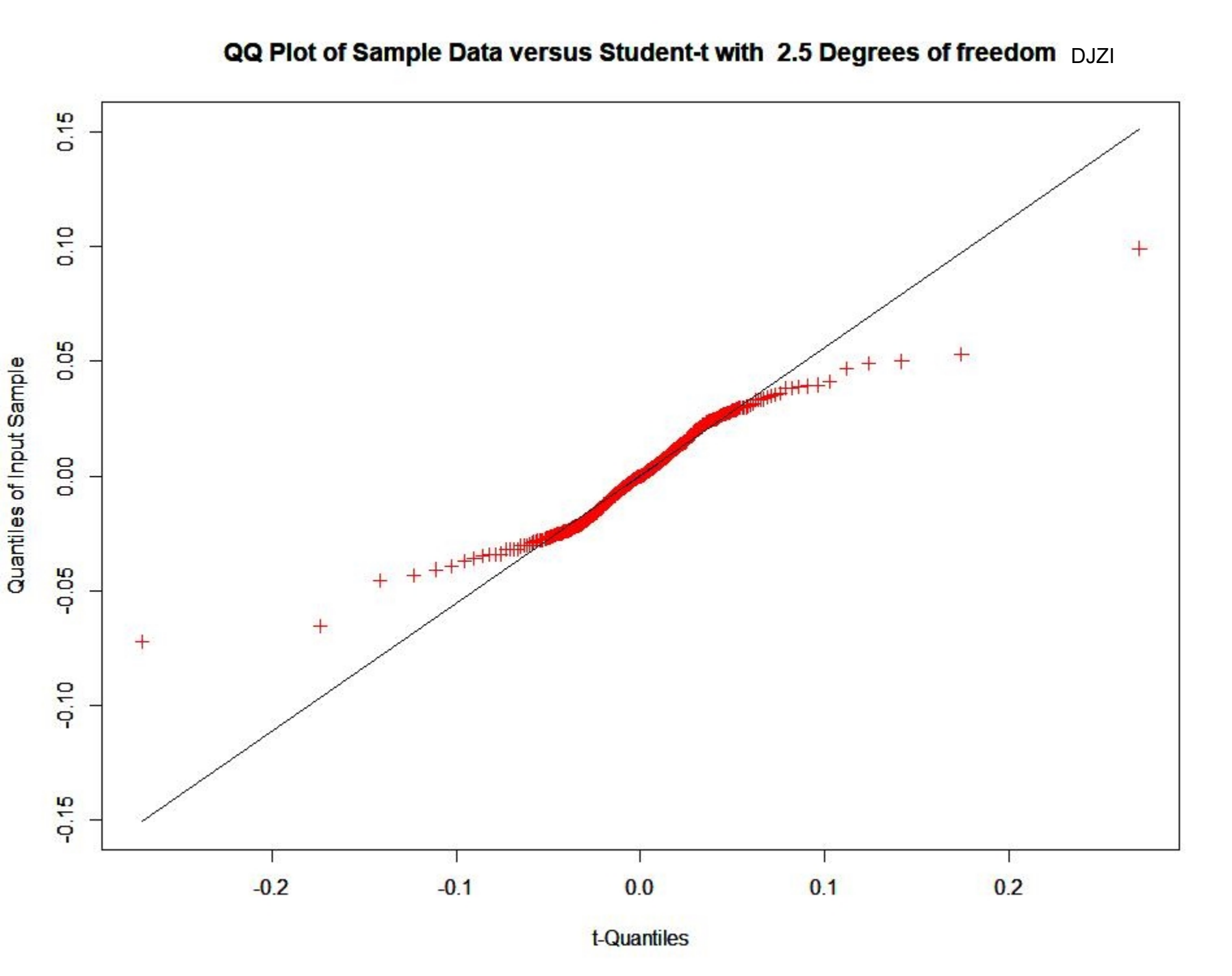

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJPE
Quantiles of Input Sample
0.1
0.0
-0.1
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

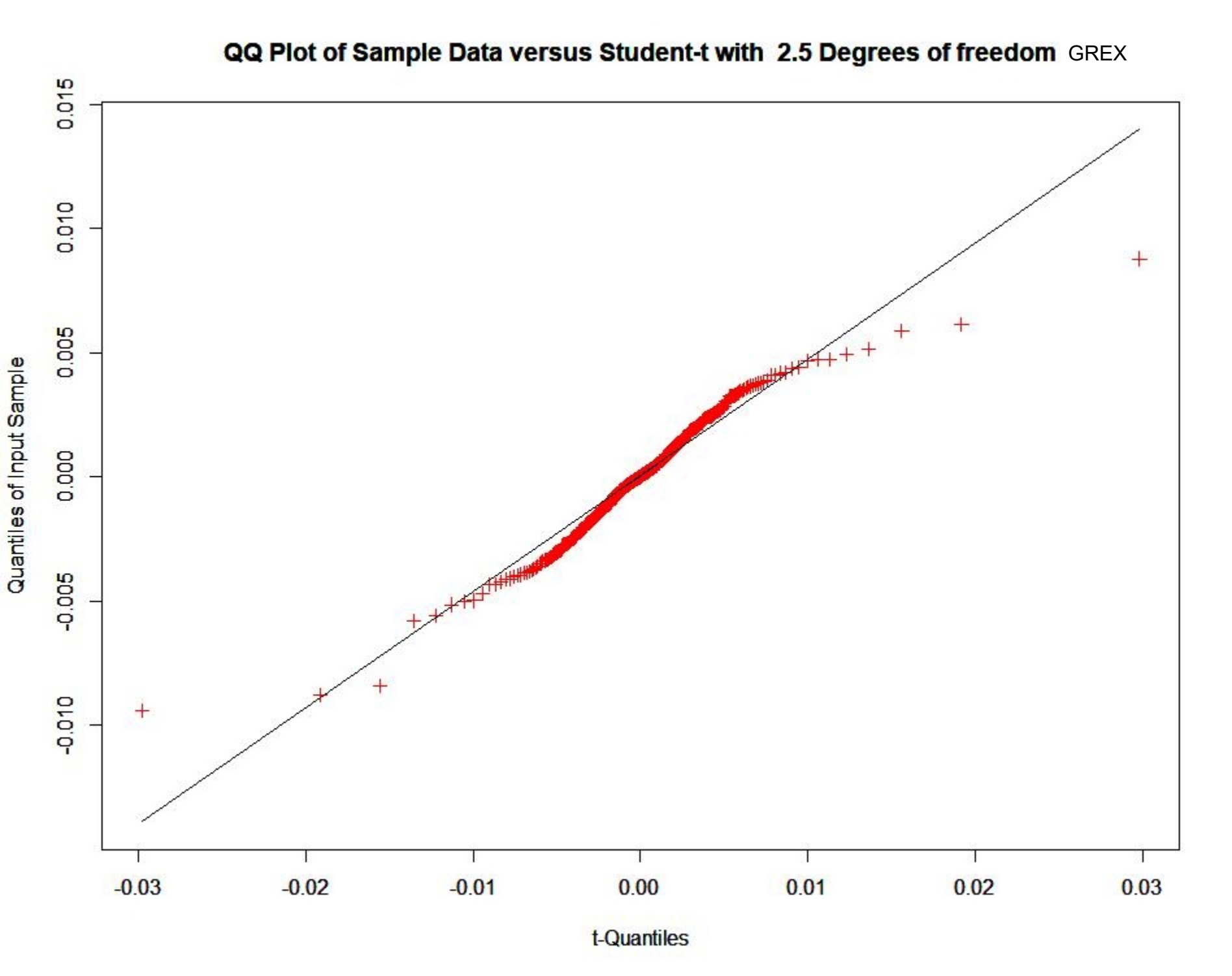

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJSI
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

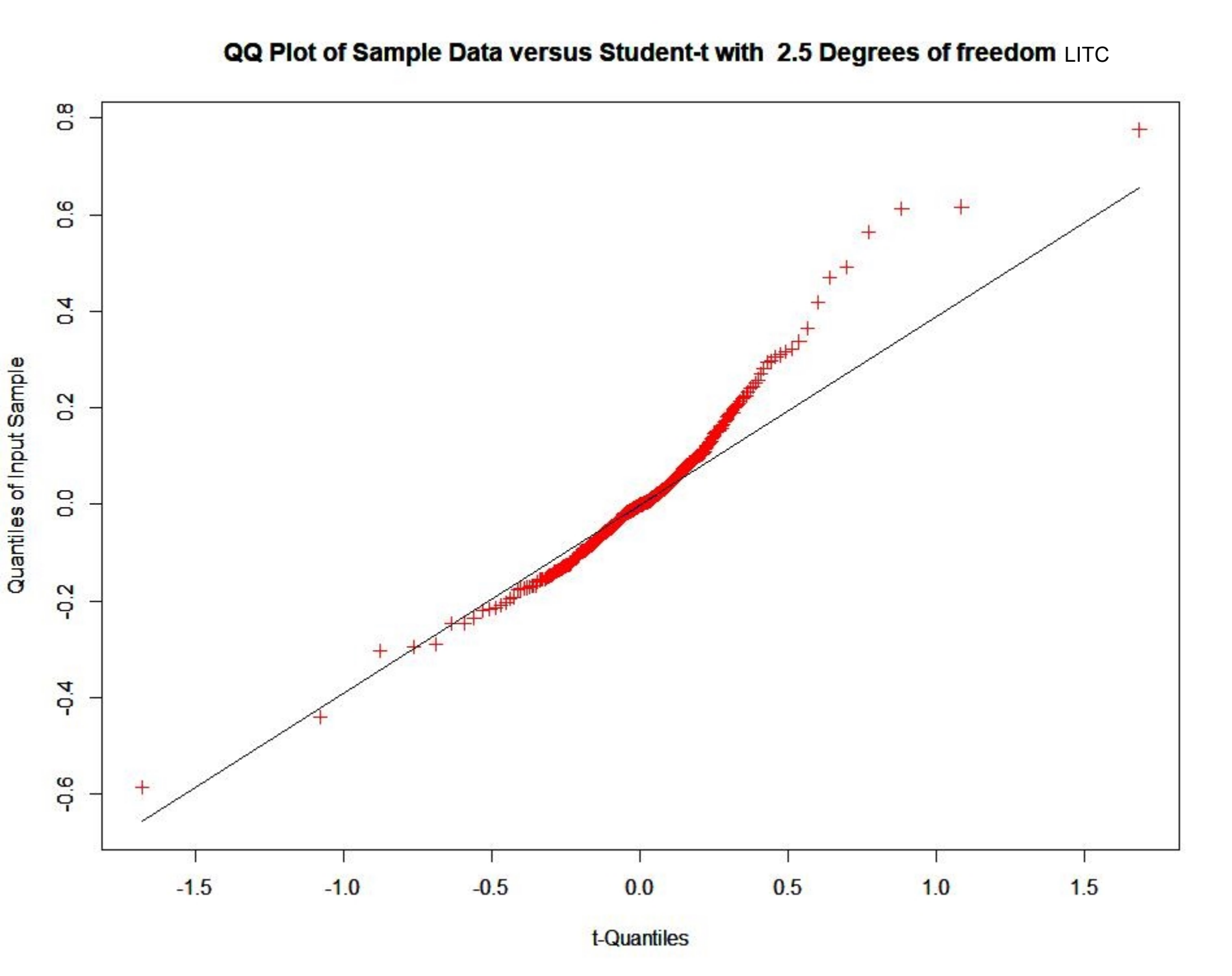

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJSO
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

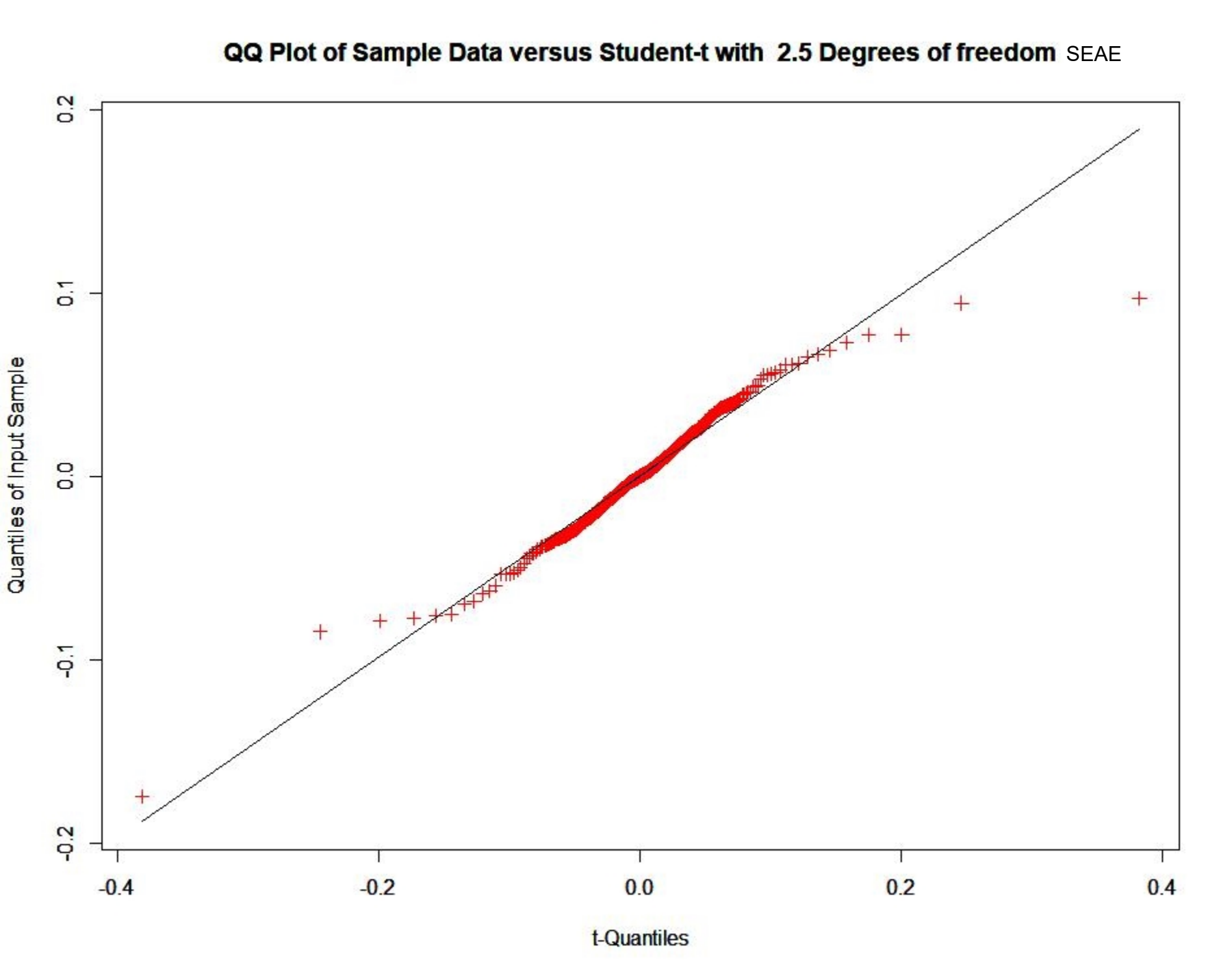

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJSU
Quantiles of Input Sample
0.1
0.0
-0.1
-0.2
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

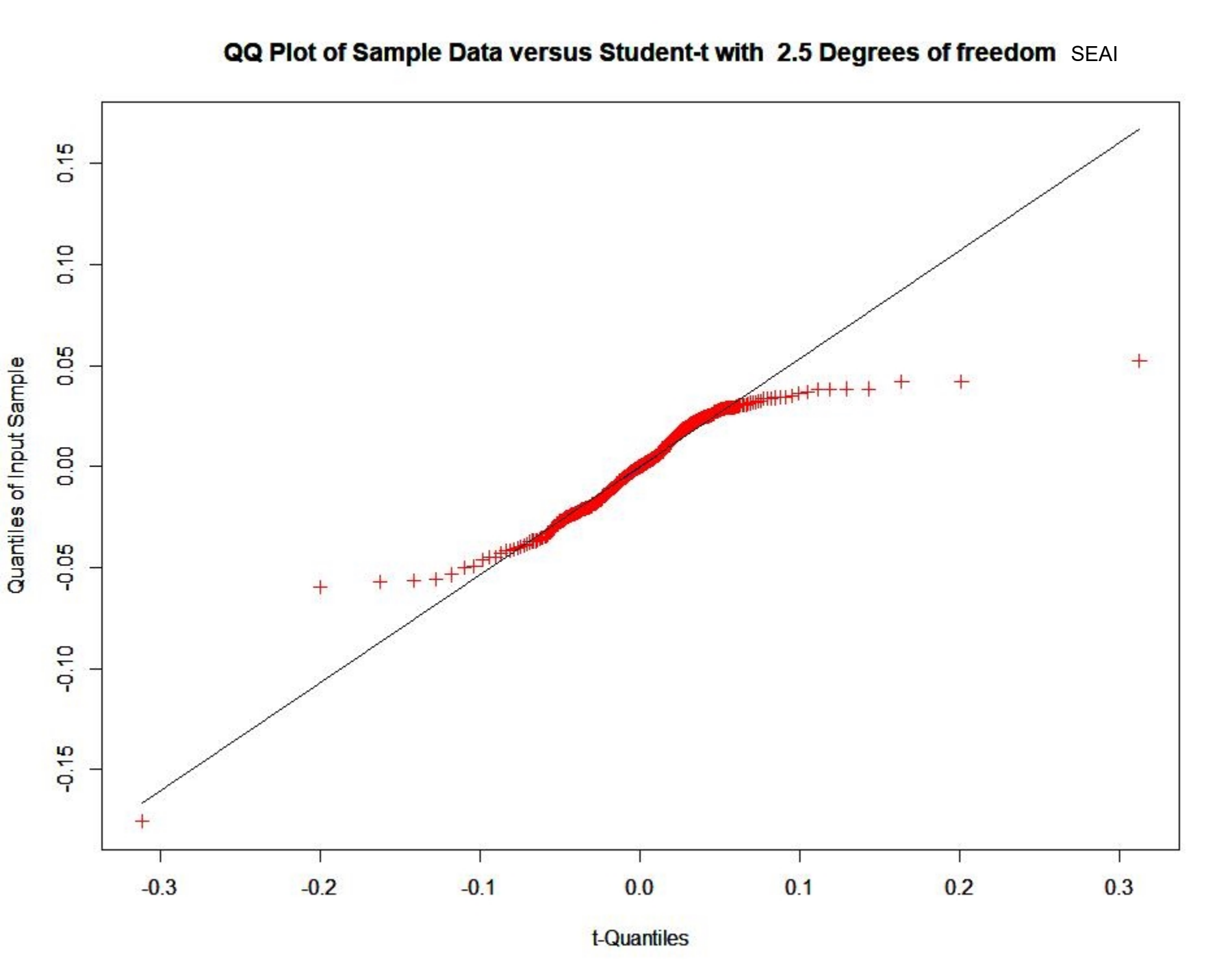

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom DJWE
Quantiles of Input Sample
0.1
0.0
-0.1
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

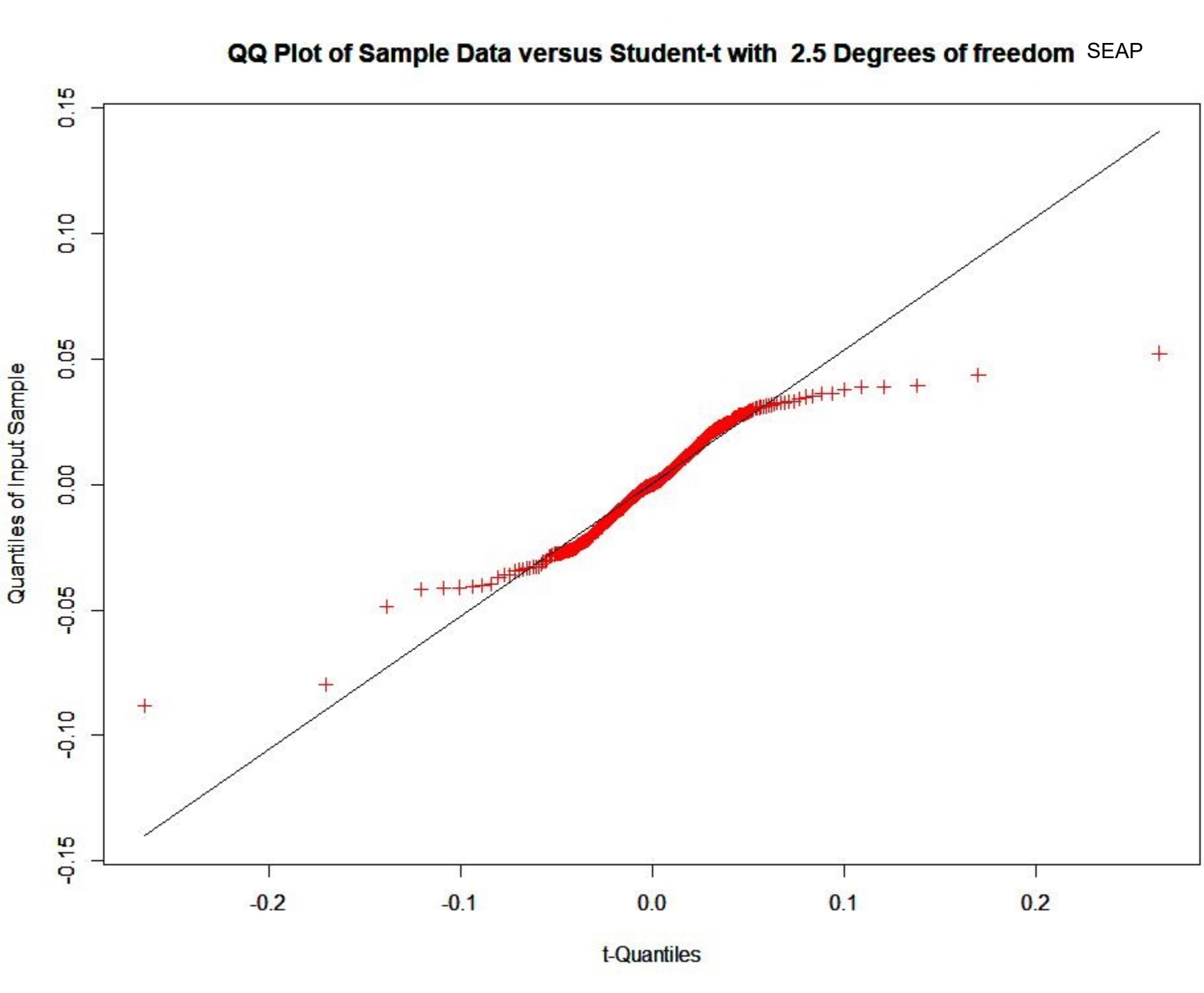

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
DJZI
Quantiles of Input Sample
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

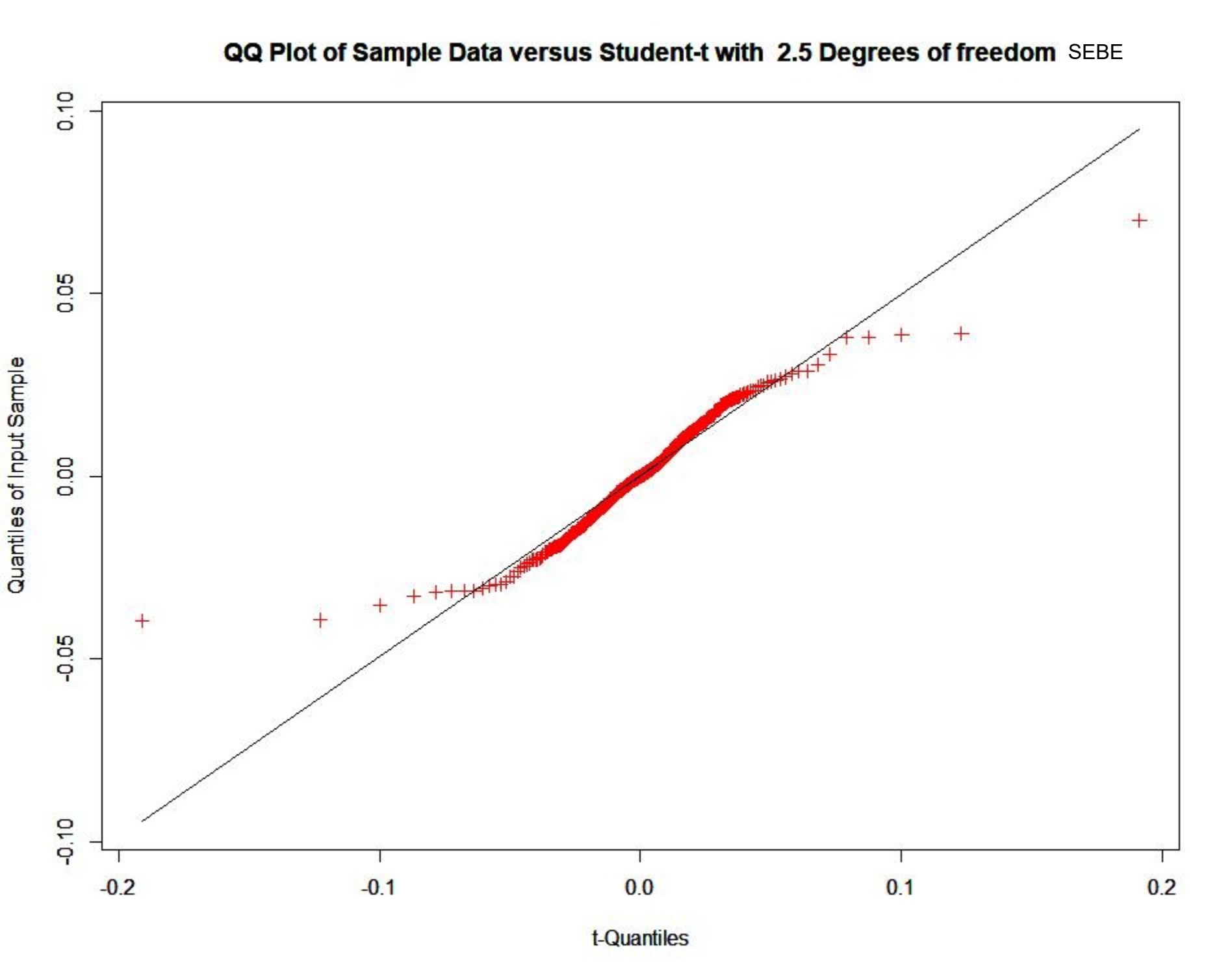

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
GREX
Quantiles of Input Sample
0.015
0.010
0.005
0.000
-0.005
-0.010
-0.03
-0.02
-0.01
0.00
0.01
0.02
0.03
t-Quantiles

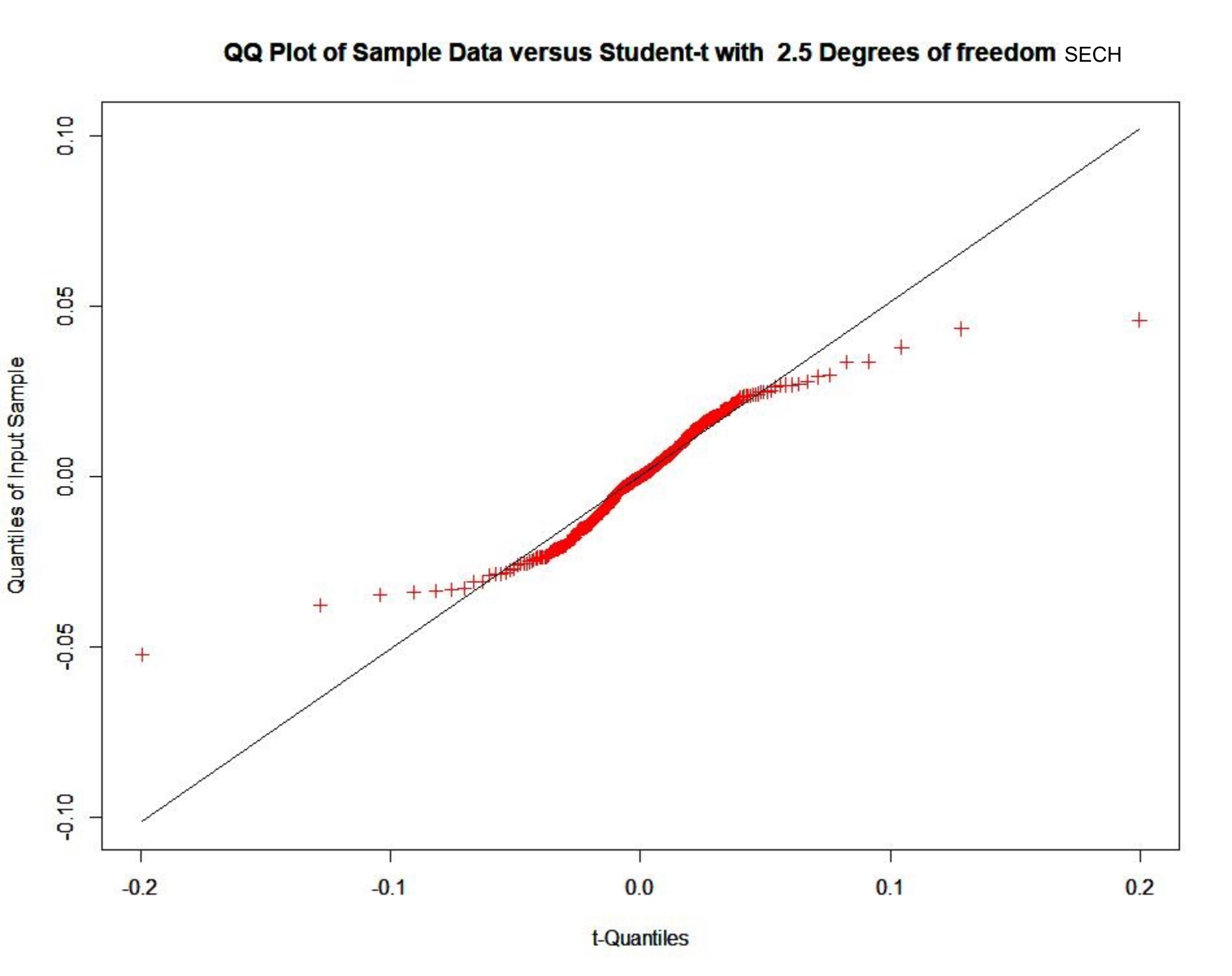

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom LITC
Quantiles of Input Sample
t-Quantiles
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5

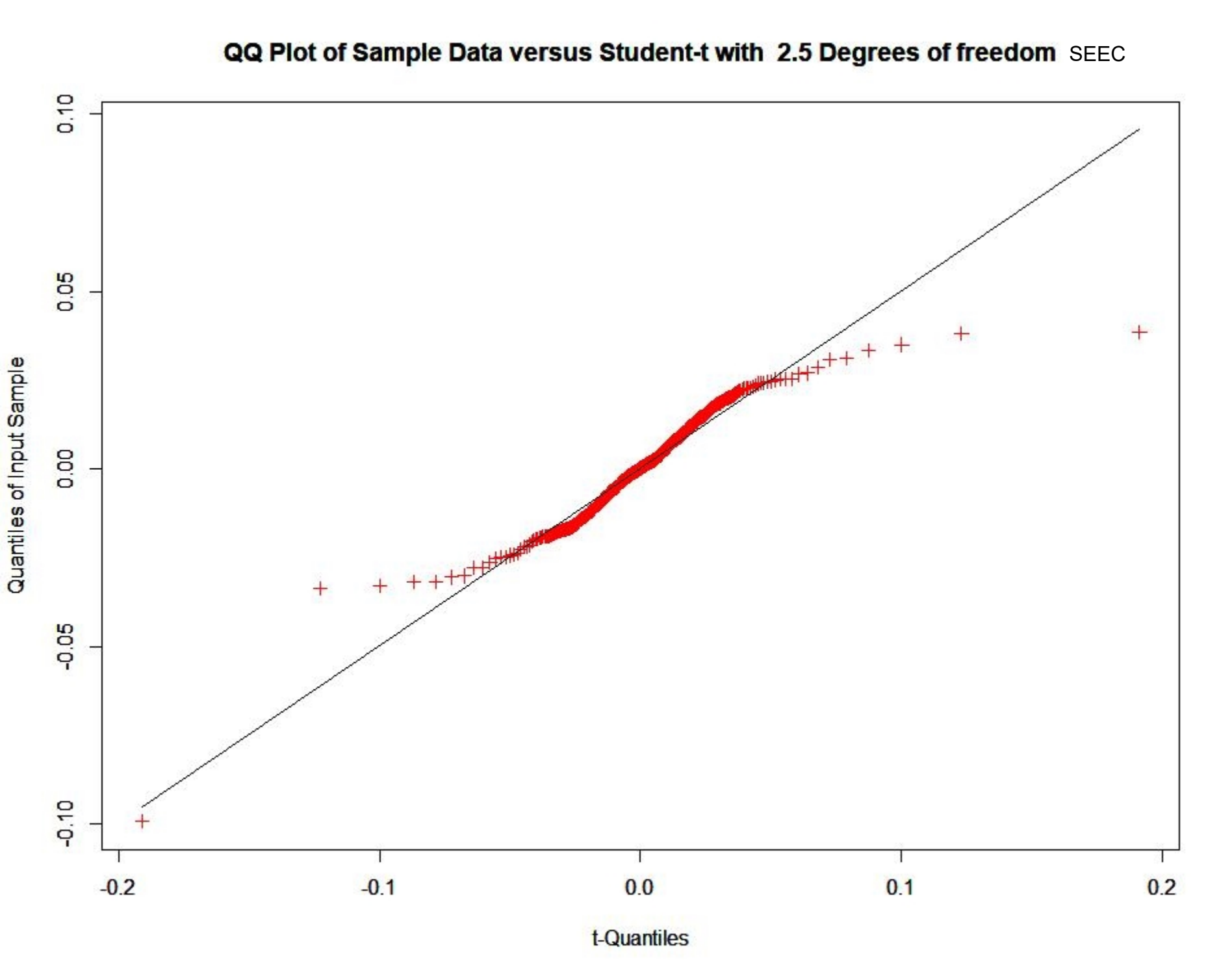

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SEAE
Quantiles of Input Sample
t-Quantiles
0.2
0.1
0.0
-0.1
-0.2
-0.4
-0.2
0.0
0.2
0.4

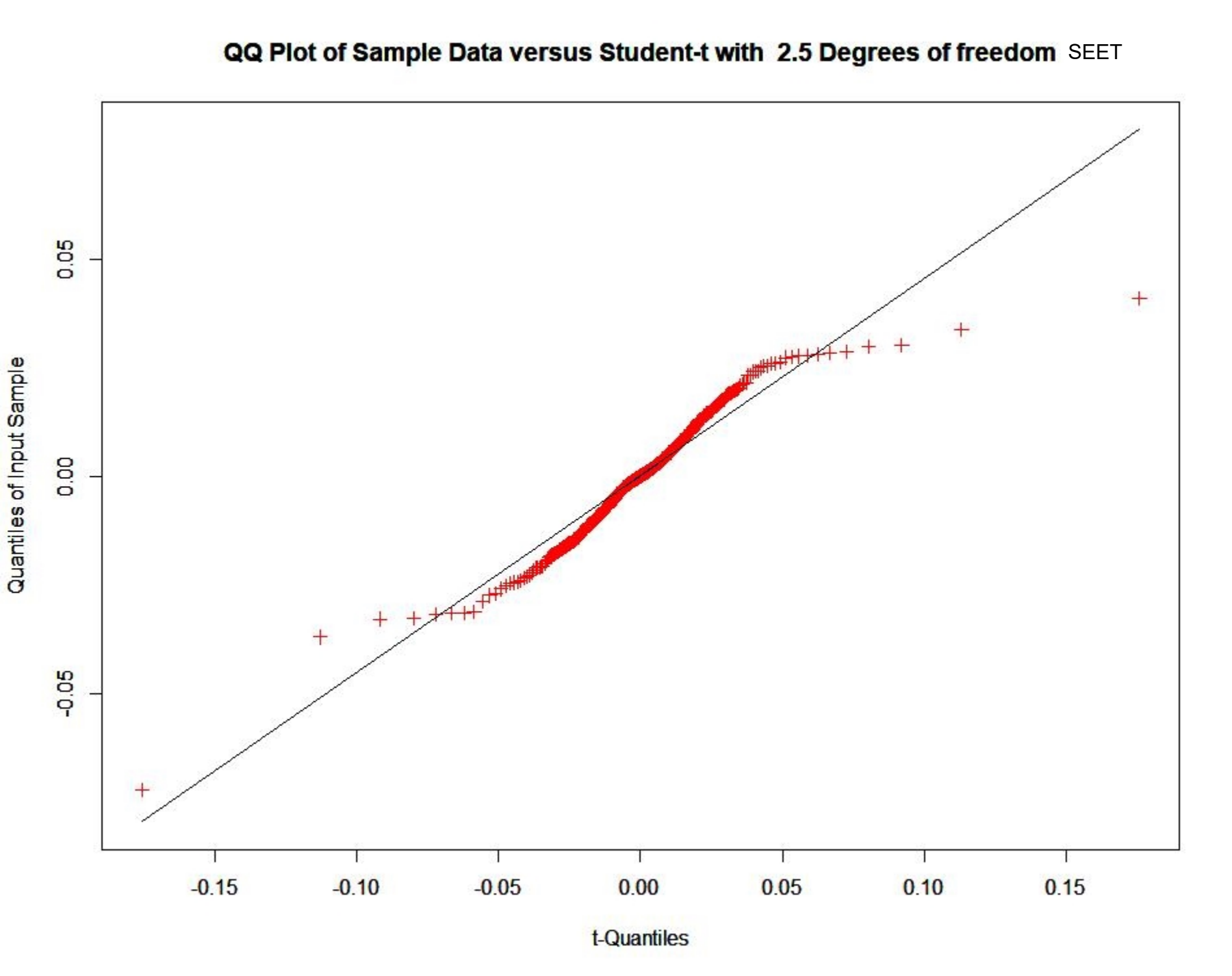

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEAI
Quantiles of Input Sample
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

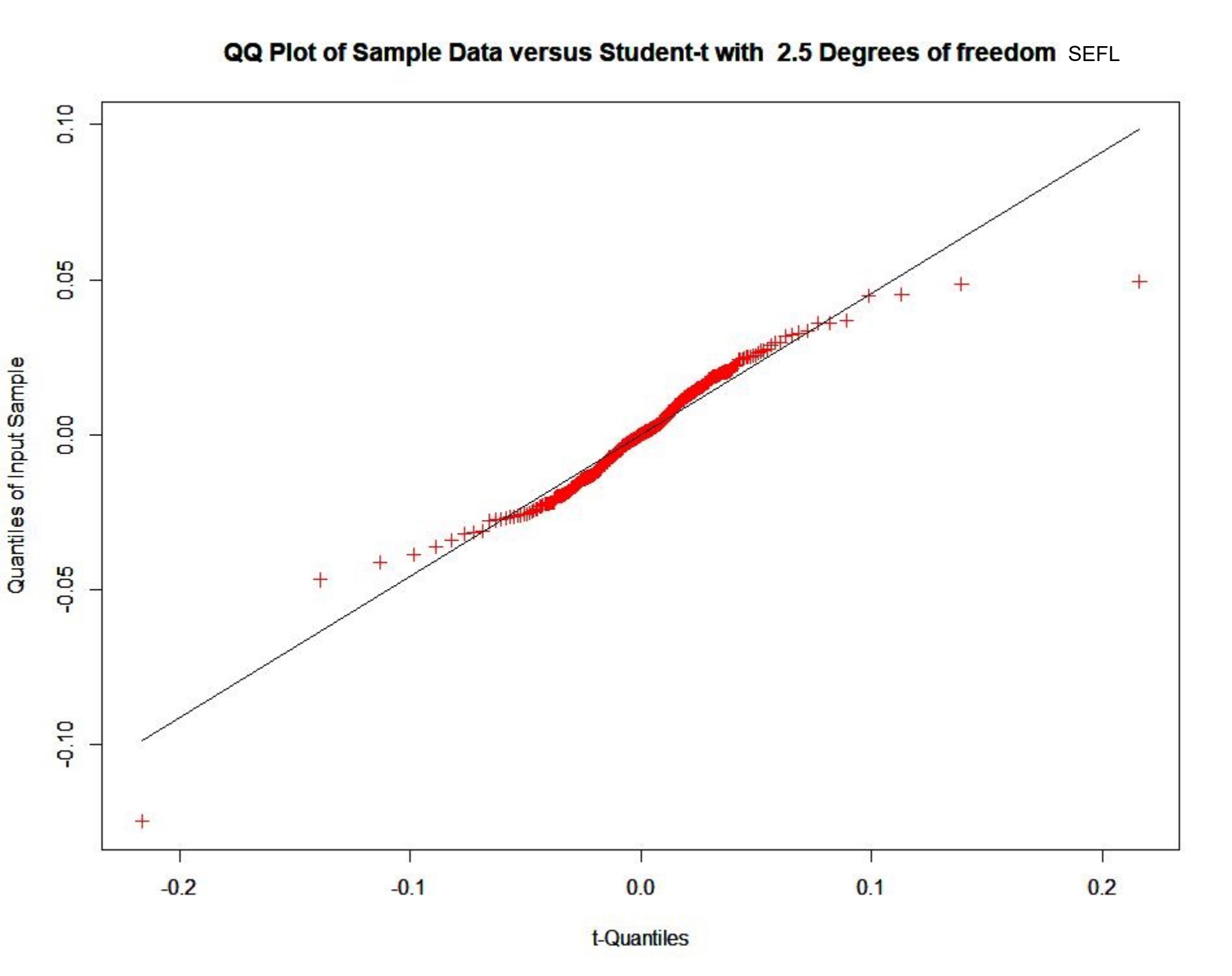

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEAP
Quantiles of Input Sample
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

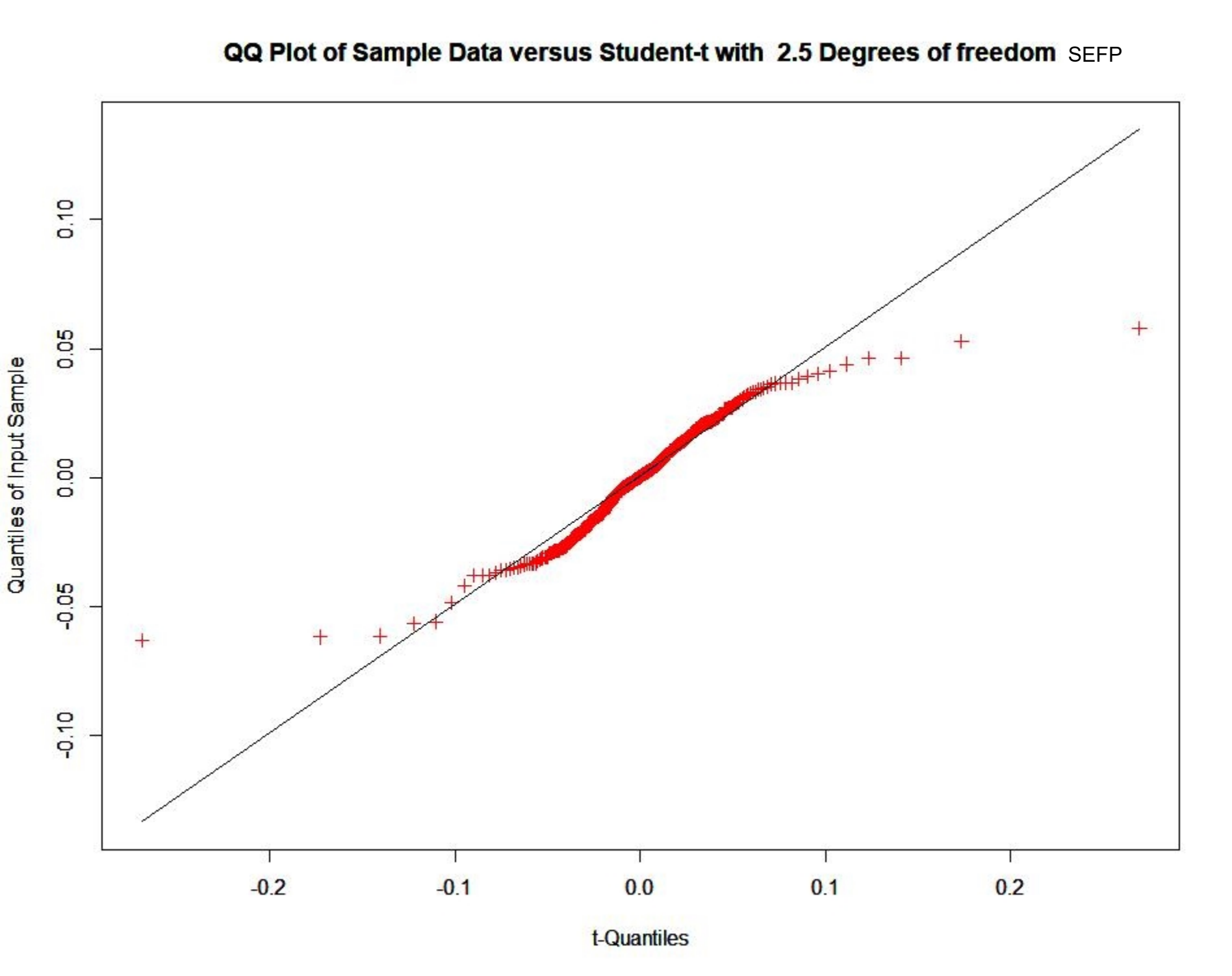

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEBE
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

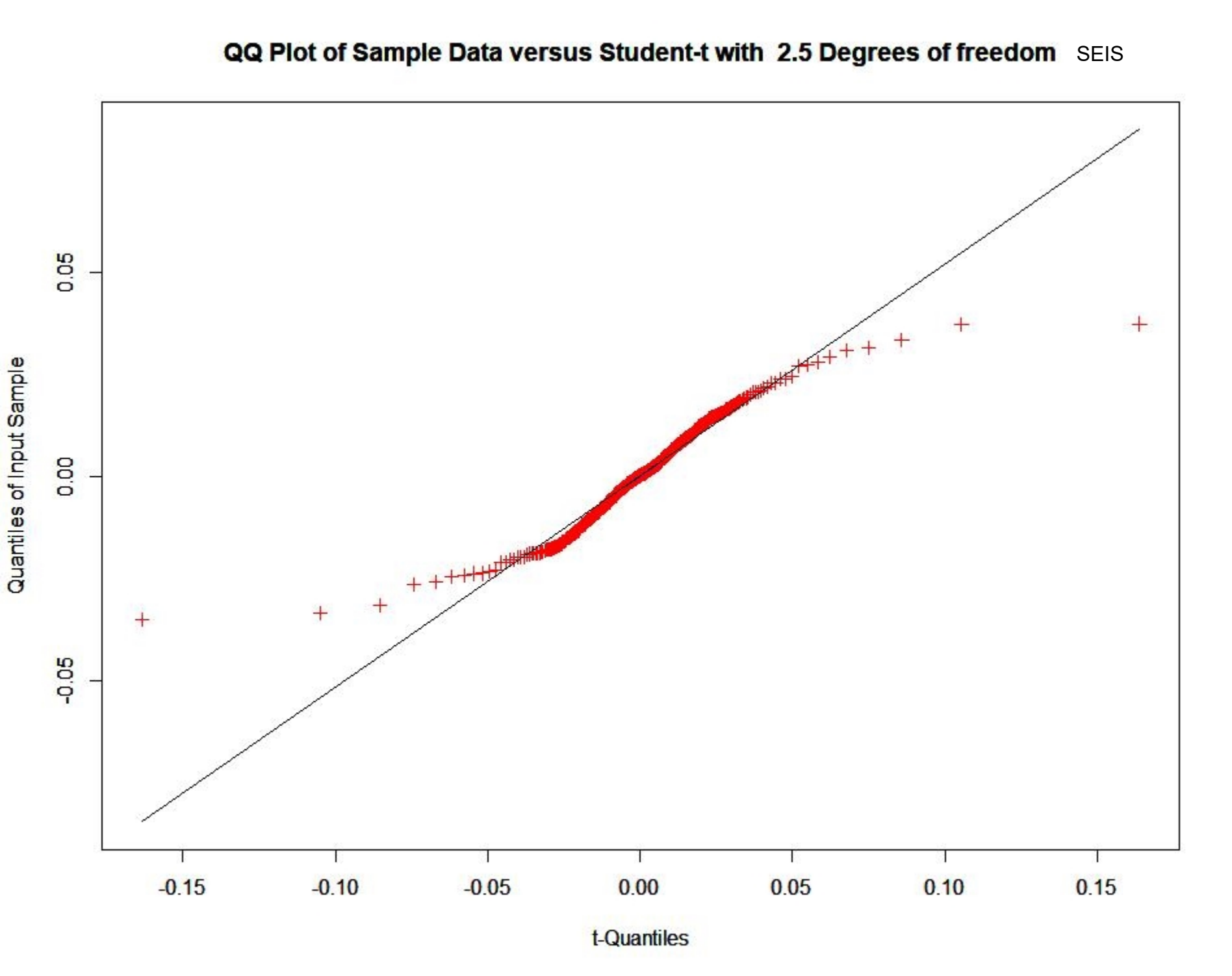

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SECH
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

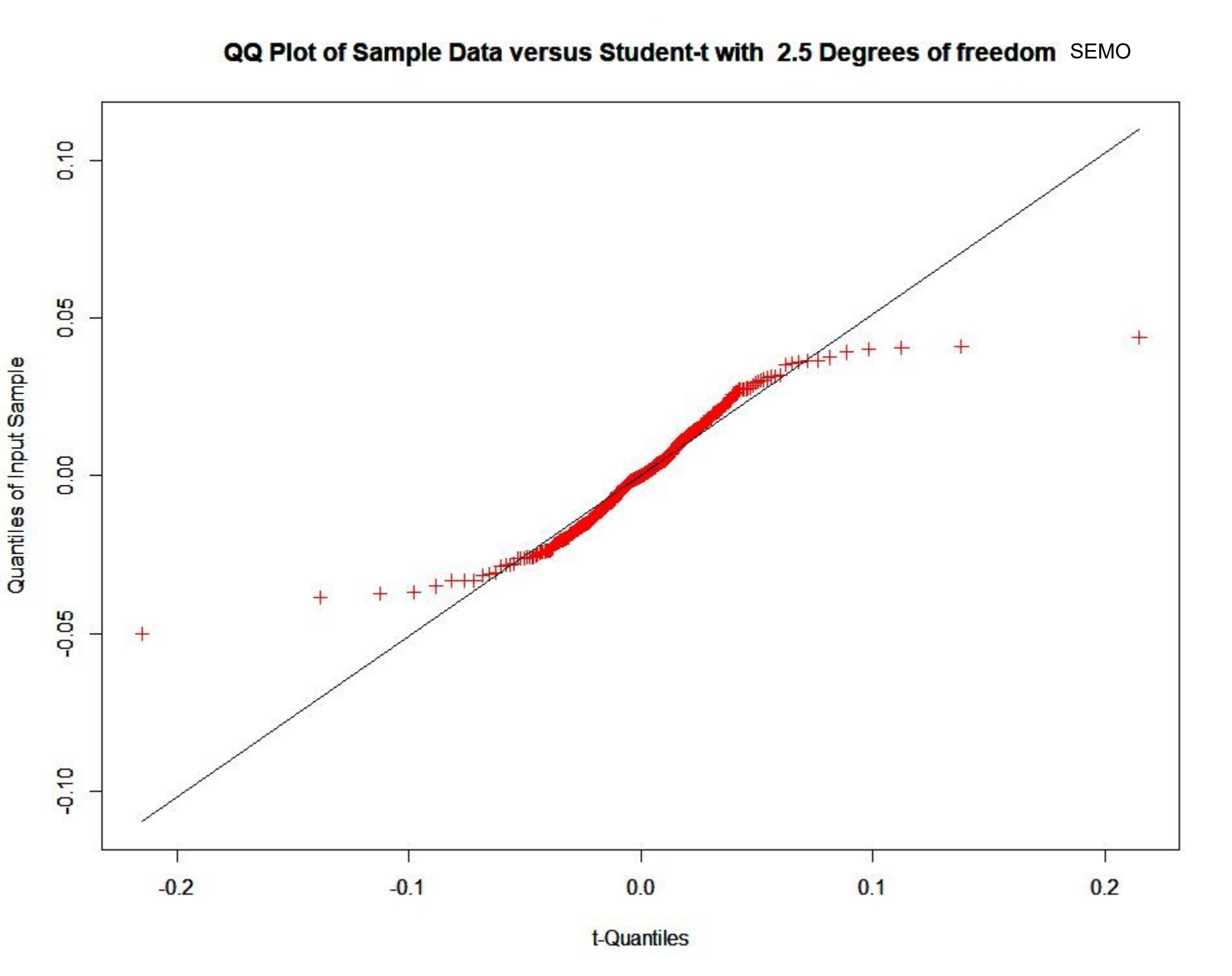

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEEC
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

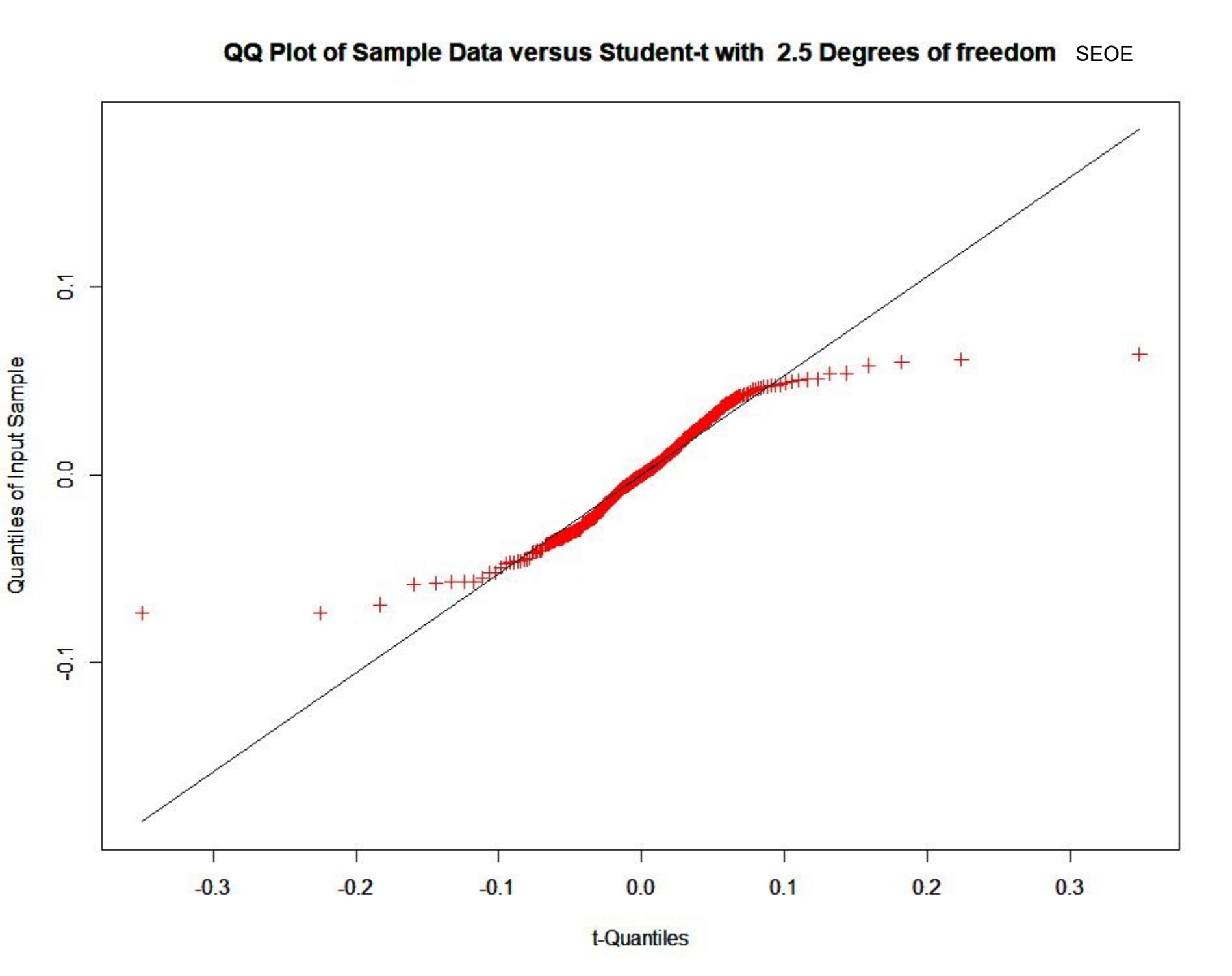

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEET
Quantiles of Input Sample
0.05
0.00
-0.05
-0.15
-0.10
-0.05
0.00
0.05
0.10
0.15
t-Quantiles

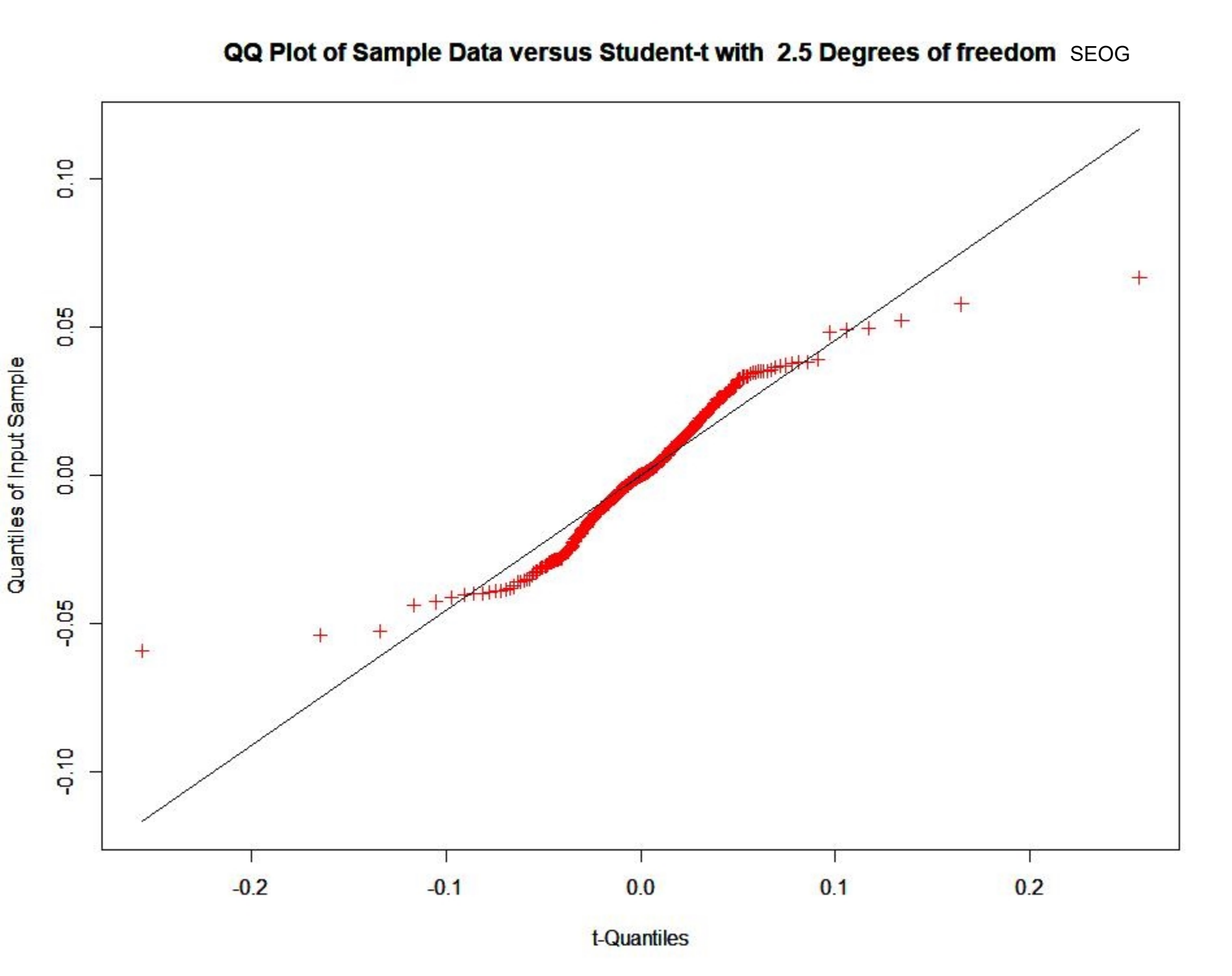

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEFL
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

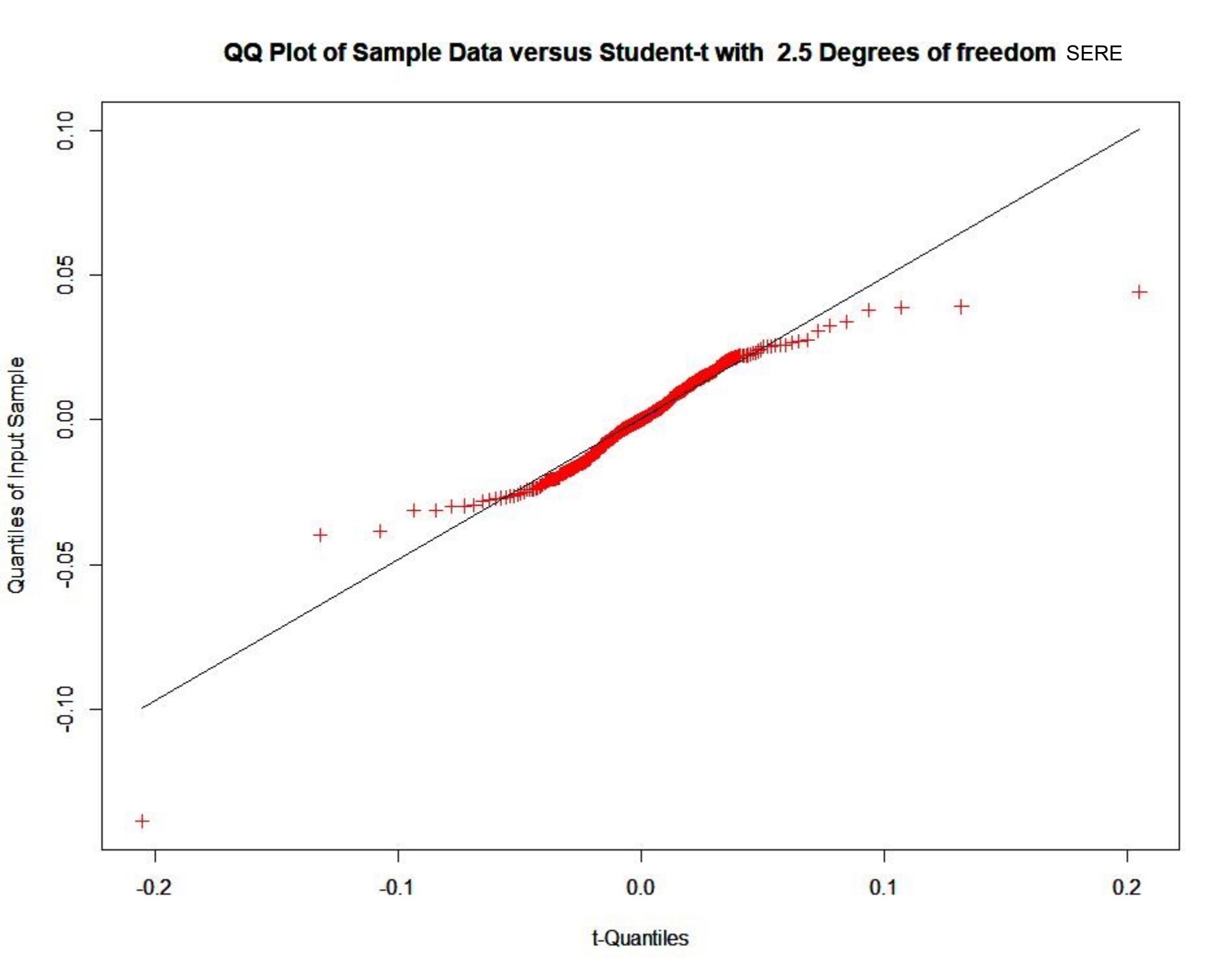

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SEFP
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

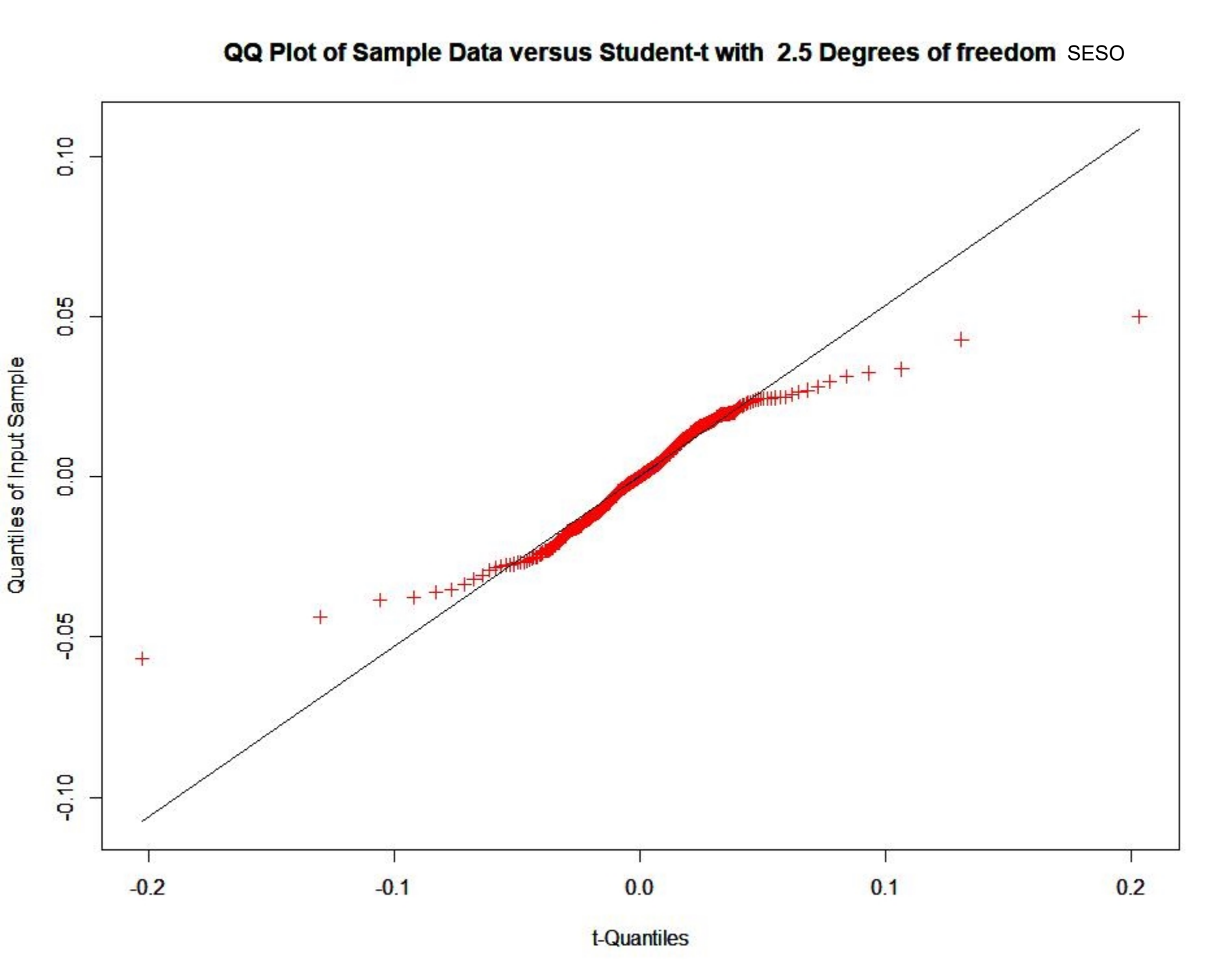

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEIS
Quantiles of Input Sample
0.05
0.00
-0.05
-0.15
-0.10
-0.05
0.00
0.05
0.10
0.15
t-Quantiles

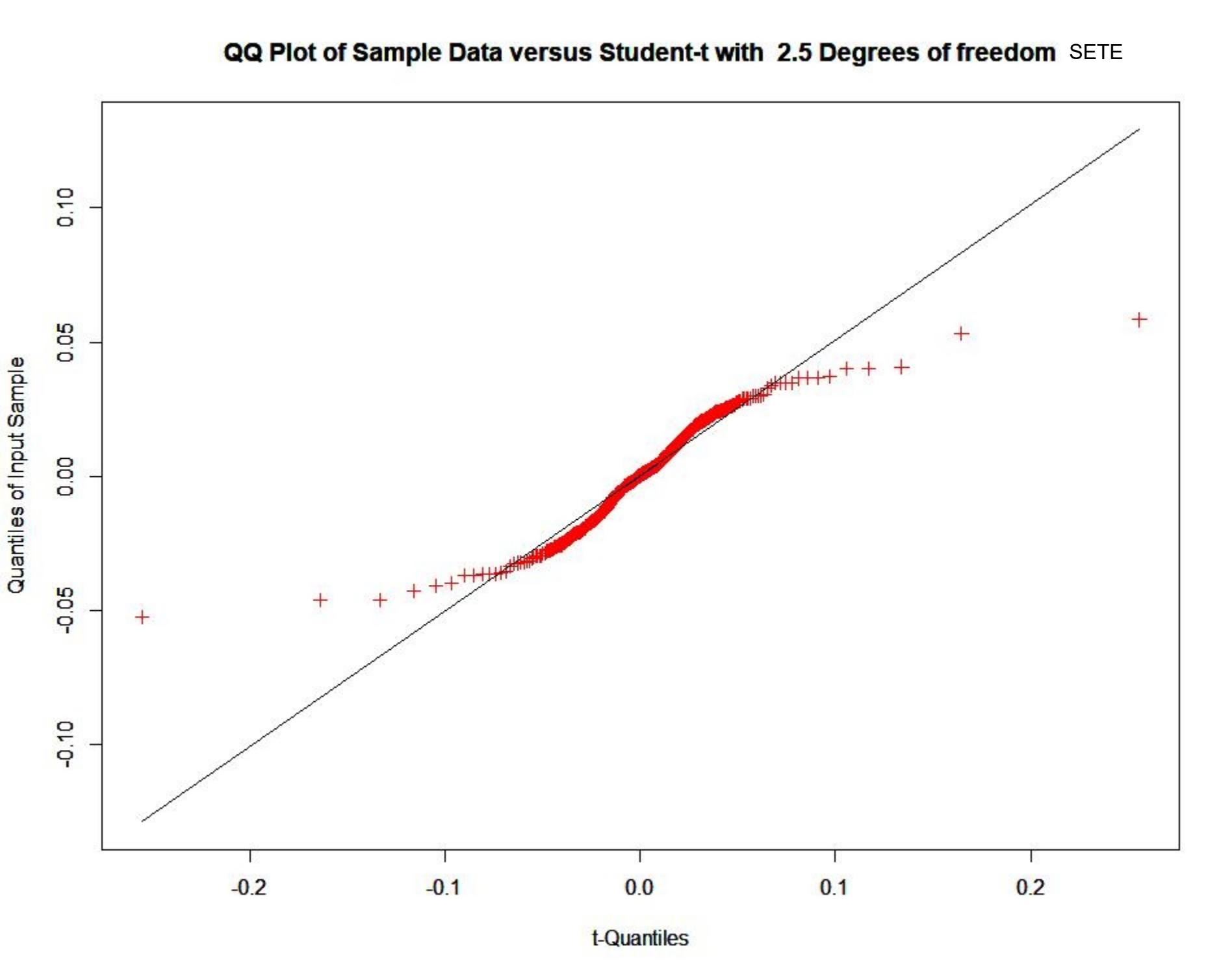

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEMO
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

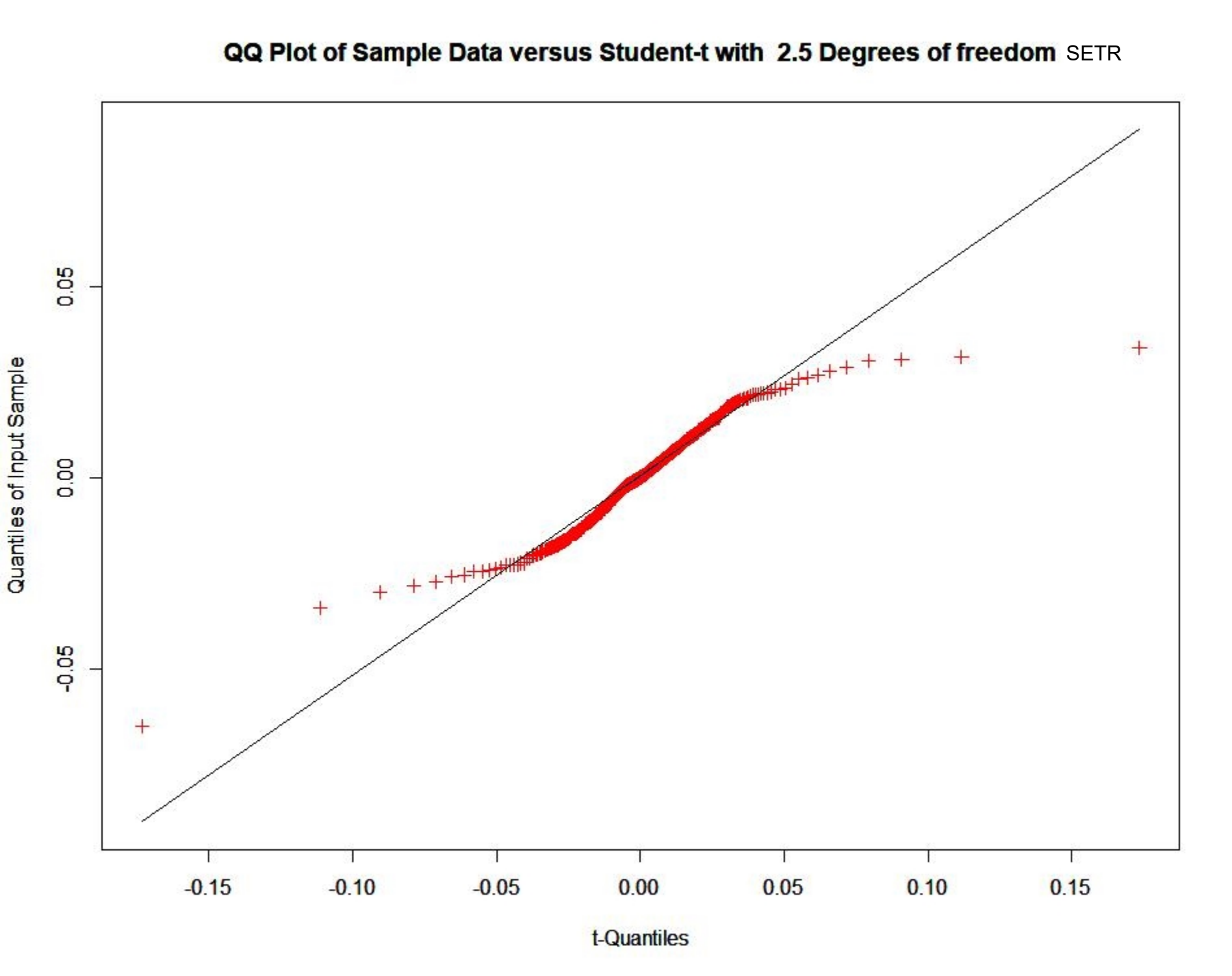

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SEOE
Quantiles of Input Sample
0.1
0.0
-0.1
-0.3
-0.2
-0.1
0.0
0.1
0.2
0.3
t-Quantiles

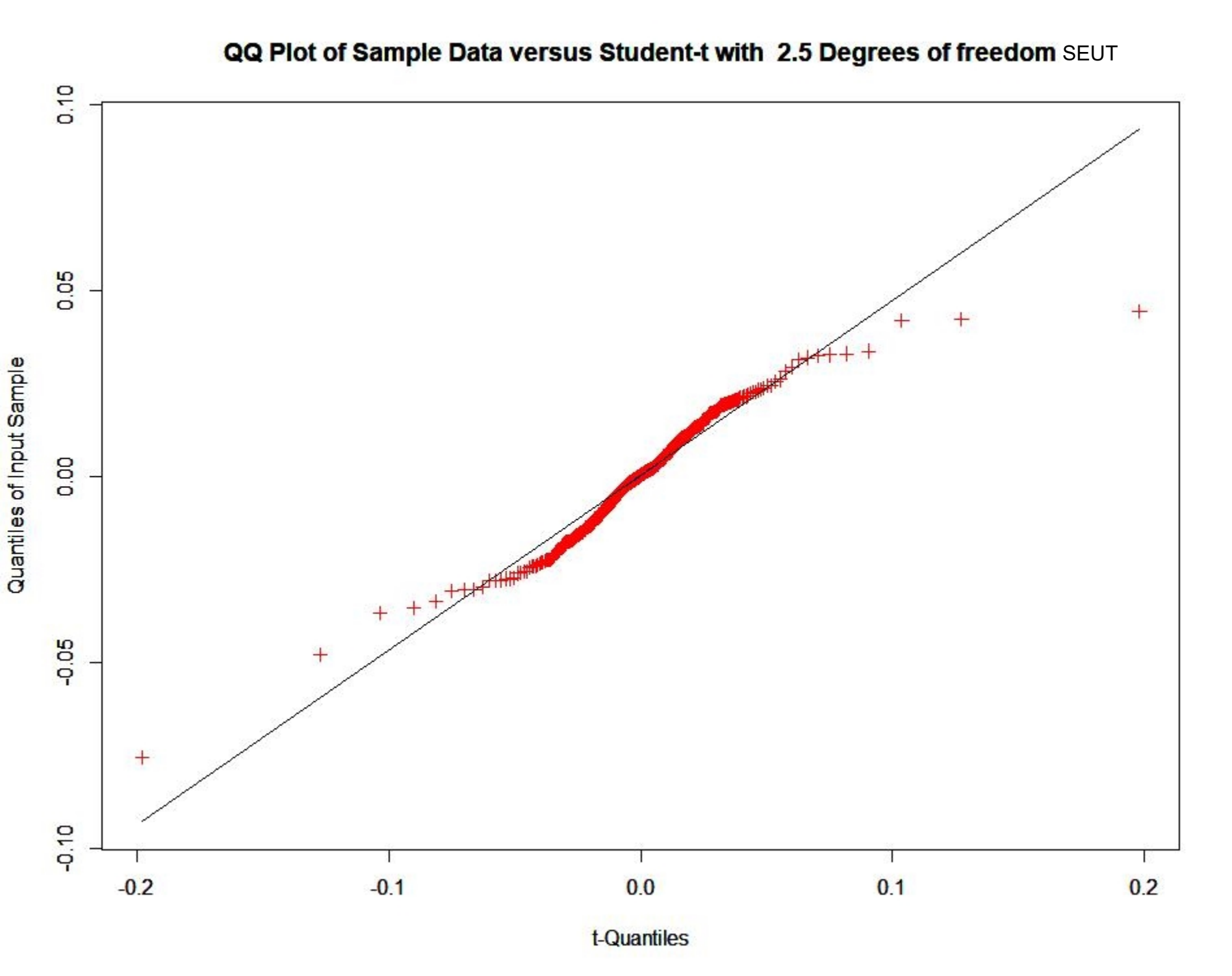

QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SEOG
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles


QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SERE
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles


QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SESO
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles


QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom
SETE
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles


QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SETR
Quantiles of Input Sample
0.05
0.00
-0.05
-0.15
-0.10
-0.05
0.00
0.05
0.10
0.15
t-Quantiles


QQ Plot of Sample Data versus Student-t with 2.5 Degrees of freedom SEUT
Quantiles of Input Sample
0.10
0.05
0.00
-0.05
-0.10
-0.2
-0.1
0.0
0.1
0.2
t-Quantiles

DIGITAL APPENDIX F

DIGITAL APPENDIX F

F_[CODE]_Chapter 4.3.2._Stationarity

```
## Tests for Stationarity of in sample Data

#Stationarity Calculation with Dickey-Fuller-Test
summary(ur.df(DJACretINSA, type=c("drift"), lag=100))
summary(ur.df(DJALretINSA, type=c("drift"), lag=100))
summary(ur.df(DJCCretINSA, type=c("drift"), lag=100))
summary(ur.df(DJCFretINSA, type=c("drift"), lag=100))
summary(ur.df(DJCPretINSA, type=c("drift"), lag=100))
summary(ur.df(DJCTretINSA, type=c("drift"), lag=100))
summary(ur.df(DJLEretINSA, type=c("drift"), lag=100))
summary(ur.df(DJGOretINSA, type=c("drift"), lag=100))
summary(ur.df(DJNIretINSA, type=c("drift"), lag=100))
summary(ur.df(DJSIretINSA, type=c("drift"), lag=100))
summary(ur.df(DJSUretINSA, type=c("drift"), lag=100))
summary(ur.df(DJWEretINSA, type=c("drift"), lag=100))
summary(ur.df(DJZIretINSA, type=c("drift"), lag=100))
summary(ur.df(DJLHretINSA, type=c("drift"), lag=100))
summary(ur.df(DJNGretINSA, type=c("drift"), lag=100))
summary(ur.df(DJPEretINSA, type=c("drift"), lag=100))
summary(ur.df(DJSOretINSA, type=c("drift"), lag=100))
summary(ur.df(SEFPretINSA, type=c("drift"), lag=100))
summary(ur.df(SEECretINSA, type=c("drift"), lag=100))
summary(ur.df(SEFLretINSA, type=c("drift"), lag=100))
summary(ur.df(SEUTretINSA, type=c("drift"), lag=100))
summary(ur.df(SETRretINSA, type=c("drift"), lag=100))
summary(ur.df(SEMOretINSA, type=c("drift"), lag=100))
summary(ur.df(SEOGretINSA, type=c("drift"), lag=100))
summary(ur.df(SEOEretINSA, type=c("drift"), lag=100))
summary(ur.df(SEAIretINSA, type=c("drift"), lag=100))
summary(ur.df(SEISretINSA, type=c("drift"), lag=100))
summary(ur.df(SEREretINSA, type=c("drift"), lag=100))
summary(ur.df(SEAEretINSA, type=c("drift"), lag=100))
summary(ur.df(SESOretINSA, type=c("drift"), lag=100))
summary(ur.df(SETEretINSA, type=c("drift"), lag=100))
summary(ur.df(SEBEretINSA, type=c("drift"), lag=100))
summary(ur.df(SEETretINSA, type=c("drift"), lag=100))
summary(ur.df(SECHretINSA, type=c("drift"), lag=100))
summary(ur.df(SEAPretINSA, type=c("drift"), lag=100))
summary(ur.df(BITCretINSA, type=c("drift"), lag=100))
summary(ur.df(LITCretINSA, type=c("drift"), lag=100))
summary(ur.df(GREXretINSA, type=c("drift"), lag=100))
summary(ur.df(DAXPretINSA, type=c("drift"), lag=100))

#Stationarity Calculation with KPSS-Test short lag parameter
summary(ur.kpss(DJACretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJALretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJCCretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJCFretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJCPretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJCTretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJLEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJGOretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJNIretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJSIretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJSUretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJWEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJZIretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJLHretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJNGretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJPEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DJSOretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEFPretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEECretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEFLretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEUTretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SETRretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEMOretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEOGretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEOEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEAIretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEISretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEREretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEAEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SESOretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SETEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEBEretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEETretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SECHretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(SEAPretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(BITCretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(LITCretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(GREXretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(DAXPretINSA, type=c("mu"), lags=c("short")))

#Stationarity Calculation with KPSS-Test long lag parameter
summary(ur.kpss(DJACretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJALretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJCCretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJCFretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJCPretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJCTretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJLEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJGOretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJNIretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJSIretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJSUretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJWEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJZIretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJLHretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJNGretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJPEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DJSOretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEFPretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEECretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEFLretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEUTretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SETRretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEMOretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEOGretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEOEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEAIretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEISretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEREretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEAEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SESOretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SETEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEBEretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEETretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SECHretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(SEAPretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(BITCretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(LITCretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(GREXretINSA, type=c("mu"), lags=c("long")))
summary(ur.kpss(DAXPretINSA, type=c("mu"), lags=c("long")))

#Stationarity Calculation with PP-Test short lag parameter
summary(ur.pp(DJACretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJALretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJCCretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJCFretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJCPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJCTretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJLEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJGOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJNIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJSIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJSUretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJWEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJZIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJLHretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJNGretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJPEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DJSOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEFPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEECretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEFLretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEUTretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SETRretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEMOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEOGretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEOEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEAIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEISretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEREretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEAEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SESOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SETEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEBEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEETretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SECHretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(SEAPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(BITCretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(LITCretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(GREXretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(DAXPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))

#Stationarity Calculation with PP-Test long lag parameter
summary(ur.pp(DJACretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJALretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
```

```
summary(ur.pp(DJCCretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJCFretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJCPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJCTretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJLEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJGOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJNIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJSIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJSUretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJWEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJZIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJLHretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJNGretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJPEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DJSOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEFPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEECretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEFLretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEUTretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SETRretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEMOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEOGretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEOEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEAIretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEISretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEREretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEAFretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SESOretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SETEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEBEretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEETretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SECHretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(SEAPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(BITCretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(LITCretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(GREXretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
summary(ur.pp(DAXPretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
```

DIGITAL APPENDIX F

F_[RESULTS]_Chapter 4.3.2._Stationarity

ADF					
Dataset In-Sample	Value of test statistics:	0.01	0.05	0.1	Result
All Cattle	-4.6464	-3.43	-2.86	-2.57	reject
Aluminium	-4.6019	-3.43	-2.86	-2.57	reject
Cocoa	-5.096	-3.43	-2.86	-2.57	reject
Coffee	-4.181	-3.43	-2.86	-2.57	reject
Copper	-4.8294	-3.43	-2.86	-2.57	reject
Cotton	-3.7517	-3.43	-2.86	-2.57	reject
Lead	-4.8162	-3.43	-2.86	-2.57	reject
Gold	-5.1605	-3.43	-2.86	-2.57	reject
Nickel	-3.5266	-3.43	-2.86	-2.57	reject
Silver	-4.8816	-3.43	-2.86	-2.57	reject
Sugar	-3.9167	-3.43	-2.86	-2.57	reject
Wheat	-4.7445	-3.43	-2.86	-2.57	reject
Zinc	-3.9076	-3.43	-2.86	-2.57	reject
Lean Hogs	-3.8951	-3.43	-2.86	-2.57	reject
Natural Gas	-4.1414	-3.43	-2.86	-2.57	reject
Petroleum	-4.3263	-3.43	-2.86	-2.57	reject
Soybeans	-4.1624	-3.43	-2.86	-2.57	reject
Forest and Paper	-5.0163	-3.43	-2.86	-2.57	reject
Electricity	-4.0854	-3.43	-2.86	-2.57	reject
Fixed Line Communication	-3.8865	-3.43	-2.86	-2.57	reject
Gas, Water and Multiutilities	-4.2694	-3.43	-2.86	-2.57	reject
Industrial Transportation	-4.3926	-3.43	-2.86	-2.57	reject
Mobile Telecommunication	-4.1183	-3.43	-2.86	-2.57	reject
Oil and Gas Producers	-5.0744	-3.43	-2.86	-2.57	reject
Oil, Equipment Services and Distribution	-4.3055	-3.43	-2.86	-2.57	reject
Airlines	-3.1556	-3.43	-2.86	-2.57	reject
Real Estate Investment and Services	-4.48	-3.43	-2.86	-2.57	reject
REITS	-4.3065	-3.43	-2.86	-2.57	reject
Alternative Energy	-3.8178	-3.43	-2.86	-2.57	reject
Software and Computer Services	-4.6347	-3.43	-2.86	-2.57	reject
Technological Equipment and Hardware	-4.265	-3.43	-2.86	-2.57	reject
Beverages	-4.6465	-3.43	-2.86	-2.57	reject
Europe Total Market	-4.3899	-3.43	-2.86	-2.57	reject
Chemicals	-5.0389	-3.43	-2.86	-2.57	reject
Auto and Parts	-4.4561	-3.43	-2.86	-2.57	reject
Bitcoin	-3.6407	-3.43	-2.86	-2.57	reject
Litecoin	-3.6313	-3.43	-2.86	-2.57	reject
REX	-3.9768	-3.43	-2.86	-2.57	reject
DAXsubsector All Private Equity & Venture Capital	-4.4108	-3.43	-2.86	-2.57	reject

Philipp and Perron							
Dataset In-Sample	Value of test-statisticcs	Value of test-statistic	0.01	0.05	0.1	Result short	Result long
All Cattle	-38.0057	-37.7239	-3.437625	-2.863981	-2.568088	reject	reject
Aluminium	-41.114	-40.8499	-3.437625	-2.863981	-2.568088	reject	reject
Cocoa	-40.8781	-40.9184	-3.437625	-2.863981	-2.568088	reject	reject
Coffee	-41.6202	-41.4308	-3.437625	-2.863981	-2.568088	reject	reject
Copper	-43.332	-43.3787	-3.437625	-2.863981	-2.568088	reject	reject
Cotton	-38.7927	-38.6979	-3.437625	-2.863981	-2.568088	reject	reject
Lead	-41.3512	-41.3557	-3.437625	-2.863981	-2.568088	reject	reject
Gold	-41.1724	-41.1982	-3.437625	-2.863981	-2.568088	reject	reject
Nickel	-40.9352	-40.938	-3.437625	-2.863981	-2.568088	reject	reject
Silver	-42.5482	-42.5274	-3.437625	-2.863981	-2.568088	reject	reject
Sugar	-39.4501	-39.4867	-3.437625	-2.863981	-2.568088	reject	reject
Wheat	-38.0907	-37.9402	-3.437625	-2.863981	-2.568088	reject	reject
Zinc	-42.4474	-42.4464	-3.437625	-2.863981	-2.568088	reject	reject
Lean Hogs	-37.0898	-38.278	-3.437625	-2.863981	-2.568088	reject	reject
Natural Gas	-40.486	-40.3353	-3.437625	-2.863981	-2.568088	reject	reject
Petroleum	-42.5239	-42.7176	-3.437625	-2.863981	-2.568088	reject	reject
Soybeans	-40.6559	-40.8946	-3.437625	-2.863981	-2.568088	reject	reject
Forest and Paper	-38.3945	-38.2869	-3.437625	-2.863981	-2.568088	reject	reject
Electricity	-40.4535	-40.6323	-3.437625	-2.863981	-2.568088	reject	reject
Fixed Line Communication	-40.0026	-40.0057	-3.437625	-2.863981	-2.568088	reject	reject
Gas, Water and Multiutilities	-39.3371	-39.5175	-3.437625	-2.863981	-2.568088	reject	reject
Industrial Transportation	-38.7387	-38.6125	-3.437625	-2.863981	-2.568088	reject	reject
Mobile Telecommunication	-40.0491	-39.9643	-3.437625	-2.863981	-2.568088	reject	reject
Oil and Gas Producers	-38.0845	-37.9696	-3.437625	-2.863981	-2.568088	reject	reject
Oil, Equipment Services and Distribution	-38.1007	-37.9925	-3.437625	-2.863981	-2.568088	reject	reject
Airlines	-38.7149	-38.7024	-3.437625	-2.863981	-2.568088	reject	reject
Real Estate Investment and Services	-37.611	-37.4573	-3.437625	-2.863981	-2.568088	reject	reject
REITS	-38.6021	-38.6609	-3.437625	-2.863981	-2.568088	reject	reject
Alternative Energy	-40.2538	-40.2312	-3.437625	-2.863981	-2.568088	reject	reject
Software and Computer Services	-40.8093	-40.7355	-3.437625	-2.863981	-2.568088	reject	reject
Technological Equipment and Hardware	-40.3278	-40.2883	-3.437625	-2.863981	-2.568088	reject	reject
Beverages	-38.7426	-38.5883	-3.437625	-2.863981	-2.568088	reject	reject
Europe Total Market	-39.7528	-39.8293	-3.437625	-2.863981	-2.568088	reject	reject
Chemicals	-40.522	-40.455	-3.437625	-2.863981	-2.568088	reject	reject
Auto and Parts	-39.0514	-38.8338	-3.437625	-2.863981	-2.568088	reject	reject
Bitcoin	-40.384	-40.4306	-3.437625	-2.863981	-2.568088	reject	reject
Litecoin	-41.786	-42.0105	-3.437625	-2.863981	-2.568088	reject	reject
REX	-43.1339	-43.428	-3.437625	-2.863981	-2.568088	reject	reject
DAXsubsector All Private Equity & Venture Capital	-43.1149	-43.1193	-3.437625	-2.863981	-2.568088	reject	reject

KPSS							
Dataset In-Sample	Value of test statistic short lag parameter (number of parameters = 8)	Value of test statistic short lag parameter (number of parameters = 24)	0.01	0.05	0.1	Result Short	Result Long
All Cattle	0.1003	0.1131	0.739	0.463	0.347	accept	accept
Aluminium	0.0998	0.1161	0.739	0.463	0.347	accept	accept
Cocoa	0.1042	0.1003	0.739	0.463	0.347	accept	accept
Coffee	0.1727	0.1906	0.739	0.463	0.347	accept	accept
Copper	0.1995	0.188	0.739	0.463	0.347	accept	accept
Cotton	0.2294	0.2348	0.739	0.463	0.347	accept	accept
Lead	0.0695	0.0756	0.739	0.463	0.347	accept	accept
Gold	0.0453	0.0443	0.739	0.463	0.347	accept	accept
Nickel	0.1629	0.1596	0.739	0.463	0.347	accept	accept
Silver	0.0562	0.0584	0.739	0.463	0.347	accept	accept
Sugar	0.1404	0.1358	0.739	0.463	0.347	accept	accept
Wheat	0.1448	0.1529	0.739	0.463	0.347	accept	accept
Zinc	0.1465	0.1499	0.739	0.463	0.347	accept	accept
Lean Hogs	0.0806	0.0651	0.739	0.463	0.347	accept	accept
Natural Gas	0.0631	0.074	0.739	0.463	0.347	accept	accept
Petroleum	0.4659	0.4156	0.739	0.463	0.347	accept	accept
Soybeans	0.0801	0.0717	0.739	0.463	0.347	accept	accept
Forest and Paper	0.0308	0.0351	0.739	0.463	0.347	accept	accept
Electricity	0.0753	0.0991	0.739	0.463	0.347	accept	accept
Fixed Line Communication	0.3097	0.349	0.739	0.463	0.347	accept	accept
Gas, Water and Multiutilities	0.0511	0.0671	0.739	0.463	0.347	accept	accept
Industrial Transportation	0.0678	0.0776	0.739	0.463	0.347	accept	accept
Mobile Telecommunication	0.1313	0.1637	0.739	0.463	0.347	accept	accept
Oil and Gas Producers	0.0675	0.0784	0.739	0.463	0.347	accept	accept
Oil, Equipment Services and Distribution	0.1972	0.2082	0.739	0.463	0.347	accept	accept
Airlines	0.0855	0.1017	0.739	0.463	0.347	accept	accept
Real Estate Investment and Services	0.0377	0.045	0.739	0.463	0.347	accept	accept
REITS	0.1833	0.2157	0.739	0.463	0.347	accept	accept
Alternative Energy	0.2103	0.2156	0.739	0.463	0.347	accept	accept
Software and Computer Services	0.0327	0.0348	0.739	0.463	0.347	accept	accept
Technological Equipment and Hardware	0.0467	0.0564	0.739	0.463	0.347	accept	accept
Beverages	0.0545	0.0633	0.739	0.463	0.347	accept	accept
Europe Total Market	0.0459	0.0589	0.739	0.463	0.347	accept	accept
Chemicals	0.0421	0.0476	0.739	0.463	0.347	accept	accept
Auto and Parts	0.0659	0.0757	0.739	0.463	0.347	accept	accept
Bitcoin	0.0933	0.0869	0.739	0.463	0.347	accept	accept
Litecoin	0.1263	0.11	0.739	0.463	0.347	accept	accept
REX	0.1964	0.228	0.739	0.463	0.347	accept	accept
DAXsubsector All Private Equity & Venture Capital	0.0903	0.0912	0.739	0.463	0.347	accept	accept

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G_[CODE]_Chapter 4.3.7._ACF and PACF of the Time Series

```
#ACF and PACF of Returns
par(mfrow=c(2,1))
Acf(datDJACretINSA$rev.DJACretINSA, lag.max=20, main="ACF of All Cattle using Approx. In-Sample Data")
Pacf(datDJACretINSA$rev.DJACretINSA, lag.max=20, main="PACF of All Cattle using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJACretINSA.jpeg", type="jpeg")
Acf(datDJALretINSA$rev.DJALretINSA, lag.max=20, main="ACF of Aluminium using Approx. In-Sample Data")
Pacf(datDJALretINSA$rev.DJALretINSA, lag.max=20, main="PACF of Aluminium using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJALretINSA.jpeg", type="jpeg")
Acf(datDJCCretINSA$rev.DJCCretINSA, lag.max=20, main="ACF of Cocoa using Approx. In-Sample Data")
Pacf(datDJCCretINSA$rev.DJCCretINSA, lag.max=20, main="PACF of Cocoa using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJCCretINSA.jpeg", type="jpeg")
Acf(datDJCFretINSA$rev.DJCFretINSA, lag.max=20, main="ACF of Coffee using Approx. In-Sample Data")
Pacf(datDJCFretINSA$rev.DJCFretINSA, lag.max=20, main="PACF of Coffee using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJCFretINSA.jpeg", type="jpeg")
Acf(datDJCPretINSA$rev.DJCPretINSA, lag.max=20, main="ACF of Copper using Approx. In-Sample Data")
Pacf(datDJCPretINSA$rev.DJCPretINSA, lag.max=20, main="PACF of Copper using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJCPretINSA.jpeg", type="jpeg")
Acf(datDJCTretINSA$rev.DJCTretINSA, lag.max=20, main="ACF of Cotton using Approx. In-Sample Data")
Pacf(datDJCTretINSA$rev.DJCTretINSA, lag.max=20, main="PACF of Cotton using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJCTretINSA.jpeg", type="jpeg")
Acf(datDJLEretINSA$rev.DJLEretINSA, lag.max=20, main="ACF of Lead using Approx. In-Sample Data")
Pacf(datDJLEretINSA$rev.DJLEretINSA, lag.max=20, main="PACF of Lead using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJLEretINSA.jpeg", type="jpeg")
Acf(datDJGOretINSA$rev.DJGOretINSA, lag.max=20, main="ACF of Gold using Approx. In-Sample Data")
Pacf(datDJGOretINSA$rev.DJGOretINSA, lag.max=20, main="PACF of Gold using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJGOretINSA.jpeg", type="jpeg")
Acf(datDJNIretINSA$rev.DJNIretINSA, lag.max=20, main="ACF of Nickel using Approx. In-Sample Data")
Pacf(datDJNIretINSA$rev.DJNIretINSA, lag.max=20, main="PACF of Nickel using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJNIretINSA.jpeg", type="jpeg")
Acf(datDJSIretINSA$rev.DJSIretINSA, lag.max=20, main="ACF of Silver using Approx. In-Sample Data")
Pacf(datDJSIretINSA$rev.DJSIretINSA, lag.max=20, main="PACF of Silver using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJSIretINSA.jpeg", type="jpeg")
Acf(datDJSUretINSA$rev.DJSUretINSA, lag.max=20, main="ACF of Sugar using Approx. In-Sample Data")
Pacf(datDJSUretINSA$rev.DJSUretINSA, lag.max=20, main="PACF of Sugar using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJSUretINSA.jpeg", type="jpeg")
Acf(datDJWEretINSA$rev.DJWEretINSA, lag.max=20, main="ACF of Wheat using Approx. In-Sample Data")
Pacf(datDJWEretINSA$rev.DJWEretINSA, lag.max=20, main="PACF of Wheat using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJWEretINSA.jpeg", type="jpeg")
Acf(datDJZIretINSA$rev.DJZIretINSA, lag.max=20, main="ACF of Zinc using Approx. In-Sample Data")
Pacf(datDJZIretINSA$rev.DJZIretINSA, lag.max=20, main="PACF of Zinc using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJZIretINSA.jpeg", type="jpeg")
Acf(datDJLHretINSA$rev.DJLHretINSA, lag.max=20, main="ACF of Lean Hogs using Approx. In-Sample Data")
Pacf(datDJLHretINSA$rev.DJLHretINSA, lag.max=20, main="PACF of Lean Hogs using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJLHretINSA.jpeg", type="jpeg")
Acf(datDJNGretINSA$rev.DJNGretINSA, lag.max=20, main="ACF of Natural Gas using Approx. In-Sample Data")
Pacf(datDJNGretINSA$rev.DJNGretINSA, lag.max=20, main="PACF of Natural Gas using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJNGretINSA.jpeg", type="jpeg")
Acf(datDJPEretINSA$rev.DJPEretINSA, lag.max=20, main="ACF of Petroleum using Approx. In-Sample Data")
Pacf(datDJPEretINSA$rev.DJPEretINSA, lag.max=20, main="PACF of Petroleum using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJPEretINSA.jpeg", type="jpeg")
Acf(datDJSOretINSA$rev.DJSOretINSA, lag.max=20, main="ACF of Soybeans using Approx. In-Sample Data")
Pacf(datDJSOretINSA$rev.DJSOretINSA, lag.max=20, main="PACF of Soybeans using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DJSOretINSA.jpeg", type="jpeg")
Acf(datSEFPretINSA$rev.SEFPretINSA, lag.max=20, main="ACF of Forest and Paper using Approx. In-Sample Data")
Pacf(datSEFPretINSA$rev.SEFPretINSA, lag.max=20, main="PACF of Forest and Paper using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEFPretINSA.jpeg", type="jpeg")
Acf(datSEECretINSA$rev.SEECretINSA, lag.max=20, main="ACF of Electricity using Approx. In-Sample Data")
Pacf(datSEECretINSA$rev.SEECretINSA, lag.max=20, main="PACF of Electricity using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEECretINSA.jpeg", type="jpeg")
Acf(datSEFLretINSA$rev.SEFLretINSA, lag.max=20, main="ACF of Fixed Line Communication using Approx. In-Sample Data")
Pacf(datSEFLretINSA$rev.SEFLretINSA, lag.max=20, main="PACF of Fixed Line Communication using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEFLretINSA.jpeg", type="jpeg")
Acf(datSEUTretINSA$rev.SEUTretINSA, lag.max=20, main="ACF of Gas, Water & Multiu. using Approx. In-Sample Data")
Pacf(datSEUTretINSA$rev.SEUTretINSA, lag.max=20, main="PACF of Gas, Water & Multiu. using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEUTretINSA.jpeg", type="jpeg")
Acf(datSETRretINSA$rev.SETRretINSA, lag.max=20, main="ACF of Transportation using Approx. In-Sample Data")
Pacf(datSETRretINSA$rev.SETRretINSA, lag.max=20, main="PACF of Transportation using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SETRretINSA.jpeg", type="jpeg")
Acf(datSEMOretINSA$rev.SEMOretINSA, lag.max=20, main="ACF of Mobile Telecommunication using Approx. In-Sample Data")
Pacf(datSEMOretINSA$rev.SEMOretINSA, lag.max=20, main="PACF of Mobile Telecommunication using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEMOretINSA.jpeg", type="jpeg")
Acf(datSEOGretINSA$rev.SEOGretINSA, lag.max=20, main="ACF of Oil & Gas Producers using Approx. In-Sample Data")
Pacf(datSEOGretINSA$rev.SEOGretINSA, lag.max=20, main="PACF of Oil & Gas Producers using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEOGretINSA.jpeg", type="jpeg")
Acf(datSEOEretINSA$rev.SEOEretINSA, lag.max=20, main="ACF of Oil, Equip. Services & Distrib. using Approx. In-Sample Data")
Pacf(datSEOEretINSA$rev.SEOEretINSA, lag.max=20, main="PACF of Oil, Equip. Services & Distrib. using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEOEretINSA.jpeg", type="jpeg")
Acf(datSEAIretINSA$rev.SEAIretINSA, lag.max=20, main="ACF of Airlines using Approx. In-Sample Data")
Pacf(datSEAIretINSA$rev.SEAIretINSA, lag.max=20, main="PACF of Airlines using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEAIretINSA.jpeg", type="jpeg")
Acf(datSEISretINSA$rev.SEISretINSA, lag.max=20, main="ACF of RE Invest. & Services using Approx. In-Sample Data")
Pacf(datSEISretINSA$rev.SEISretINSA, lag.max=20, main="PACF of RE Invest. & Services using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEISretINSA.jpeg", type="jpeg")
Acf(datSEREretINSA$rev.SEREretINSA, lag.max=20, main="ACF of REITS using Approx. In-Sample Data")
Pacf(datSEREretINSA$rev.SEREretINSA, lag.max=20, main="PACF of REITS using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEREretINSA.jpeg", type="jpeg")
Acf(datSEAEretINSA$rev.SEAEretINSA, lag.max=20, main="ACF of Alternative Energy using Approx. In-Sample Data")
Pacf(datSEAEretINSA$rev.SEAEretINSA, lag.max=20, main="PACF of Alternative Energy using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEAEretINSA.jpeg", type="jpeg")
Acf(datSESOretINSA$rev.SESOretINSA, lag.max=20, main="ACF of Softw. & Comp. Services using Approx. In-Sample Data")
Pacf(datSESOretINSA$rev.SESOretINSA, lag.max=20, main="PACF of Softw. & Comp. Services using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SESOretINSA.jpeg", type="jpeg")
Acf(datSETEretINSA$rev.SETEretINSA, lag.max=20, main="ACF of Techn. Equip. & Hardware using Approx. In-Sample Data")
Pacf(datSETEretINSA$rev.SETEretINSA, lag.max=20, main="PACF of Techn. Equip. & Hardware using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SETEretINSA.jpeg", type="jpeg")
Acf(datSEBEretINSA$rev.SEBEretINSA, lag.max=20, main="ACF of Beverages using Approx. In-Sample Data")
Pacf(datSEBEretINSA$rev.SEBEretINSA, lag.max=20, main="PACF of Beverages using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEBEretINSA.jpeg", type="jpeg")
Acf(datSEETretINSA$rev.SEETretINSA, lag.max=20, main="ACF of Europe Total Market using Approx. In-Sample Data")
Pacf(datSEETretINSA$rev.SEETretINSA, lag.max=20, main="PACF of Europe Total Market using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEETretINSA.jpeg", type="jpeg")
Acf(datSECHretINSA$rev.SECHretINSA, lag.max=20, main="ACF of Chemicals using Approx. In-Sample Data")
Pacf(datSECHretINSA$rev.SECHretINSA, lag.max=20, main="PACF of Chemicals using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SECHretINSA.jpeg", type="jpeg")
Acf(datSEAPretINSA$rev.SEAPretINSA, lag.max=20, main="ACF of Auto and parts using Approx. In-Sample Data")
Pacf(datSEAPretINSA$rev.SEAPretINSA, lag.max=20, main="PACF of Auto and parts using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/SEAPretINSA.jpeg", type="jpeg")
Acf(datBITCretINSA$rev.BITCretINSA, lag.max=20, main="ACF of Bitcoin using Approx. In-Sample Data")
Pacf(datBITCretINSA$rev.BITCretINSA, lag.max=20, main="PACF of Bitcoin using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/BITCretINSA.jpeg", type="jpeg")
Acf(datLITCretINSA$rev.LITCretINSA, lag.max=20, main="ACF of Litecoin using Approx. In-Sample Data")
Pacf(datLITCretINSA$rev.LITCretINSA, lag.max=20, main="PACF of Litecoin using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/LITCretINSA.jpeg", type="jpeg")
Acf(datGREXretINSA$rev.GREXretINSA, lag.max=20, main="ACF of REX using Approx. In-Sample Data")
Pacf(datGREXretINSA$rev.GREXretINSA, lag.max=20, main="PACF of REX using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/GREXretINSA.jpeg", type="jpeg")
Acf(datDAXPretINSA$rev.DAXPretINSA, lag.max=20, main="ACF of DAXsubsector All PE & VC using Approx. In-Sample Data")
Pacf(datDAXPretINSA$rev.DAXPretINSA, lag.max=20, main="PACF of DAXsubsector All PE & VC using Approx. In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/04_ACF and PACF Returns/DAXPretINSA.jpeg", type="jpeg")
```

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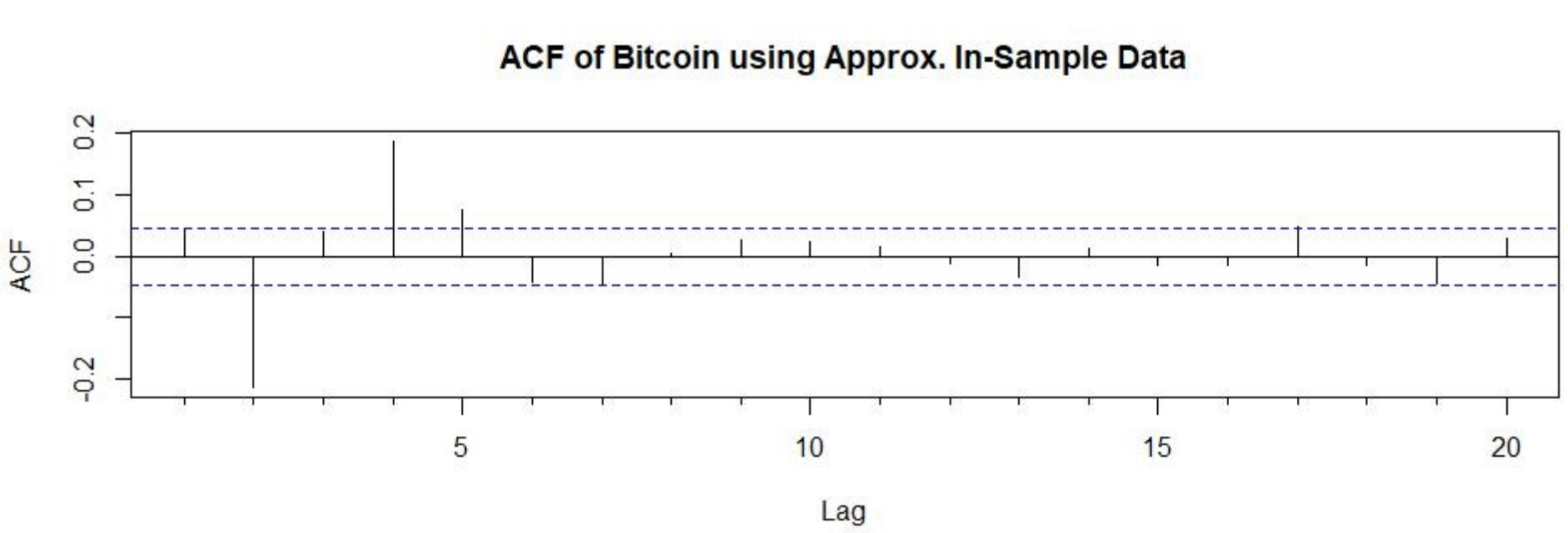
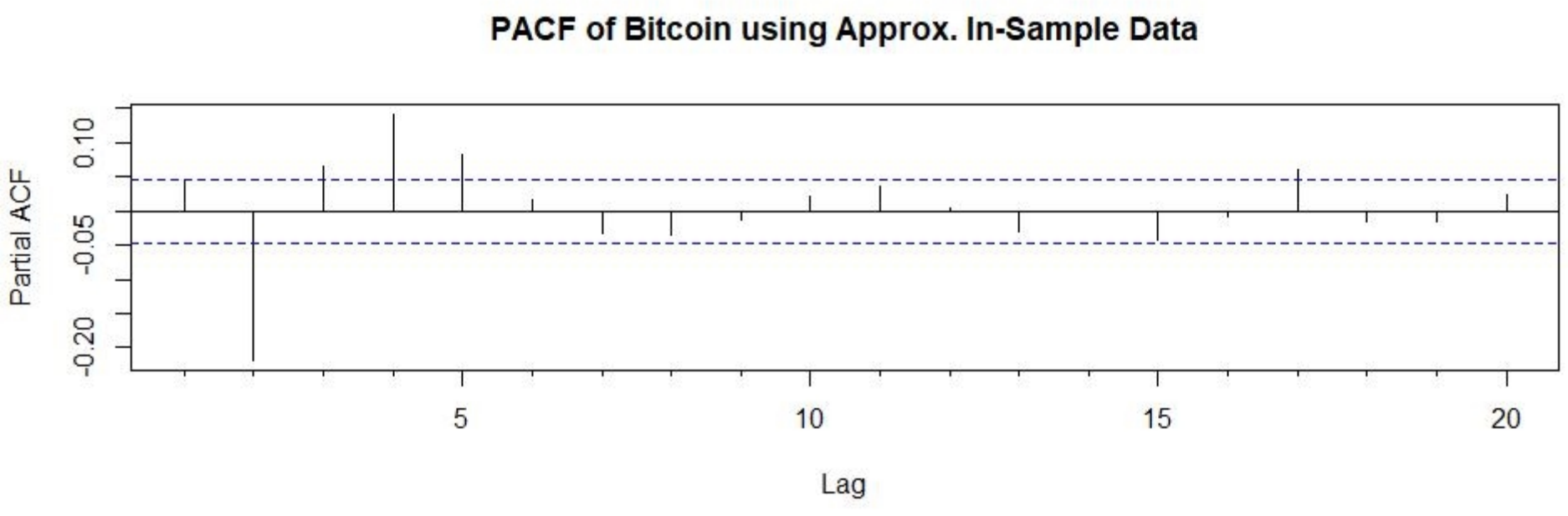
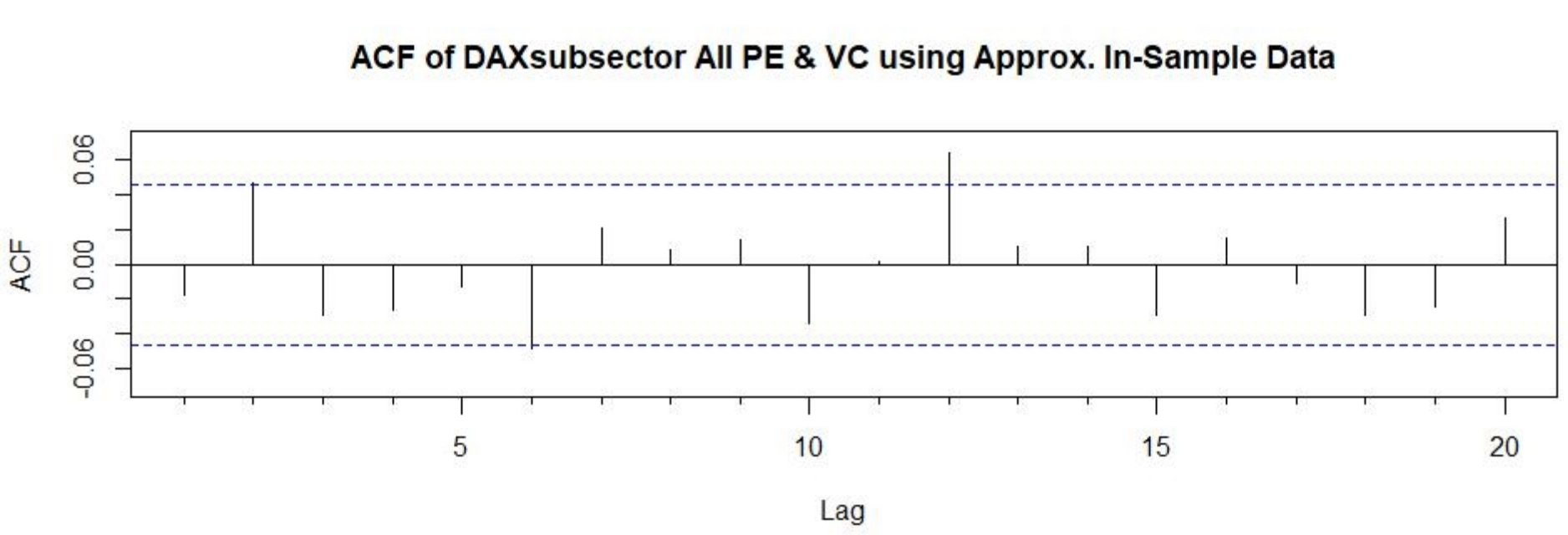
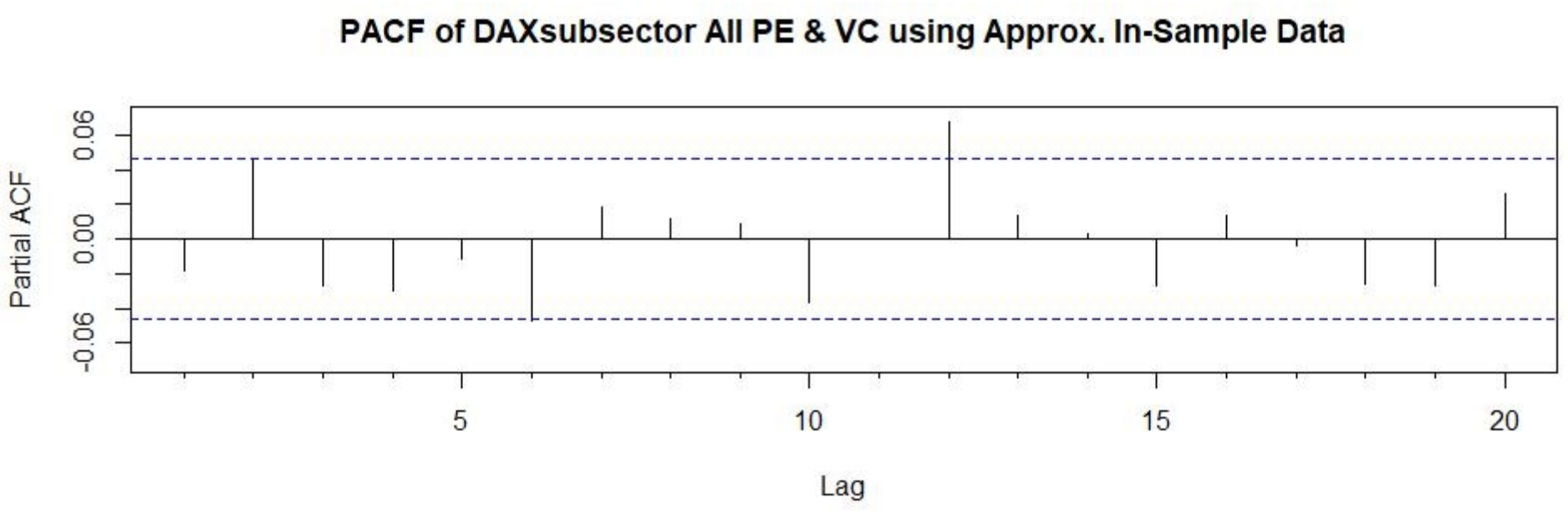
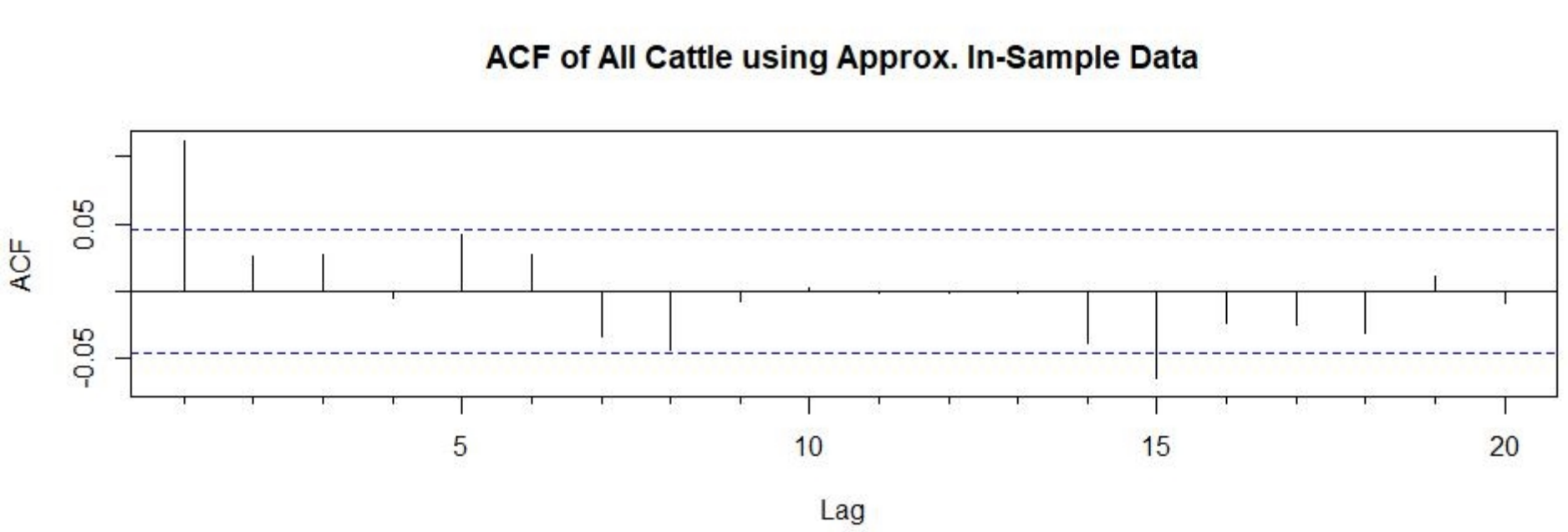
G_[RESULTS]_Chapter 4.3.7._ACF and PACF of the Time Series

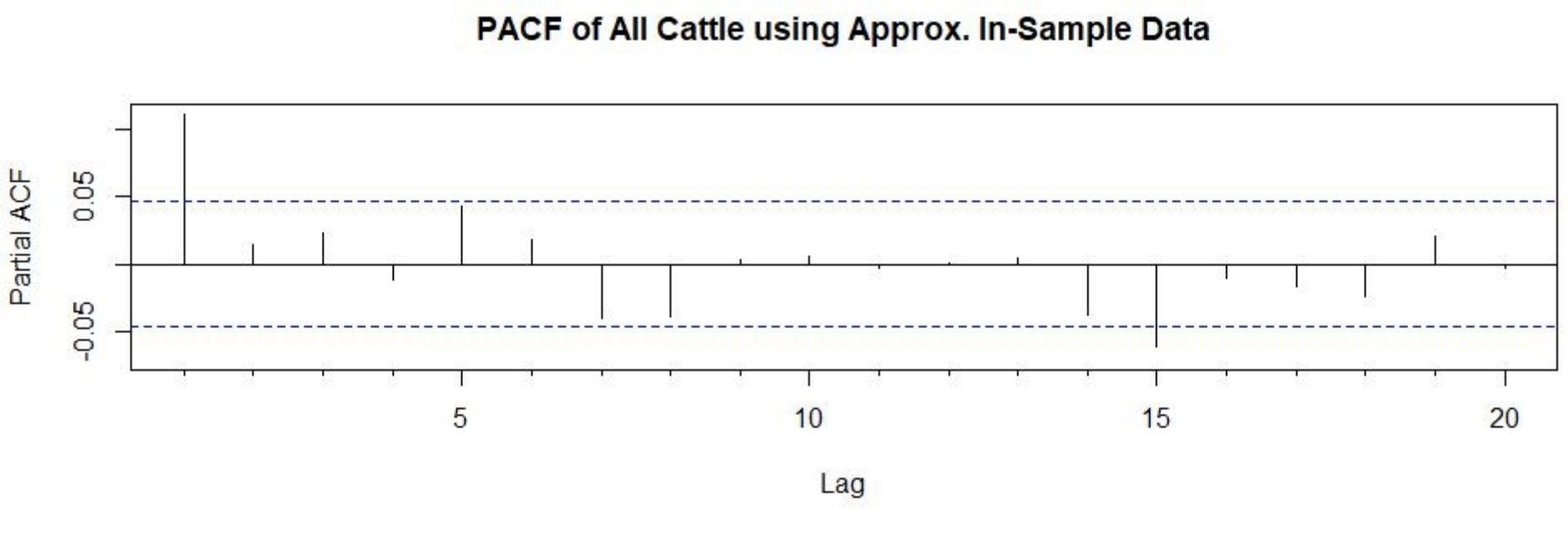

ACF of Bitcoin using Approx. In-Sample Data
ACF
0.2
0.1
0.0
-0.2
5
10
15
20
Lag

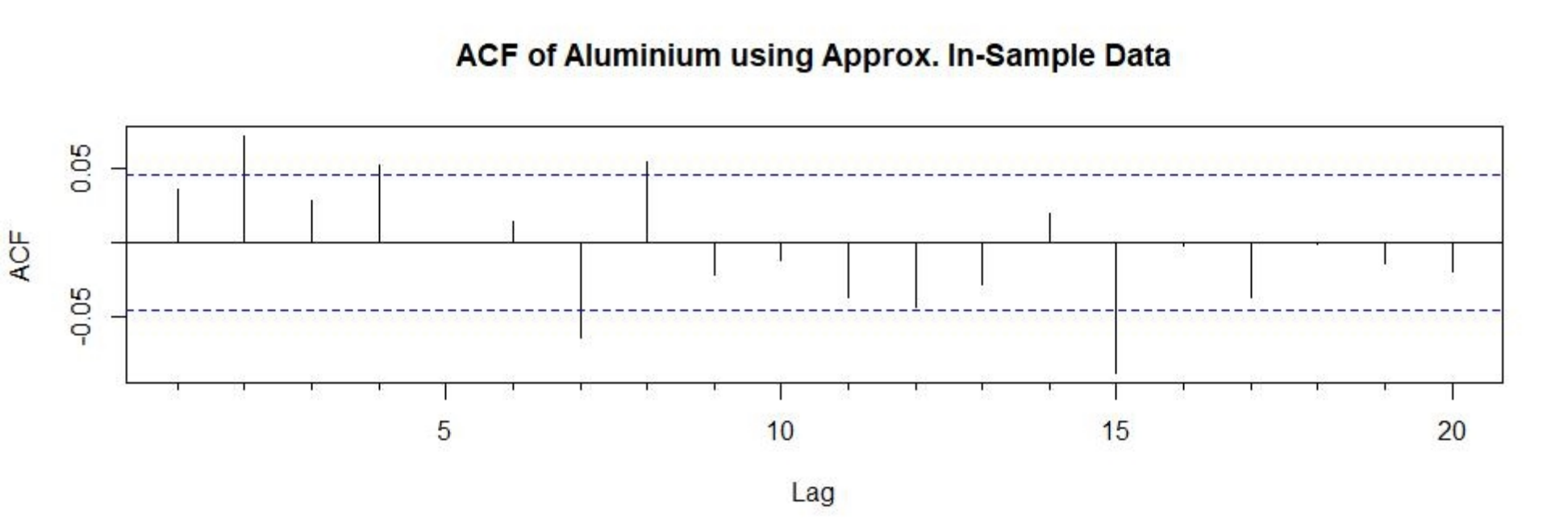

PACF of Bitcoin using Approx. In-Sample Data
Partial ACF
0.10
-0.05
-0.20
5
10
15
20
Lag

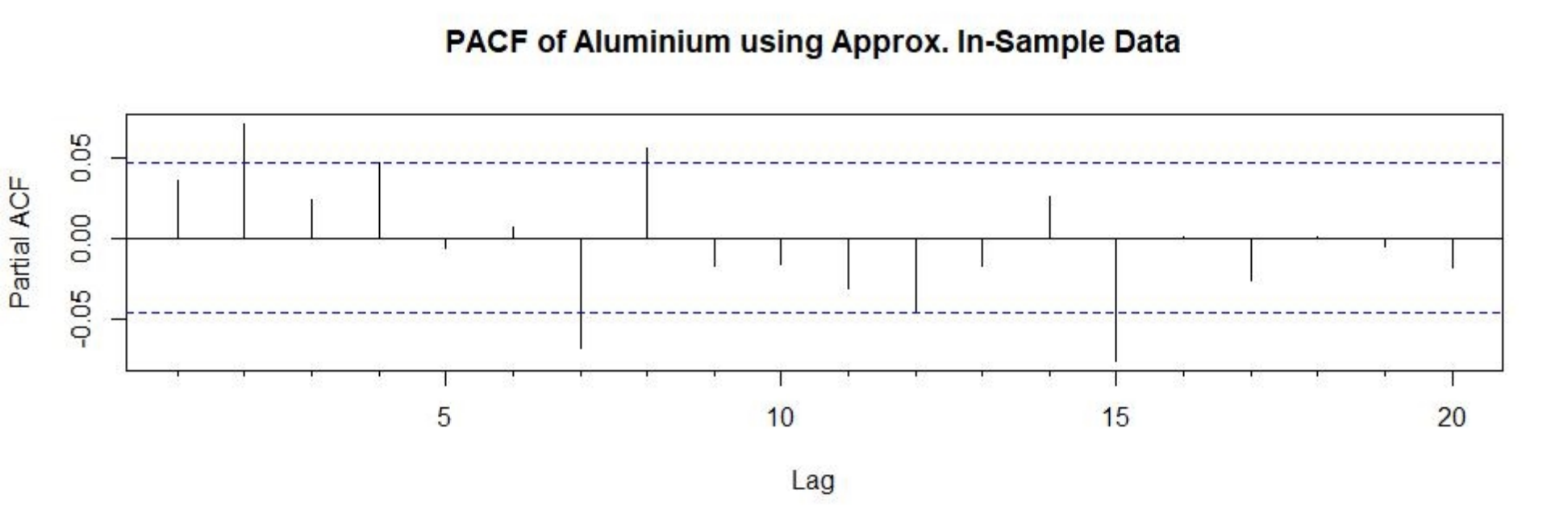

ACF of DAXsubsector All PE & VC using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

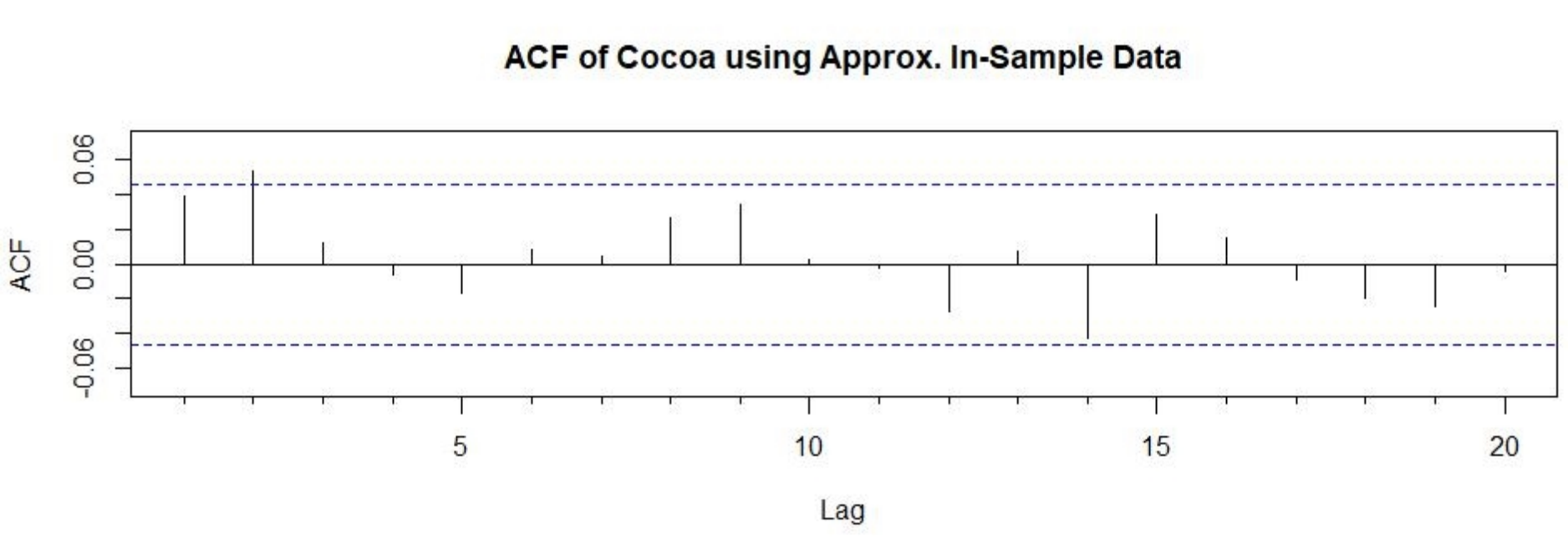

PACF of DAXsubsector All PE & VC using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

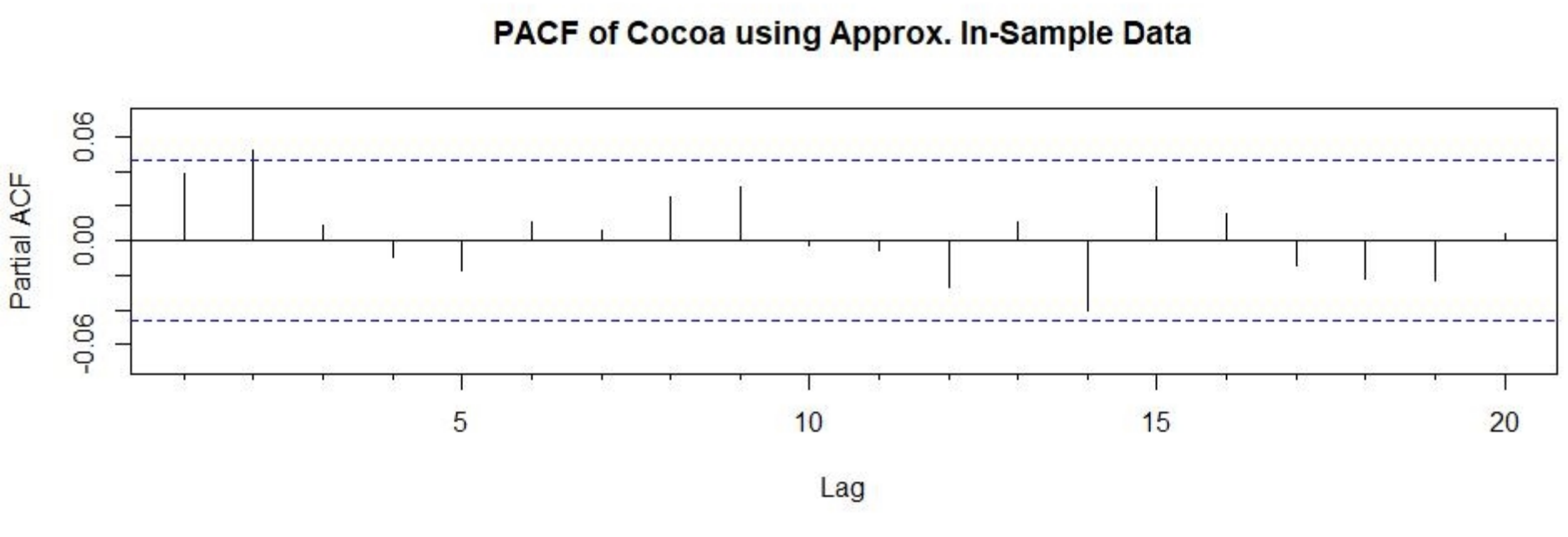

ACF of All Cattle using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

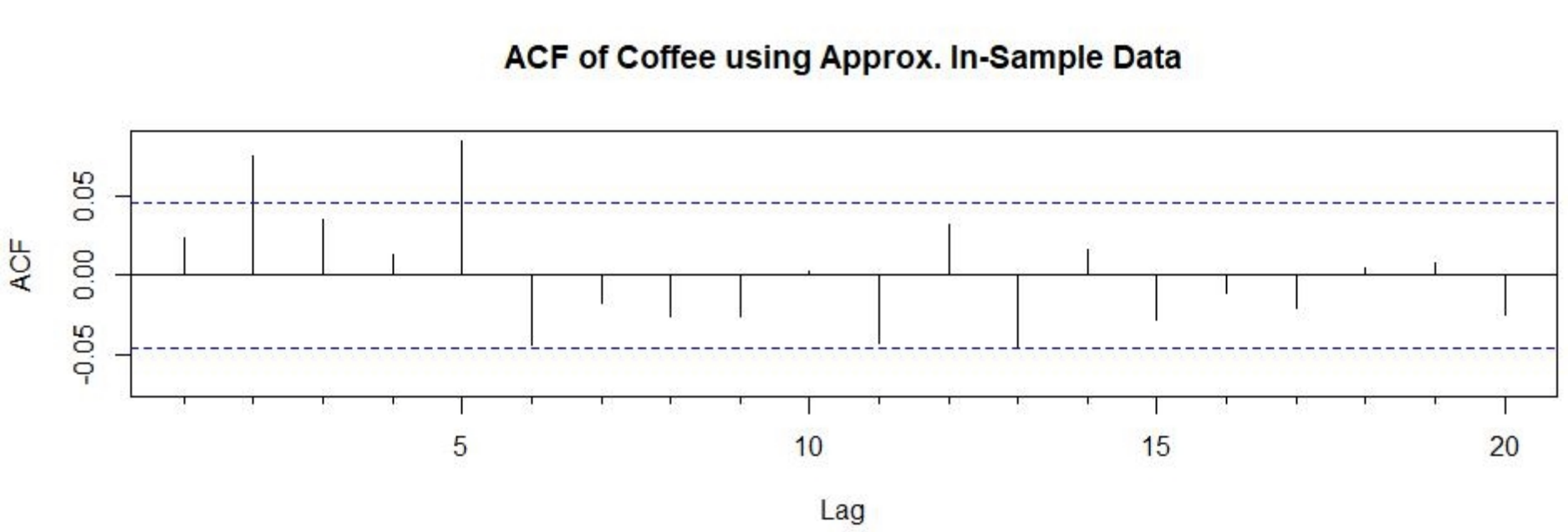

PACF of All Cattle using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

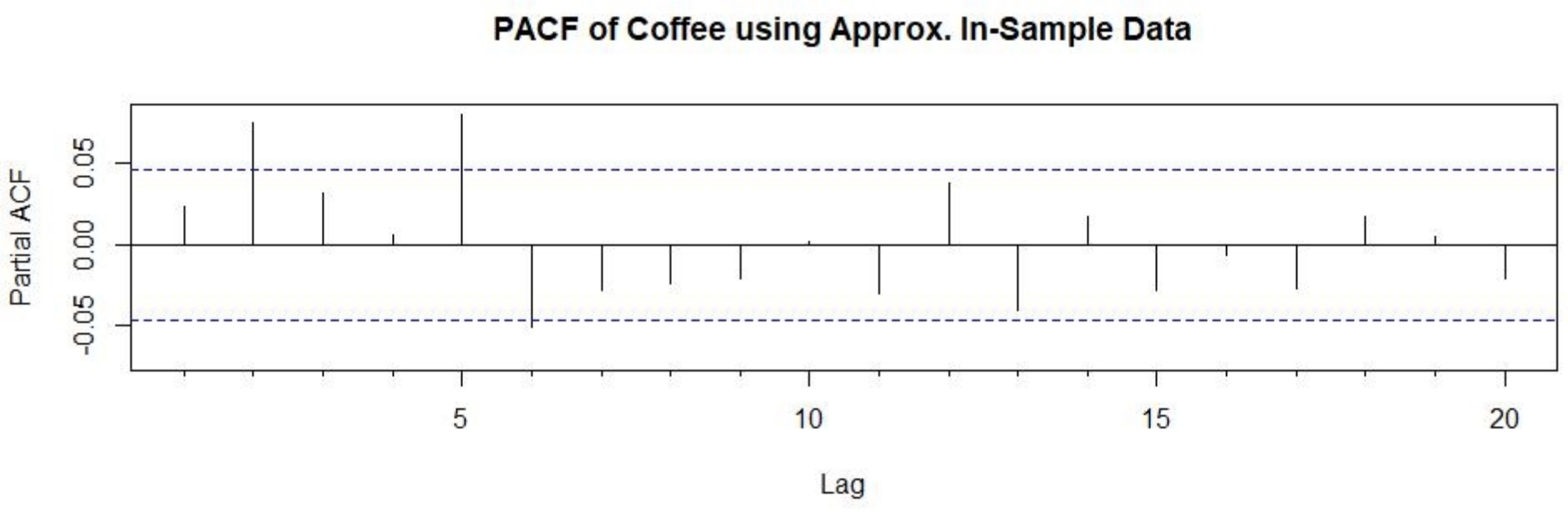

ACF of Aluminium using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

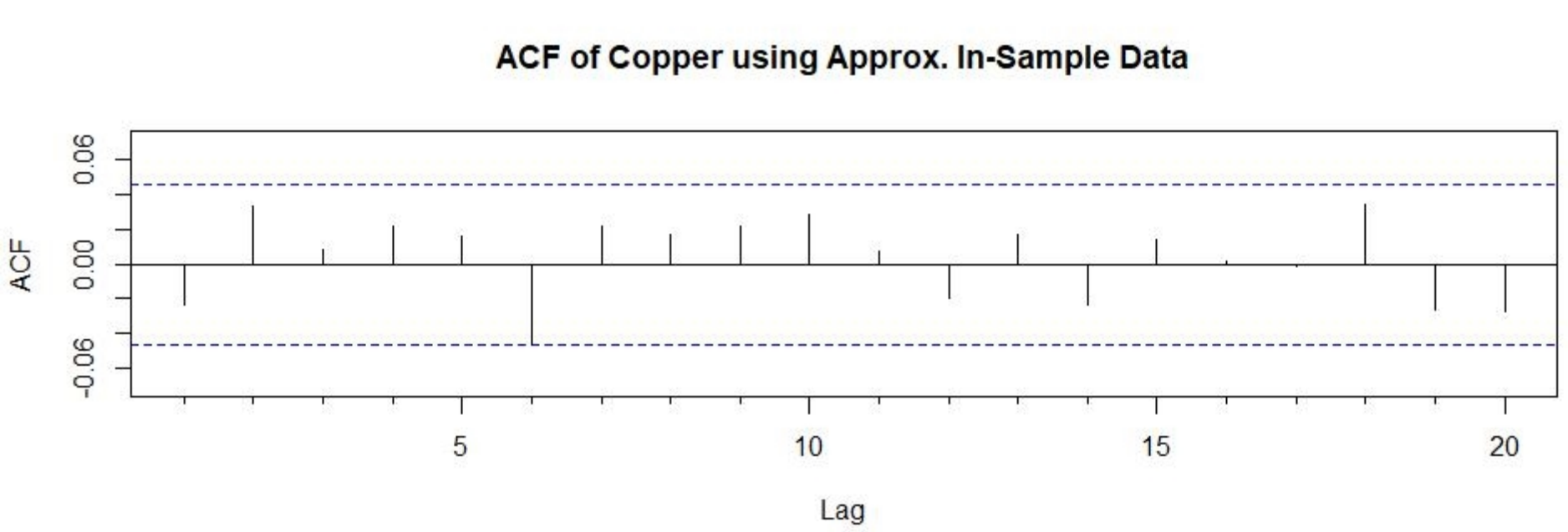

PACF of Aluminium using Approx. In-Sample Data
Partial ACF
0.05
0.00
-0.05
5
10
15
20
Lag

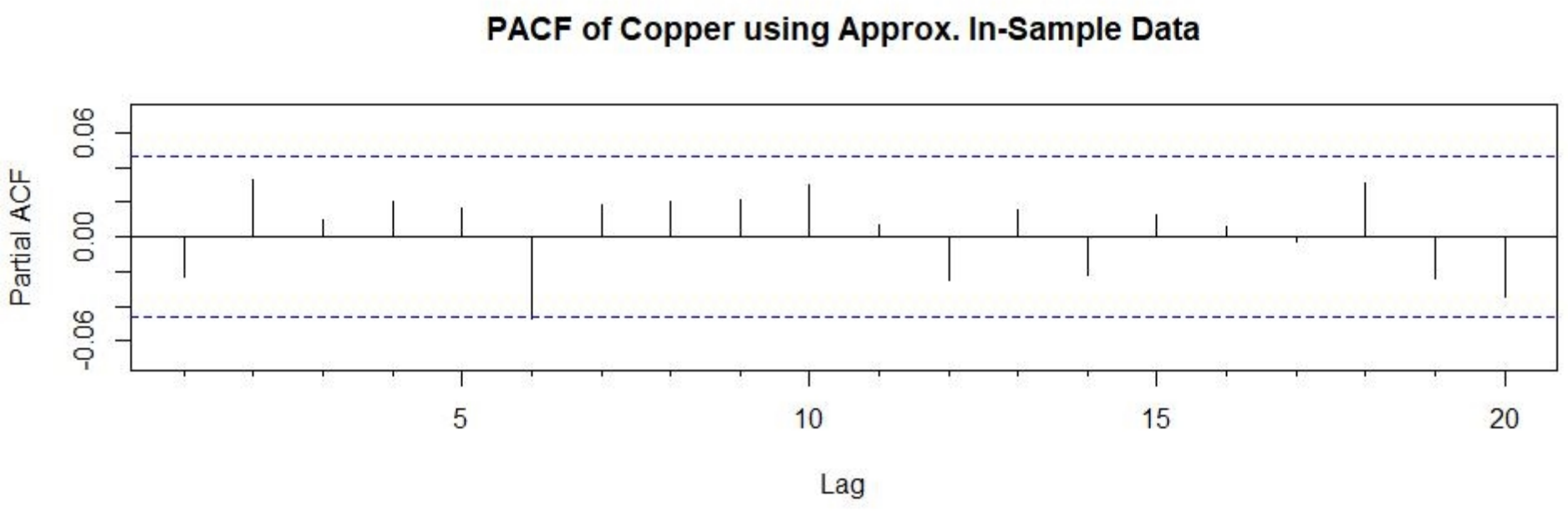

ACF of Cocoa using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

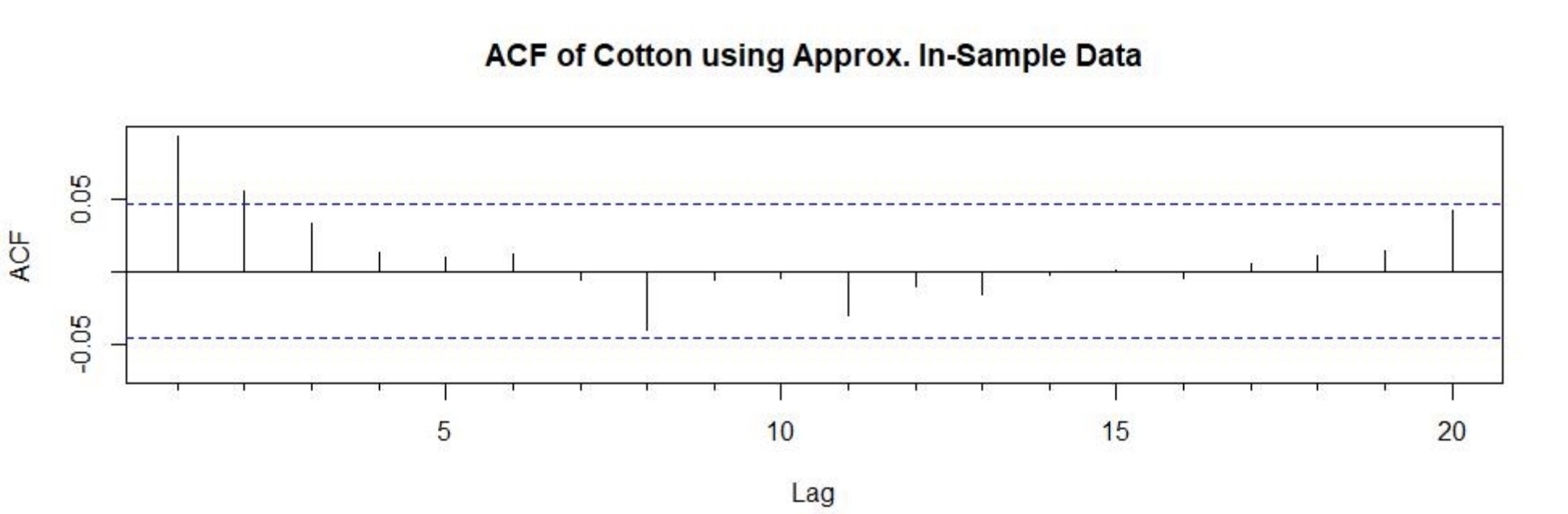

PACF of Cocoa using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

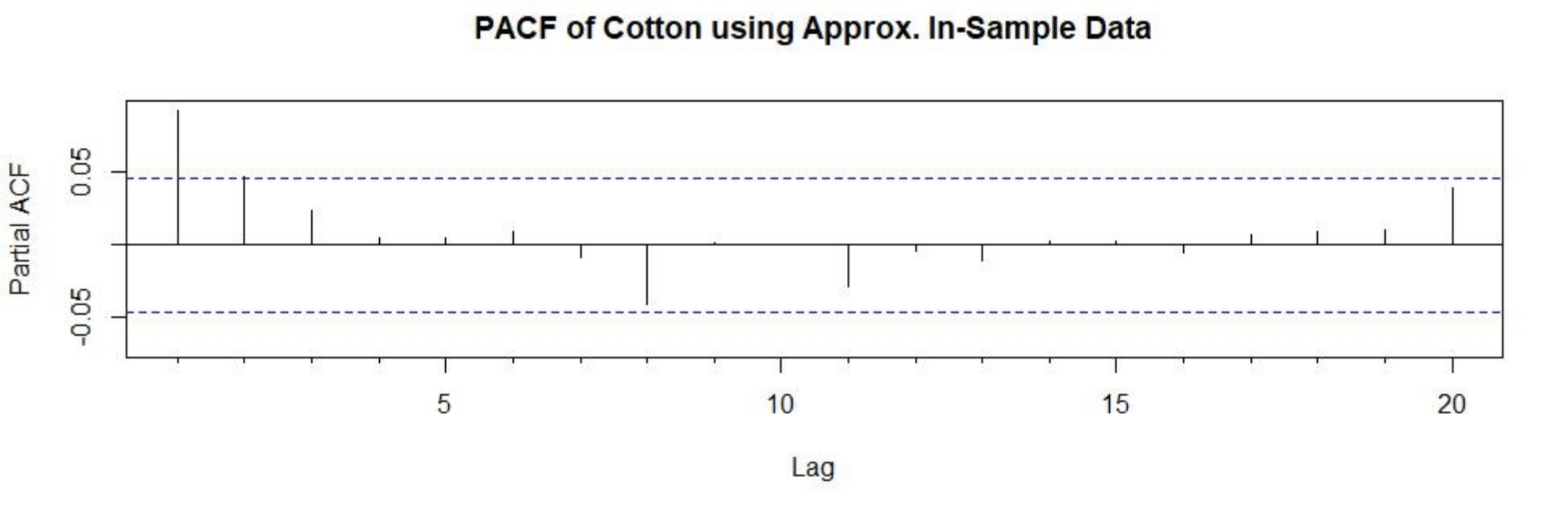

ACF of Coffee using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

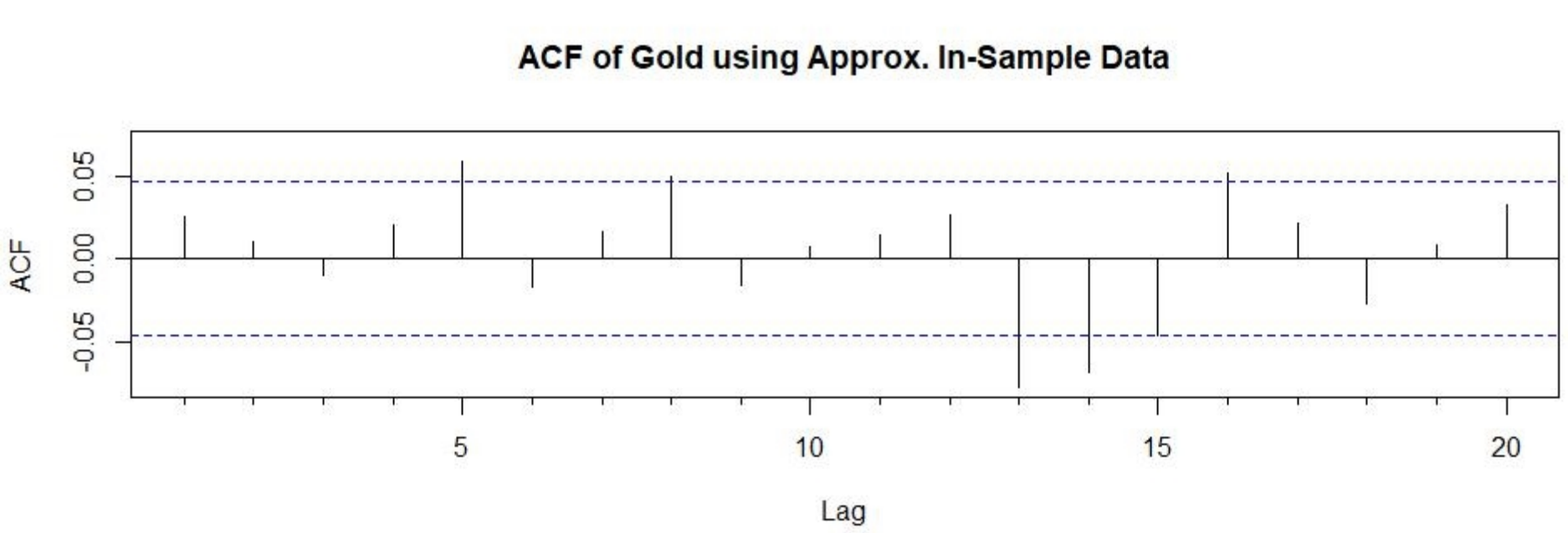

PACF of Coffee using Approx. In-Sample Data
Partial ACF
0.05
0.00
-0.05
5
10
15
20
Lag

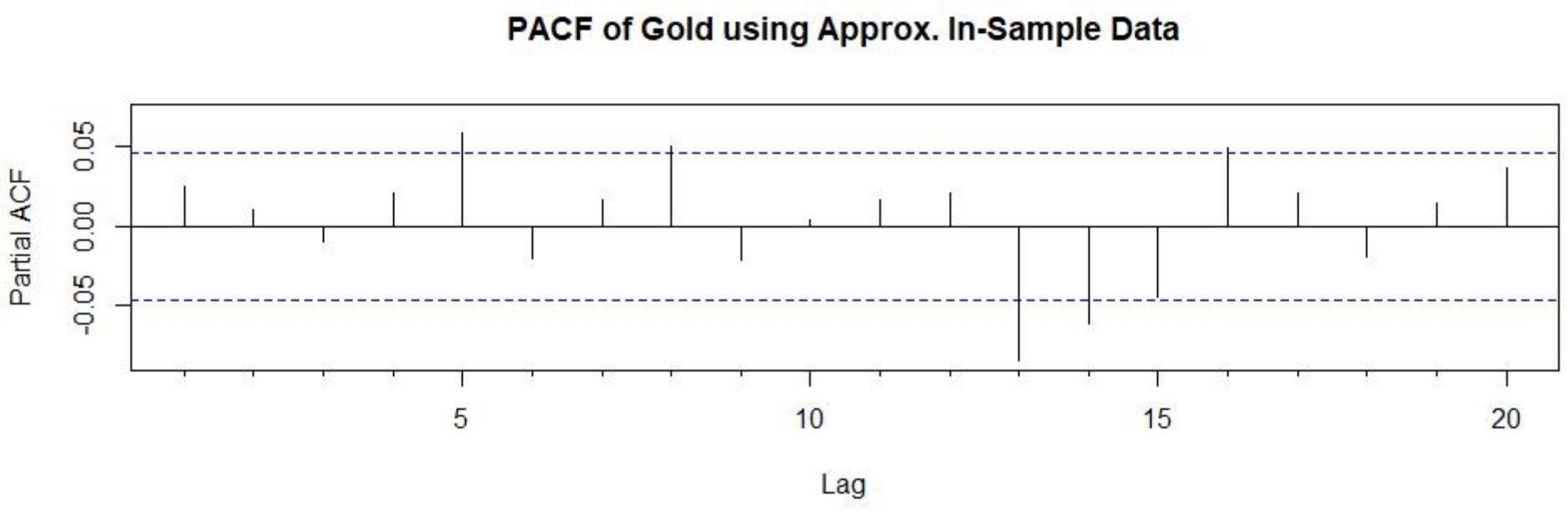

ACF of Copper using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

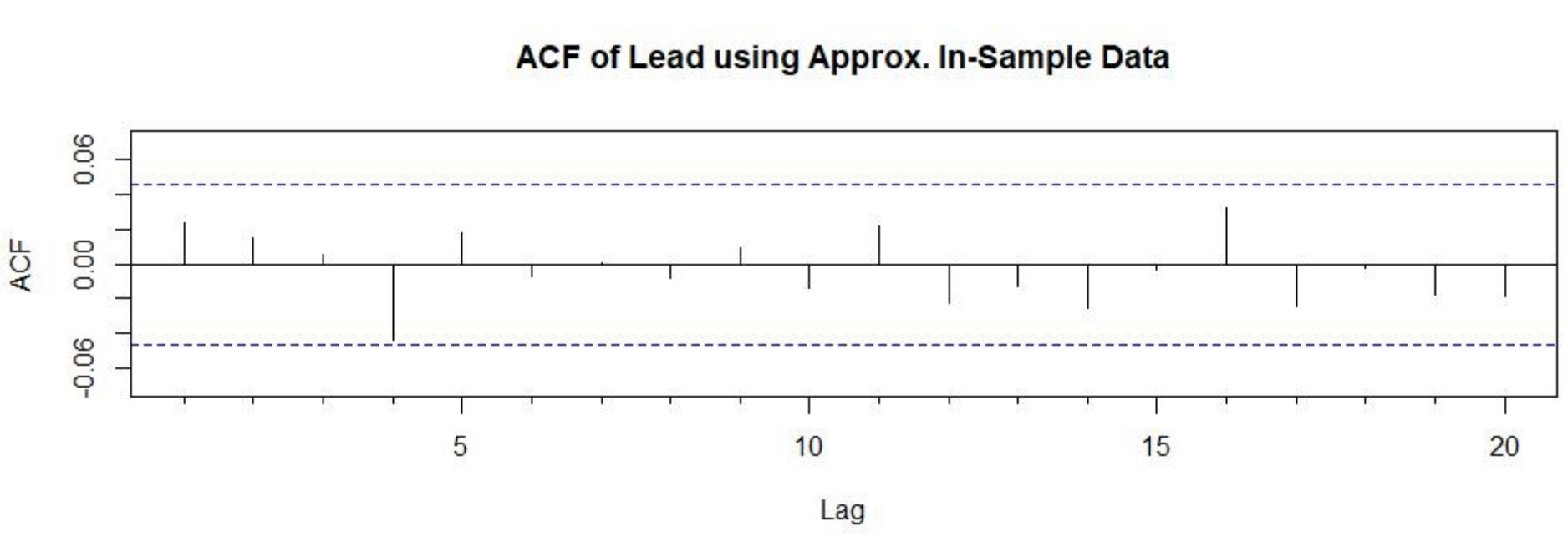

PACF of Copper using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

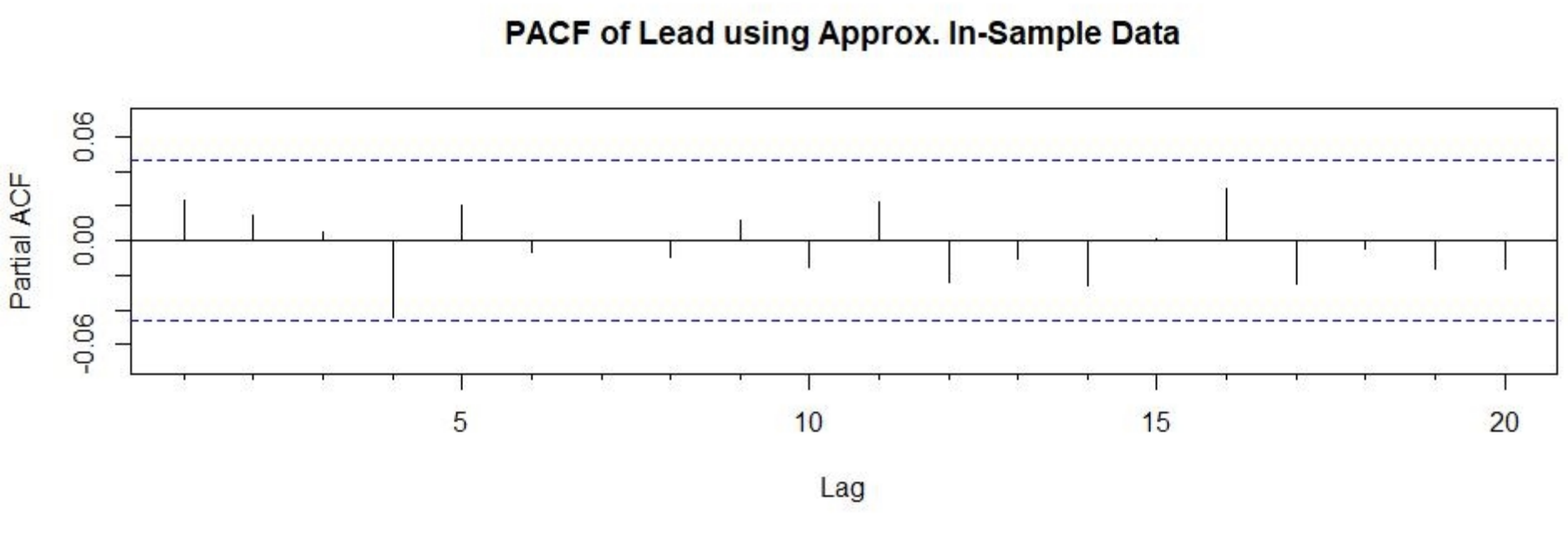

ACF of Cotton using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

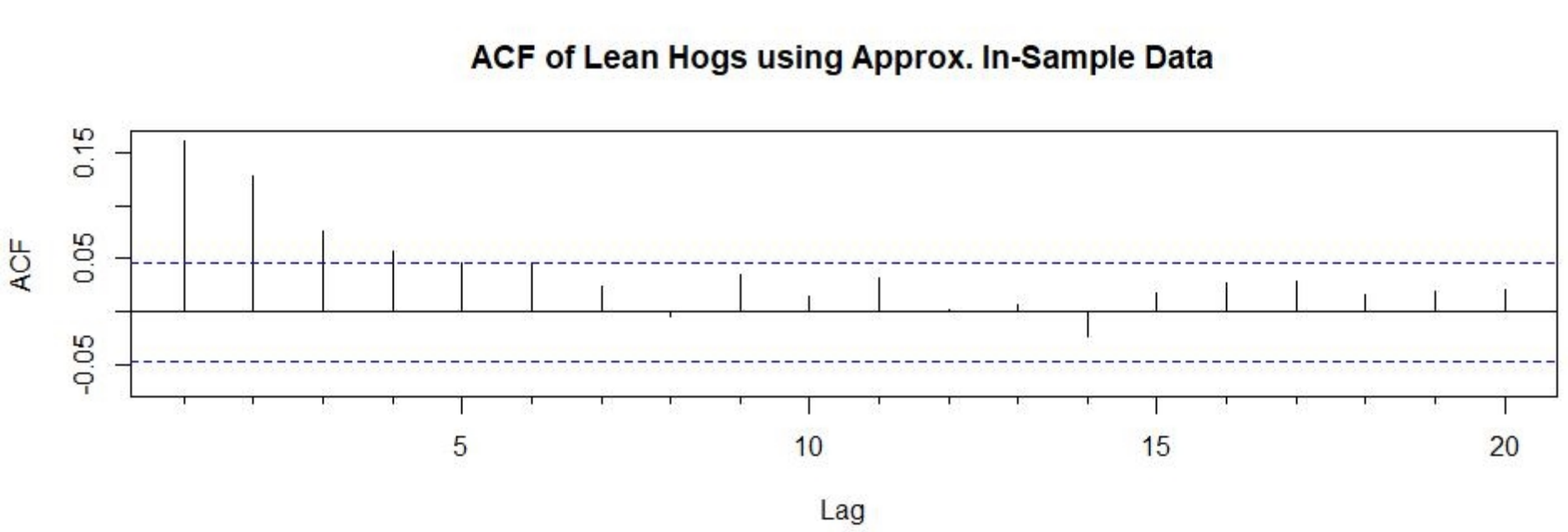

PACF of Cotton using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

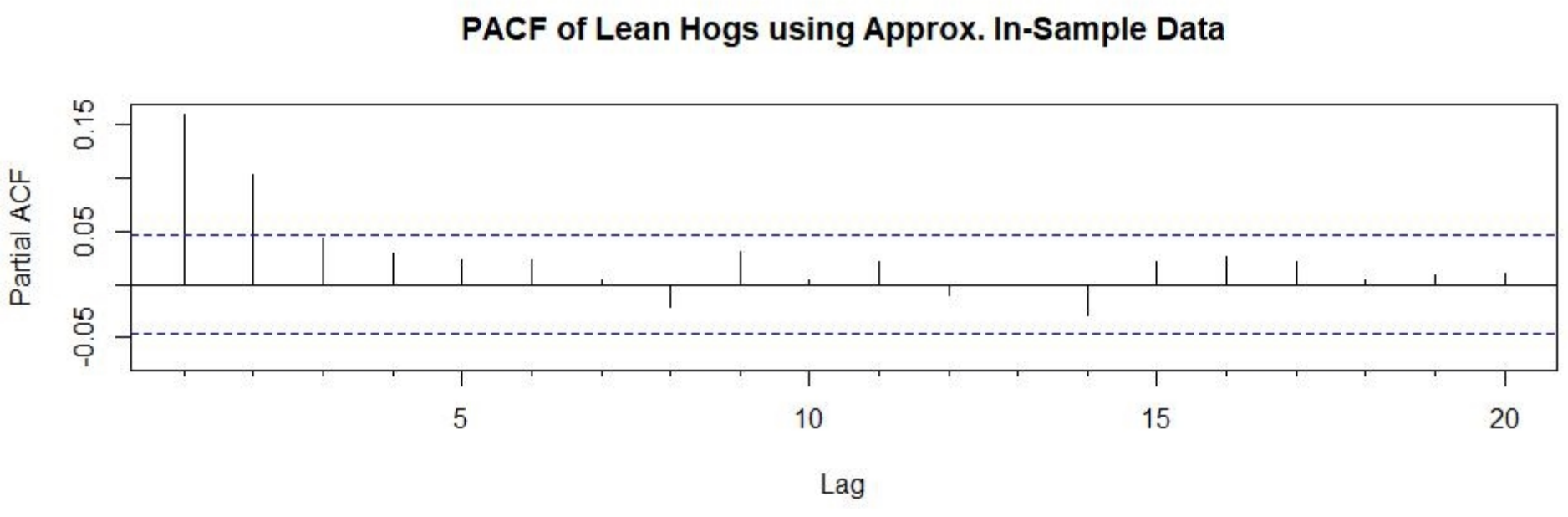

ACF of Gold using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

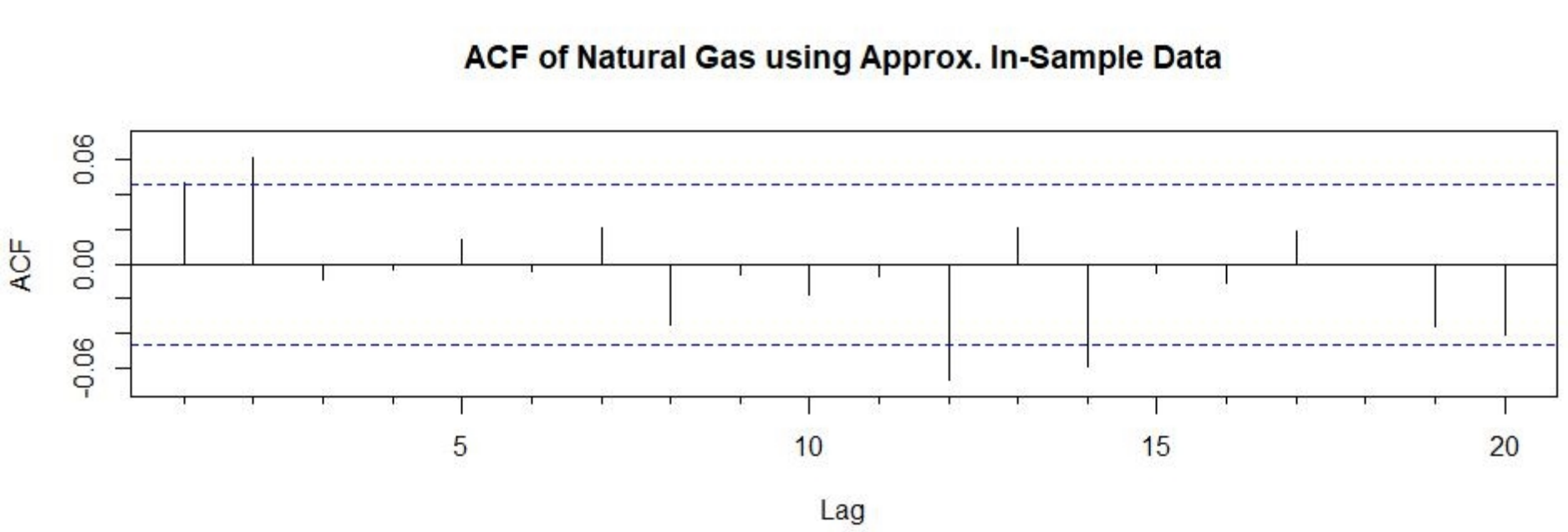

PACF of Gold using Approx. In-Sample Data
Partial ACF
0.05
0.00
-0.05
5
10
15
20
Lag

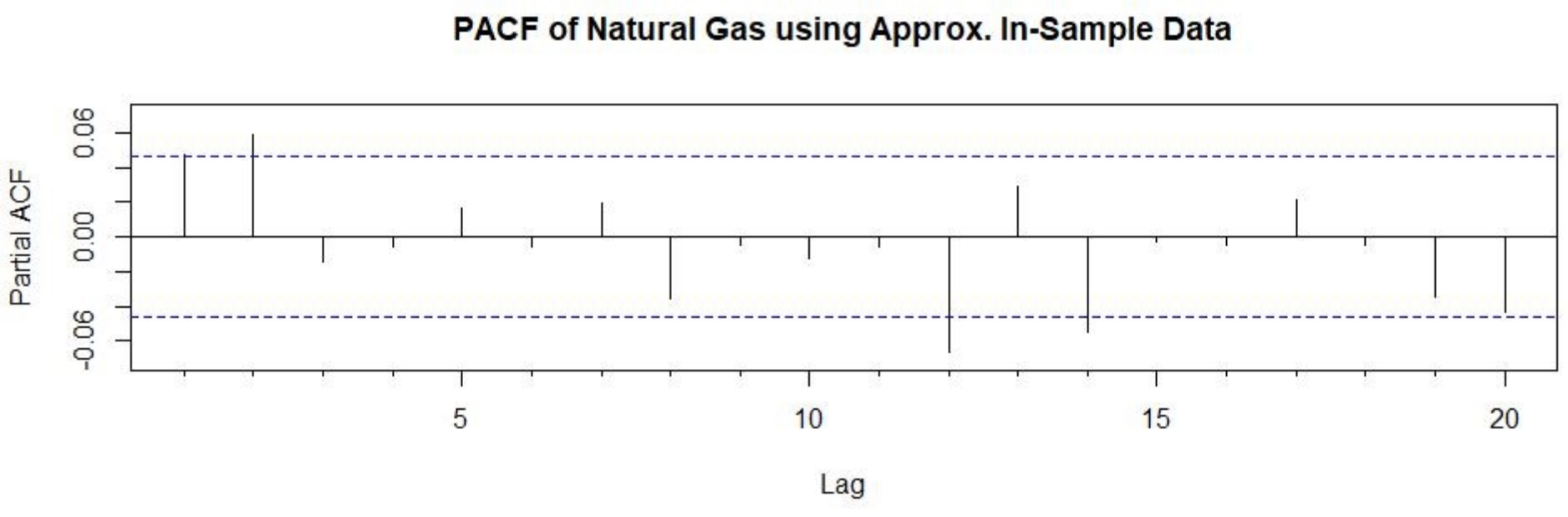

ACF of Lead using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

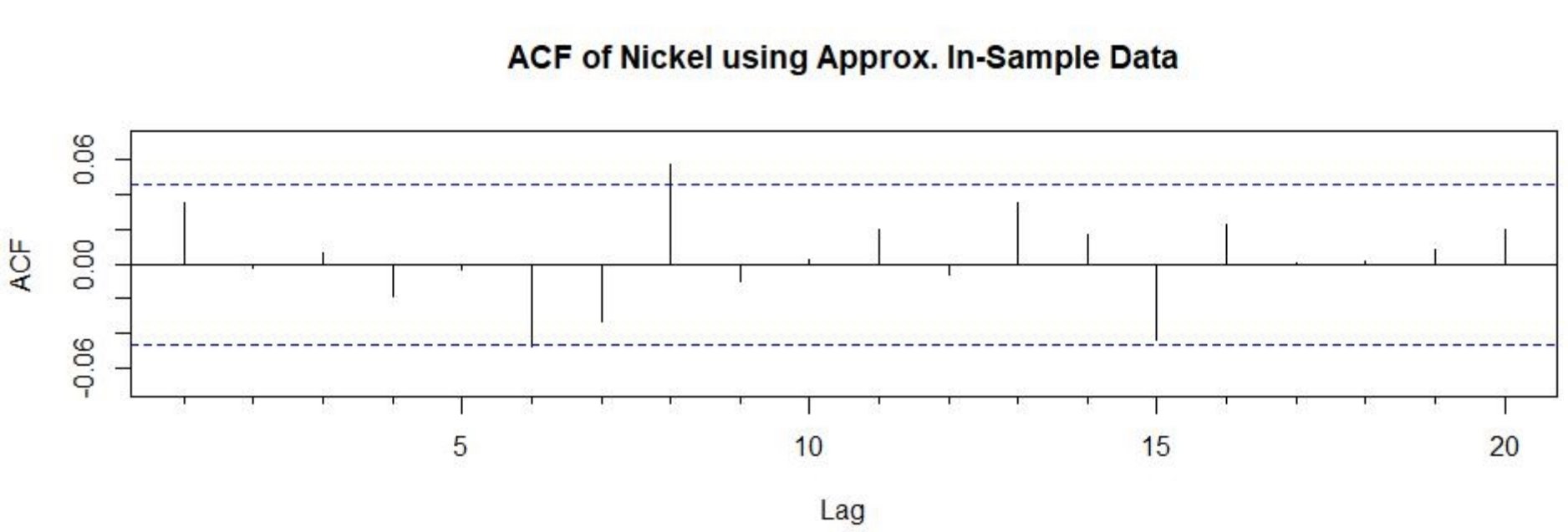

PACF of Lead using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

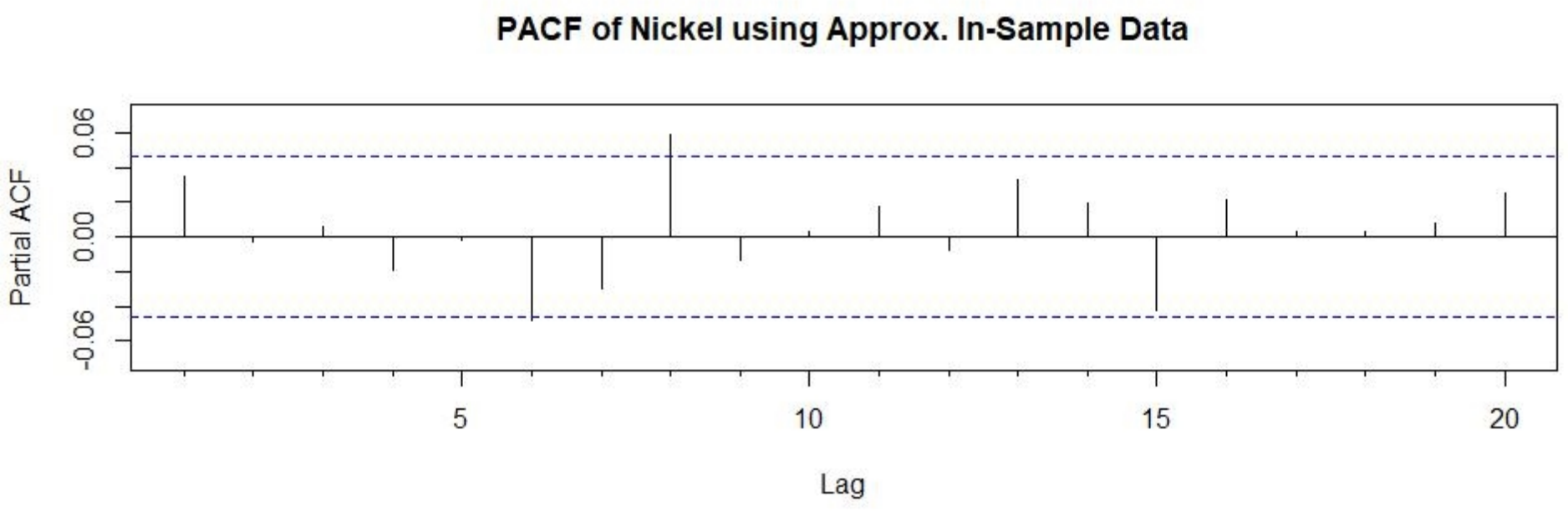

ACF of Lean Hogs using Approx. In-Sample Data
ACF
0.15
0.05
-0.05
5
10
15
20
Lag

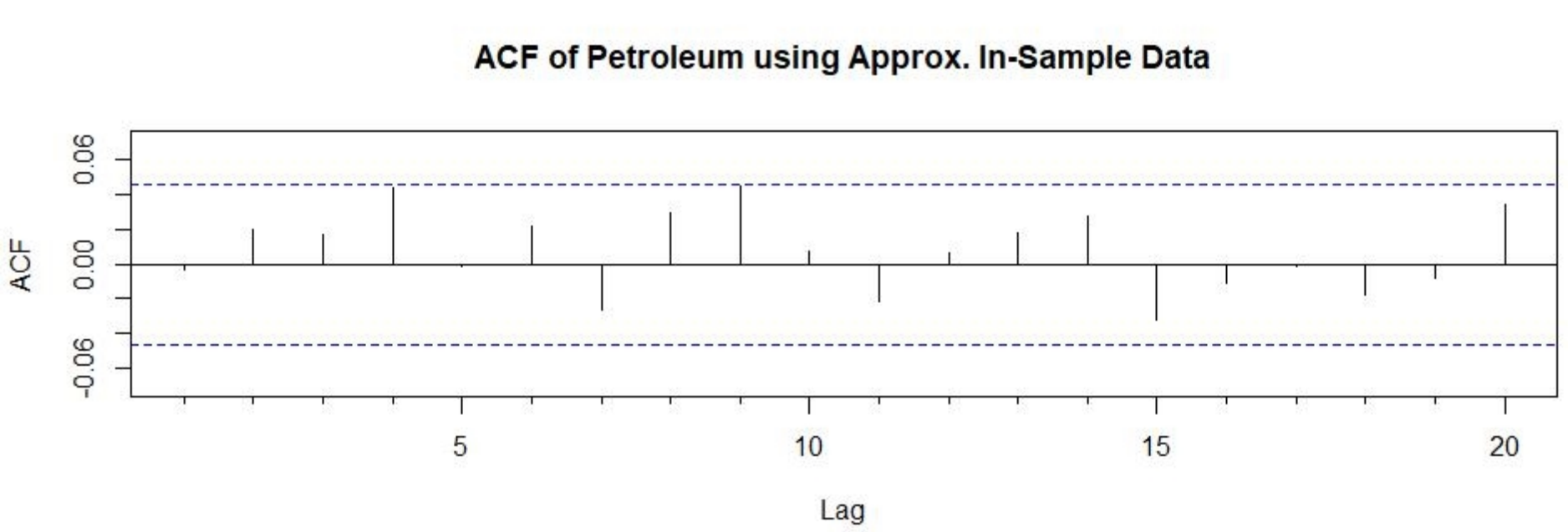

PACF of Lean Hogs using Approx. In-Sample Data
Partial ACF
0.15
0.05
-0.05
5
10
15
20
Lag

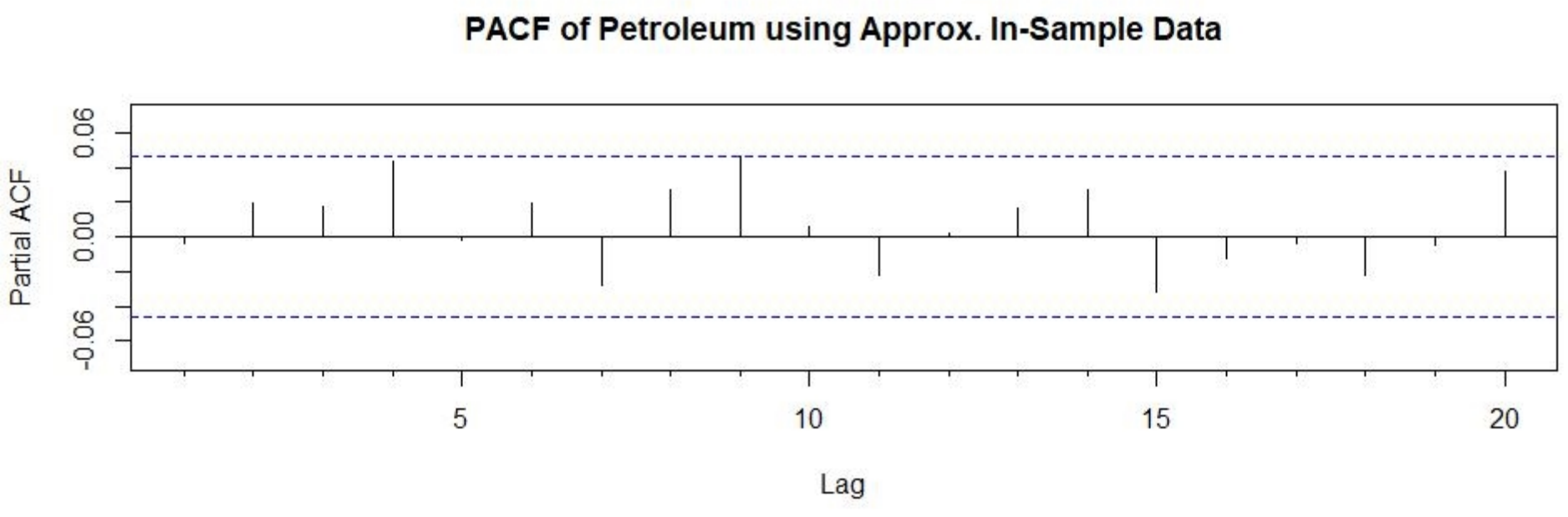

ACF of Natural Gas using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

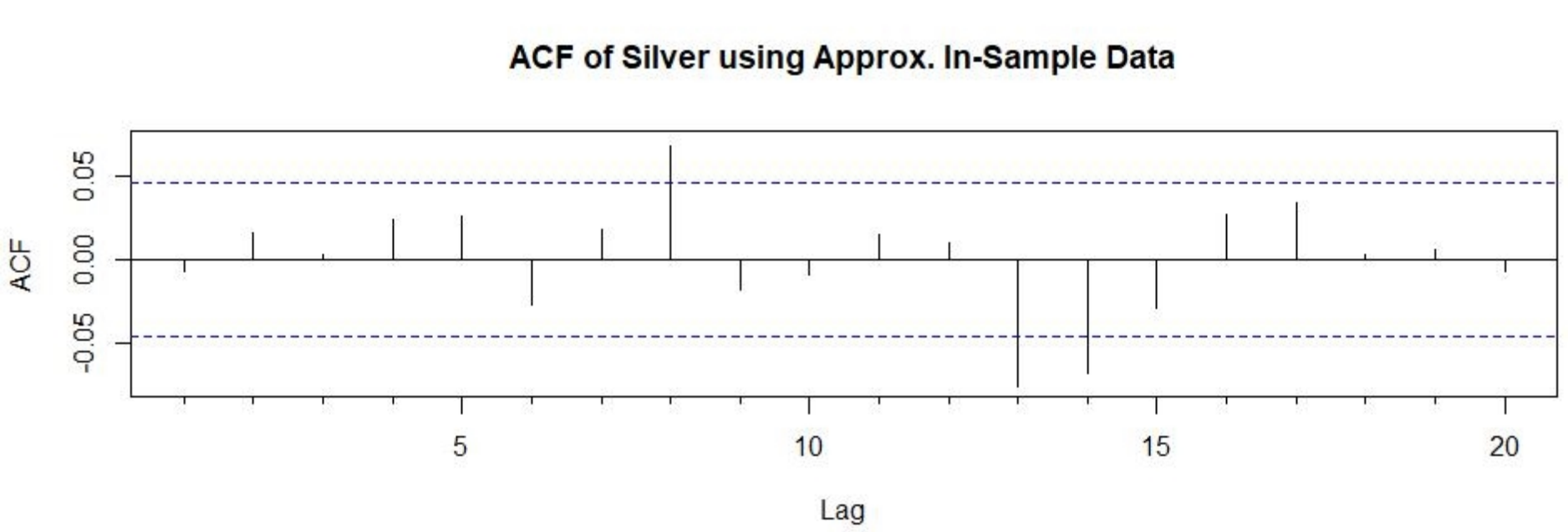

PACF of Natural Gas using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

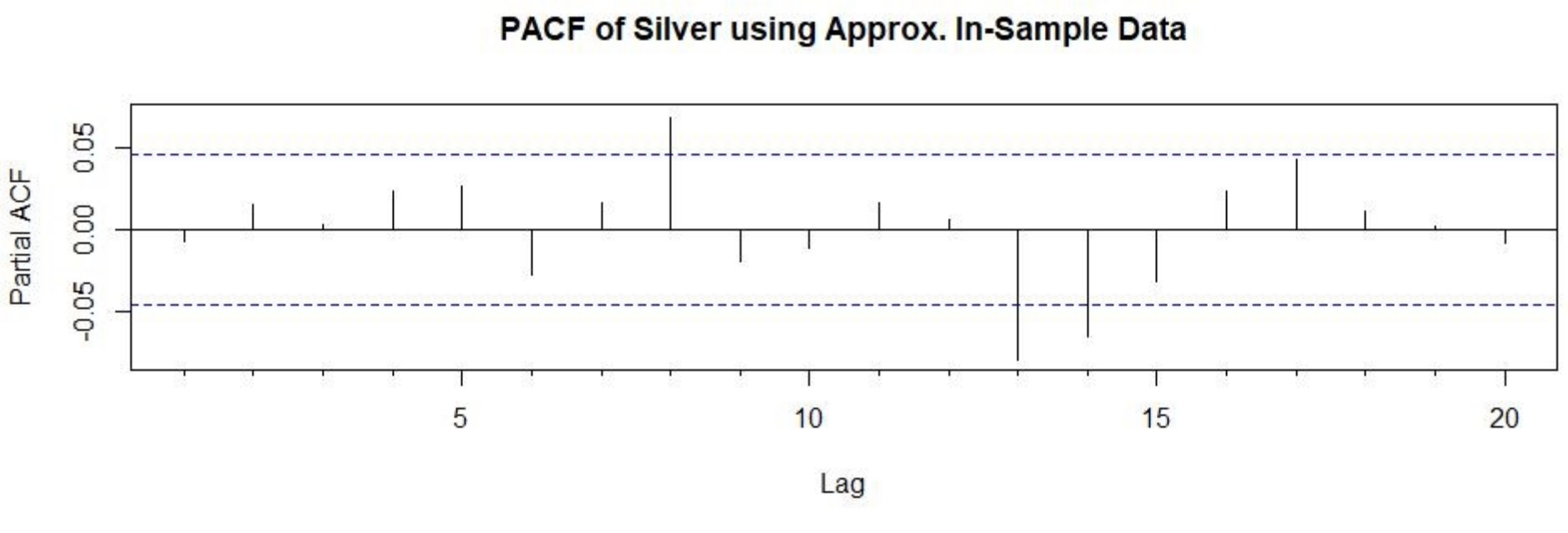

ACF of Nickel using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

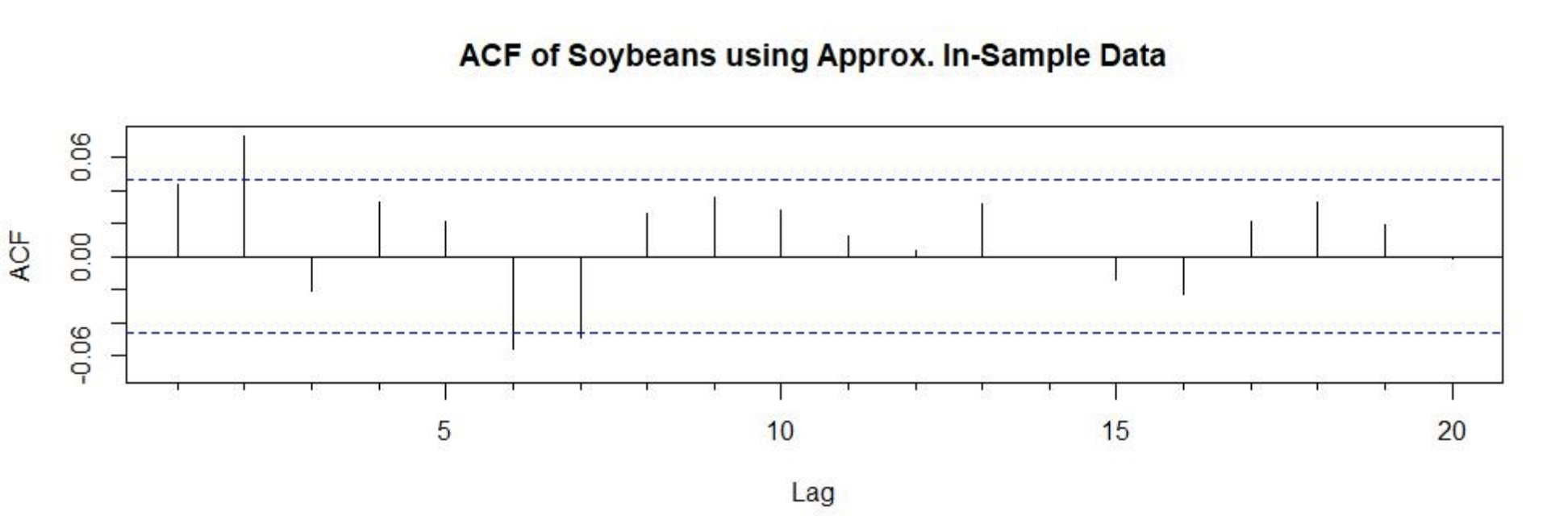

PACF of Nickel using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

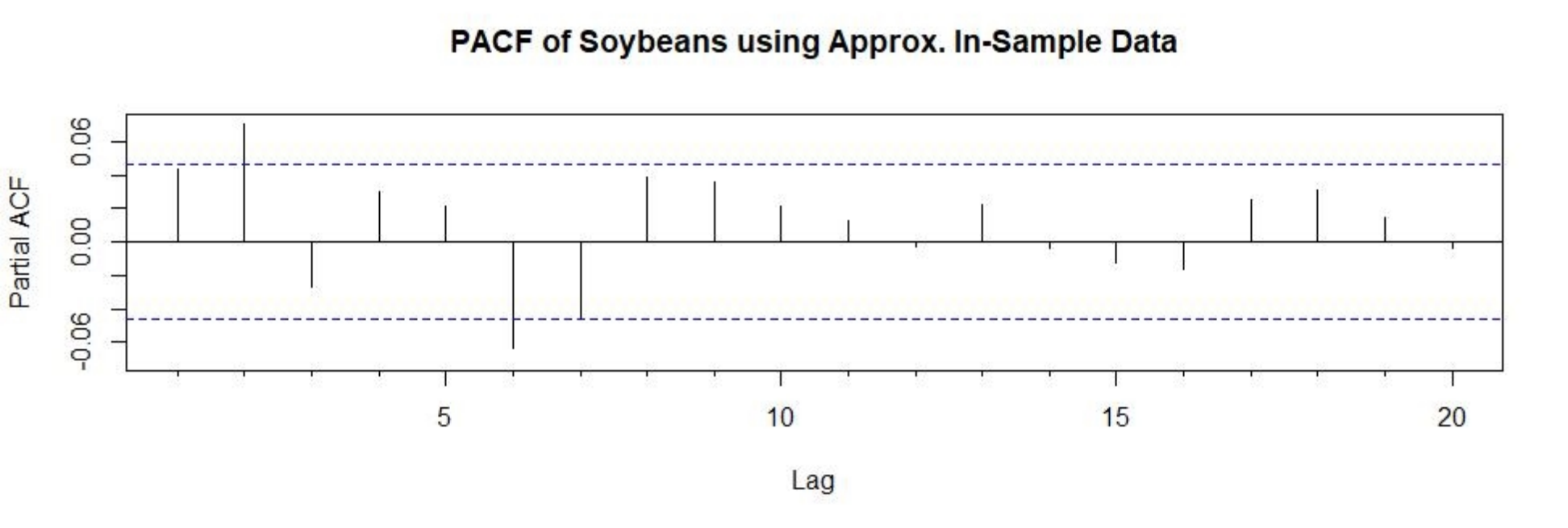

ACF of Petroleum using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

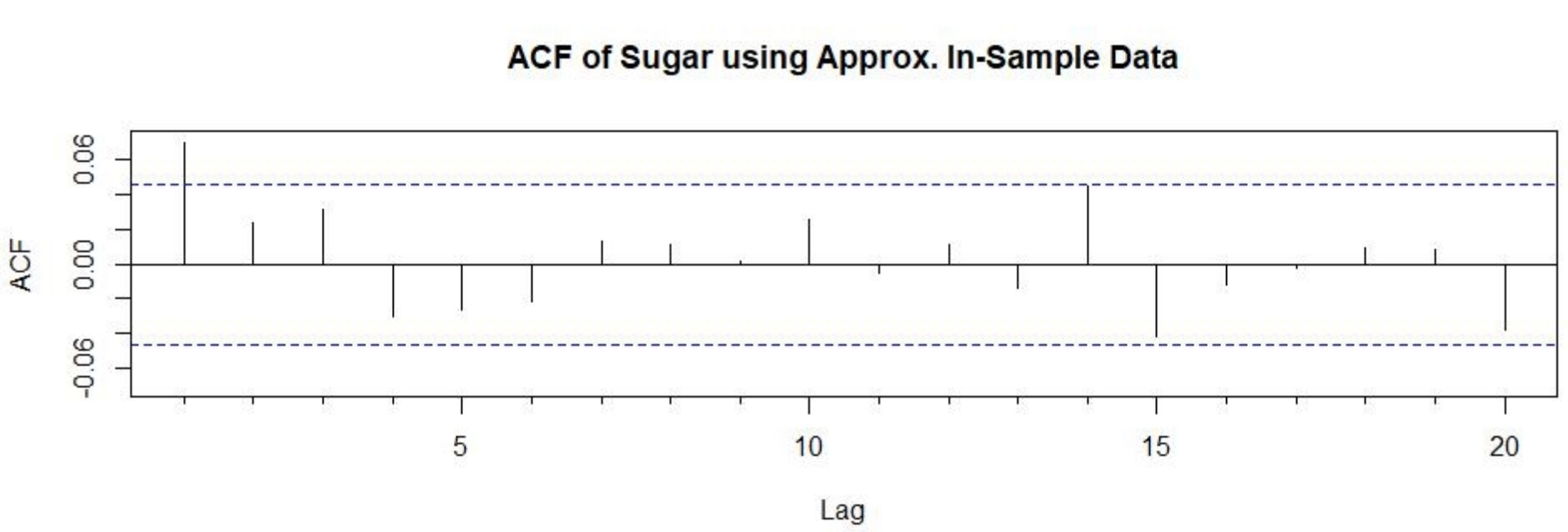

PACF of Petroleum using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

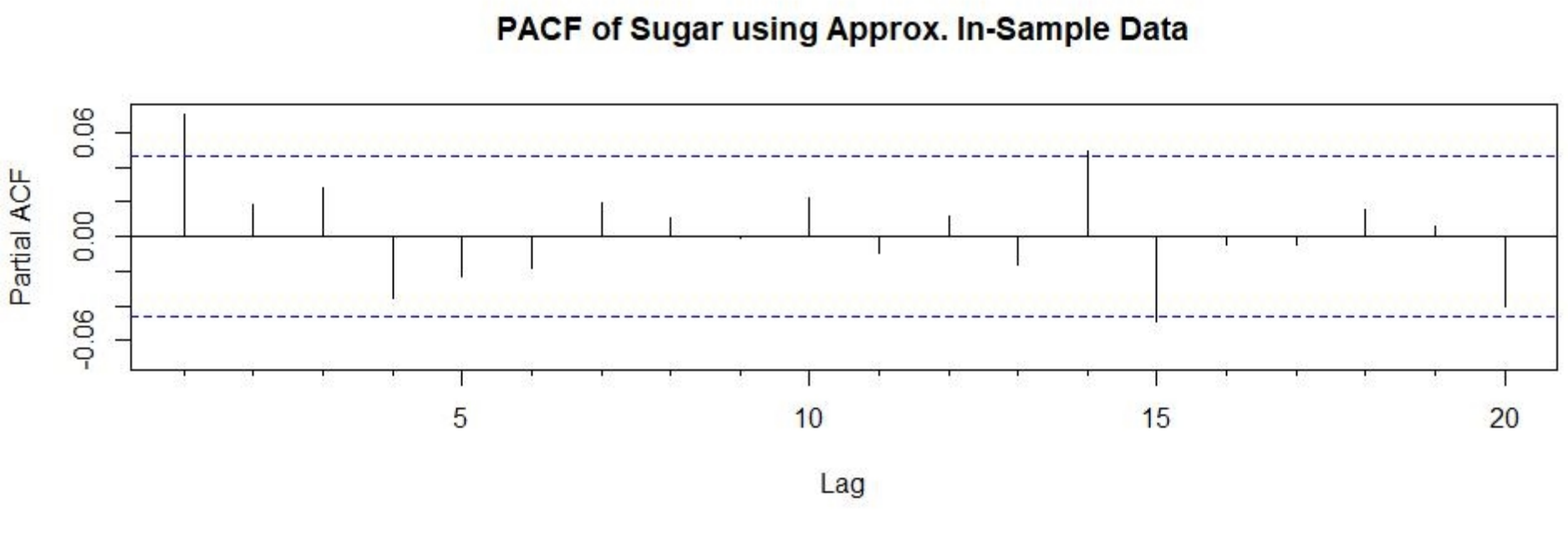

ACF of Silver using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

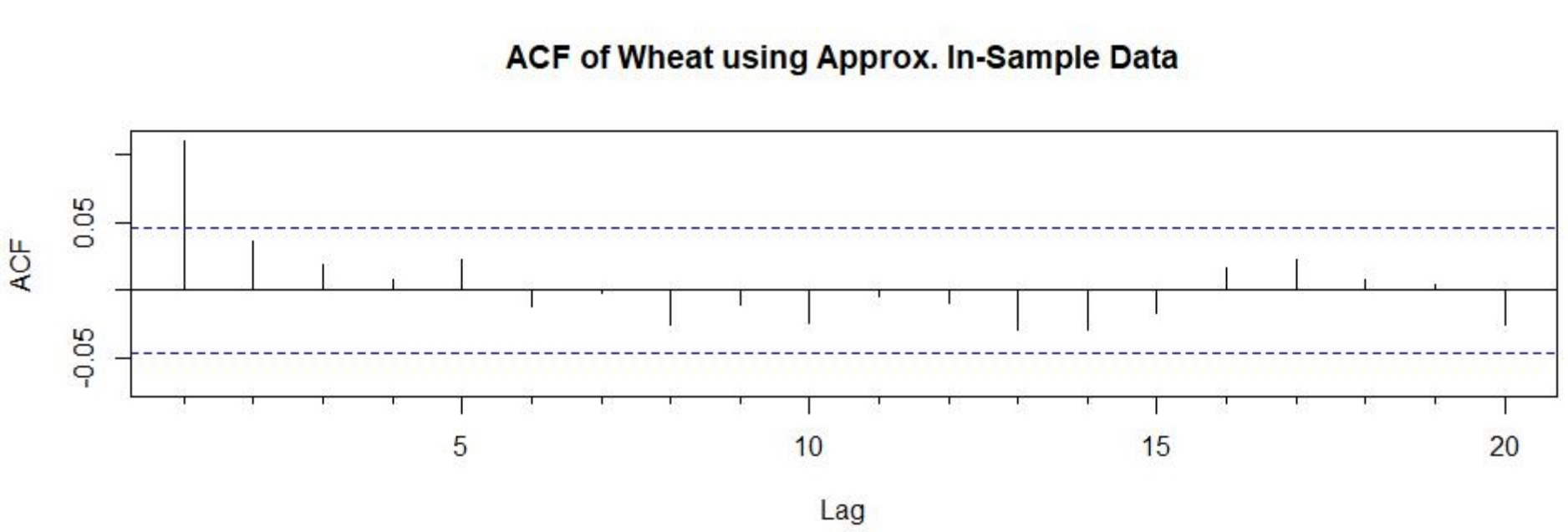

PACF of Silver using Approx. In-Sample Data
Partial ACF
0.05
0.00
-0.05
5
10
15
20
Lag

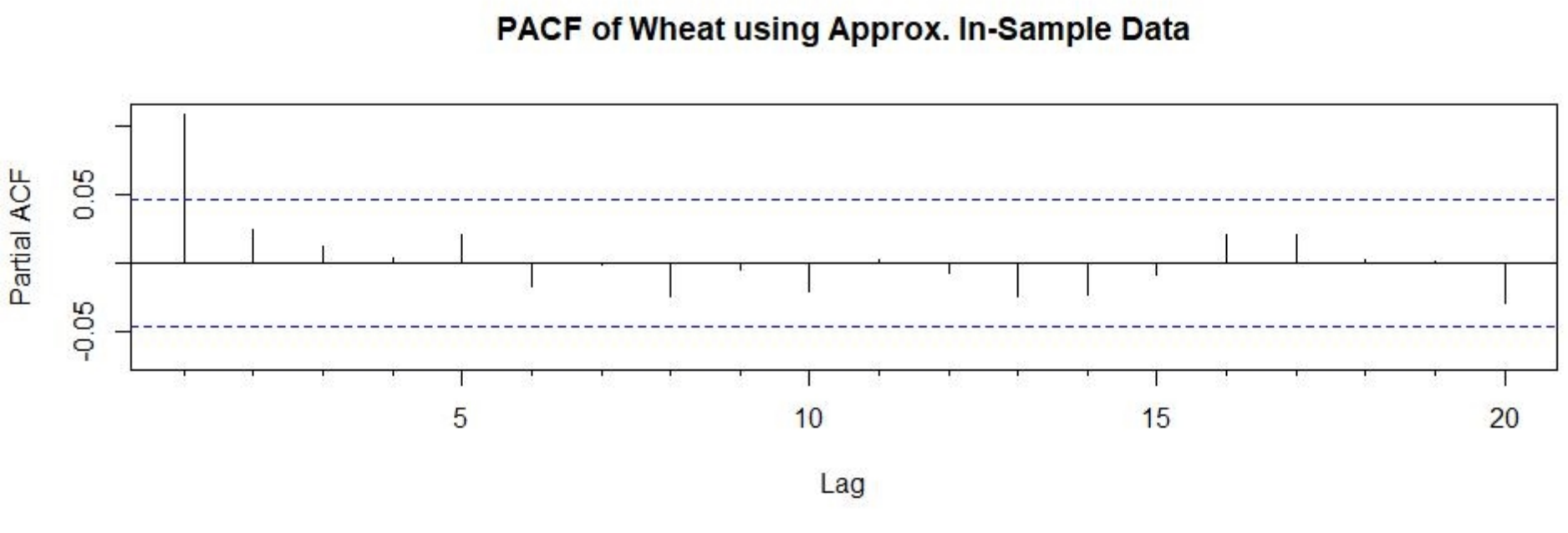

ACF of Soybeans using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

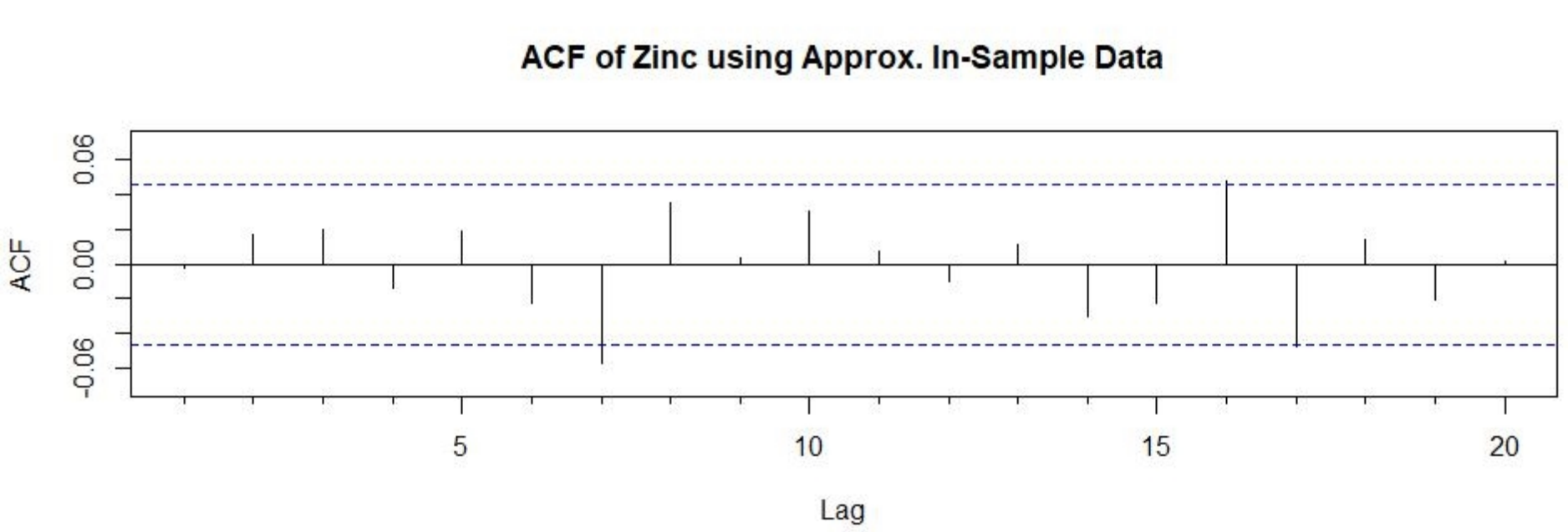

PACF of Soybeans using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

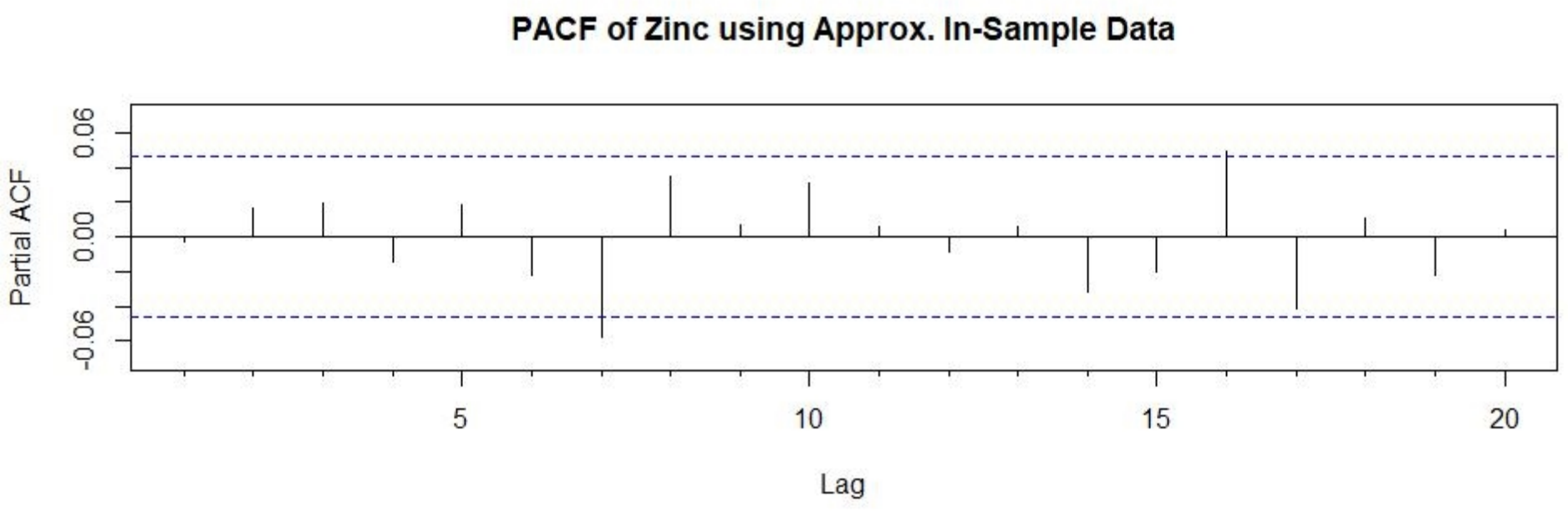

ACF of Sugar using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

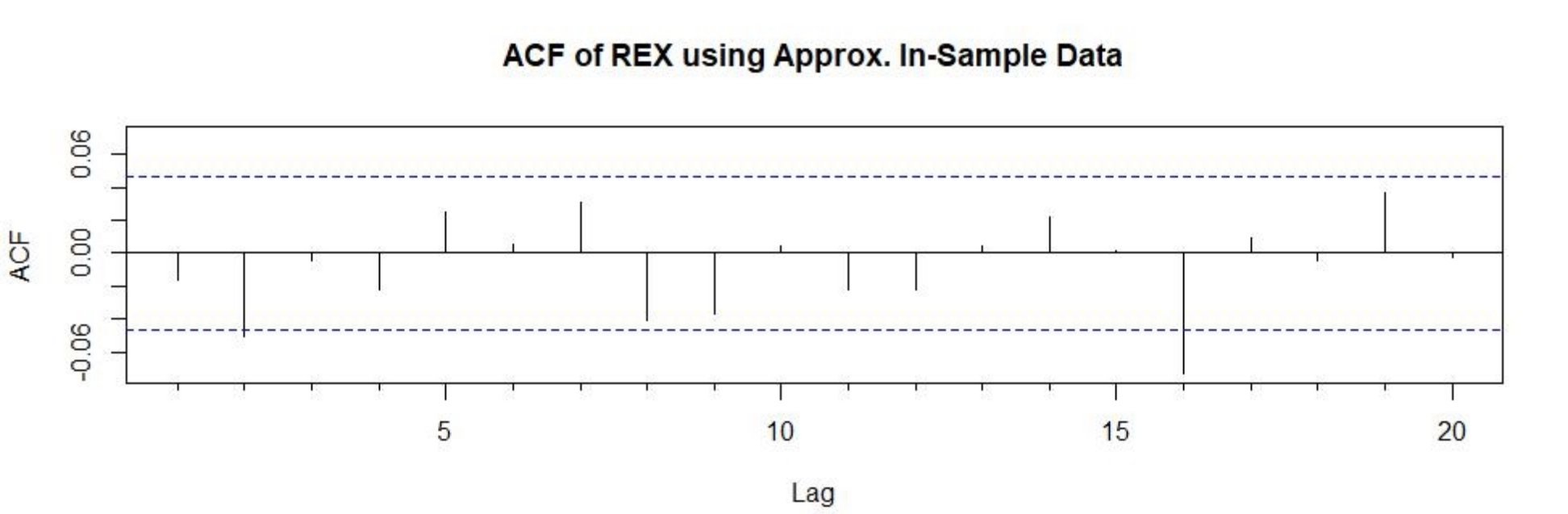

PACF of Sugar using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

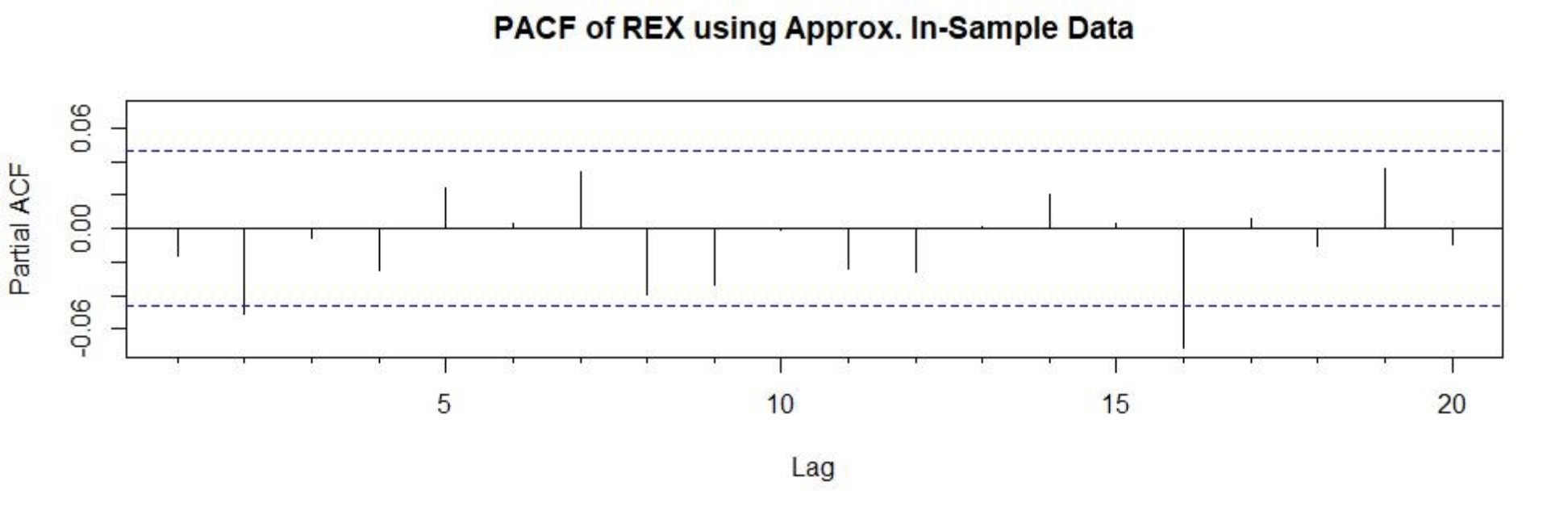

ACF of Wheat using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

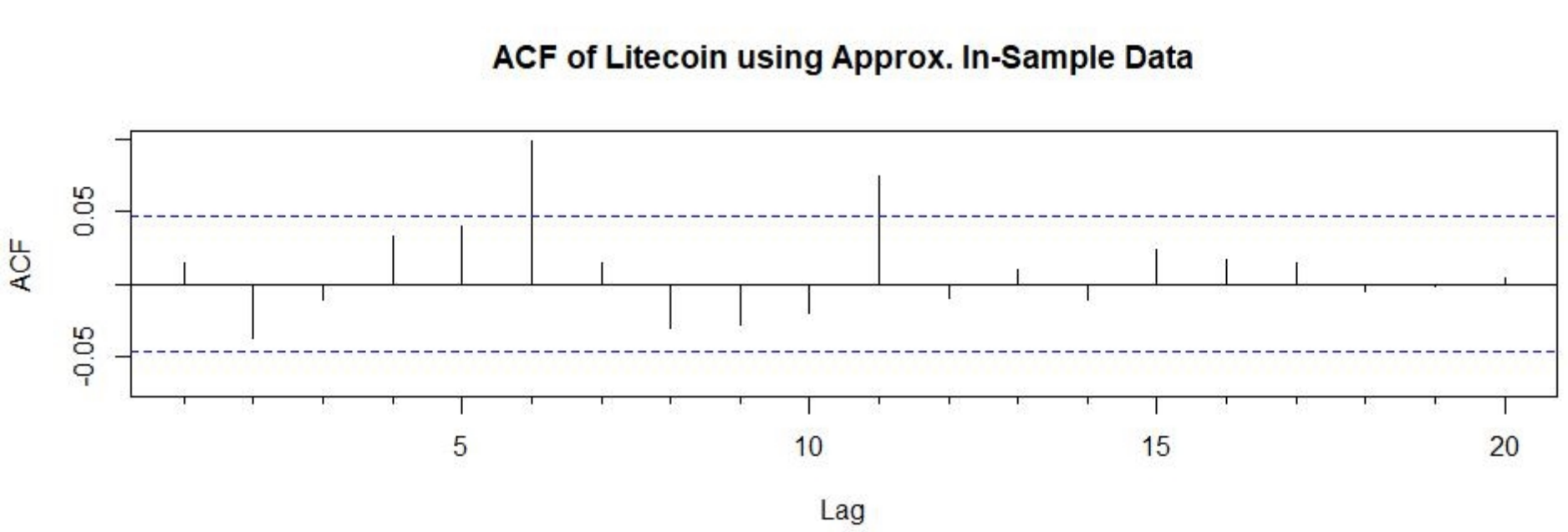

PACF of Wheat using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

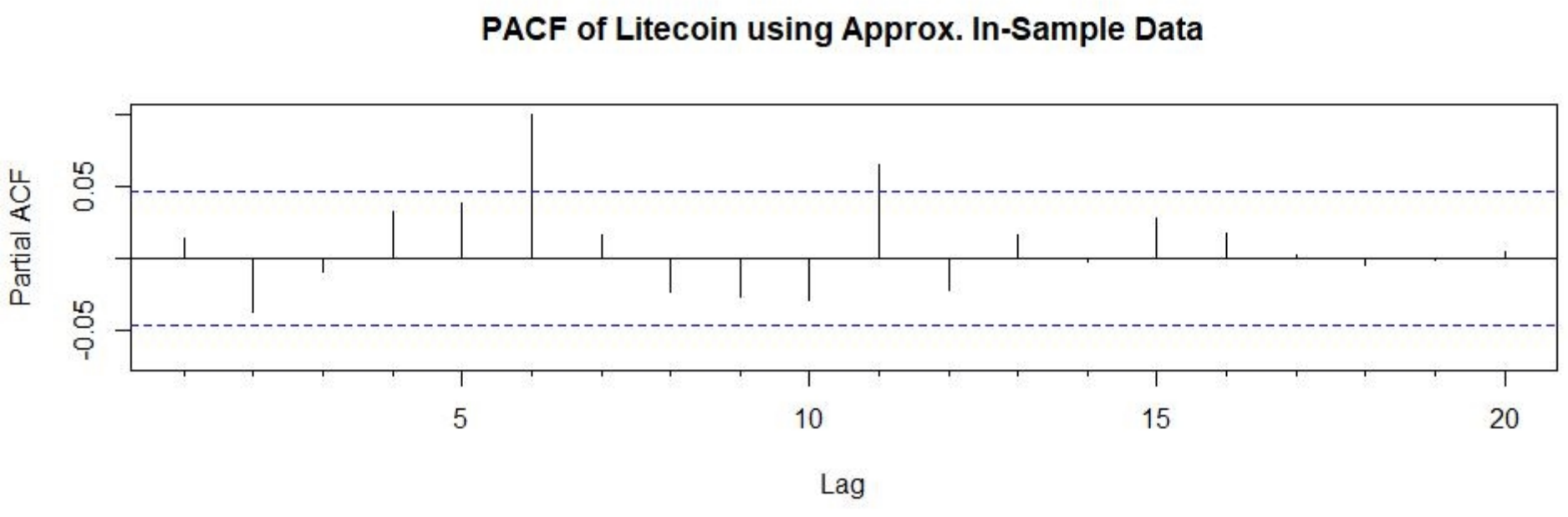

ACF of Zinc using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

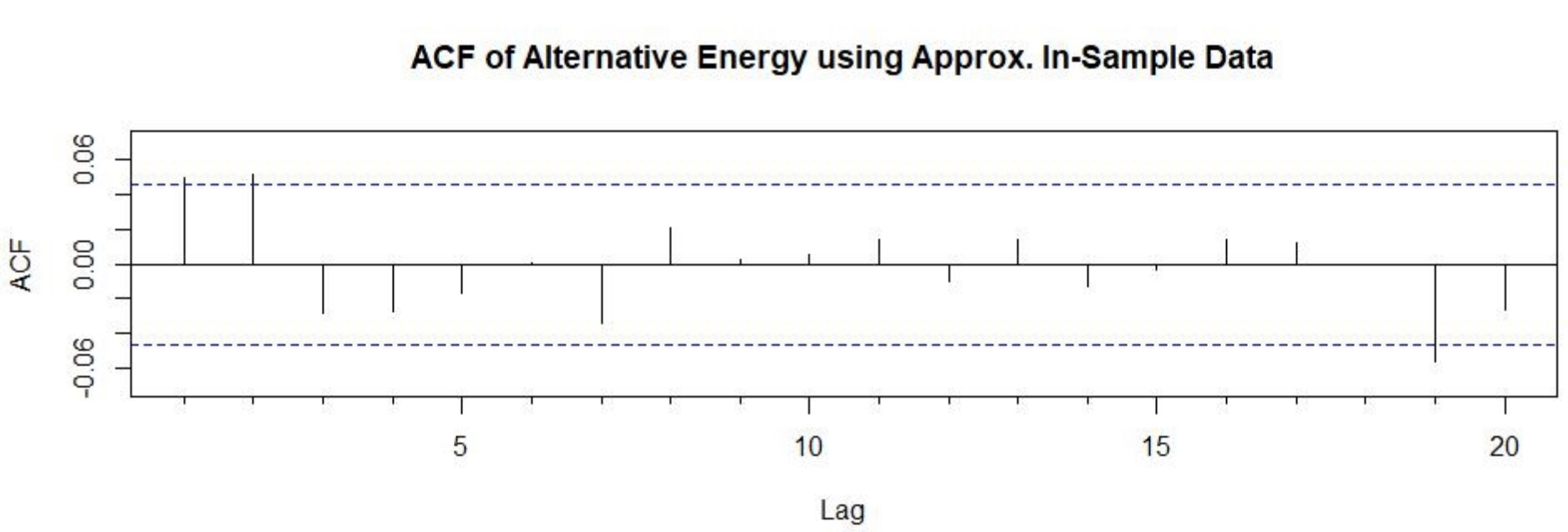

PACF of Zinc using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

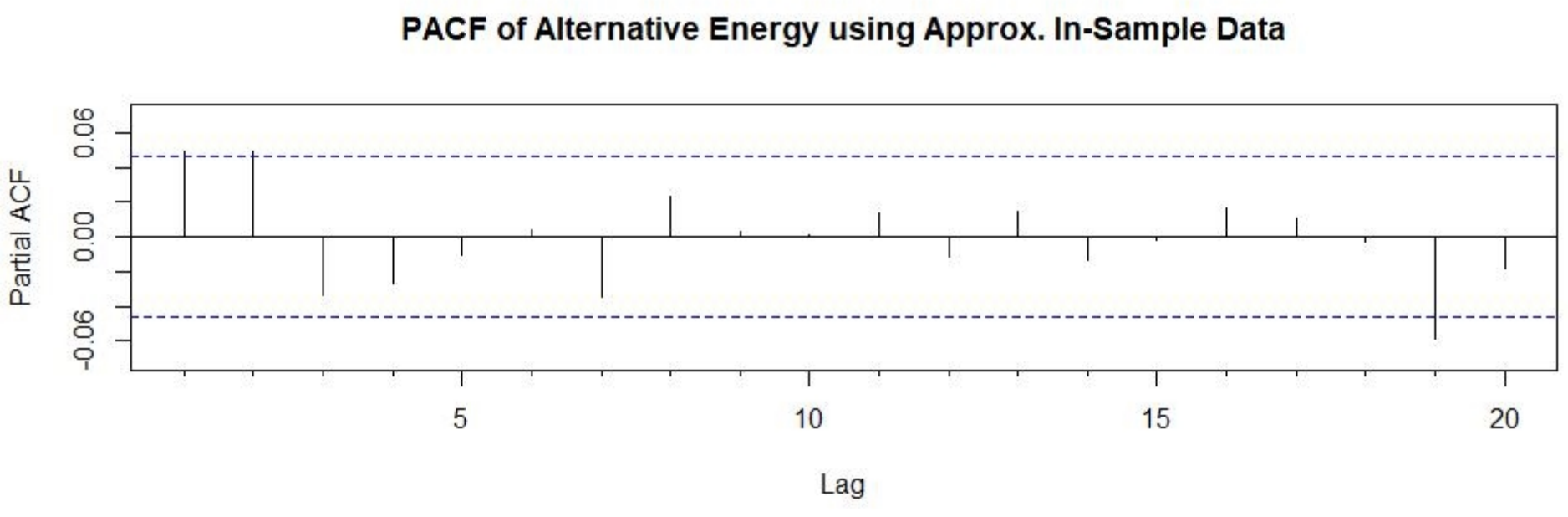

ACF of REX using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

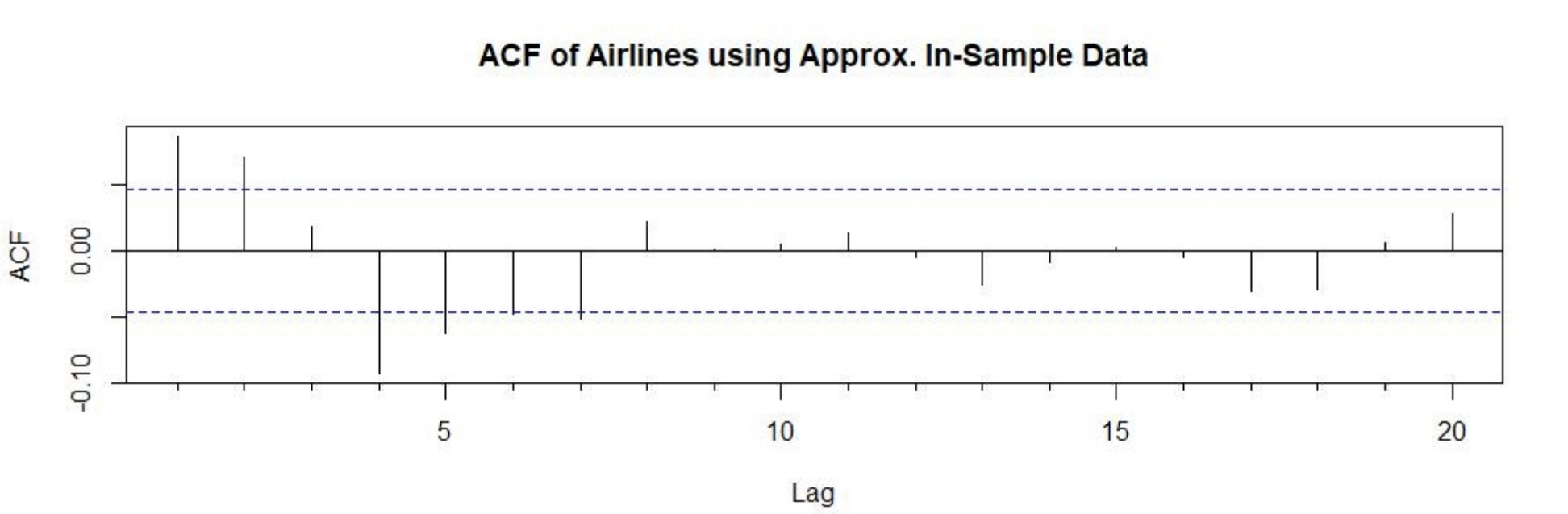

PACF of REX using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

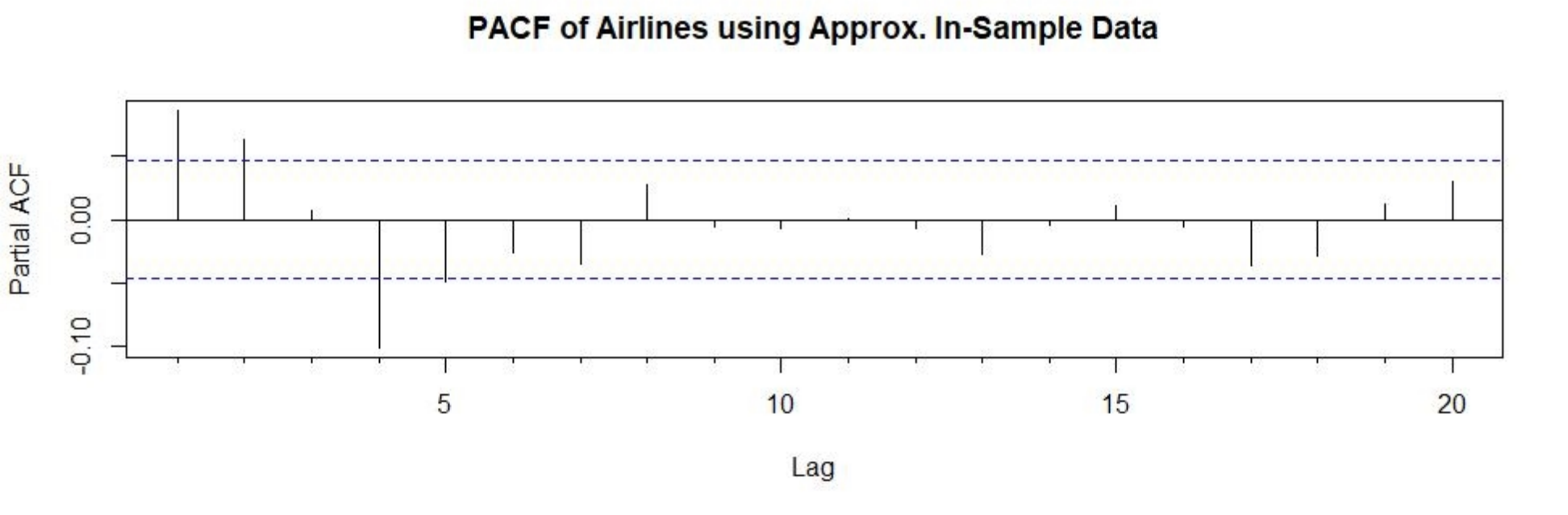

ACF of Litecoin using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

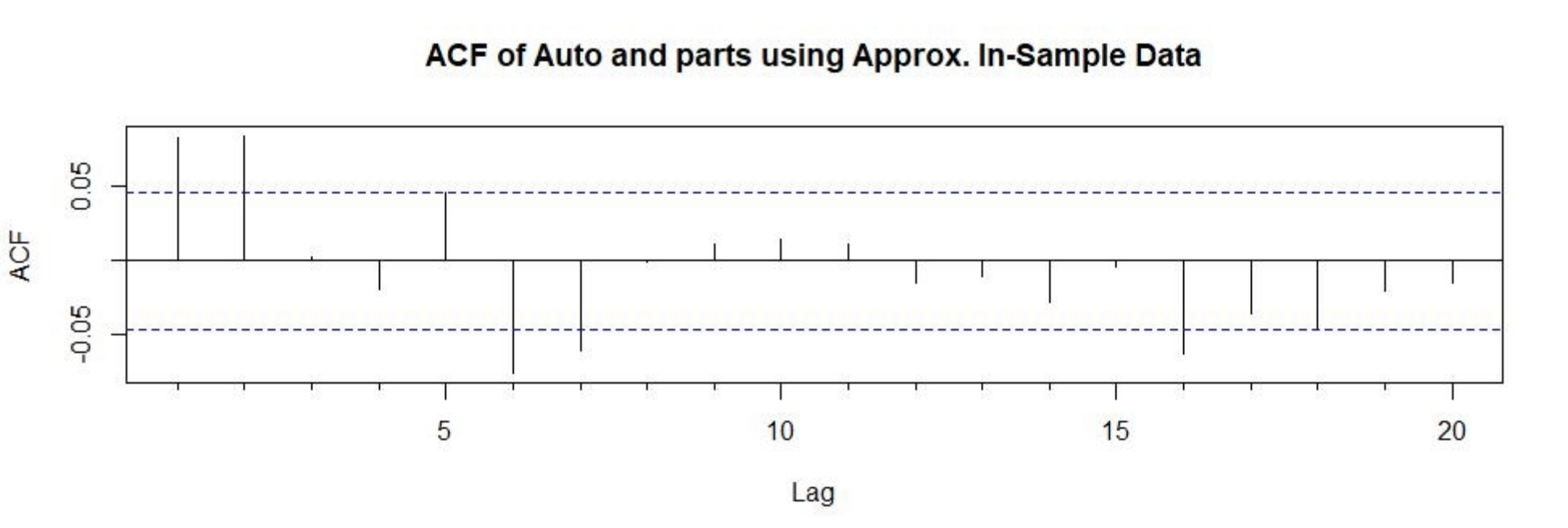

PACF of Litecoin using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

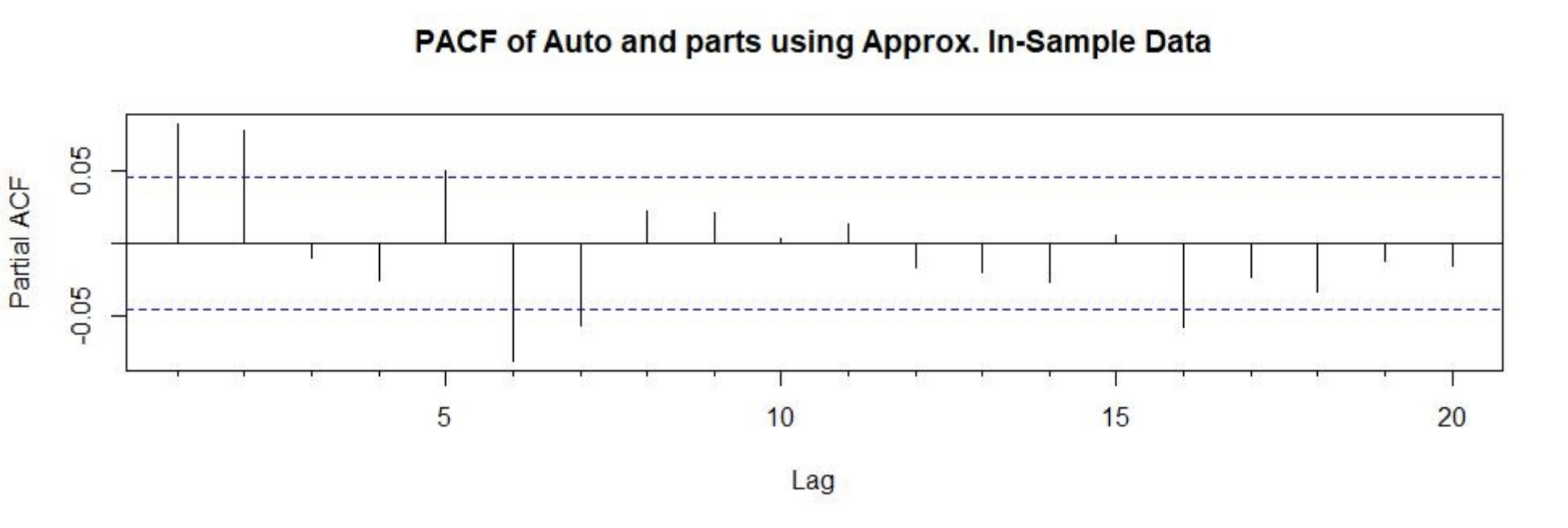

ACF of Alternative Energy using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

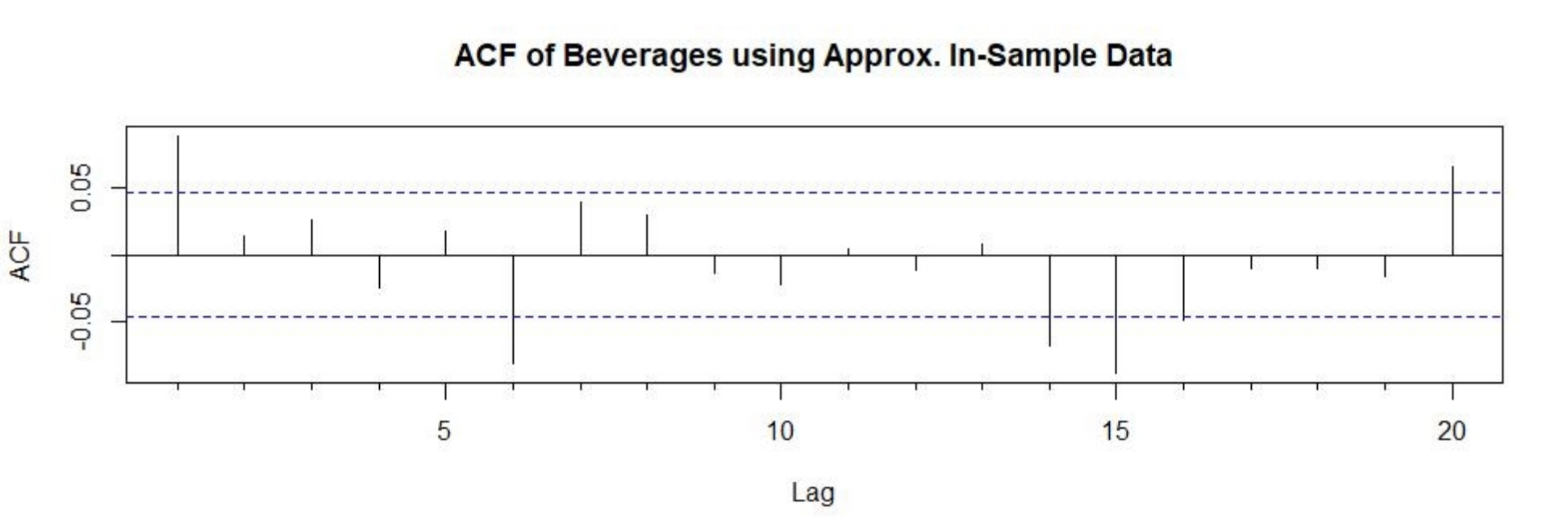

PACF of Alternative Energy using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

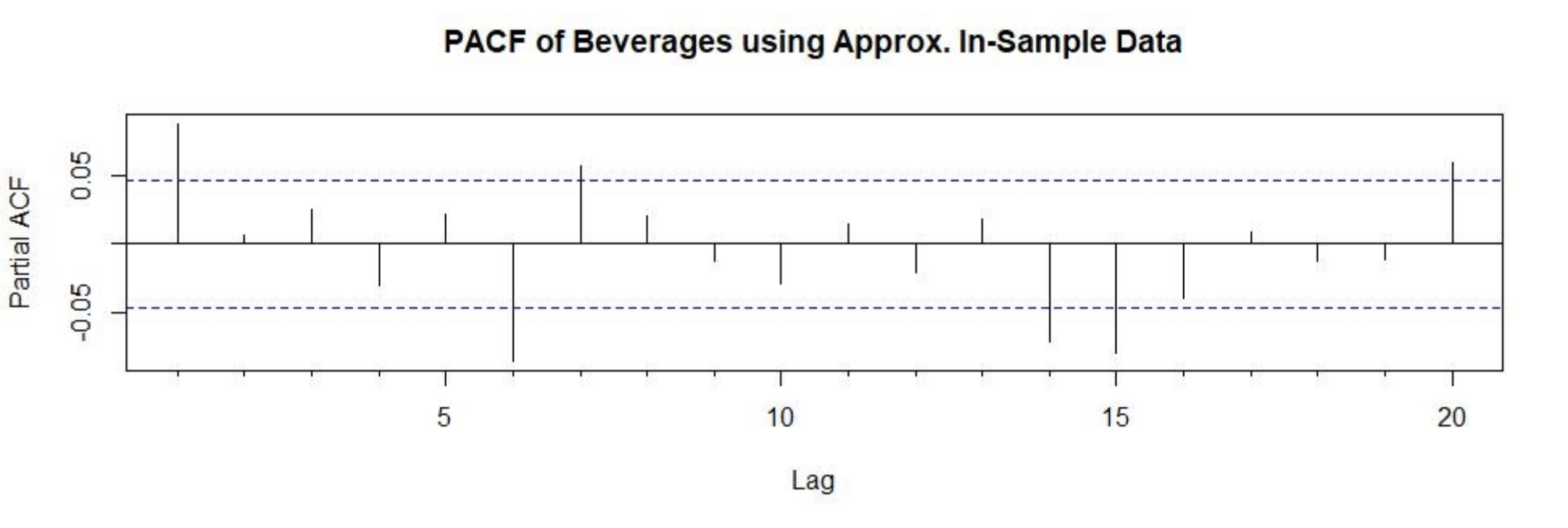

ACF of Airlines using Approx. In-Sample Data
ACF
0.00
-0.10
5
10
15
20
Lag

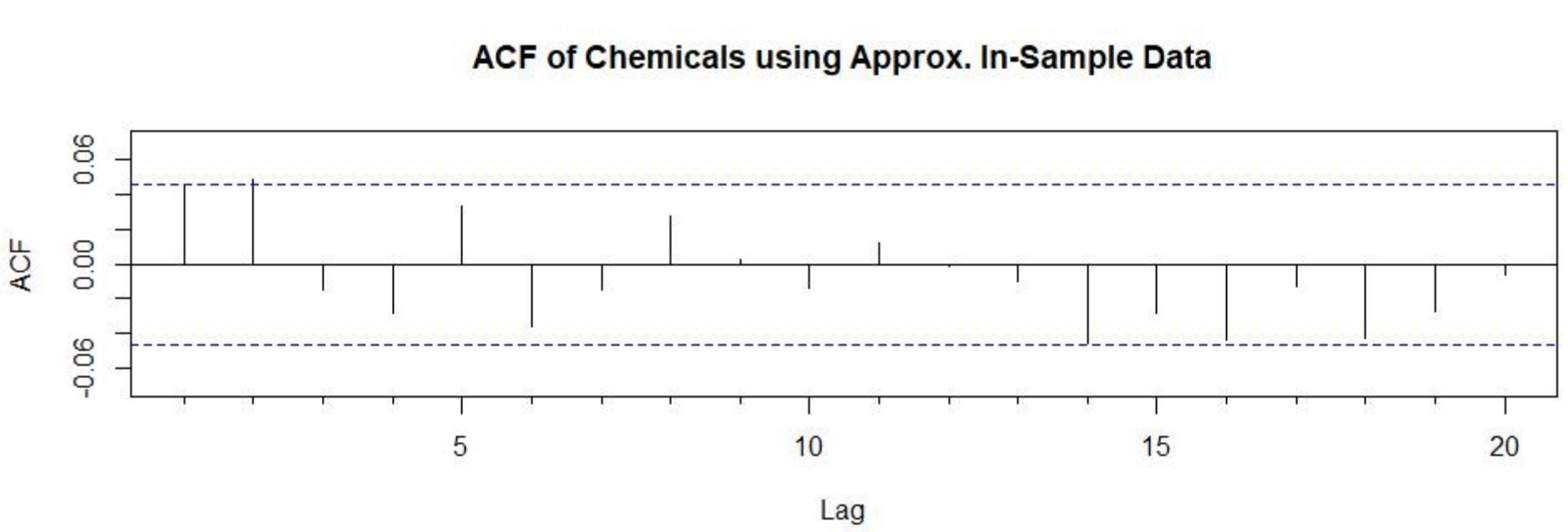

PACF of Airlines using Approx. In-Sample Data
Partial ACF
0.00
-0.10
5
10
15
20
Lag

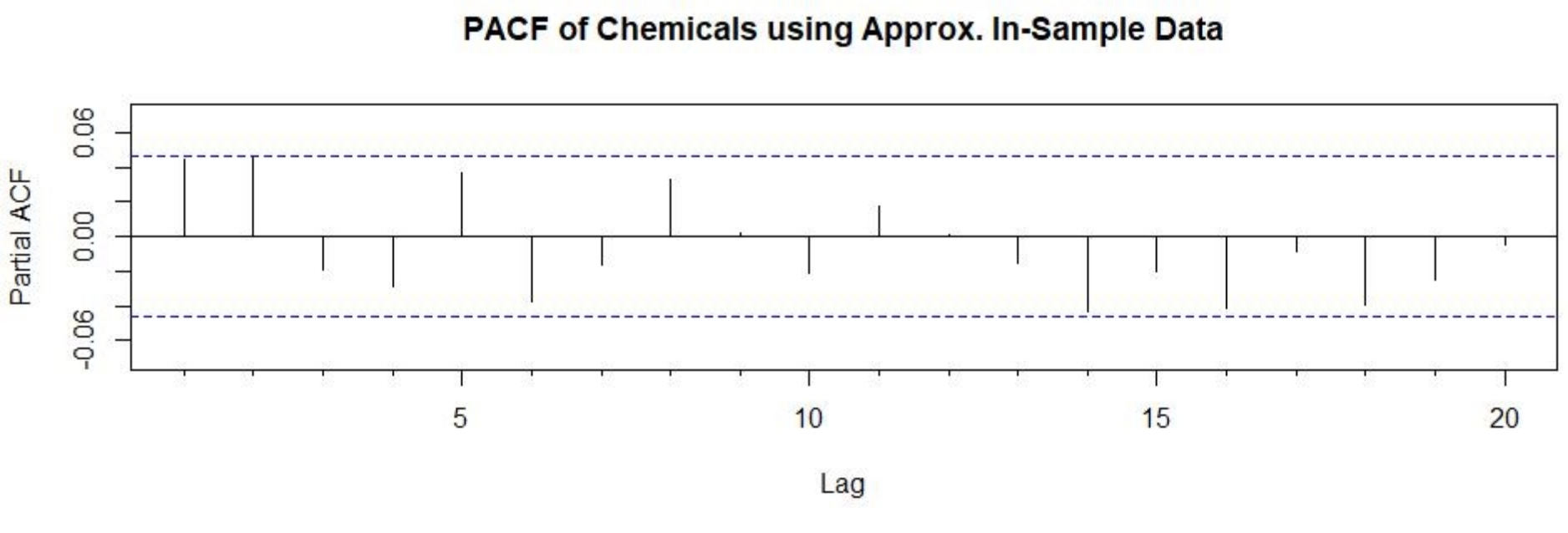

ACF of Auto and parts using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

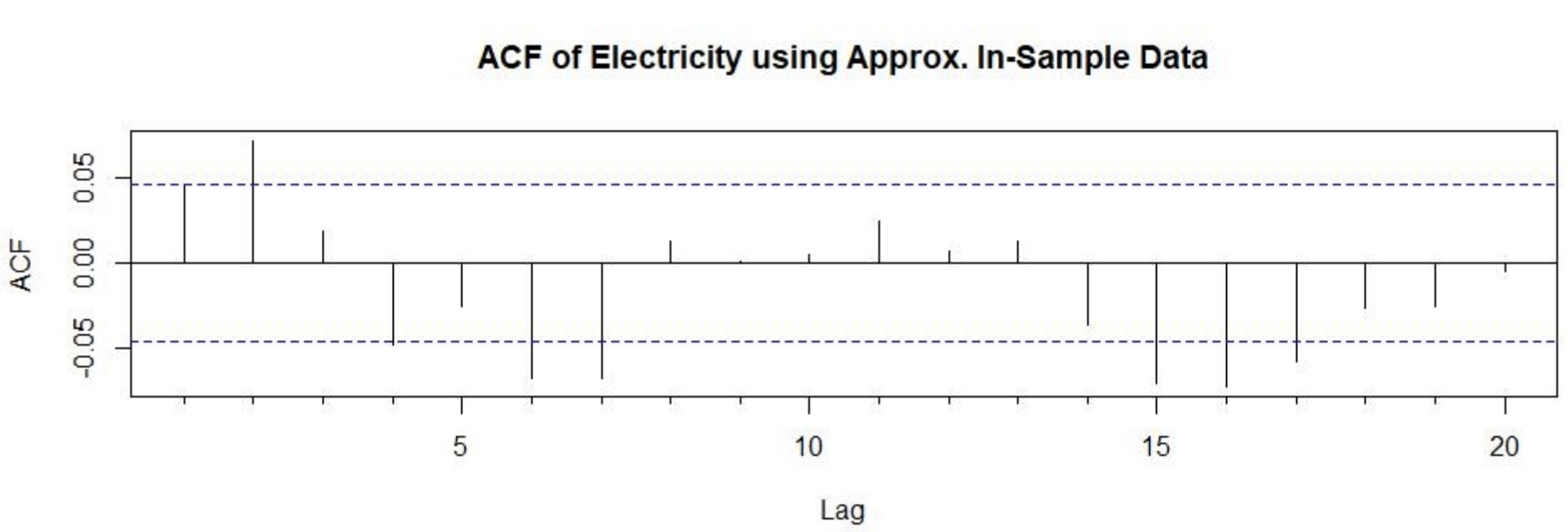

PACF of Auto and parts using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

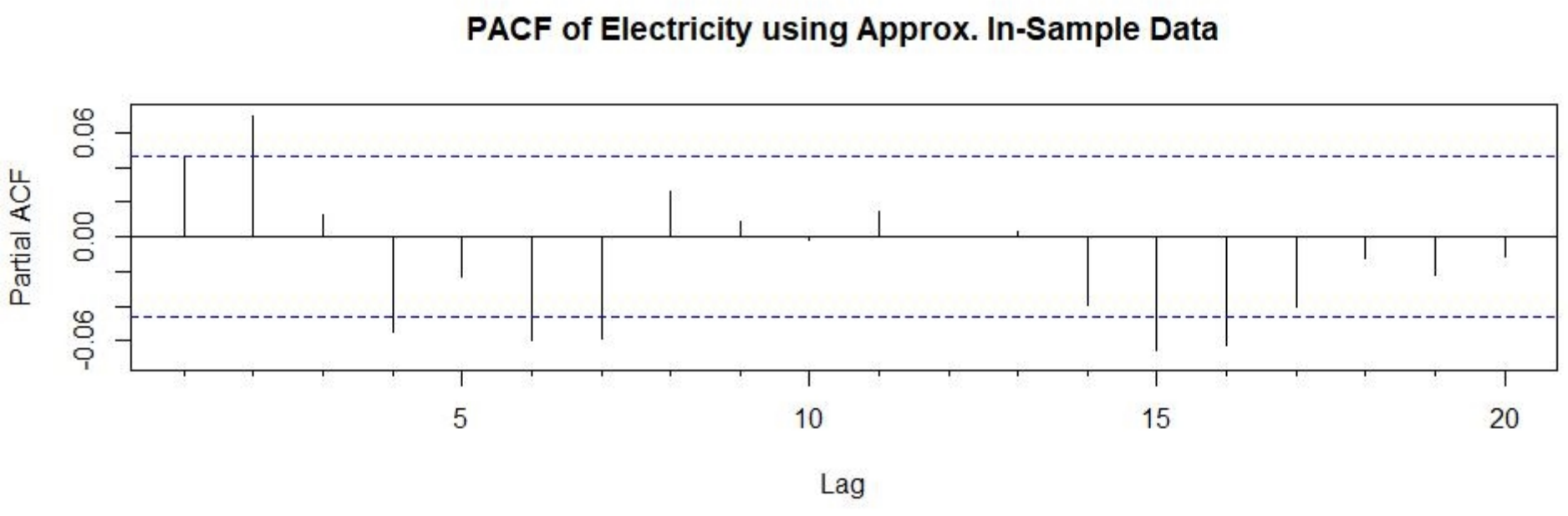

ACF of Beverages using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

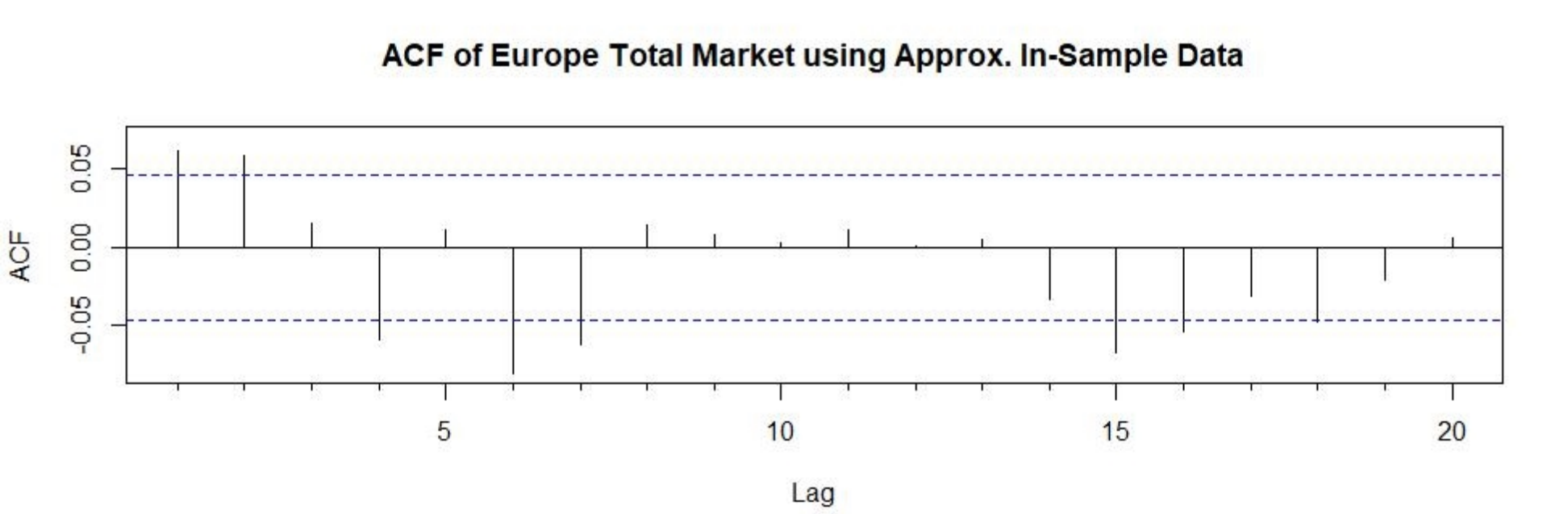

PACF of Beverages using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

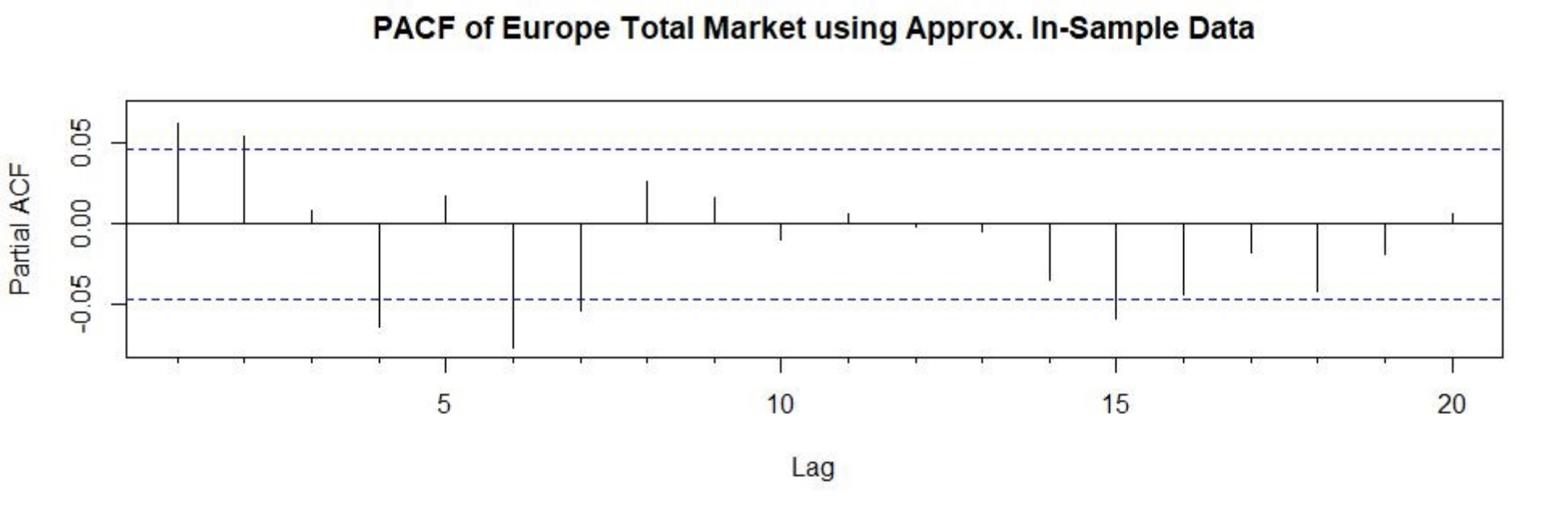

ACF of Chemicals using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

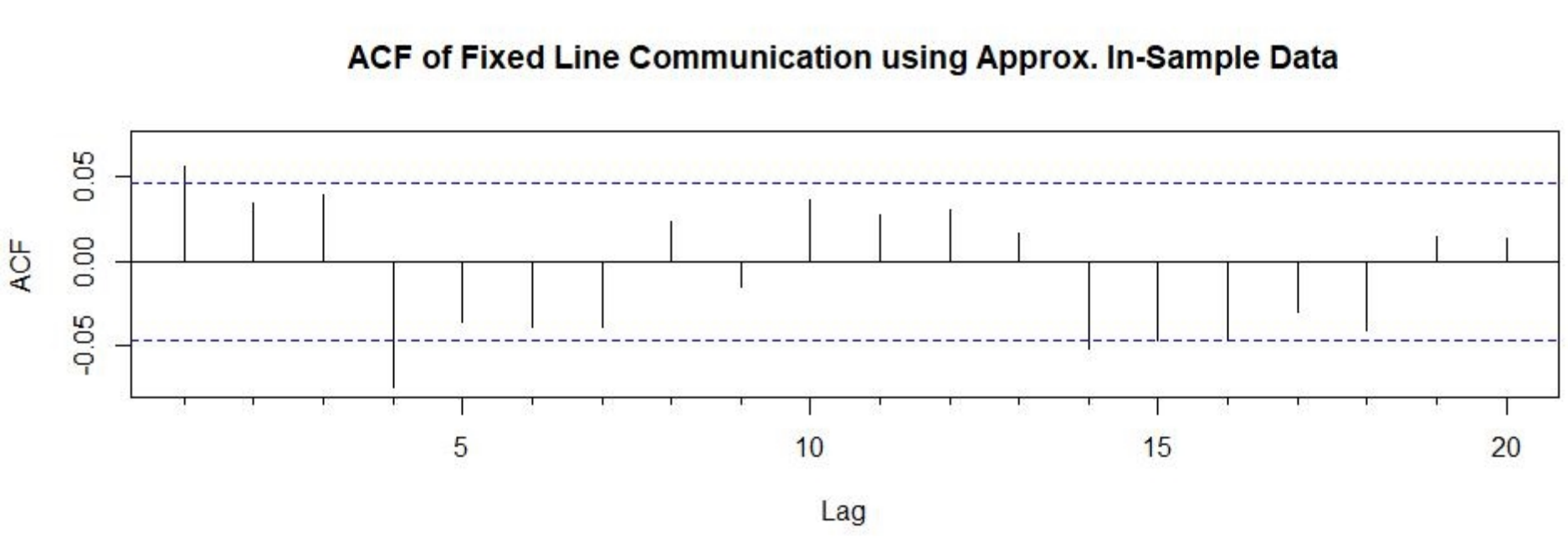

PACF of Chemicals using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

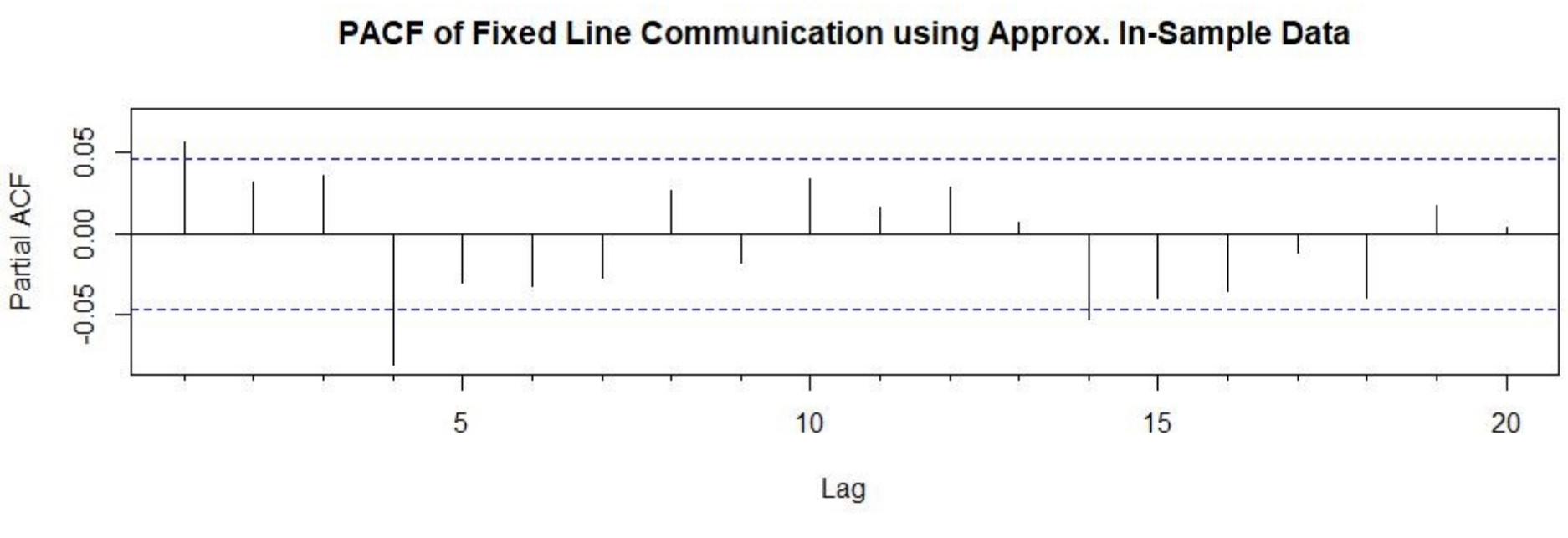

ACF of Electricity using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

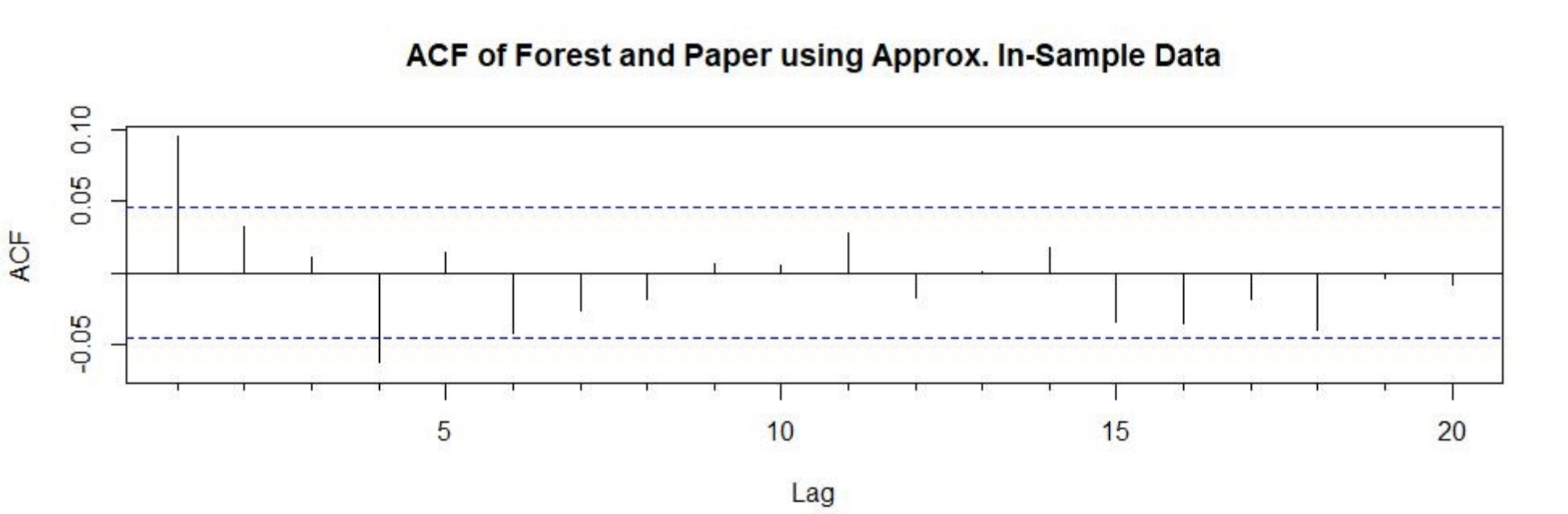

PACF of Electricity using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

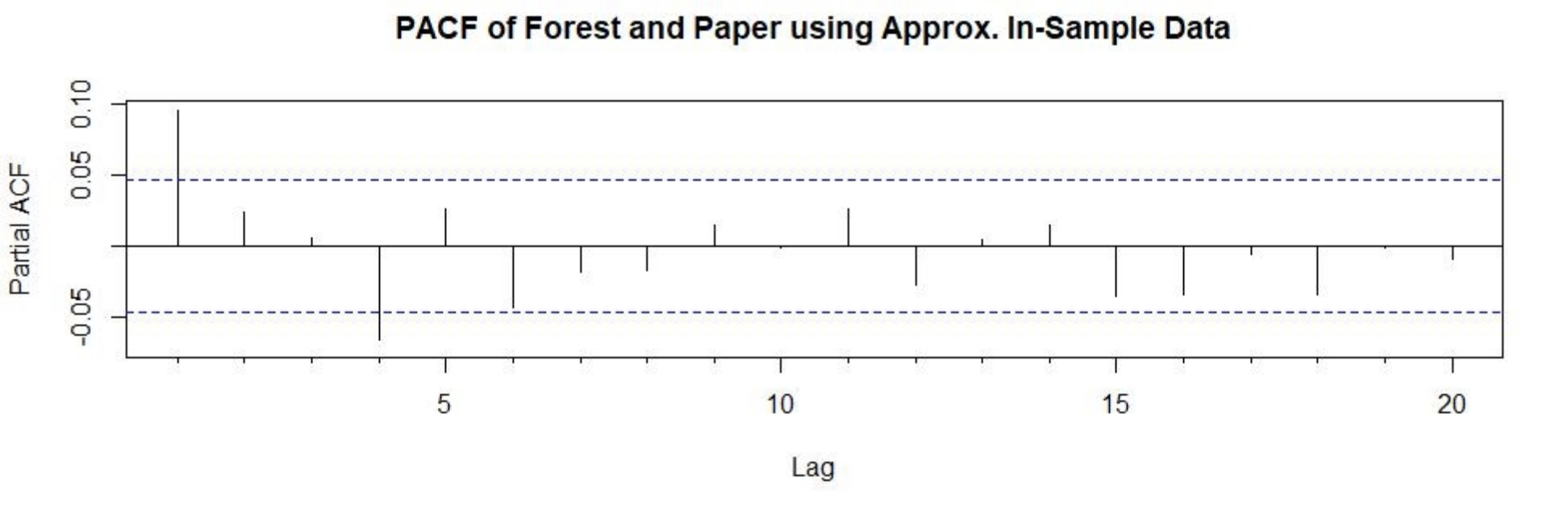

ACF of Europe Total Market using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

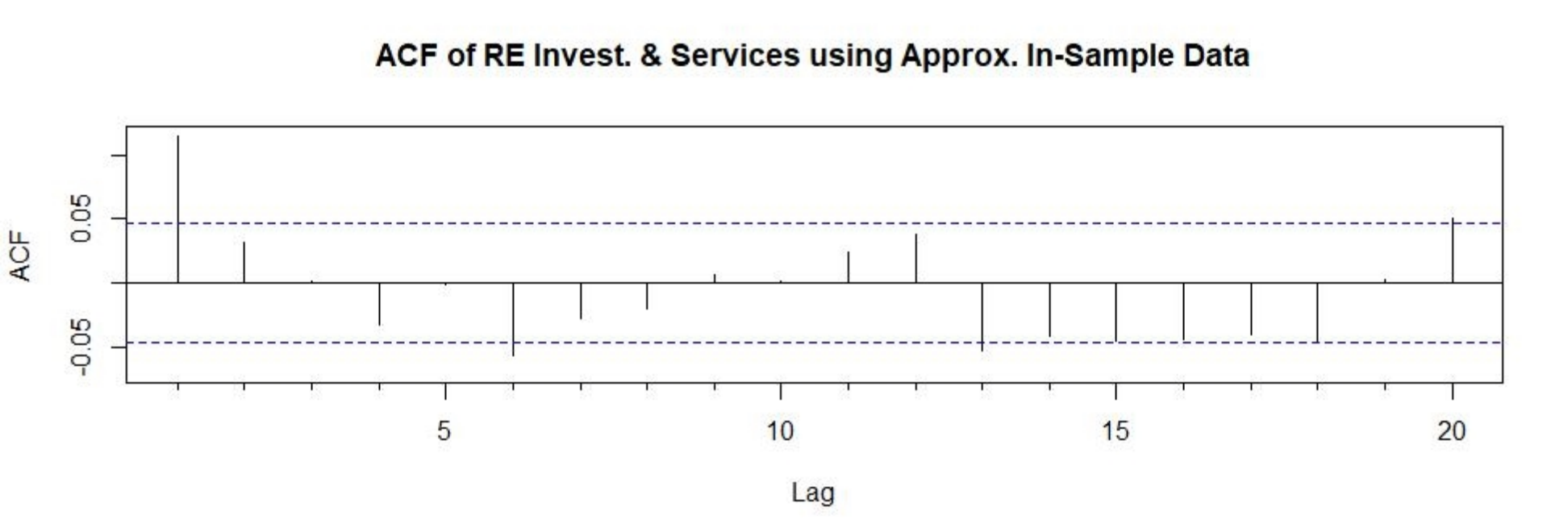

PACF of Europe Total Market using Approx. In-Sample Data
Partial ACF
0.05
0.00
-0.05
5
10
15
20
Lag

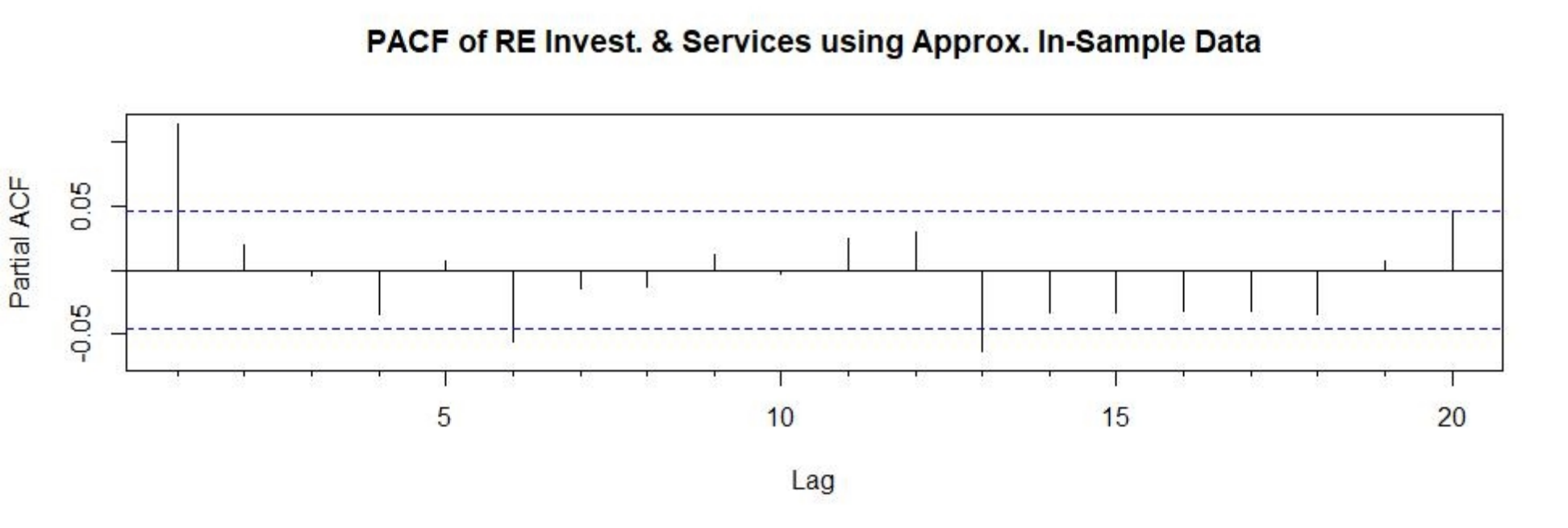

ACF of Fixed Line Communication using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

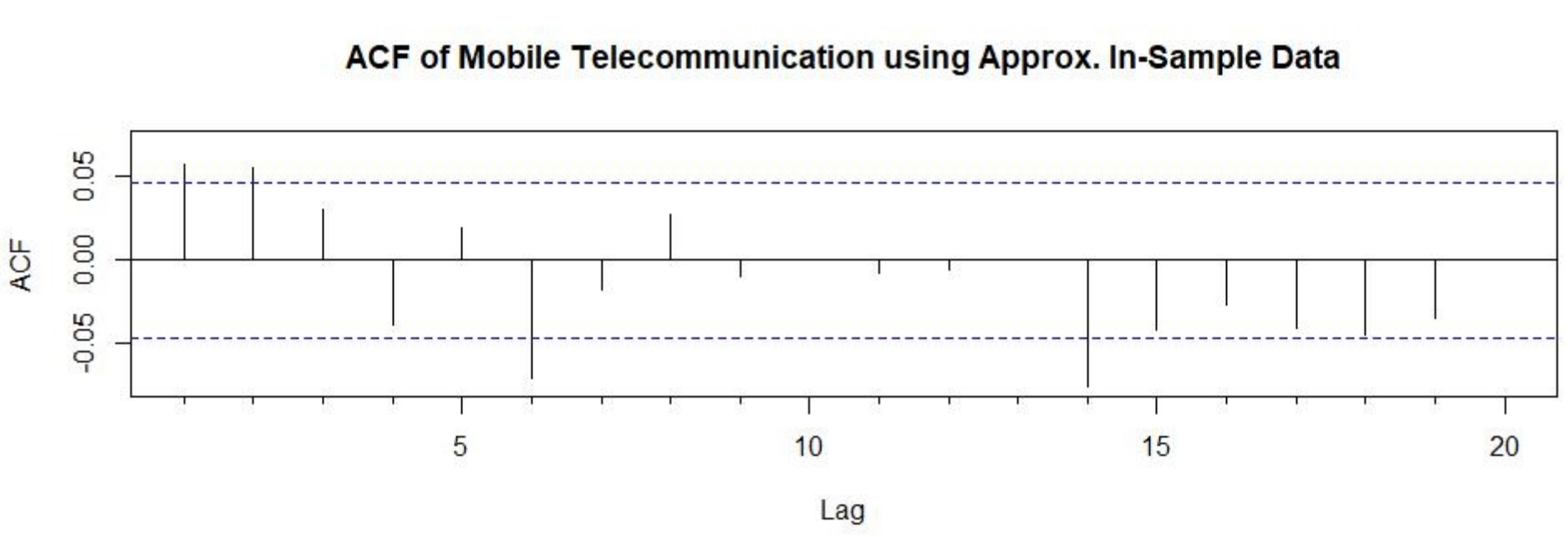

PACF of Fixed Line Communication using Approx. In-Sample Data
Partial ACF
0.05
0.00
-0.05
5
10
15
20
Lag

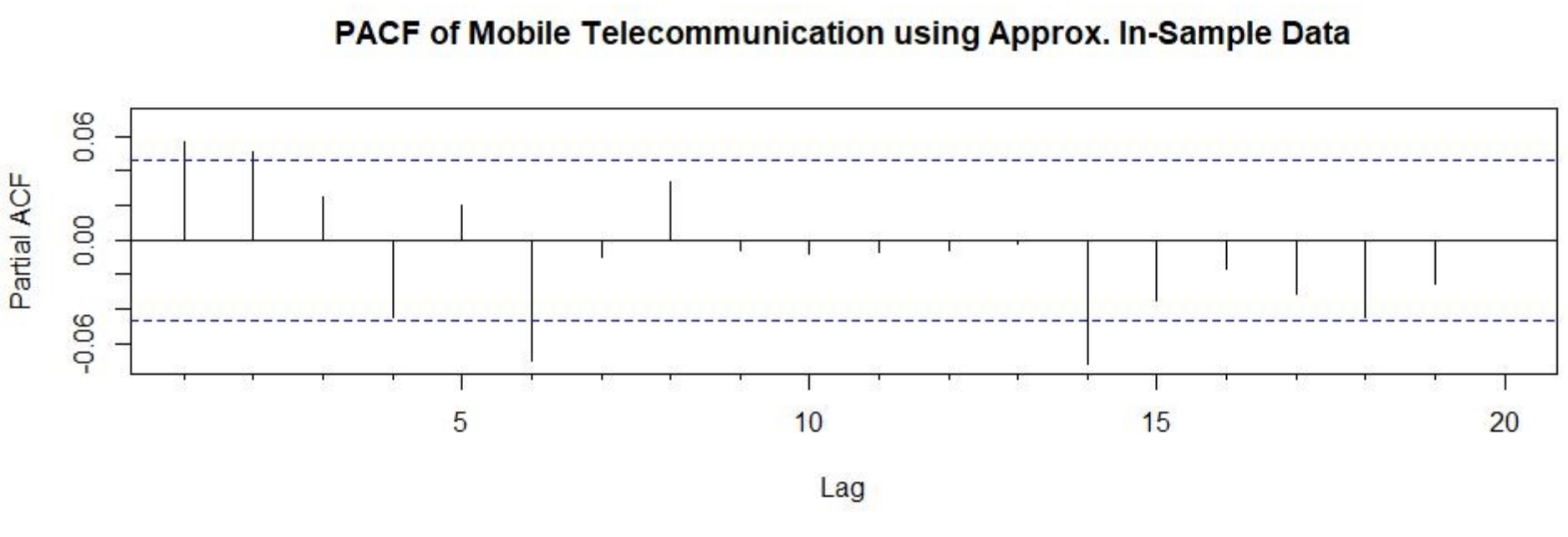

ACF of Forest and Paper using Approx. In-Sample Data
ACF
0.10
0.05
-0.05
5
10
15
20
Lag

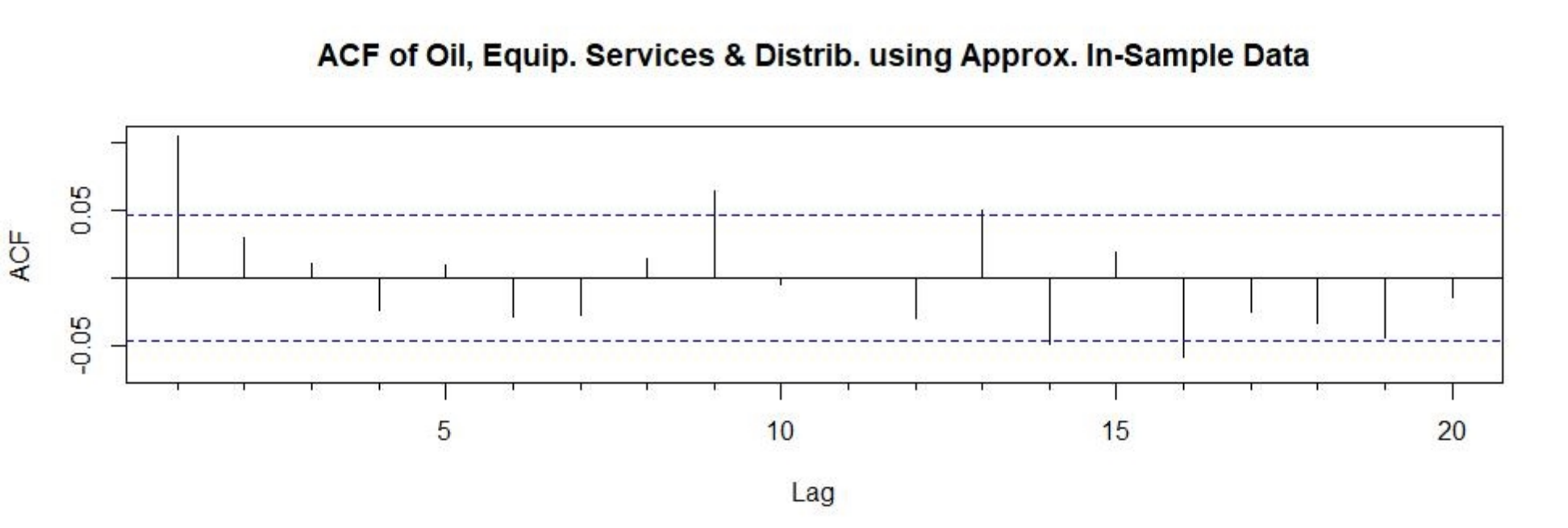

PACF of Forest and Paper using Approx. In-Sample Data
Partial ACF
0.10
0.05
-0.05
5
10
15
20
Lag

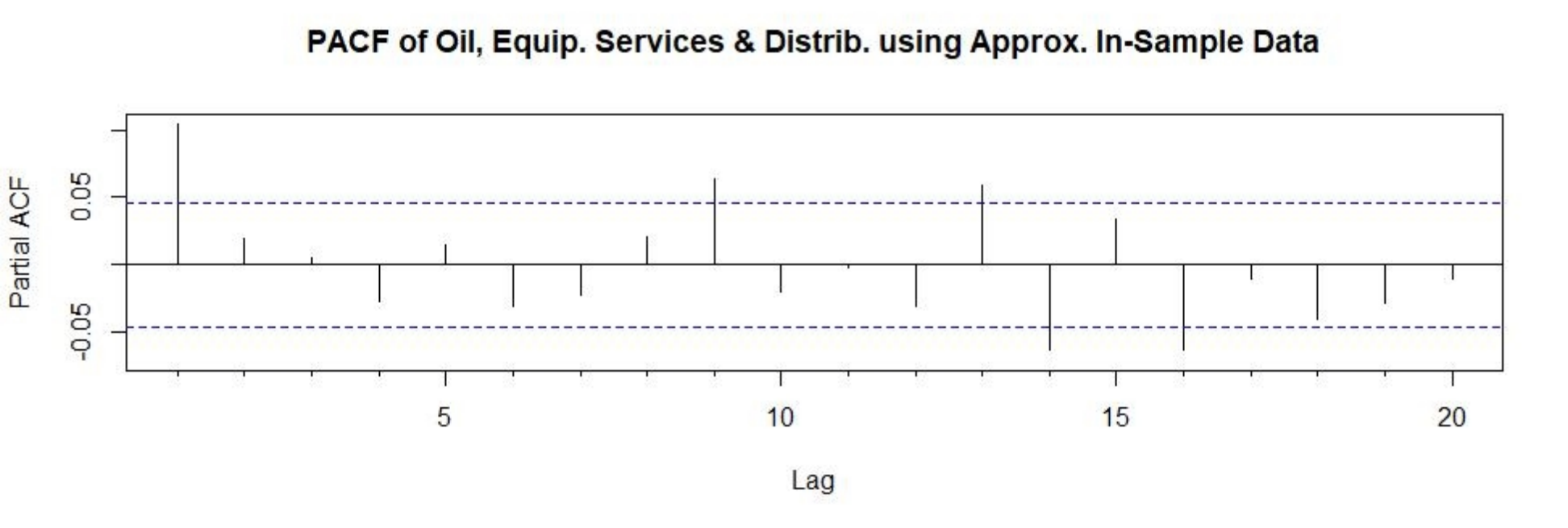

ACF of RE Invest. & Services using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

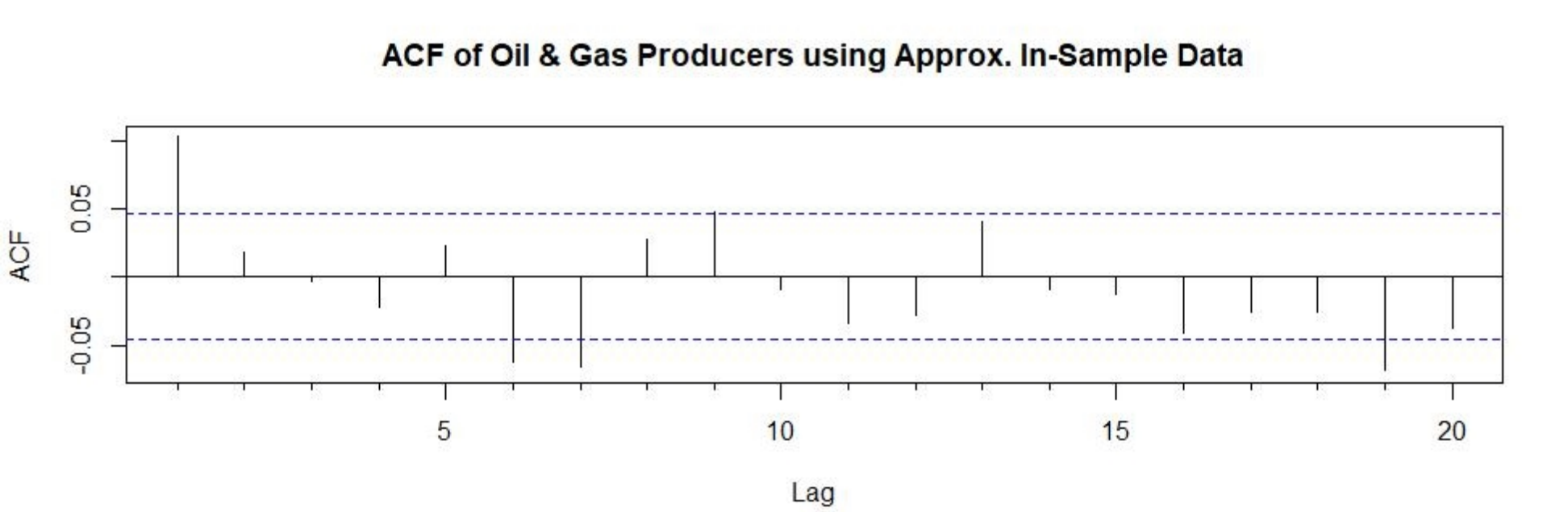

PACF of RE Invest. & Services using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

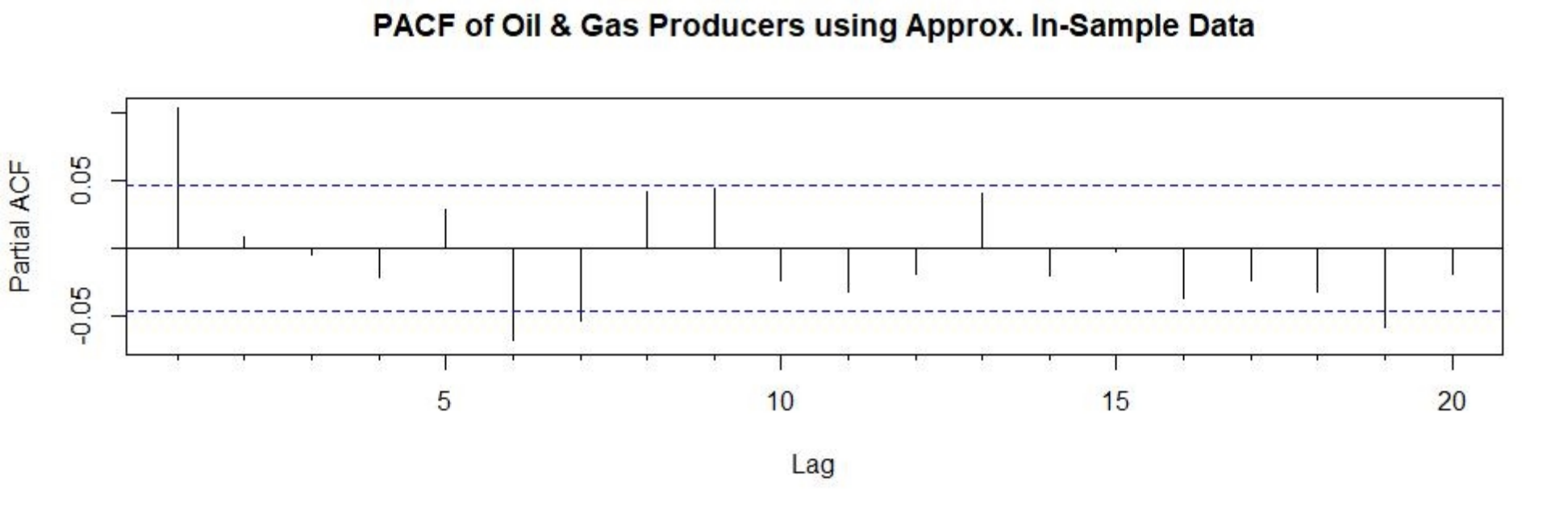

ACF of Mobile Telecommunication using Approx. In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

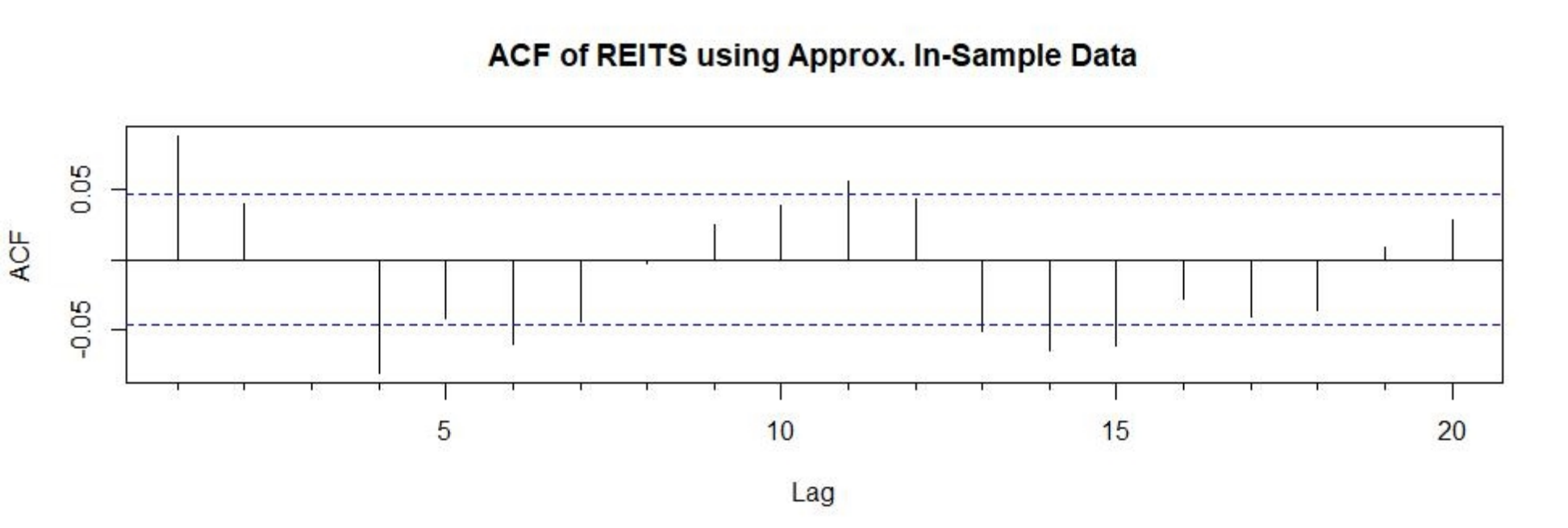

PACF of Mobile Telecommunication using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

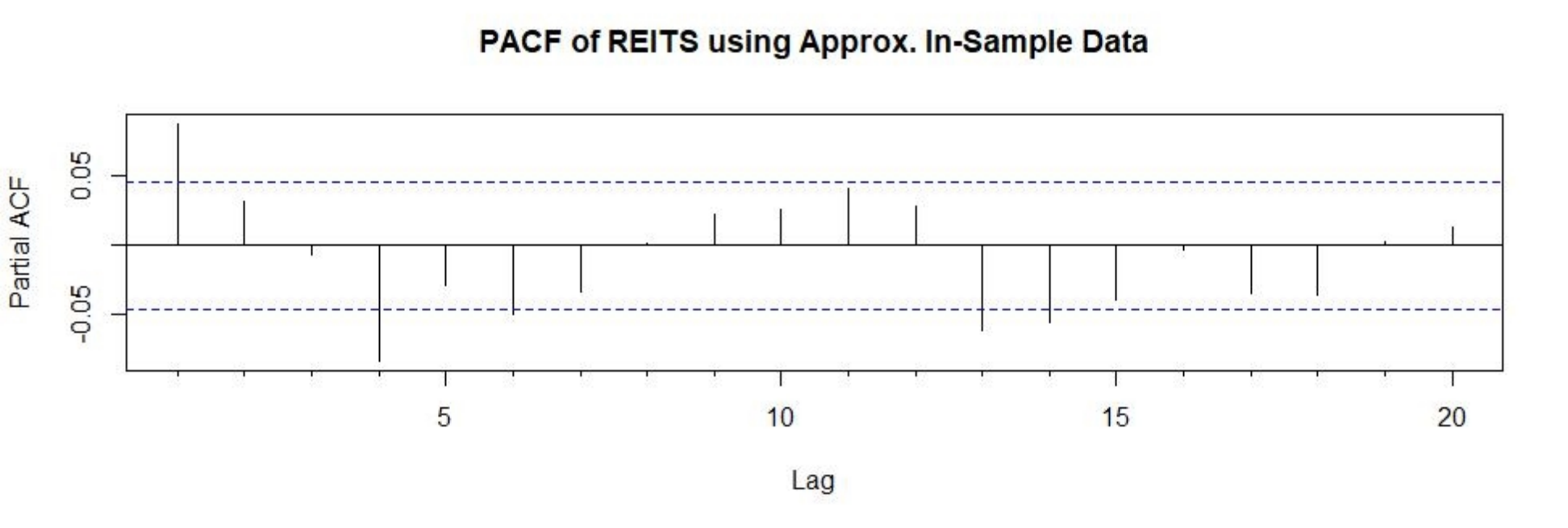

ACF of Oil, Equip. Services & Distrib. using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

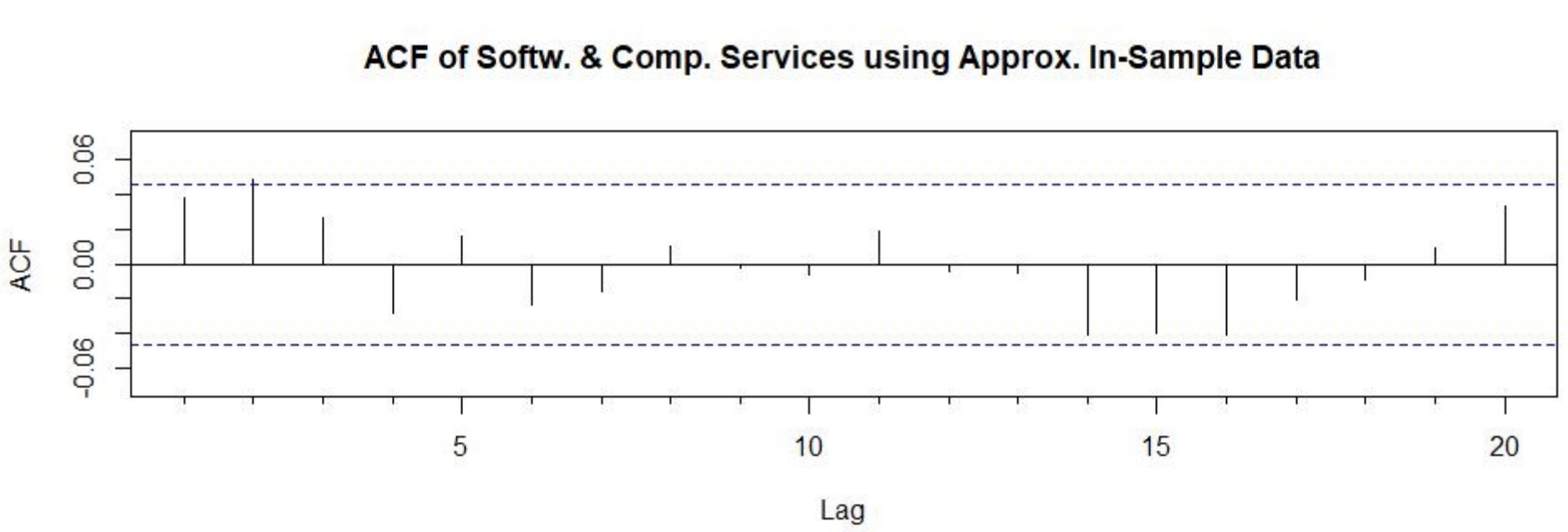

PACF of Oil, Equip. Services & Distrib. using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

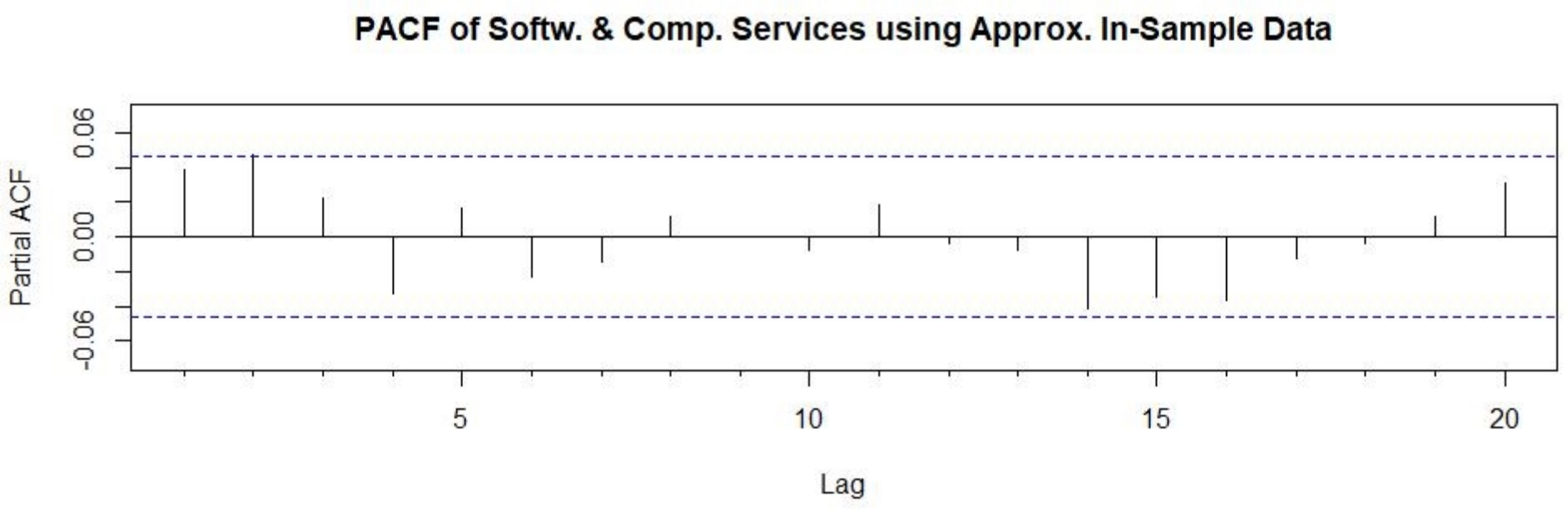

ACF of Oil & Gas Producers using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

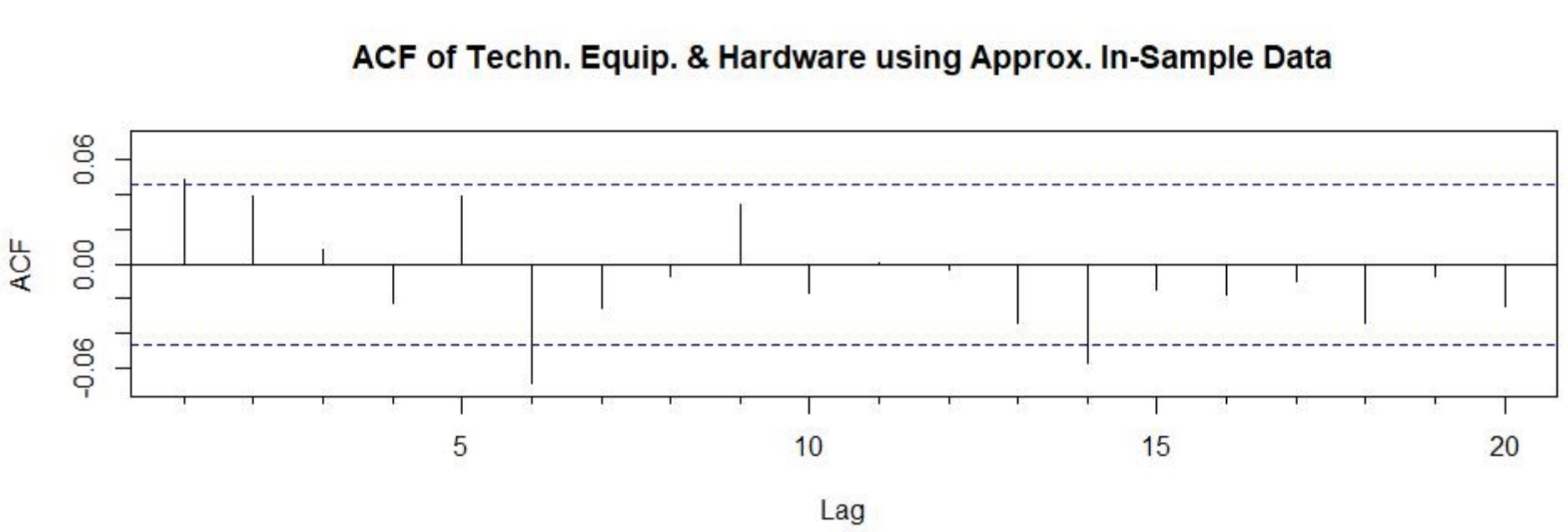

PACF of Oil & Gas Producers using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

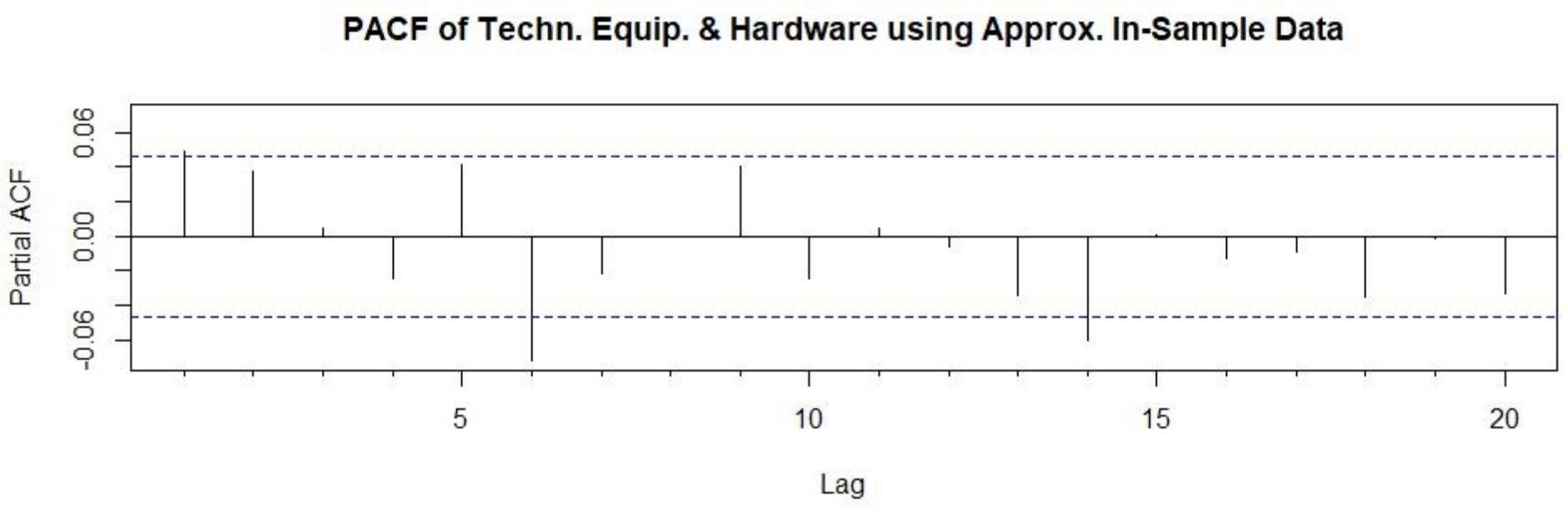

ACF of REITS using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag

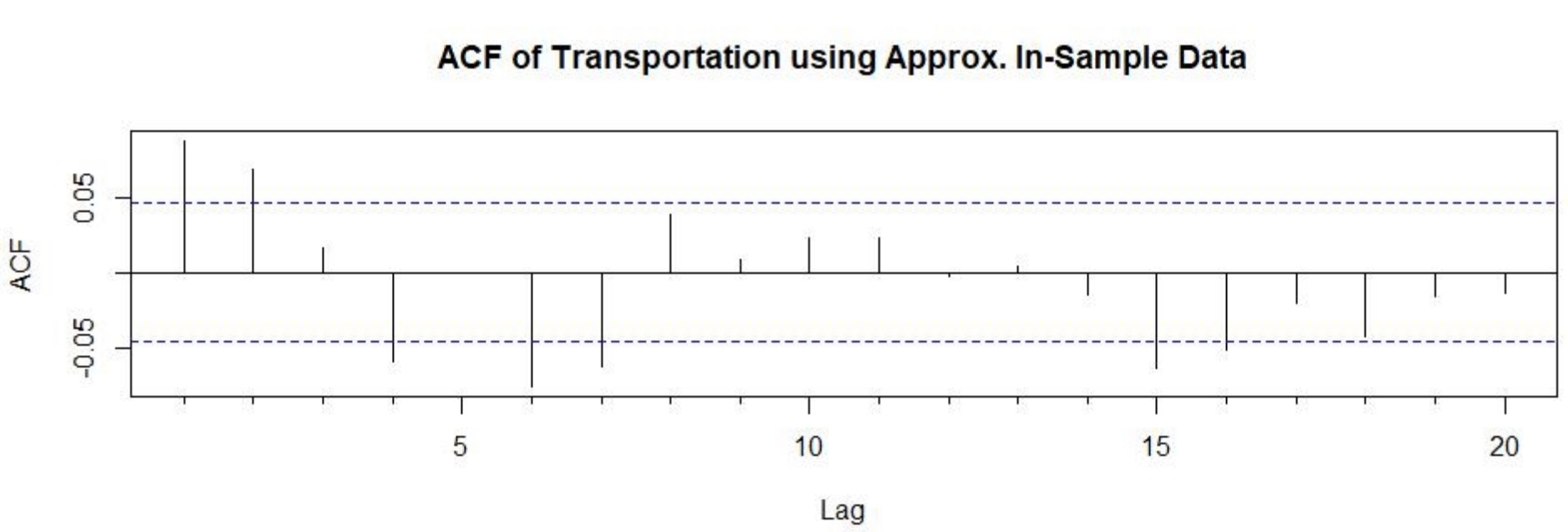

PACF of REITS using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag

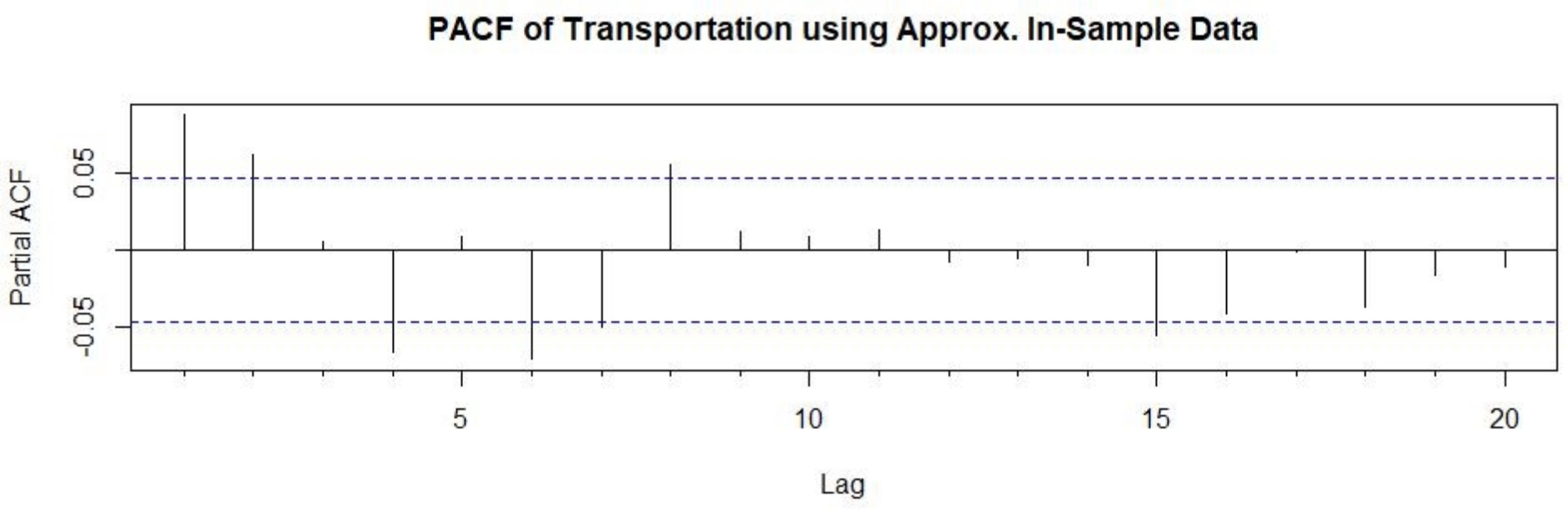

ACF of Softw. & Comp. Services using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag

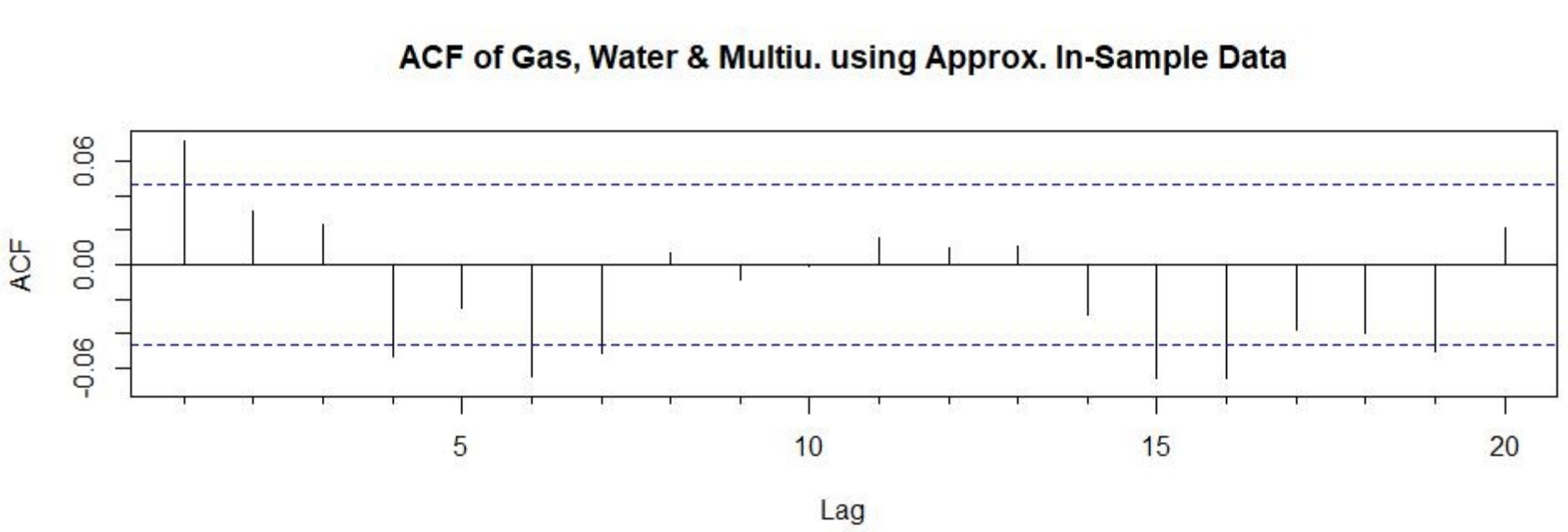

PACF of Softw. & Comp. Services using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

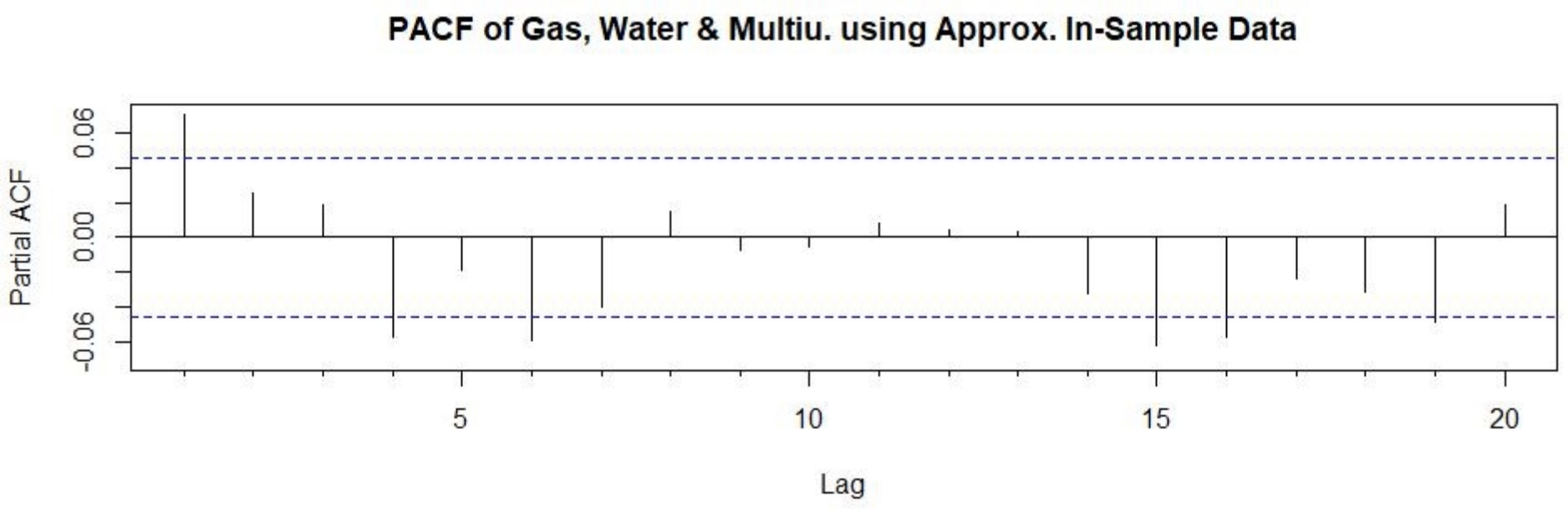

ACF of Techn. Equip. & Hardware using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag


PACF of Techn. Equip. & Hardware using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag


ACF of Transportation using Approx. In-Sample Data
ACF
0.05
-0.05
5
10
15
20
Lag


PACF of Transportation using Approx. In-Sample Data
Partial ACF
0.05
-0.05
5
10
15
20
Lag


ACF of Gas, Water & Multiu. using Approx. In-Sample Data
ACF
0.06
0.00
-0.06
5
10
15
20
Lag


PACF of Gas, Water & Multiu. using Approx. In-Sample Data
Partial ACF
0.06
0.00
-0.06
5
10
15
20
Lag

DIGITAL APPENDIX H

DIGITAL APPENDIX H

H_[CODE]_Chapter 4.3.7._Ljung Box Test

```
#Boxtest
Box.test(datDJACretINSA$rev.DJACretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJALretINSA$rev.DJALretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJCCretINSA$rev.DJCCretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJCFretINSA$rev.DJCFretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJCPretINSA$rev.DJCPretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJCTretINSA$rev.DJCTretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJLEretINSA$rev.DJLEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJGOretINSA$rev.DJGOretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJNIretINSA$rev.DJNIretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJSIretINSA$rev.DJSIretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJSUretINSA$rev.DJSUretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJWEretINSA$rev.DJWEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJZIretINSA$rev.DJZIretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJLHretINSA$rev.DJLHretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJNGretINSA$rev.DJNGretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJPEretINSA$rev.DJPEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDJSOretINSA$rev.DJSOretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEFPretINSA$rev.SEFPretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEECretINSA$rev.SEECretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEFLretINSA$rev.SEFLretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEUTretINSA$rev.SEUTretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSETRretINSA$rev.SETRretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEMOretINSA$rev.SEMOretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEOGretINSA$rev.SEOGretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEOEretINSA$rev.SEOEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEAIretINSA$rev.SEAIretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEISretINSA$rev.SEISretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEREretINSA$rev.SEREretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEAEretINSA$rev.SEAEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSESOretINSA$rev.SESOretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSETEretINSA$rev.SETEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEBEretINSA$rev.SEBEretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEETretINSA$rev.SEETretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSECHretINSA$rev.SECHretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datSEAPretINSA$rev.SEAPretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datBITCretINSA$rev.BITCretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datLITCretINSA$rev.LITCretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datGREXretINSA$rev.GREXretINSA, lag=5, type=c("Ljung-Box"))
Box.test(datDAXPretINSA$rev.DAXPretINSA, lag=5, type=c("Ljung-Box"))

Box.test(datDJACretINSA$rev.DJACretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJALretINSA$rev.DJALretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJCCretINSA$rev.DJCCretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJCFretINSA$rev.DJCFretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJCPretINSA$rev.DJCPretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJCTretINSA$rev.DJCTretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJLEretINSA$rev.DJLEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJGOretINSA$rev.DJGOretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJNIretINSA$rev.DJNIretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJSIretINSA$rev.DJSIretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJSUretINSA$rev.DJSUretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJWEretINSA$rev.DJWEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJZIretINSA$rev.DJZIretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJLHretINSA$rev.DJLHretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJNGretINSA$rev.DJNGretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJPEretINSA$rev.DJPEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDJSOretINSA$rev.DJSOretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEFPretINSA$rev.SEFPretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEECretINSA$rev.SEECretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEFLretINSA$rev.SEFLretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEUTretINSA$rev.SEUTretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSETRretINSA$rev.SETRretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEMOretINSA$rev.SEMOretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEOGretINSA$rev.SEOGretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEOEretINSA$rev.SEOEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEAIretINSA$rev.SEAIretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEISretINSA$rev.SEISretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEREretINSA$rev.SEREretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEAEretINSA$rev.SEAEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSESOretINSA$rev.SESOretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSETEretINSA$rev.SETEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEBEretINSA$rev.SEBEretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEETretINSA$rev.SEETretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSECHretINSA$rev.SECHretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datSEAPretINSA$rev.SEAPretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datBITCretINSA$rev.BITCretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datLITCretINSA$rev.LITCretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datGREXretINSA$rev.GREXretINSA, lag=10, type=c("Ljung-Box"))
Box.test(datDAXPretINSA$rev.DAXPretINSA, lag=10, type=c("Ljung-Box"))

Box.test(datDJACretINSA$rev.DJACretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJALretINSA$rev.DJALretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJCCretINSA$rev.DJCCretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJCFretINSA$rev.DJCFretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJCPretINSA$rev.DJCPretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJCTretINSA$rev.DJCTretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJLEretINSA$rev.DJLEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJGOretINSA$rev.DJGOretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJNIretINSA$rev.DJNIretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJSIretINSA$rev.DJSIretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJSUretINSA$rev.DJSUretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJWEretINSA$rev.DJWEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJZIretINSA$rev.DJZIretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJLHretINSA$rev.DJLHretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJNGretINSA$rev.DJNGretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJPEretINSA$rev.DJPEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDJSOretINSA$rev.DJSOretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEFPretINSA$rev.SEFPretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEECretINSA$rev.SEECretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEFLretINSA$rev.SEFLretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEUTretINSA$rev.SEUTretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSETRretINSA$rev.SETRretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEMOretINSA$rev.SEMOretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEOGretINSA$rev.SEOGretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEOEretINSA$rev.SEOEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEAIretINSA$rev.SEAIretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEISretINSA$rev.SEISretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEREretINSA$rev.SEREretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEAEretINSA$rev.SEAEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSESOretINSA$rev.SESOretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSETEretINSA$rev.SETEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEBEretINSA$rev.SEBEretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEETretINSA$rev.SEETretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSECHretINSA$rev.SECHretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datSEAPretINSA$rev.SEAPretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datBITCretINSA$rev.BITCretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datLITCretINSA$rev.LITCretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datGREXretINSA$rev.GREXretINSA, lag=15, type=c("Ljung-Box"))
Box.test(datDAXPretINSA$rev.DAXPretINSA, lag=15, type=c("Ljung-Box"))

Box.test(datDJACretINSA$rev.DJACretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJALretINSA$rev.DJALretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJCCretINSA$rev.DJCCretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJCFretINSA$rev.DJCFretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJCPretINSA$rev.DJCPretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJCTretINSA$rev.DJCTretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJLEretINSA$rev.DJLEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJGOretINSA$rev.DJGOretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJNIretINSA$rev.DJNIretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJSIretINSA$rev.DJSIretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJSUretINSA$rev.DJSUretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJWEretINSA$rev.DJWEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJZIretINSA$rev.DJZIretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJLHretINSA$rev.DJLHretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJNGretINSA$rev.DJNGretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJPEretINSA$rev.DJPEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDJSOretINSA$rev.DJSOretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEFPretINSA$rev.SEFPretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEECretINSA$rev.SEECretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEFLretINSA$rev.SEFLretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEUTretINSA$rev.SEUTretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSETRretINSA$rev.SETRretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEMOretINSA$rev.SEMOretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEOGretINSA$rev.SEOGretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEOEretINSA$rev.SEOEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEAIretINSA$rev.SEAIretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEISretINSA$rev.SEISretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEREretINSA$rev.SEREretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEAEretINSA$rev.SEAEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSESOretINSA$rev.SESOretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSETEretINSA$rev.SETEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEBEretINSA$rev.SEBEretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEETretINSA$rev.SEETretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSECHretINSA$rev.SECHretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datSEAPretINSA$rev.SEAPretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datBITCretINSA$rev.BITCretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datLITCretINSA$rev.LITCretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datGREXretINSA$rev.GREXretINSA, lag=20, type=c("Ljung-Box"))
Box.test(datDAXPretINSA$rev.DAXPretINSA, lag=20, type=c("Ljung-Box"))
```

DIGITAL APPENDIX H

H_[RESULTS]_Chapter 4.3.7._Ljung Box Test

H0: Autocorrelation is up to tetsted lags zero --> reject Ho means, we need a conditional mean model									
Nr.	Dataset In-Sample	lag=5	lag=10	lag=15	lag=20	H0 5	H0 10	H0 15	H0 20
1	All Cattle	3.41E-05	0.000122	6.85E-05	0.0002682	reject	reject	reject	reject
2	Aluminum	0.002796	0.0003238	1.78E-06	1.15E-05	reject	reject	reject	reject
3	Cocoa	0.1186	0.2661	0.2402	0.4065	accept	accept	accept	accept
4	Coffee	6.80E-05	0.0002661	0.0001118	0.0007479	reject	reject	reject	reject
5	Copper	0.5015	0.2852	0.4738	0.4907	accept	accept	accept	accept
6	Cotton	0.0002598	0.002568	0.01407	0.03072	reject	reject	reject	reject
7	Lead	0.3615	0.7999	0.8555	0.8553	accept	accept	accept	accept
8	Gold	0.1282	0.1516	0.0006509	0.000429	accept	accept	reject	reject
9	Nickel	0.7163	0.1274	0.103	0.2437	accept	accept	accept	accept
10	Silver	0.7394	0.188	0.002572	0.007987	accept	accept	reject	reject
11	Sugar	0.01256	0.07232	0.0554	0.1153	reject	accept	accept	accept
12	Wheat	0.0001075	0.001653	0.006586	0.02181	reject	reject	reject	reject
13	Zinc	0.8191	0.2208	0.37	0.183	accept	accept	accept	accept
14	Lean Hogs	< 0.00000000	< 2.2e-16	9.99E-16	1.45E-14	accept	accept	reject	reject
15	Natural Gas	0.04567	0.1352	0.01099	0.01366	reject	accept	reject	reject
16	Petroleum	0.4483	0.2674	0.3142	0.4499	accept	accept	accept	accept
17	Soybeans	0.00591	0.0005623	0.003857	0.008786	reject	reject	reject	reject
18	Forest and Paper	8.92E-05	0.0005506	0.001871	0.003041	reject	reject	reject	reject
19	Electricity	0.002153	9.30E-05	1.98E-05	6.01E-07	reject	reject	reject	reject
20	Fixed Line Communication	0.0003874	0.0004352	0.0001108	6.87E-05	reject	reject	reject	reject
21	Gas, Water and Multiutilities	0.002836	0.000672	0.0003458	8.69E-06	reject	reject	reject	reject
22	Industrial Transportation	1.99E-05	1.98E-07	2.95E-07	2.42E-07	reject	reject	reject	reject
23	Mobile Telecommunication	0.006418	0.002476	0.000333	0.0001625	reject	reject	reject	reject
24	Oil and Gas Producers	0.0005929	7.39E-06	1.76E-05	9.07E-07	reject	reject	reject	reject
25	Oil, Equipment Services and Distribution	0.0003749	0.0002199	8.40E-05	1.41E-05	reject	reject	reject	reject
26	Airlines	1.15E-08	3.05E-08	8.88E-07	4.15E-06	reject	reject	reject	reject
27	Real Estate Investment and Services	4.55E-05	0.0001034	8.23E-06	7.70E-07	reject	reject	reject	reject
28	REITS	6.10E-06	1.39E-06	7.72E-10	1.38E-09	reject	reject	reject	reject
29	Alternative Energy	0.02812	0.1136	0.3346	0.2243	reject	accept	accept	accept
30	Software and Computer Services	0.07141	0.2942	0.2447	0.2231	accept	accept	accept	accept
31	Technological Equipment and Hardware	0.05335	0.009264	0.006697	0.01568	accept	reject	reject	reject
32	Beverages	0.004115	0.0001504	7.21E-07	1.60E-07	reject	reject	reject	reject
33	Europe Total Market	0.001301	2.34E-05	1.43E-05	4.09E-06	reject	reject	reject	reject
34	Chemicals	0.04106	0.09876	0.1175	0.06661	reject	accept	accept	accept
35	Auto and Parts	1.74E-05	7.89E-07	1.36E-05	1.63E-06	reject	reject	reject	reject
36	Bitcoin	2.20E-16	2.20E-16	2.20E-16	2.20E-16	reject	reject	reject	reject
37	Litecoin	0.1618	0.001062	0.0003354	0.002931	accept	reject	reject	reject
38	REX	0.2145	0.1538	0.3188	0.07651	accept	accept	accept	accept
39	DAXsubsector All Private Equity & Venture Capital	0.1787	0.1268	0.05776	0.08538	accept	accept	accept	accept

DIGITAL APPENDIX I

DIGITAL APPENDIX I

I_[CODE]_Chapter 4.3.7._auto.arima

```
#Build the Model
arimaDJACinsa<-auto.arima(datDJACretINSA$rev.DJACretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJALinsa<-auto.arima(datDJALretINSA$rev.DJALretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJCCinsa<-auto.arima(datDJCCretINSA$rev.DJCCretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJCFinsa<-auto.arima(datDJCFretINSA$rev.DJCFretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJCPinsa<-auto.arima(datDJCPretINSA$rev.DJCPretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJCTinsa<-auto.arima(datDJCTretINSA$rev.DJCTretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJLEinsa<-auto.arima(datDJLEretINSA$rev.DJLEretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJGOinsa<-auto.arima(datDJGOretINSA$rev.DJGOretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJNIinsa<-auto.arima(datDJNIretINSA$rev.DJNIretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJSIinsa<-auto.arima(datDJSIretINSA$rev.DJSIretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJSUinsa<-auto.arima(datDJSUretINSA$rev.DJSUretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJWEinsa<-auto.arima(datDJWEretINSA$rev.DJWEretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJZIinsa<-auto.arima(datDJZIretINSA$rev.DJZIretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJLHinsa<-auto.arima(datDJLHretINSA$rev.DJLHretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJNGinsa<-auto.arima(datDJNGretINSA$rev.DJNGretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJPEinsa<-auto.arima(datDJPEretINSA$rev.DJPEretINSA, stationary=TRUE, allowmean=FALSE)
arimaDJSOinsa<-auto.arima(datDJSOretINSA$rev.DJSOretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEFPinsa<-auto.arima(datSEFPretINSA$rev.SEFPretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEECinsa<-auto.arima(datSEECretINSA$rev.SEECretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEFLinsa<-auto.arima(datSEFLretINSA$rev.SEFLretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEUTinsa<-auto.arima(datSEUTretINSA$rev.SEUTretINSA, stationary=TRUE, allowmean=FALSE)
arimaSETRinsa<-auto.arima(datSETRretINSA$rev.SETRretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEMOinsa<-auto.arima(datSEMOretINSA$rev.SEMOretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEOGinsa<-auto.arima(datSEOGretINSA$rev.SEOGretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEOEinsa<-auto.arima(datSEOEretINSA$rev.SEOEretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEAIinsa<-auto.arima(datSEAIretINSA$rev.SEAIretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEISinsa<-auto.arima(datSEISretINSA$rev.SEISretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEREinsa<-auto.arima(datSEREretINSA$rev.SEREretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEAEinsa<-auto.arima(datSEAEretINSA$rev.SEAEretINSA, stationary=TRUE, allowmean=FALSE)
arimaSESOinsa<-auto.arima(datSESOretINSA$rev.SESOretINSA, stationary=TRUE, allowmean=FALSE)
arimaSETEinsa<-auto.arima(datSETEretINSA$rev.SETEretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEBEinsa<-auto.arima(datSEBEretINSA$rev.SEBEretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEETinsa<-auto.arima(datSEETretINSA$rev.SEETretINSA, stationary=TRUE, allowmean=FALSE)
arimaSECHinsa<-auto.arima(datSECHretINSA$rev.SECHretINSA, stationary=TRUE, allowmean=FALSE)
arimaSEAPinsa<-auto.arima(datSEAPretINSA$rev.SEAPretINSA, stationary=TRUE, allowmean=FALSE)
arimaBITCinsa<-auto.arima(datBITCretINSA$rev.BITCretINSA, stationary=TRUE, allowmean=FALSE)
arimaLITCinsa<-auto.arima(datLITCretINSA$rev.LITCretINSA, stationary=TRUE, allowmean=FALSE)
arimaGREXinsa<-auto.arima(datGREXretINSA$rev.GREXretINSA, stationary=TRUE, allowmean=FALSE)
arimaDAXPinsa<-auto.arima(datDAXPretINSA$rev.DAXPretINSA, stationary=TRUE, allowmean=FALSE)

#Arima Results
as.character(arimaDJACinsa)
as.character(arimaDJALinsa)
as.character(arimaDJCCinsa)
as.character(arimaDJCFinsa)
as.character(arimaDJCPinsa)
as.character(arimaDJCTinsa)
as.character(arimaDJLEinsa)
as.character(arimaDJGOinsa)
as.character(arimaDJNIinsa)
as.character(arimaDJSIinsa)
as.character(arimaDJSUinsa)
as.character(arimaDJWEinsa)
as.character(arimaDJZIinsa)
as.character(arimaDJLHinsa)
as.character(arimaDJNGinsa)
as.character(arimaDJPEinsa)
as.character(arimaDJSOinsa)
as.character(arimaSEFPinsa)
as.character(arimaSEECinsa)
as.character(arimaSEFLinsa)
as.character(arimaSEUTinsa)
as.character(arimaSETRinsa)
as.character(arimaSEMOinsa)
as.character(arimaSEOGinsa)
as.character(arimaSEOEinsa)
as.character(arimaSEAIinsa)
as.character(arimaSEISinsa)
as.character(arimaSEREinsa)
as.character(arimaSEAEinsa)
as.character(arimaSESOinsa)
as.character(arimaSETEinsa)
as.character(arimaSEBEinsa)
as.character(arimaSEETinsa)
as.character(arimaSECHinsa)
as.character(arimaSEAPinsa)
as.character(arimaBITCinsa)
as.character(arimaLITCinsa)
as.character(arimaGREXinsa)
as.character(arimaDAXPinsa)
```

DIGITAL APPENDIX I

I_[RESULTS]_Chapter 4.3.7._auto.arima

Nr	Dataset In Sample	AR	I	MA
1	All Cattle	0	0	1
2	Aluminum	2	0	2
3	Cocoa	2	0	0
4	Coffee	1	0	2
5	Copper	2	0	0
6	Cotton	1	0	1
7	Lead	0	0	0
8	Gold	1	0	0
9	Nickel	0	0	1
10	Silver	1	0	0
11	Sugar	0	0	1
12	Wheat	1	0	0
13	Zinc	0	0	0
14	Lean Hogs	1	0	1
15	Natural Gas	0	0	2
16	Petroleum	0	0	0
17	Soybeans	0	0	2
18	Forest and Paper	1	0	0
19	Electricity	0	0	2
20	Fixed Line Communication	4	0	1
21	Gas Water and Multiutilities	0	0	1
22	Industrial Transportation	3	0	2
23	Mobile Telecommunication	4	0	2
24	Oil and Gas Producers	2	0	2
25	Oil Equipment Services and Distribution	0	0	1
26	Airlines	2	0	2
27	Real Estate Investment and Services	1	0	0
28	REITS	2	0	2
29	Alternative Energy	2	0	2
30	Software and Computer Services	0	0	2
31	Technological Equipment and Hardware	0	0	2
32	Beverages	3	0	3
33	Europe Total Market	0	0	2
34	Chemicals	2	0	3
35	Auto and Parts	3	0	2
36	Bitcoin	3	0	2
37	Litecoin	2	0	2
38	REX	2	0	0
39	DAXsubsector All Private Equity & Venture Capital	0	0	0

DIGITAL APPENDIX J

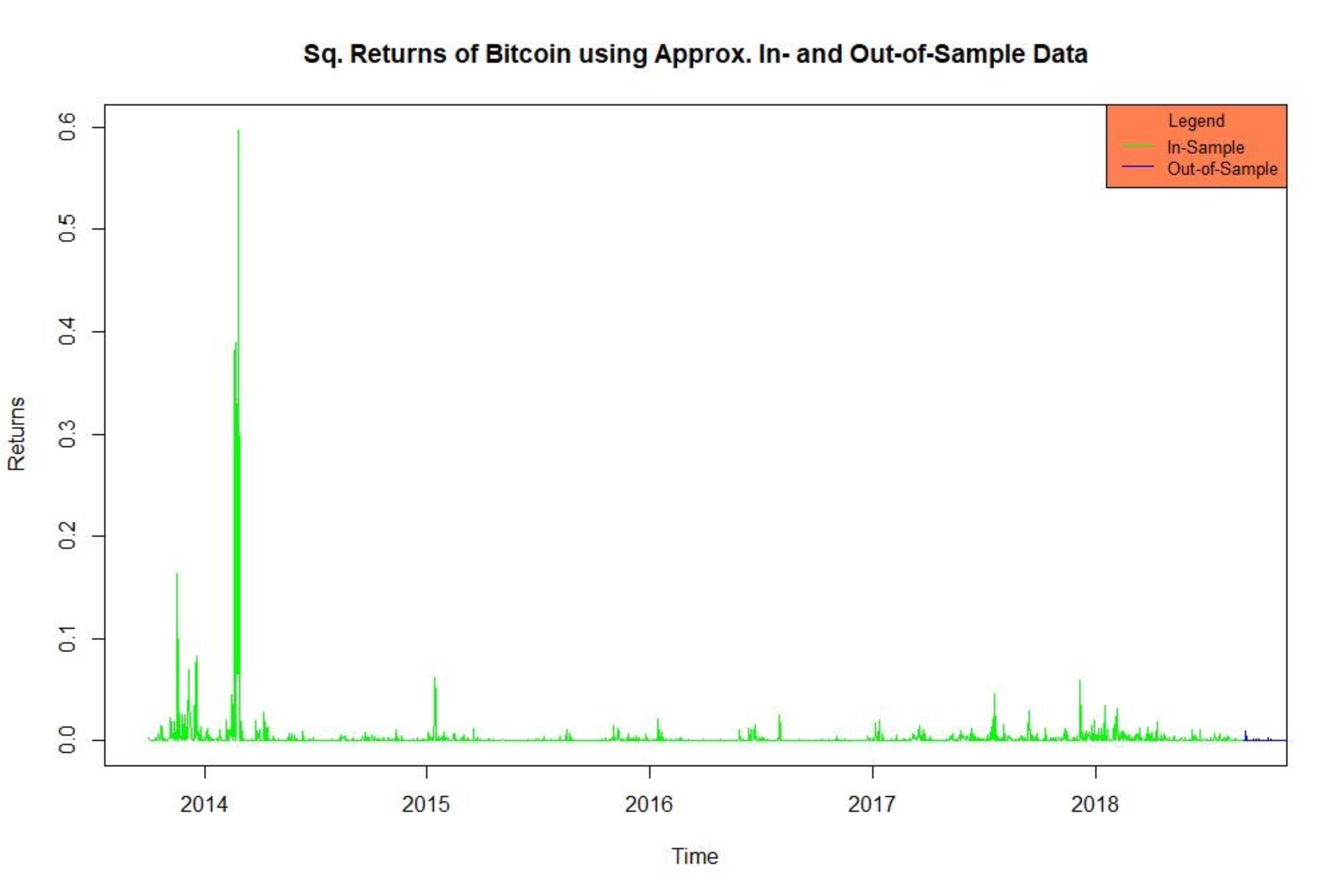
DIGITAL APPENDIX J

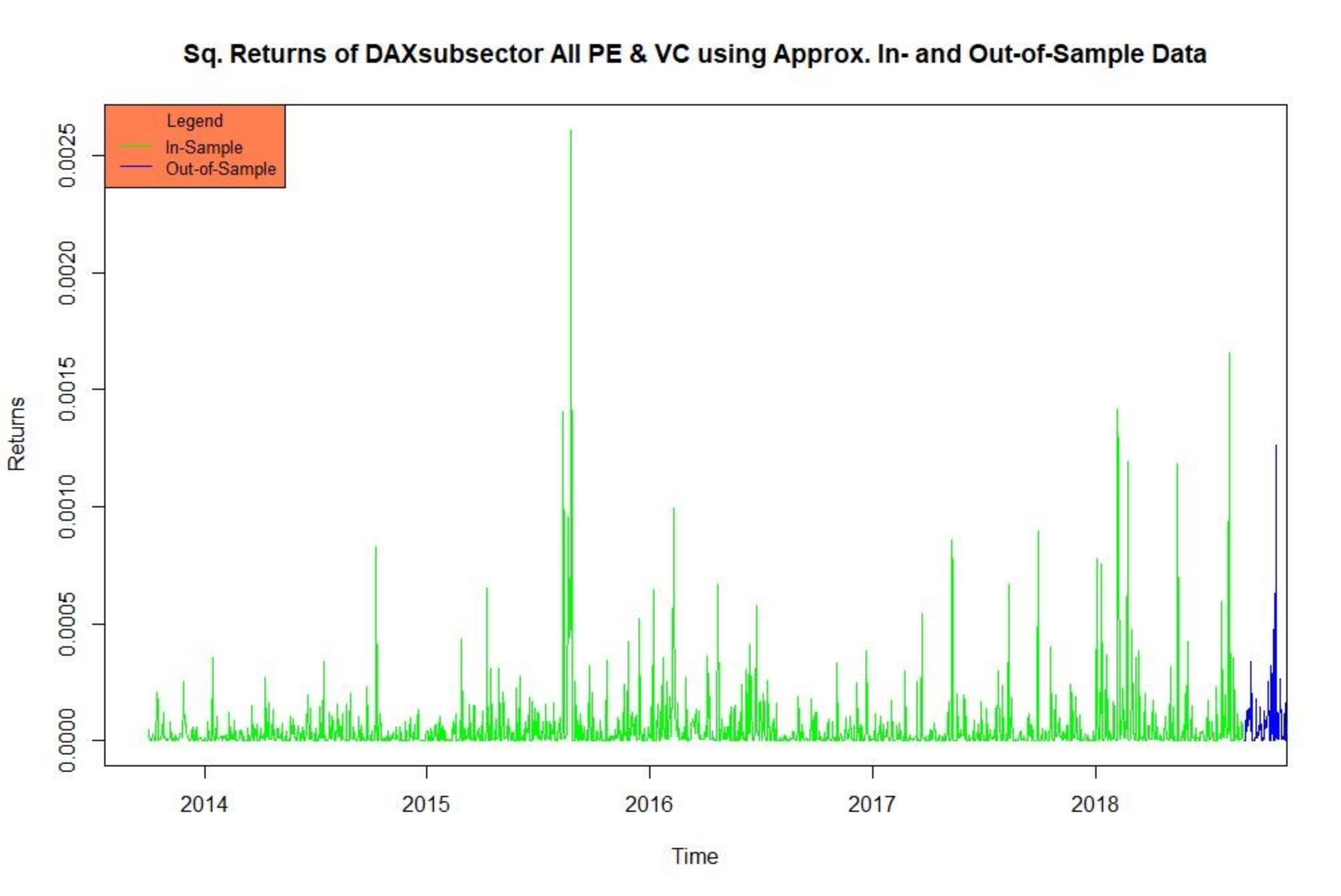
J_[CODE]_Chapter 4.7._Squared Returns

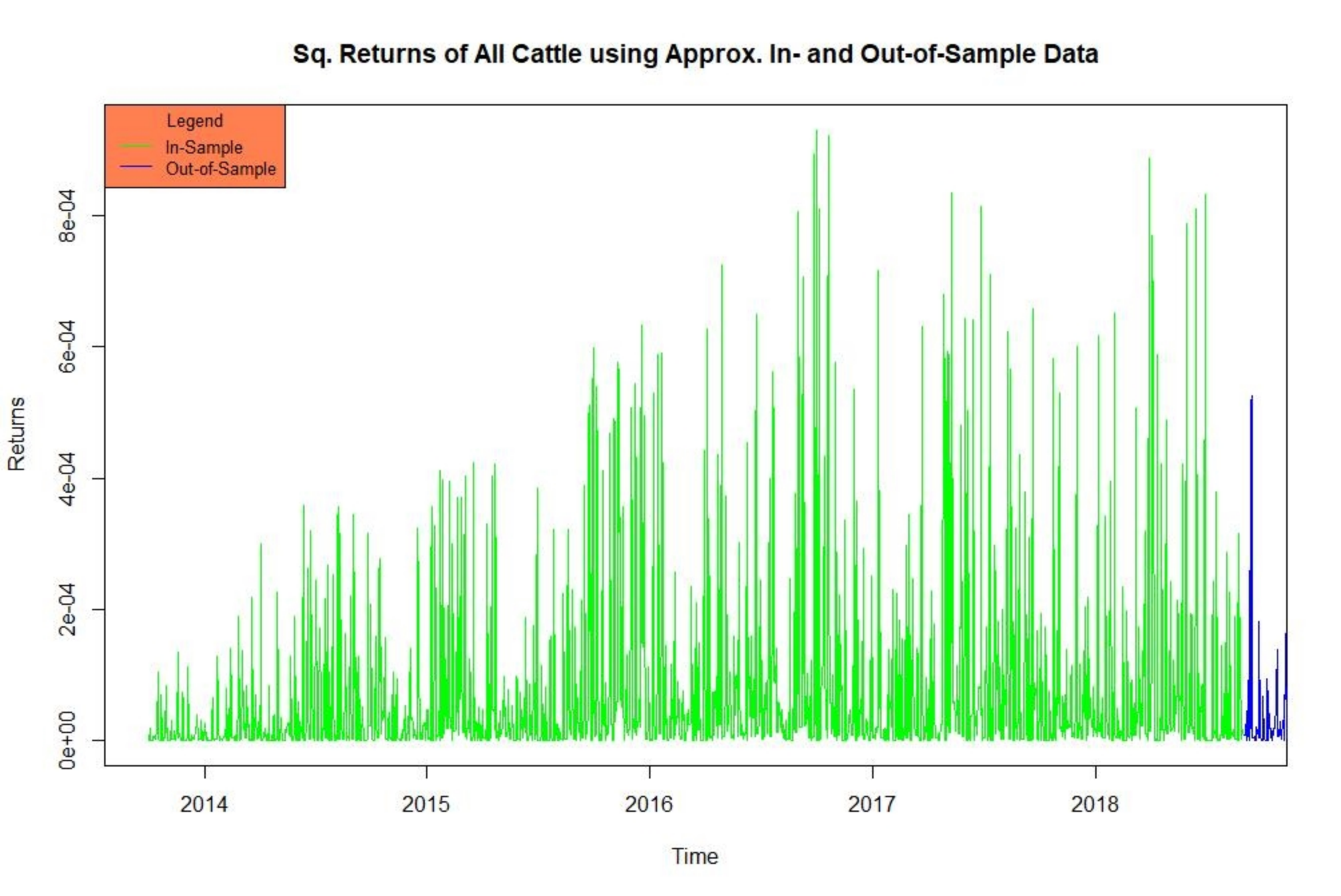
```
#Plot the Squared Return data
plot(t[182:1976], (DJACretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of All Cattle using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJACretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJAC.jpeg", type="jpeg")
plot(t[182:1976], (DJALretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Aluminium using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJALretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJAL.jpeg", type="jpeg")
plot(t[182:1976], (DJCCretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Cocoa using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJCCretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJCC.jpeg", type="jpeg")
plot(t[182:1976], (DJCFretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Coffee using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJCFretOUTSA)^2, type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJCF.jpeg", type="jpeg")
plot(t[182:1976], (DJCPretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Copper using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJCPretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJCP.jpeg", type="jpeg")
plot(t[182:1976], (DJCTretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Cotton using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJCTretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJCT.jpeg", type="jpeg")
plot(t[182:1976], (DJLEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Lead using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJLEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJLE.jpeg", type="jpeg")
plot(t[182:1976], (DJGOretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Gold using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJGOretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJGO.jpeg", type="jpeg")
plot(t[182:1976], (DJNIretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Nickel using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJNIretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJNI.jpeg", type="jpeg")
plot(t[182:1976], (DJSIretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Silver using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJSIretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJSI.jpeg", type="jpeg")
plot(t[182:1976], (DJSUretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Sugar using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJSUretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJSU.jpeg", type="jpeg")
plot(t[182:1976], (DJWEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Wheat using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJWEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJWE.jpeg", type="jpeg")
plot(t[182:1976], (DJZIretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Zinc using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJZIretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJZI.jpeg", type="jpeg")
plot(t[182:1976], (DJLHretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Lean Hogs using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJLHretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJLH.jpeg", type="jpeg")
plot(t[182:1976], (DJNGretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Natural Gas using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJNGretOUTSA)^2, type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJNG.jpeg", type="jpeg")
plot(t[182:1976], (DJPEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Petroleum using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJPEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJPE.jpeg", type="jpeg")
plot(t[182:1976], (DJSOretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Soybeans using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DJSOretOUTSA)^2, type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DJSO.jpeg", type="jpeg")
plot(t[182:1976], (SEFPretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Forest and Paper using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEFPretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEFP.jpeg", type="jpeg")
plot(t[182:1976], (SEECretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Electricity using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEECretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEEC.jpeg", type="jpeg")
plot(t[182:1976], (SEFLretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Fixed Line Communication using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEFLretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEFL.jpeg", type="jpeg")
plot(t[182:1976], (SEUTretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Gas, Water & Multiu. using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEUTretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEUT.jpeg", type="jpeg")
plot(t[182:1976], (SETRretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Transportation using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SETRretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SETR.jpeg", type="jpeg")
plot(t[182:1976], (SEMOretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Mobile Telecommunication using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEMOretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEMO.jpeg", type="jpeg")
plot(t[182:1976], (SEOGretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Oil & Gas Producers using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEOGretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEOG.jpeg", type="jpeg")
plot(t[182:1976], (SEOEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Oil, Equip. Services & Distrib. using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEOEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEOE.jpeg", type="jpeg")
plot(t[182:1976], (SEAIretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Airlines using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEAIretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEAI.jpeg", type="jpeg")
plot(t[182:1976], (SEISretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of RE Invest. & Services using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEISretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEIS.jpeg", type="jpeg")
plot(t[182:1976], (SEREretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of REITS using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SERERetOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SERE.jpeg", type="jpeg")
plot(t[182:1976], (SEAEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Alternative Energy using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEAEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEAE.jpeg", type="jpeg")
plot(t[182:1976], (SESOretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Softw. & Comp. Services using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SESOretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SESO.jpeg", type="jpeg")
plot(t[182:1976], (SETEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Techn. Equip. & Hardware using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SETEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SETE.jpeg", type="jpeg")
plot(t[182:1976], (SEBEretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Beverages using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEBEretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEBE.jpeg", type="jpeg")
plot(t[182:1976], (SEETretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Europe Total Market using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEETretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEET.jpeg", type="jpeg")
plot(t[182:1976], (SECHretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Chemicals using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SECHretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SECH.jpeg", type="jpeg")
plot(t[182:1976], (SEAPretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Auto and parts using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (SEAPretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/SEAP.jpeg", type="jpeg")
plot(t[182:1976], (BITCretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Bitcoin using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (BITCretOUTSA)^2, type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/BITC.jpeg", type="jpeg")
plot(t[182:1976], (LITCretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of Litecoin using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (LITCretOUTSA)^2, type="l", col="blue")
legend("topright", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/LITC.jpeg", type="jpeg")
plot(t[182:1976], (GREXretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of REX using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (GREXretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/GREX.jpeg", type="jpeg")
plot(t[182:1976], (DAXPretINSA)^2, type="l", col="green", xlab="Time", ylab="Returns", main="Sq. Returns of DAXsubsector All PE & VC using Approx. In- and Out-of-Sample Data")
lines(t[1:181], (DAXPretOUTSA)^2, type="l", col="blue")
legend("topleft", legend=c("In-Sample", "Out-of-Sample"), col=c("green", "blue"),  lty=1:1, cex=0.8,  text.font=1, bg='coral',  title="Legend")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/02b_Squared Returns/DAXP.jpeg", type="jpeg")
```

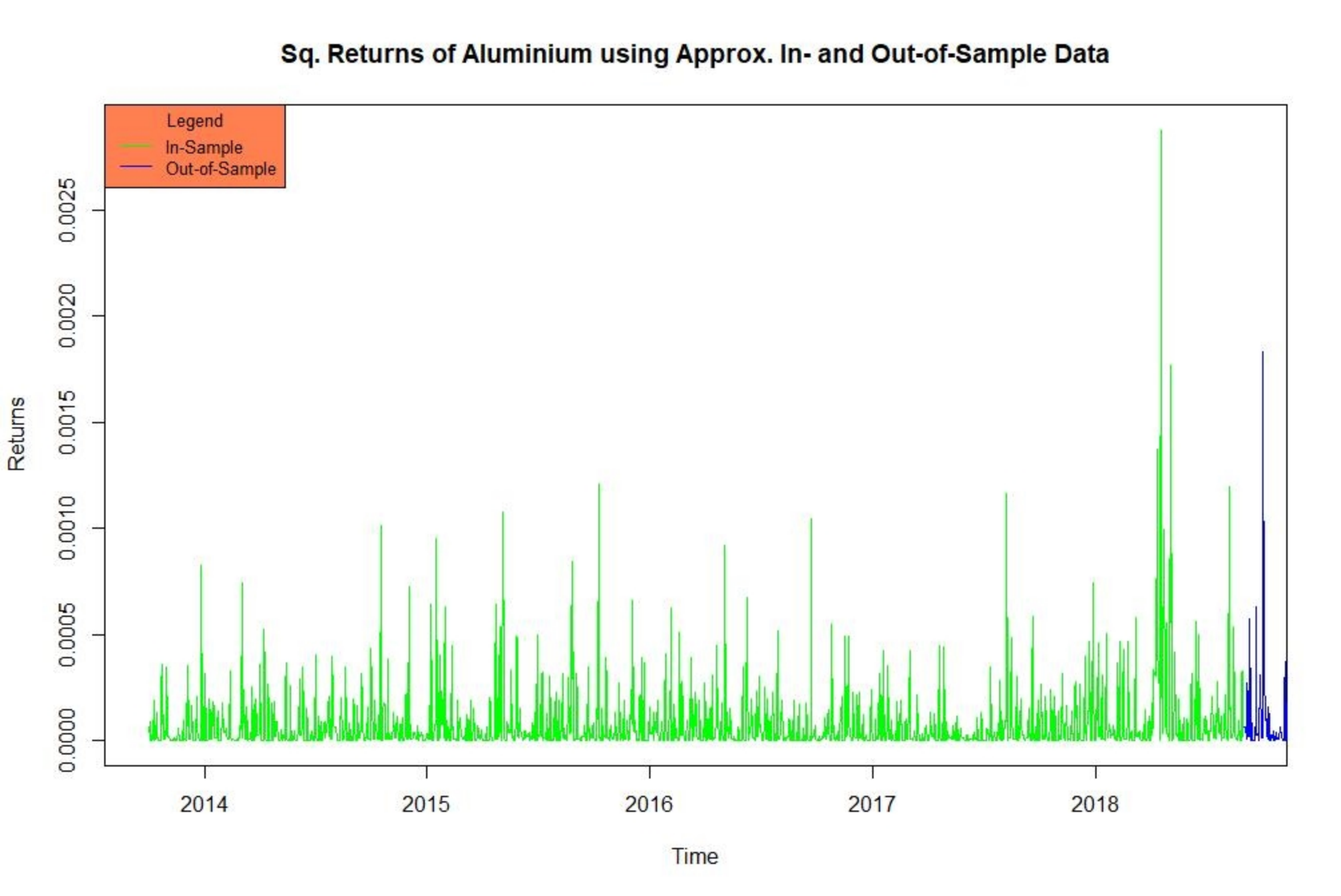
DIGITAL APPENDIX J

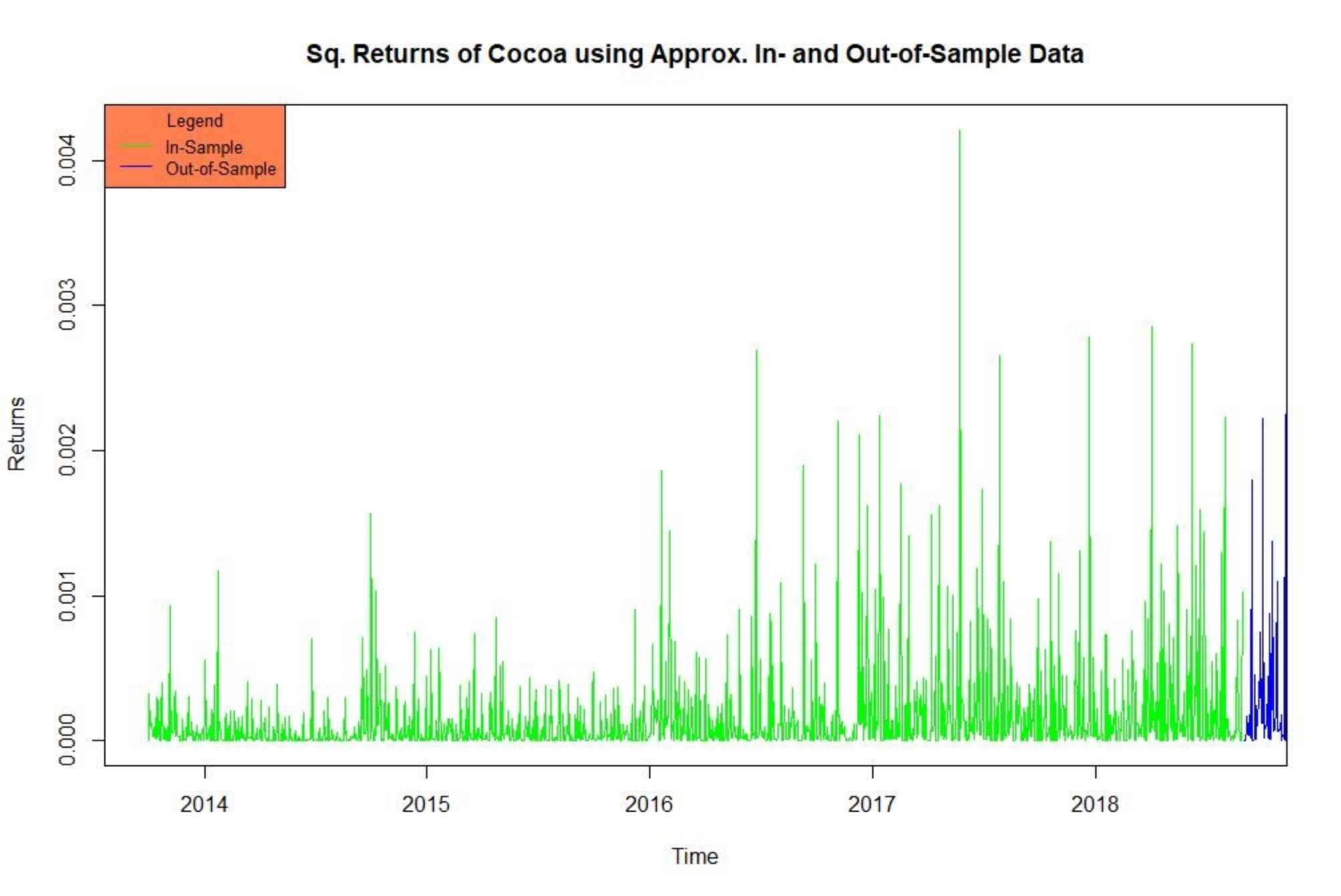
J_[RESULTS]_Chapter 4.7._Squared Returns

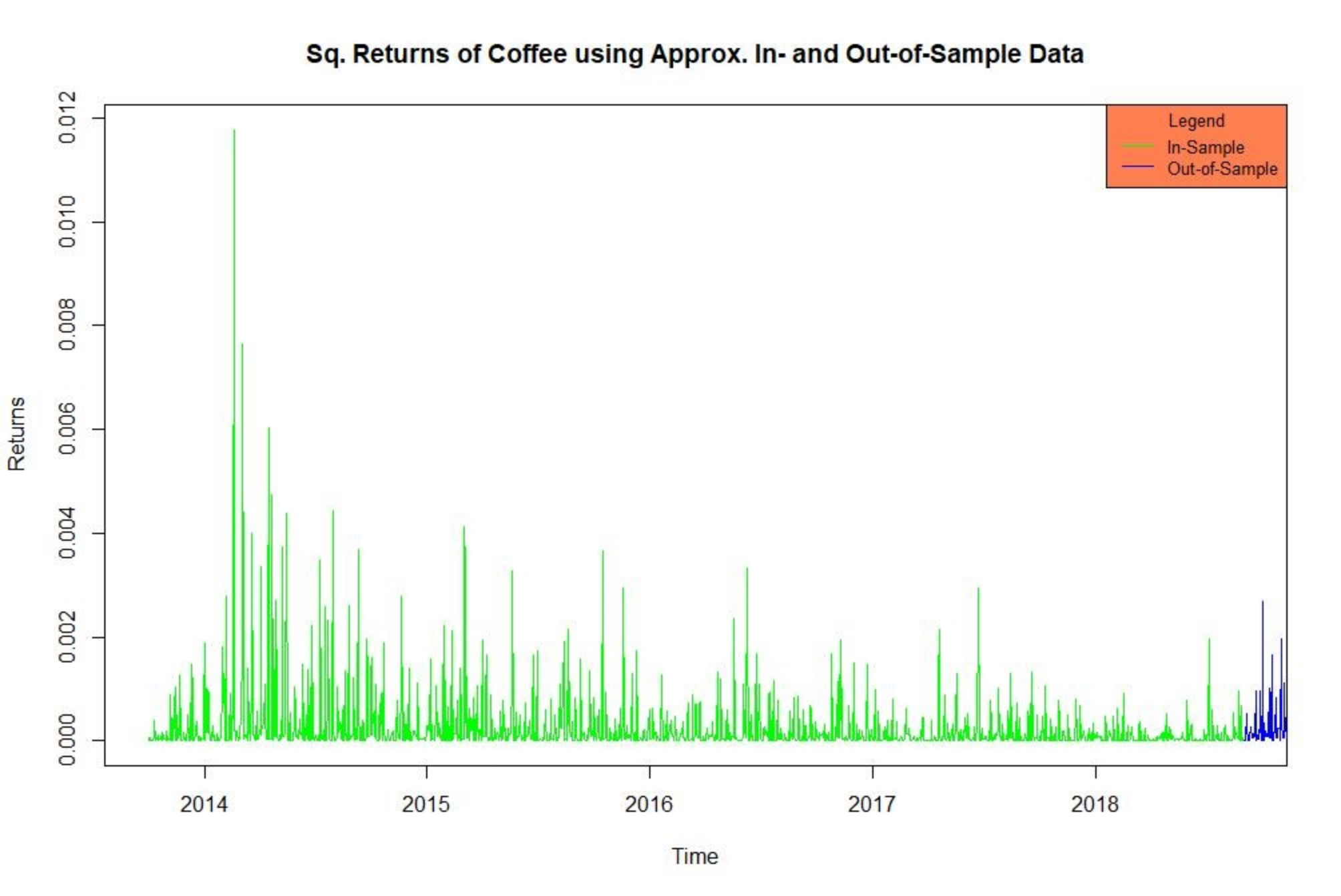

Sq. Returns of Bitcoin using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0
0.1
0.2
0.3
0.4
0.5
0.6
2014
2015
2016
2017
2018
Time

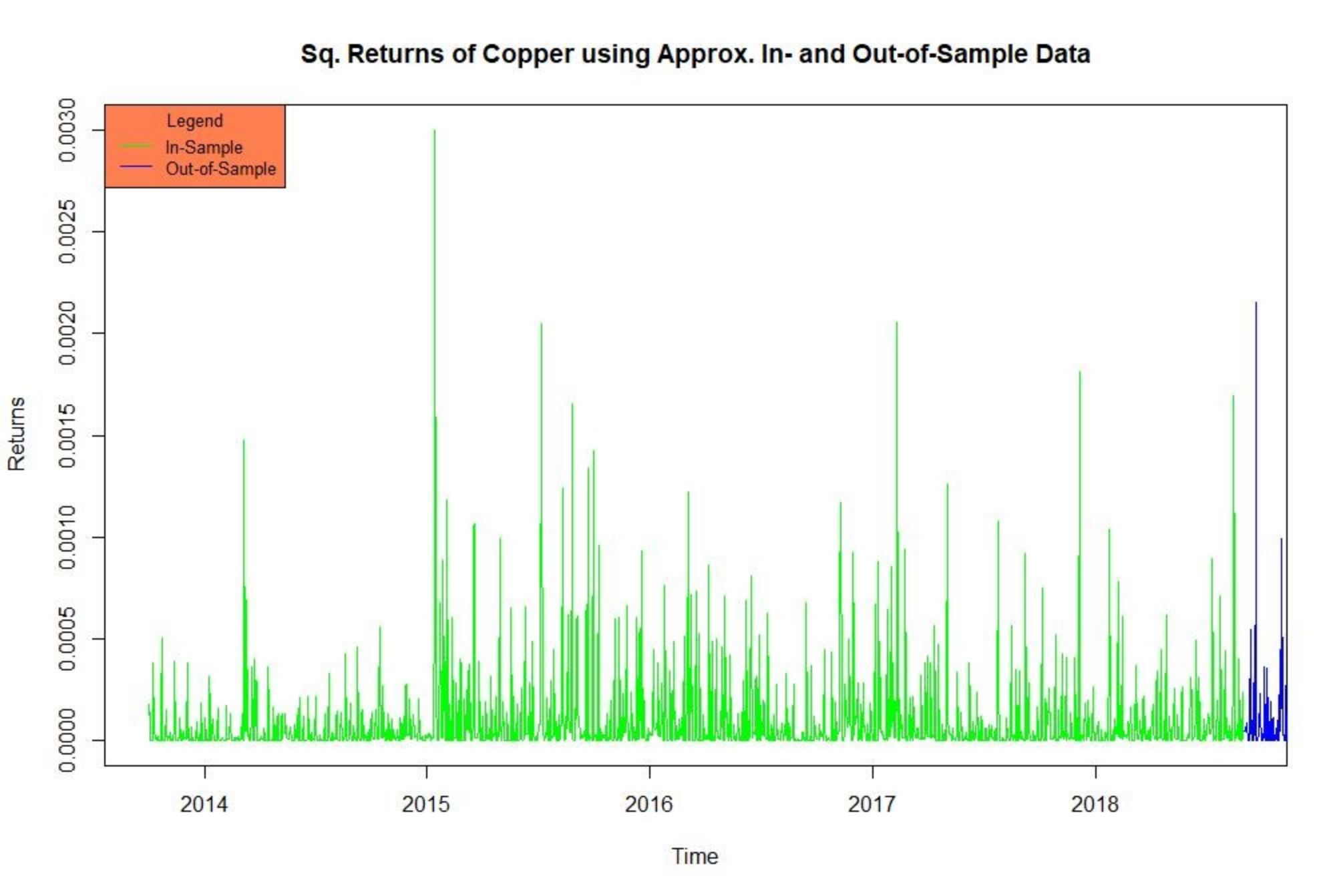

Sq. Returns of DAXsubsector All PE & VC using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
2014
2015
2016
2017
2018
Time

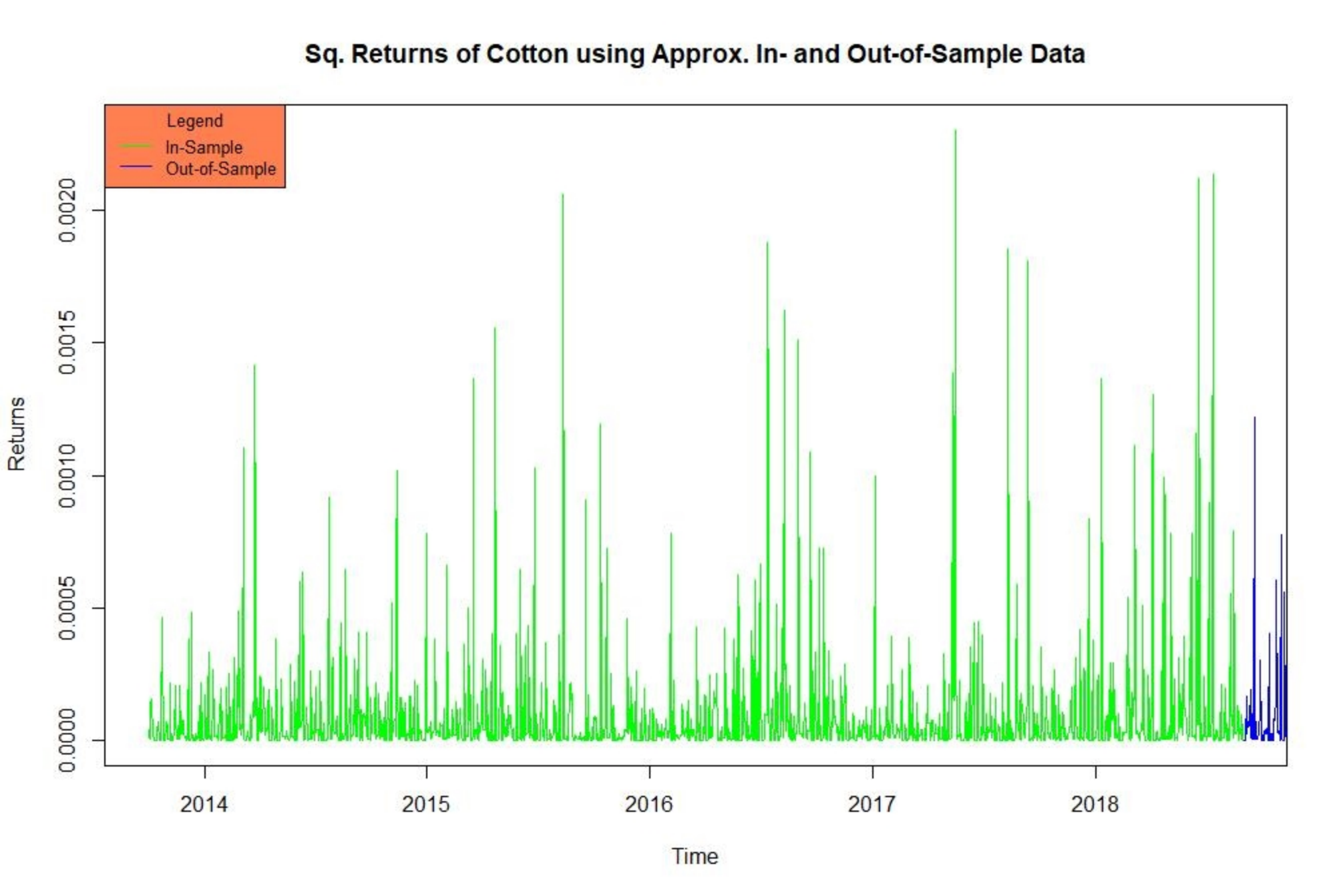

Sq. Returns of All Cattle using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0e+00
2e-04
4e-04
6e-04
8e-04
2014
2015
2016
2017
2018
Time

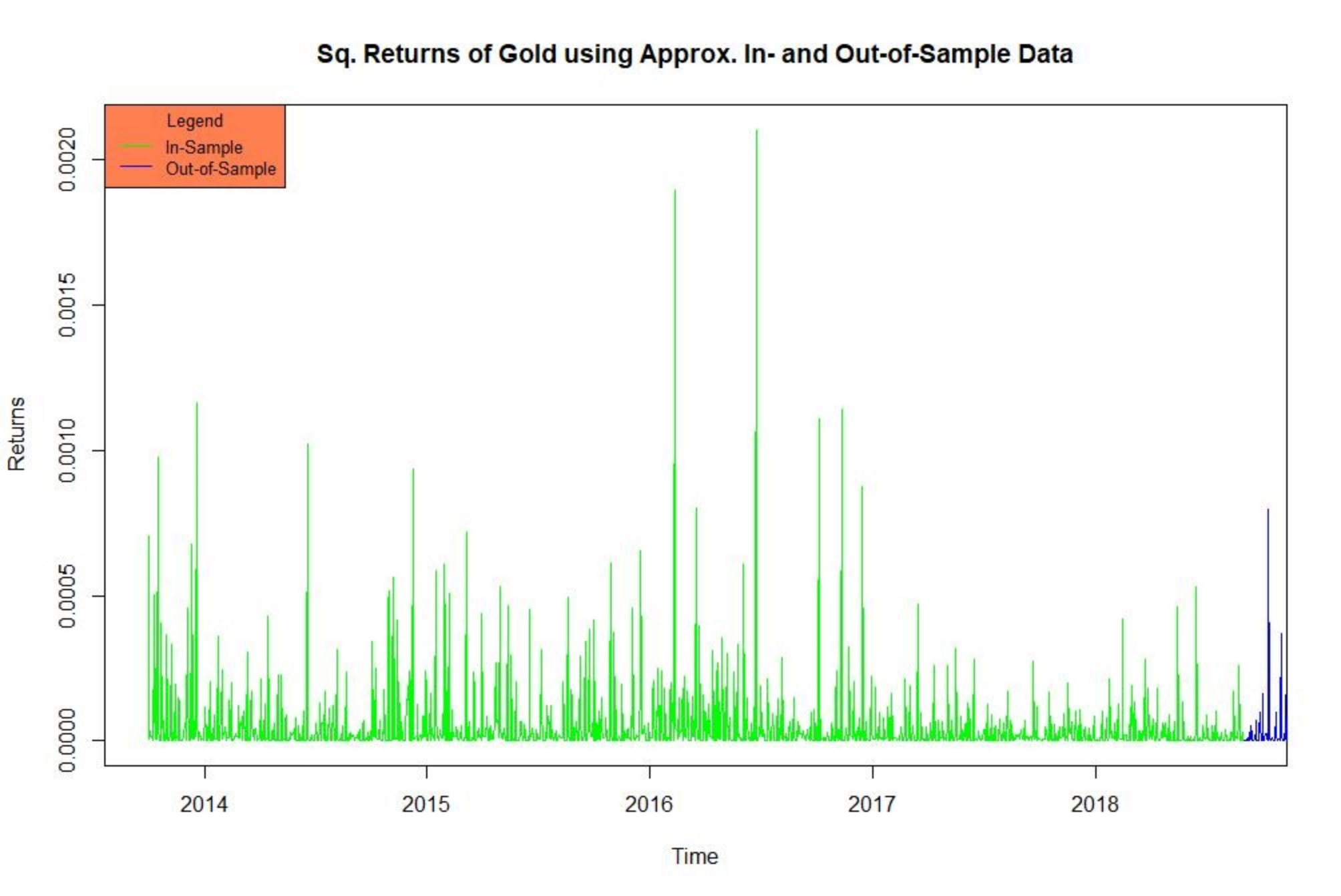

Sq. Returns of Aluminium using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
2014
2015
2016
2017
2018
Time

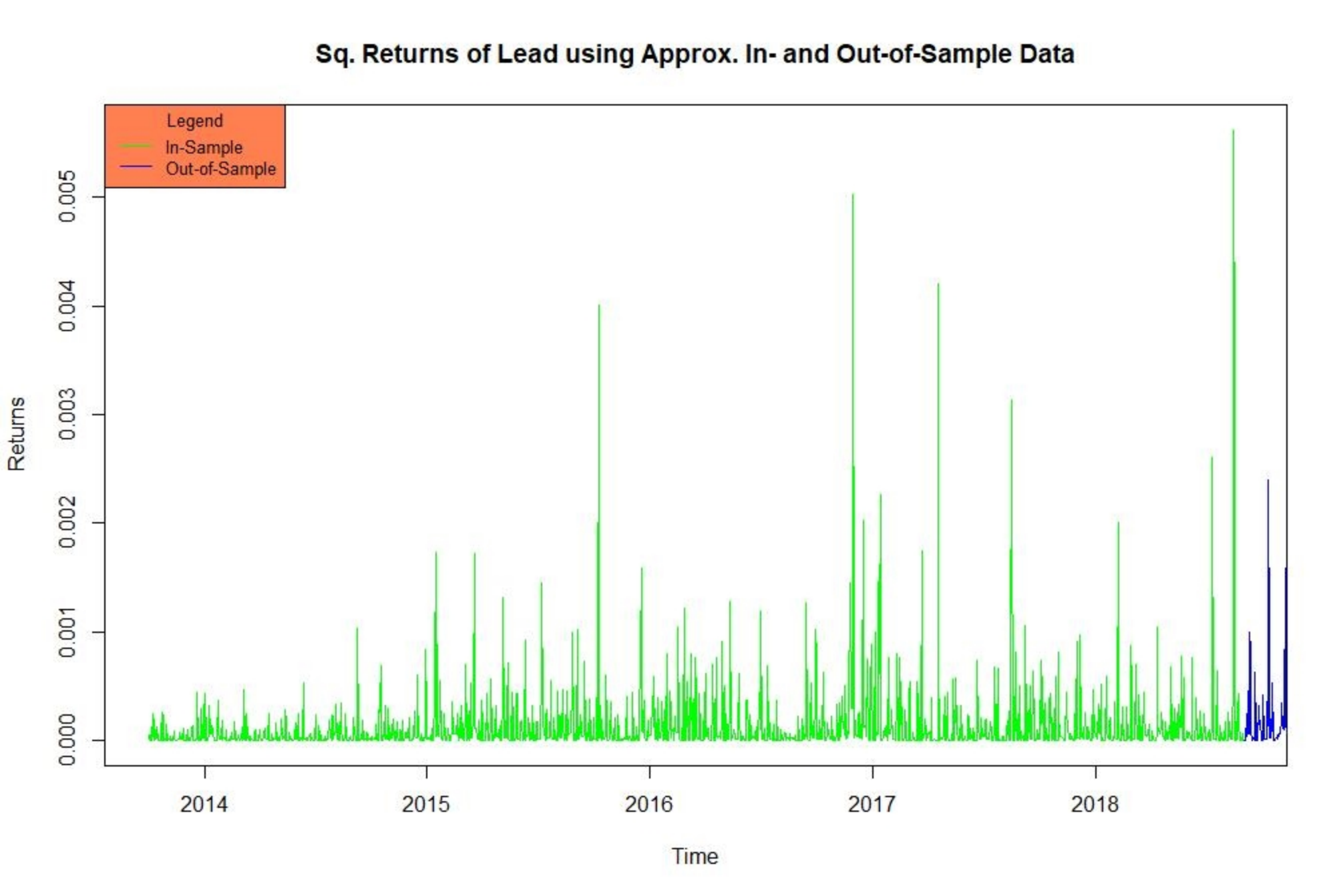

Sq. Returns of Cocoa using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
2014
2015
2016
2017
2018
Time

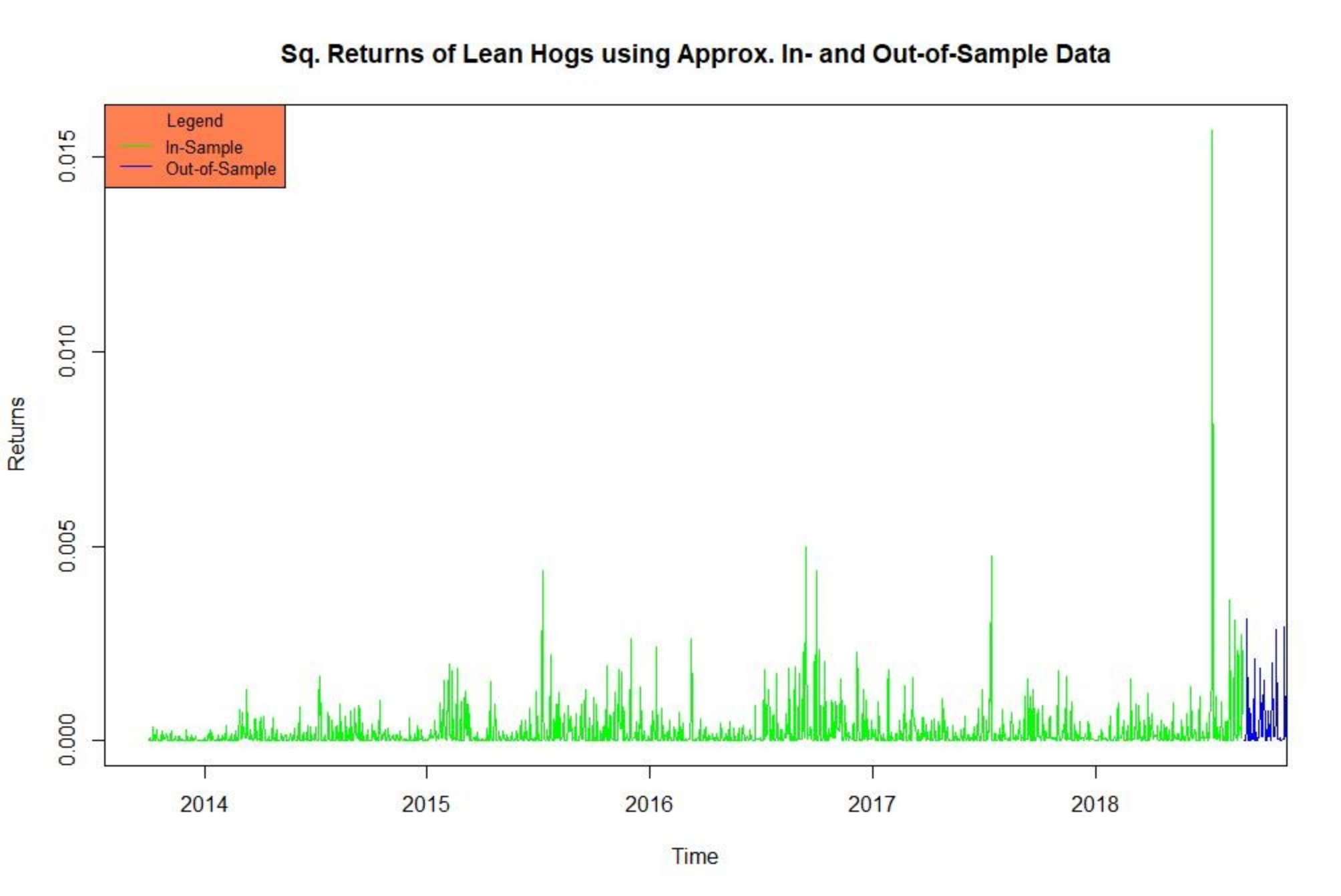

Sq. Returns of Coffee using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
0.010
0.012
2014
2015
2016
2017
2018
Time

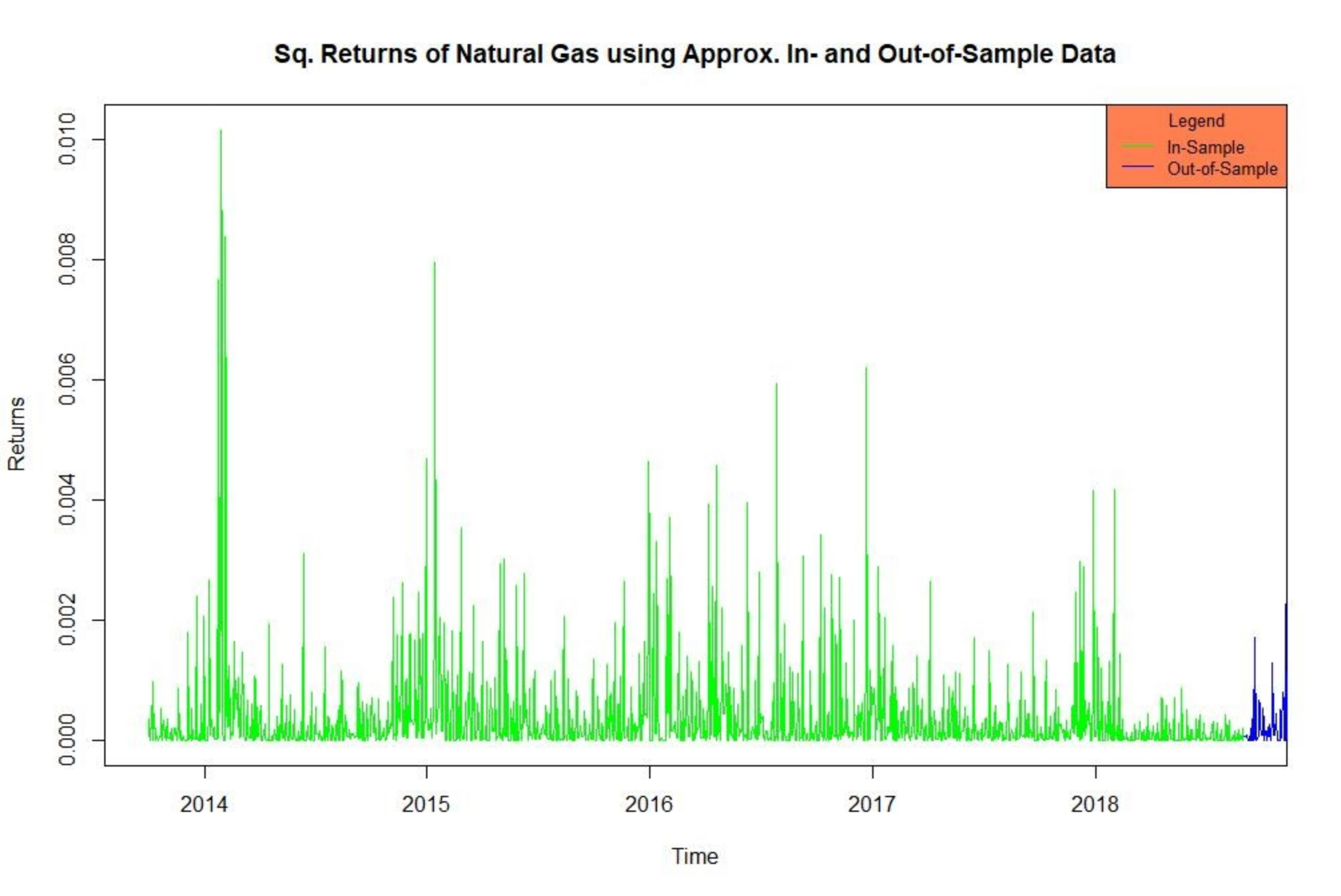

Sq. Returns of Copper using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
0.0030
2014
2015
2016
2017
2018
Time

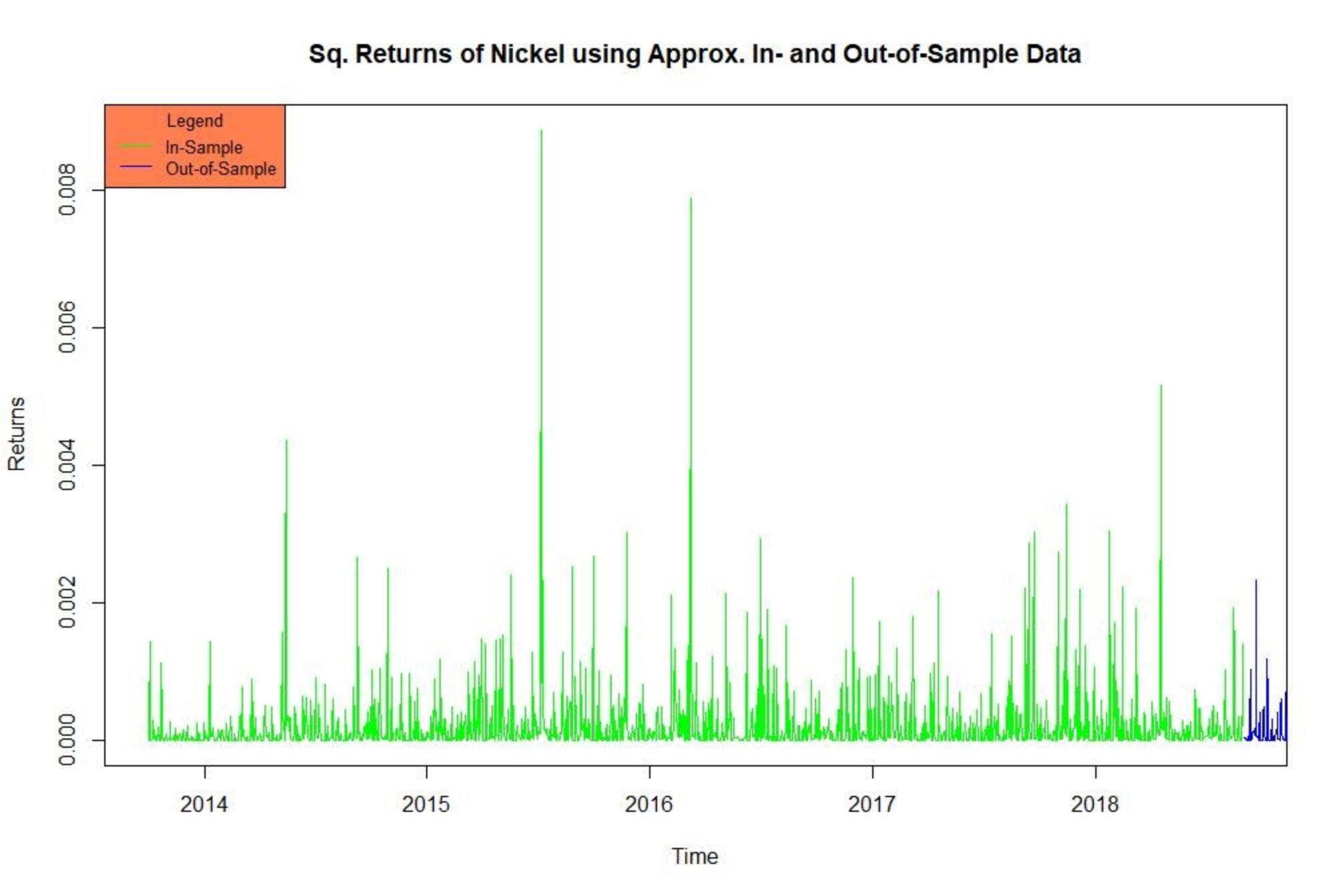

Sq. Returns of Cotton using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
2014
2015
2016
2017
2018
Time

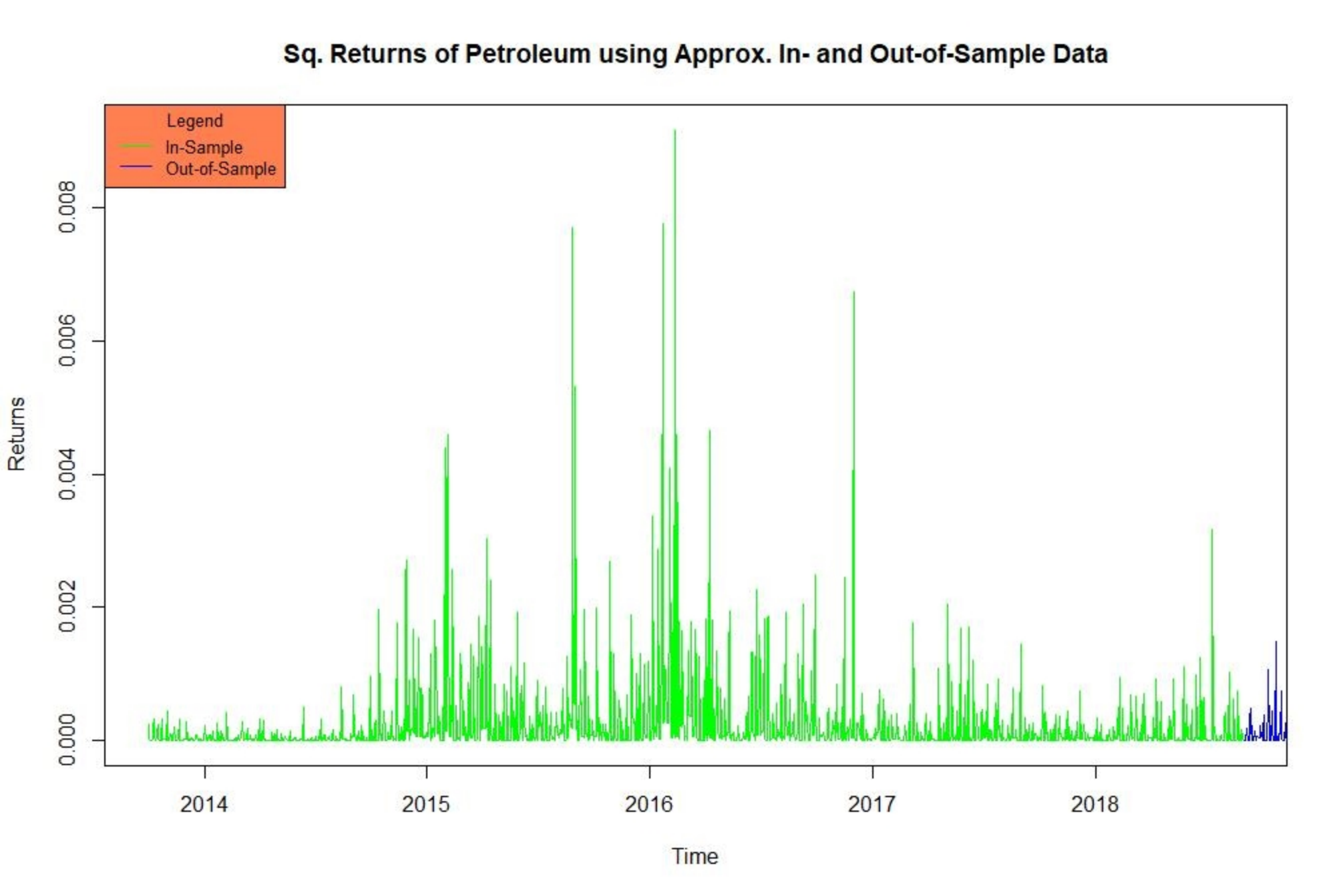

Sq. Returns of Gold using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
2014
2015
2016
2017
2018
Time

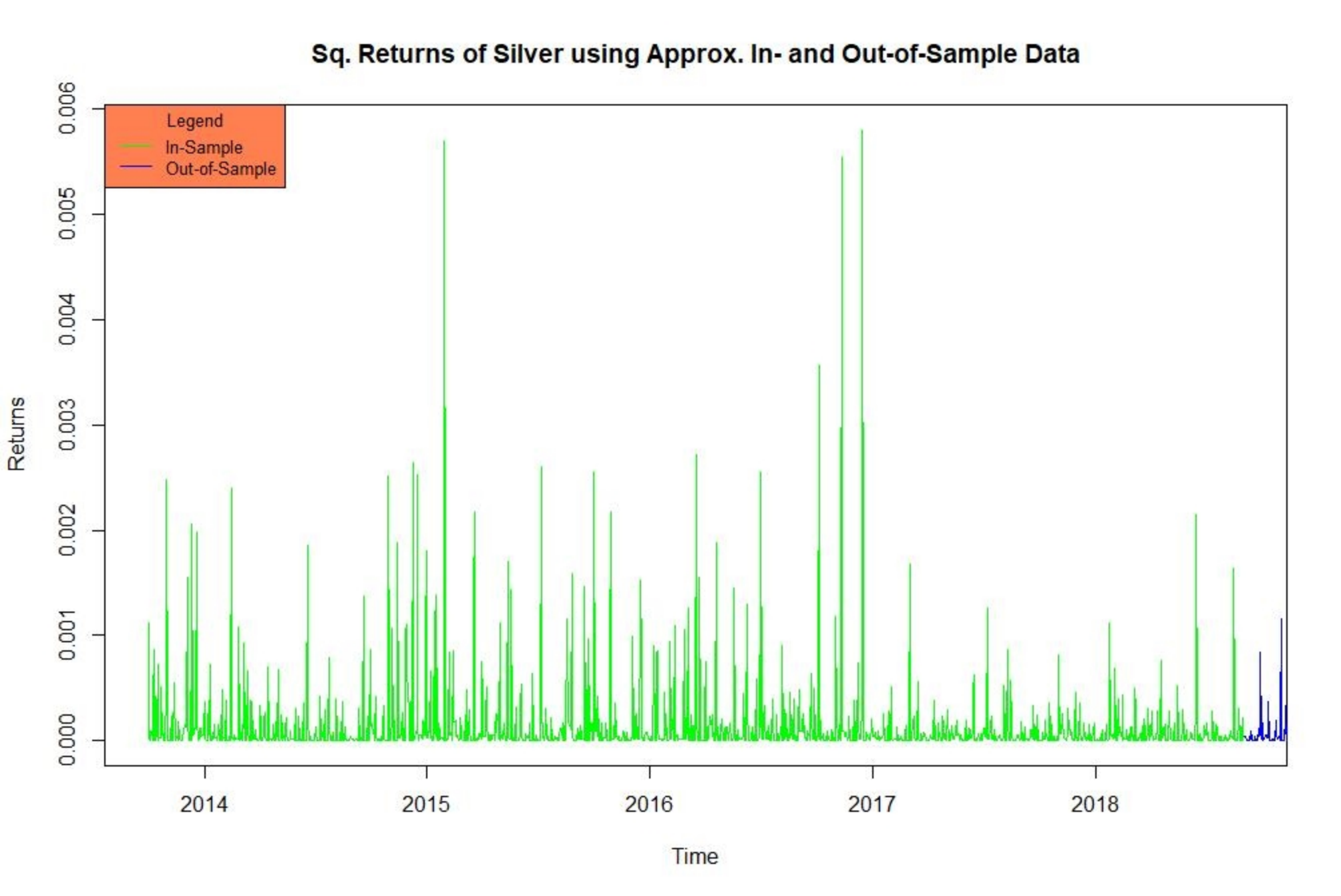

Sq. Returns of Lead using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
0.005
2014
2015
2016
2017
2018
Time

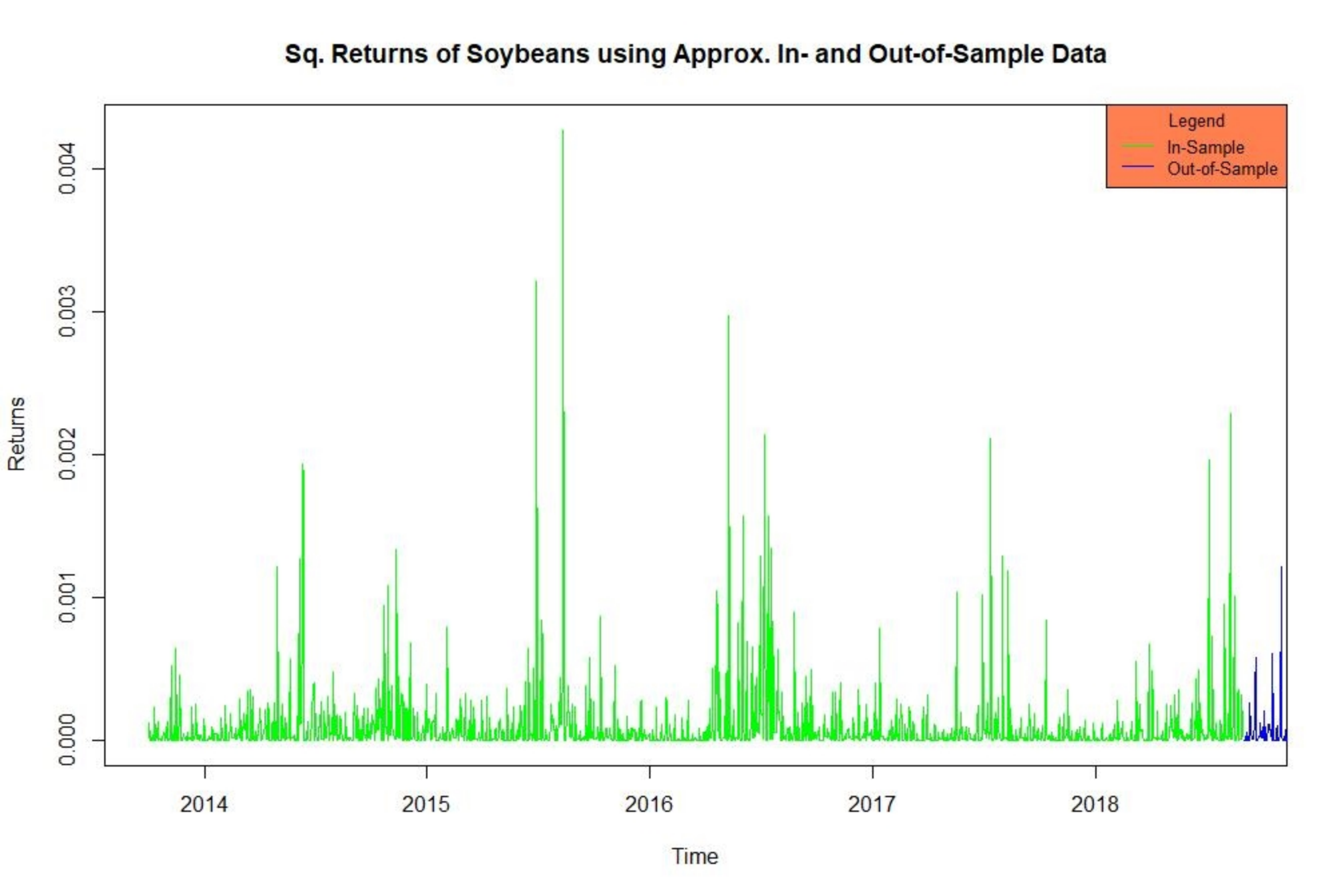

Sq. Returns of Lean Hogs using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.005
0.010
0.015
2014
2015
2016
2017
2018
Time

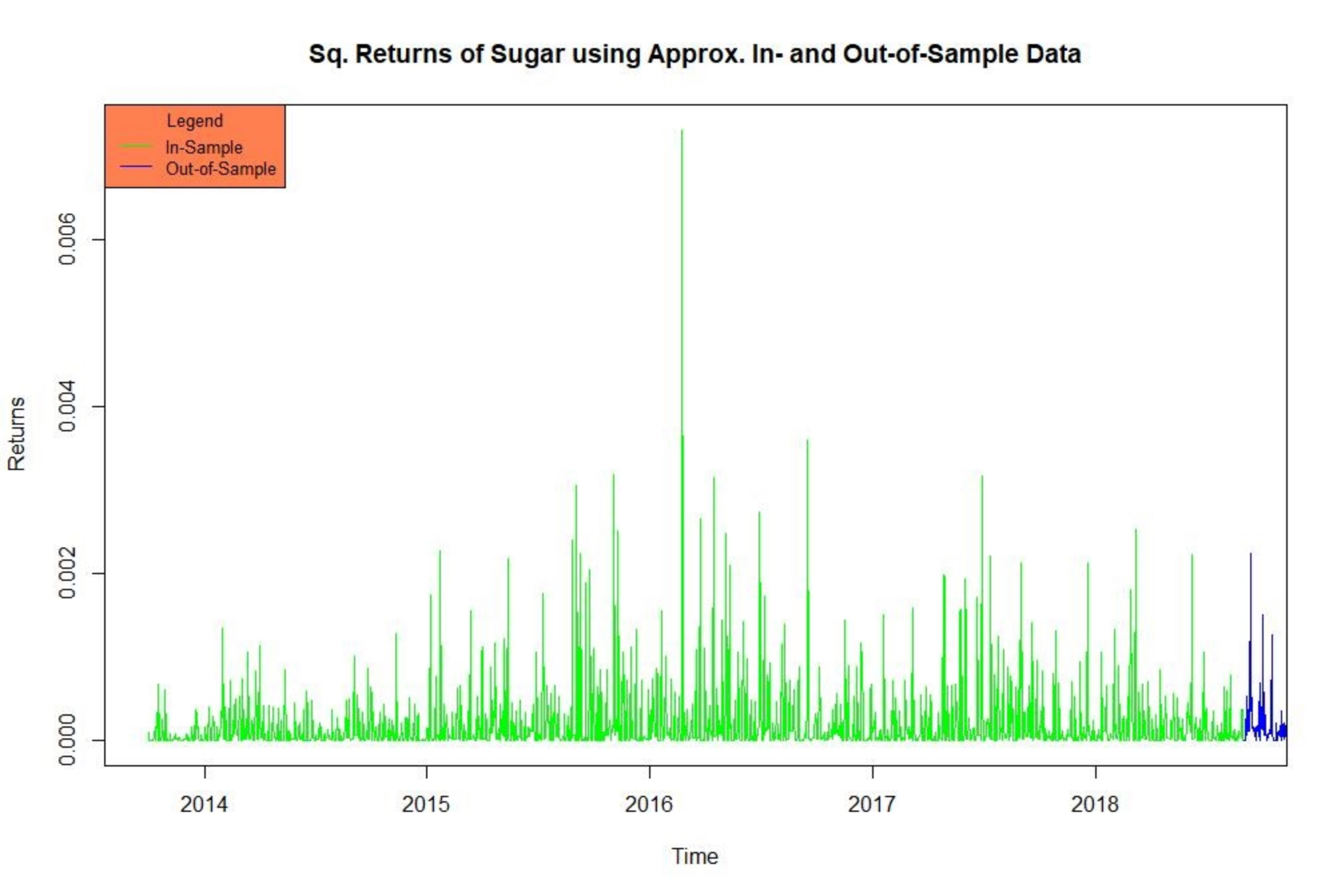

Sq. Returns of Natural Gas using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
0.010
2014
2015
2016
2017
2018
Time

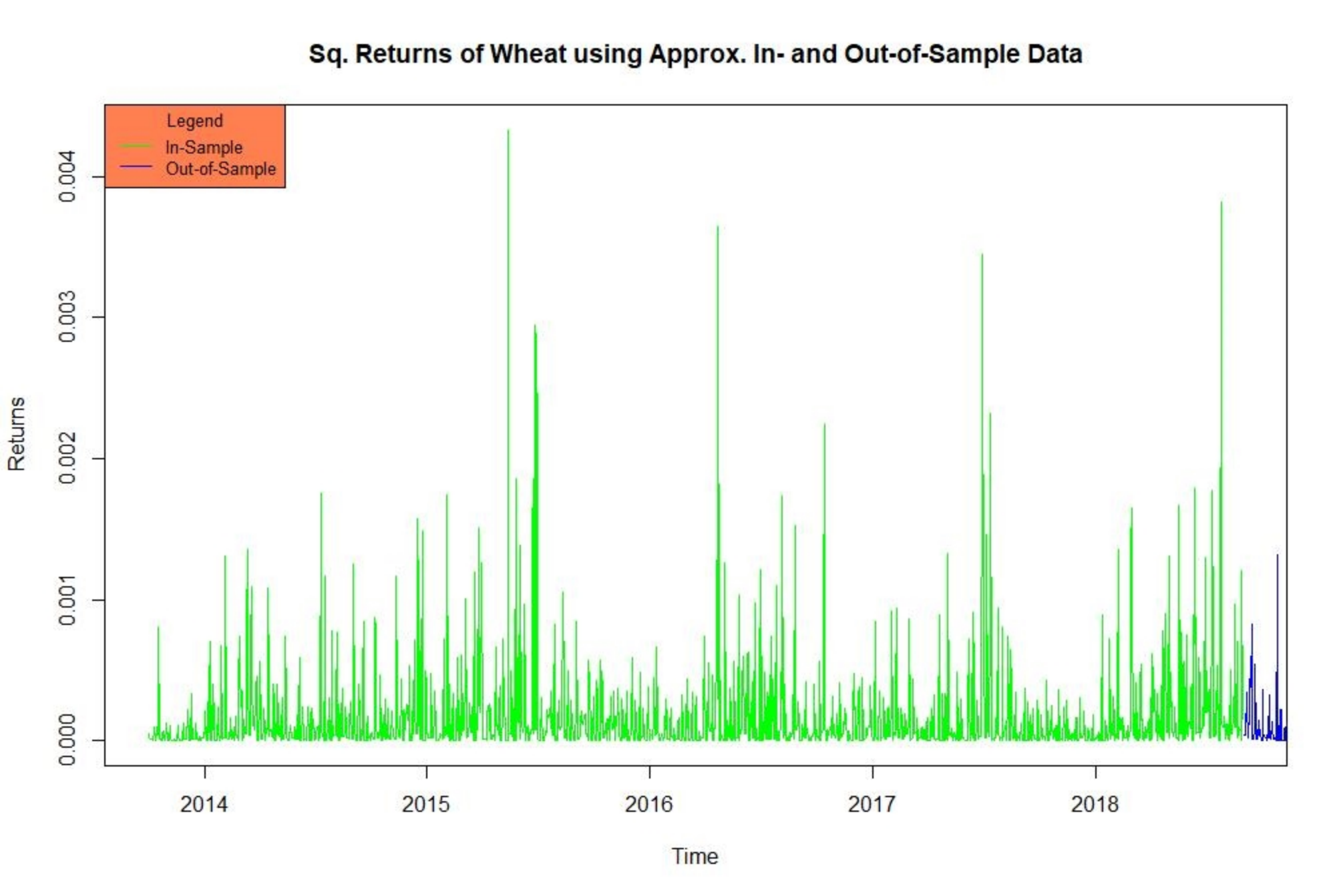

Sq. Returns of Nickel using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
2014
2015
2016
2017
2018
Time

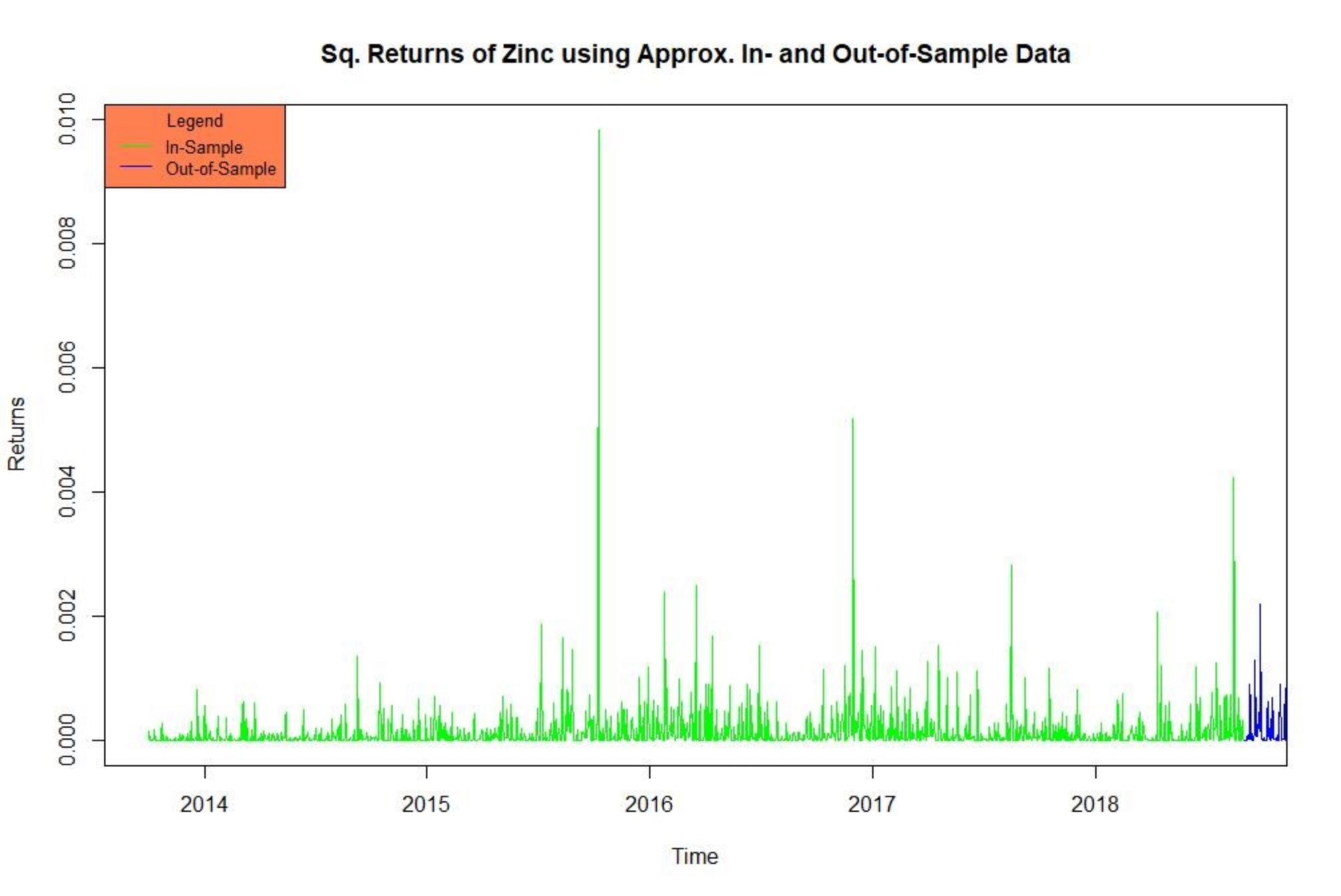

Sq. Returns of Petroleum using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
2014
2015
2016
2017
2018
Time

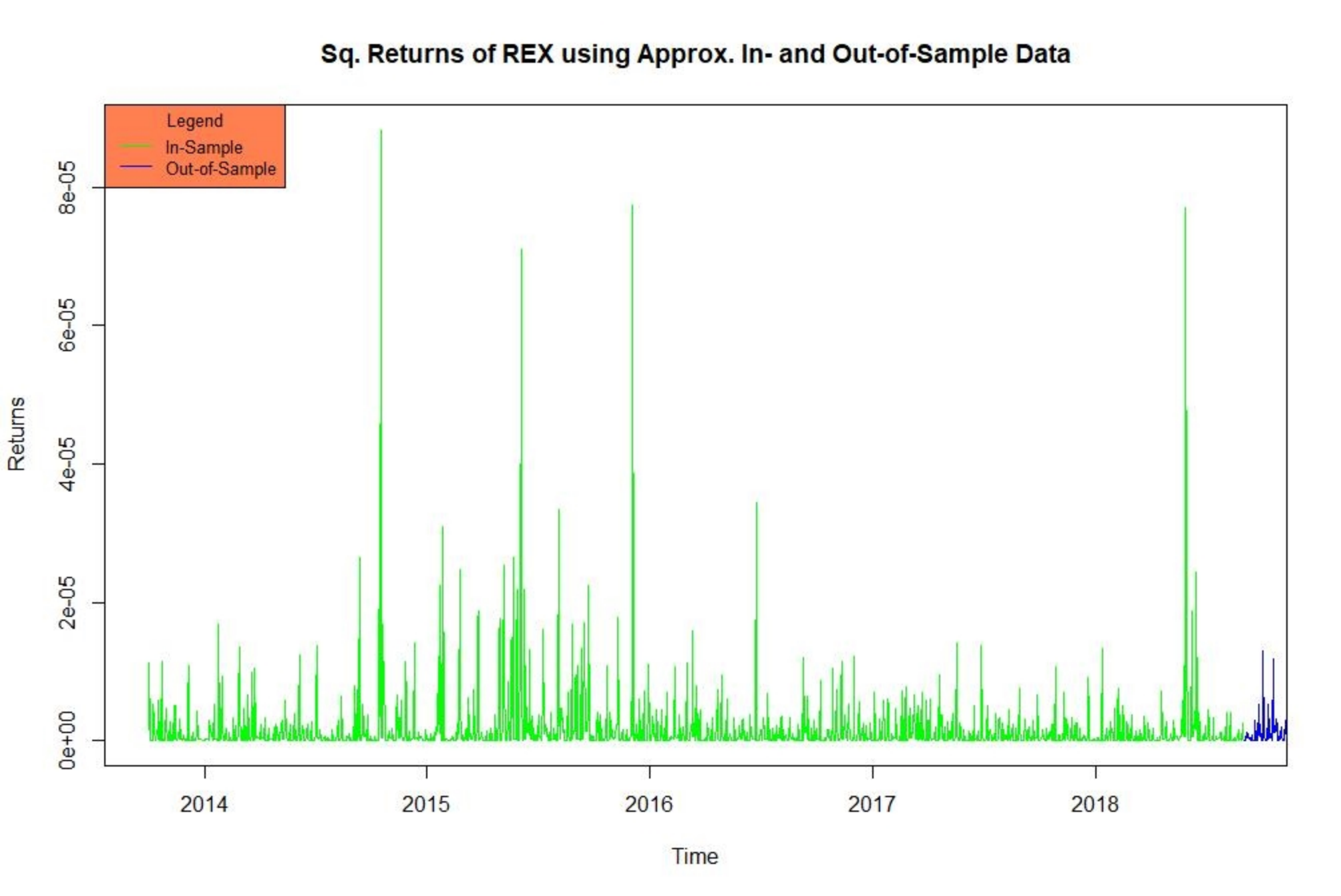

Sq. Returns of Silver using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
0.005
0.006
2014
2015
2016
2017
2018
Time

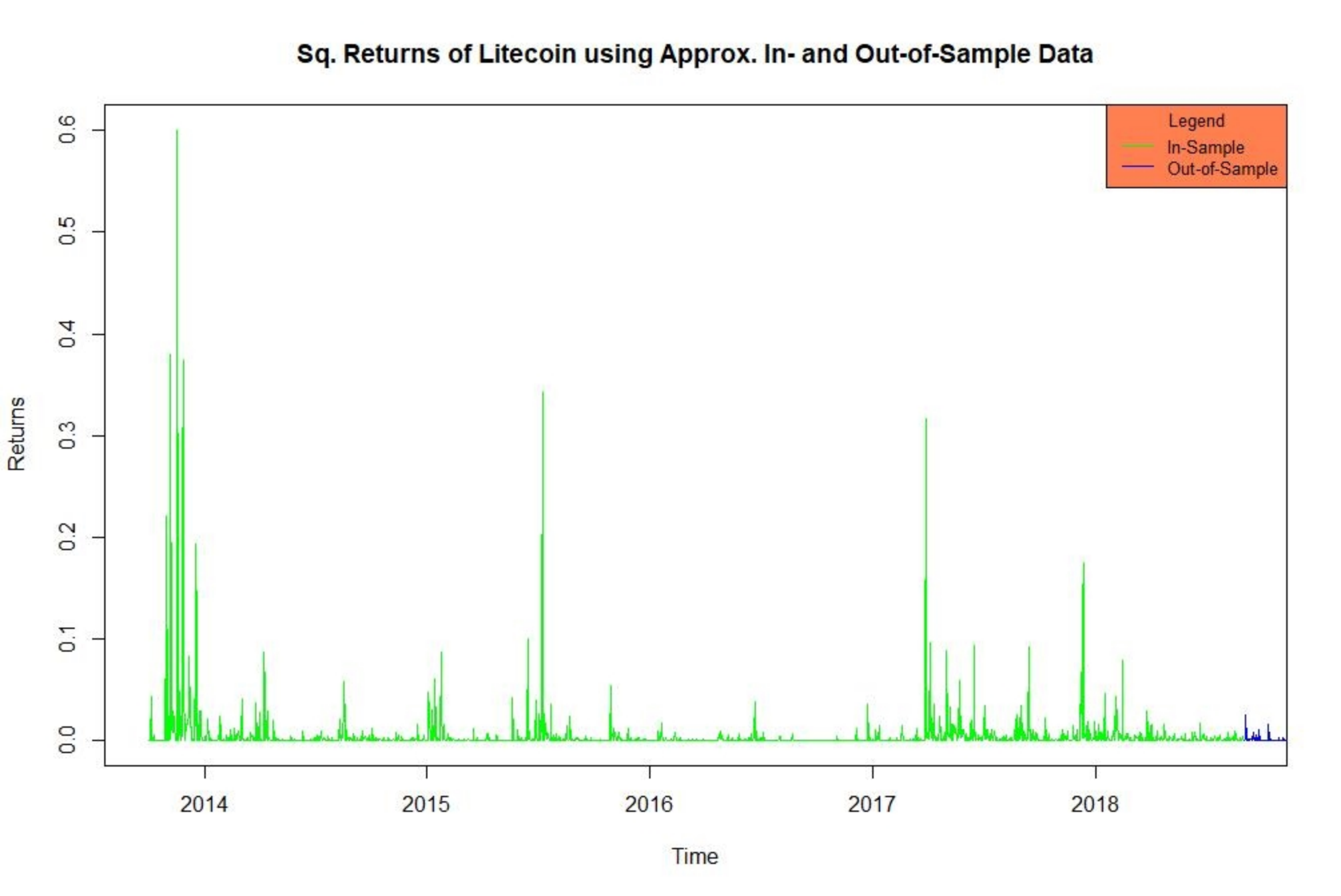

Sq. Returns of Soybeans using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
2014
2015
2016
2017
2018
Time

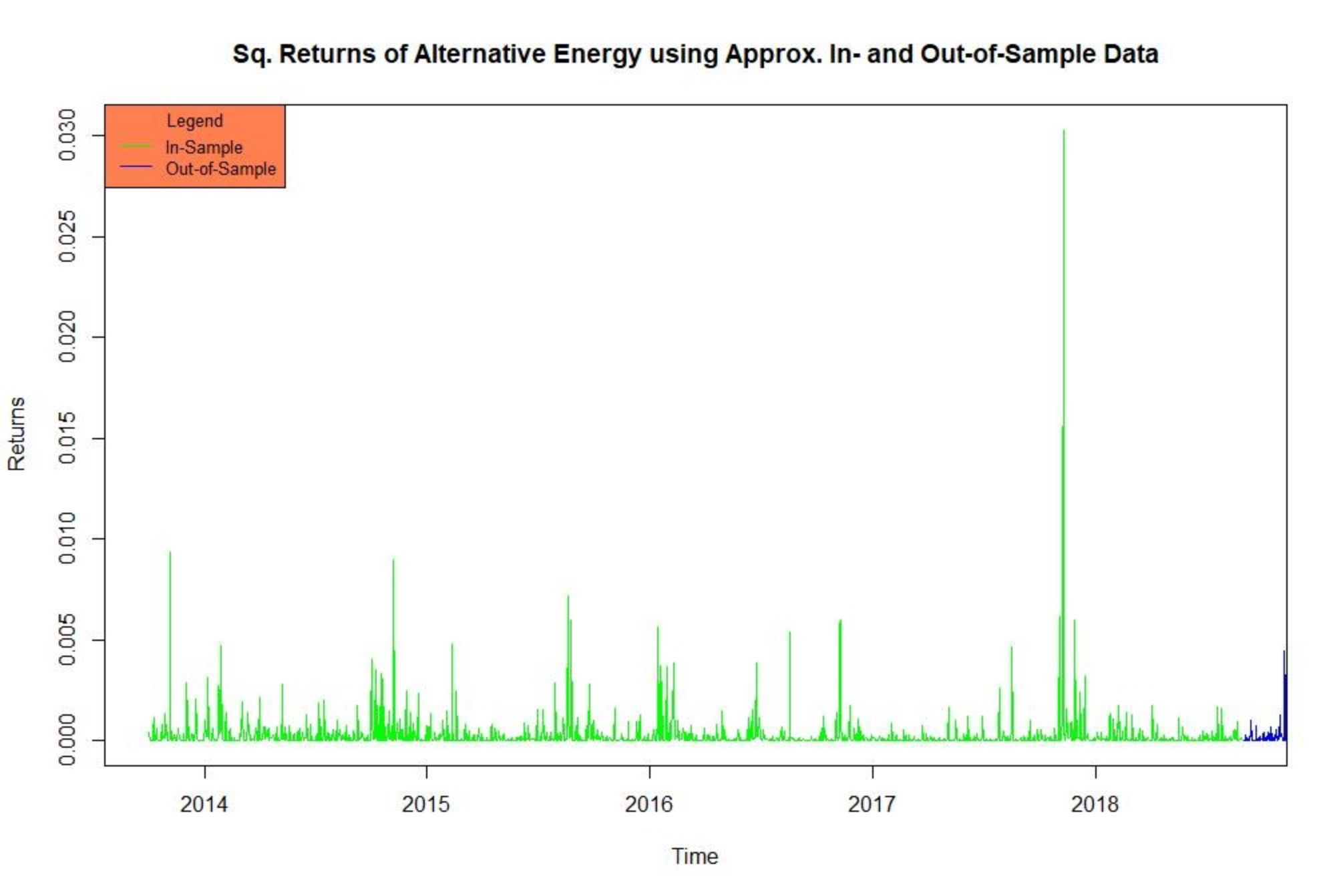

Sq. Returns of Sugar using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
2014
2015
2016
2017
2018
Time

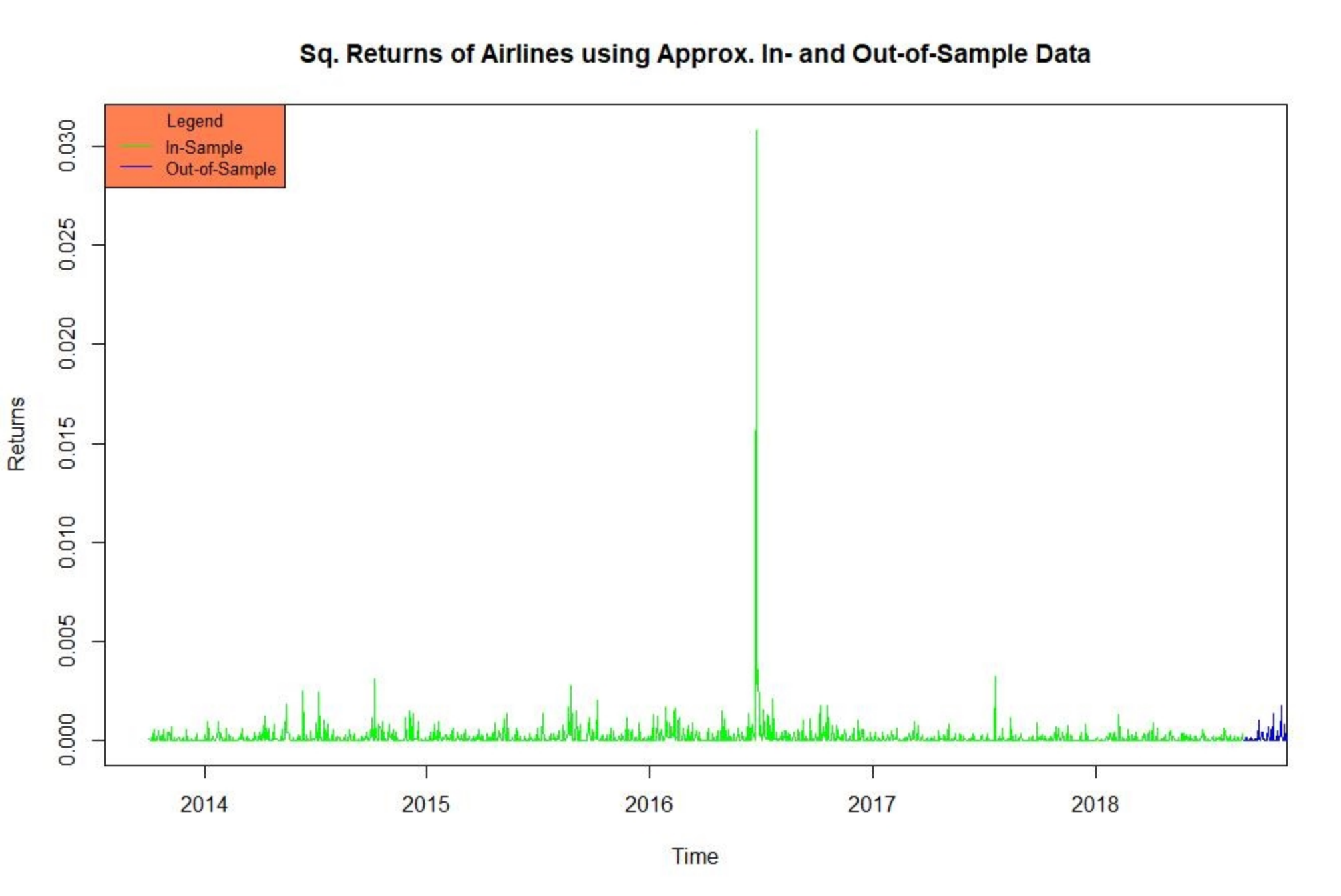

Sq. Returns of Wheat using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
2014
2015
2016
2017
2018
Time

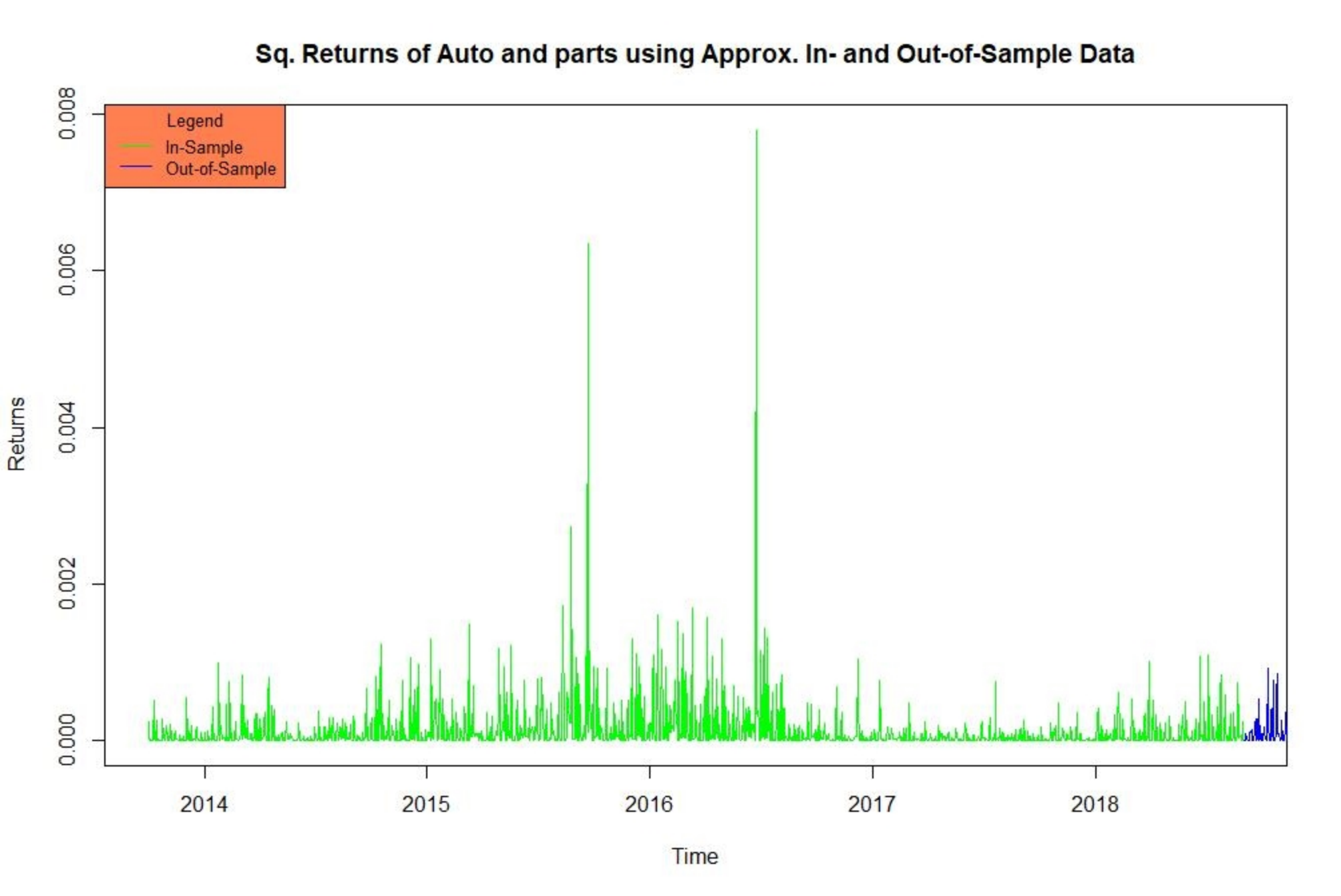

Sq. Returns of Zinc using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
0.010
2014
2015
2016
2017
2018
Time

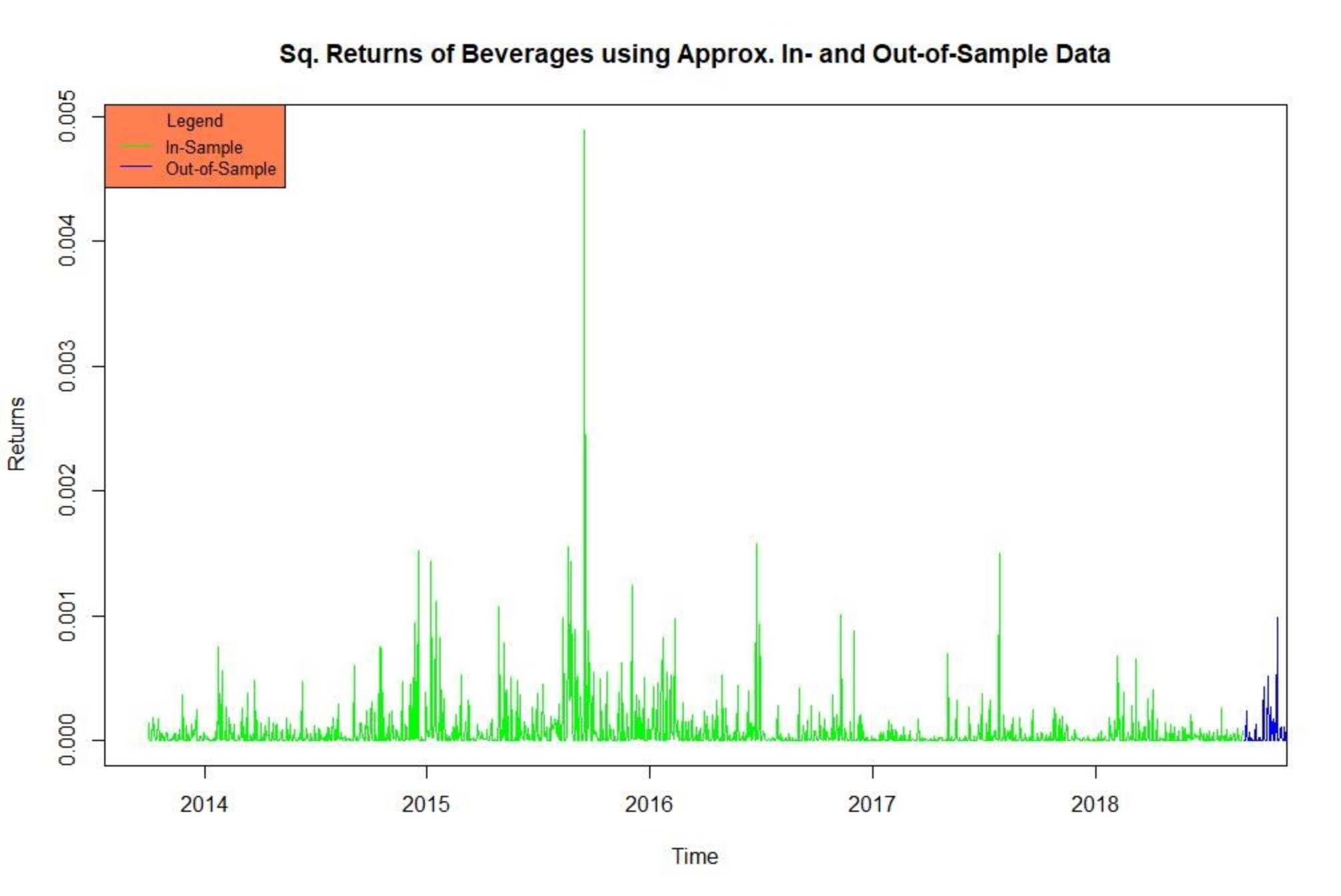

Sq. Returns of REX using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0e+00
2e-05
4e-05
6e-05
8e-05
2014
2015
2016
2017
2018
Time

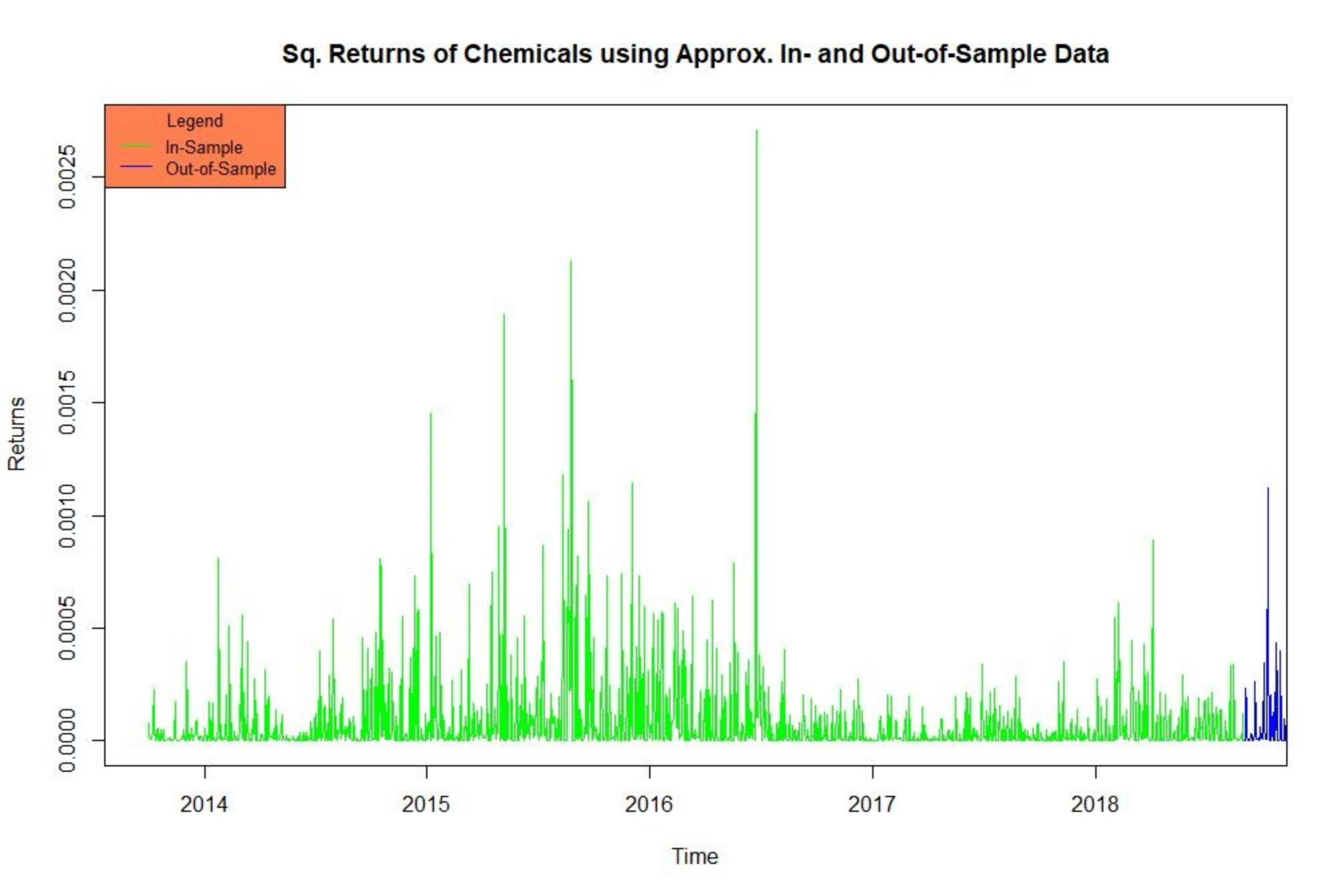

Sq. Returns of Litecoin using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0
0.1
0.2
0.3
0.4
0.5
0.6
2014
2015
2016
2017
2018
Time

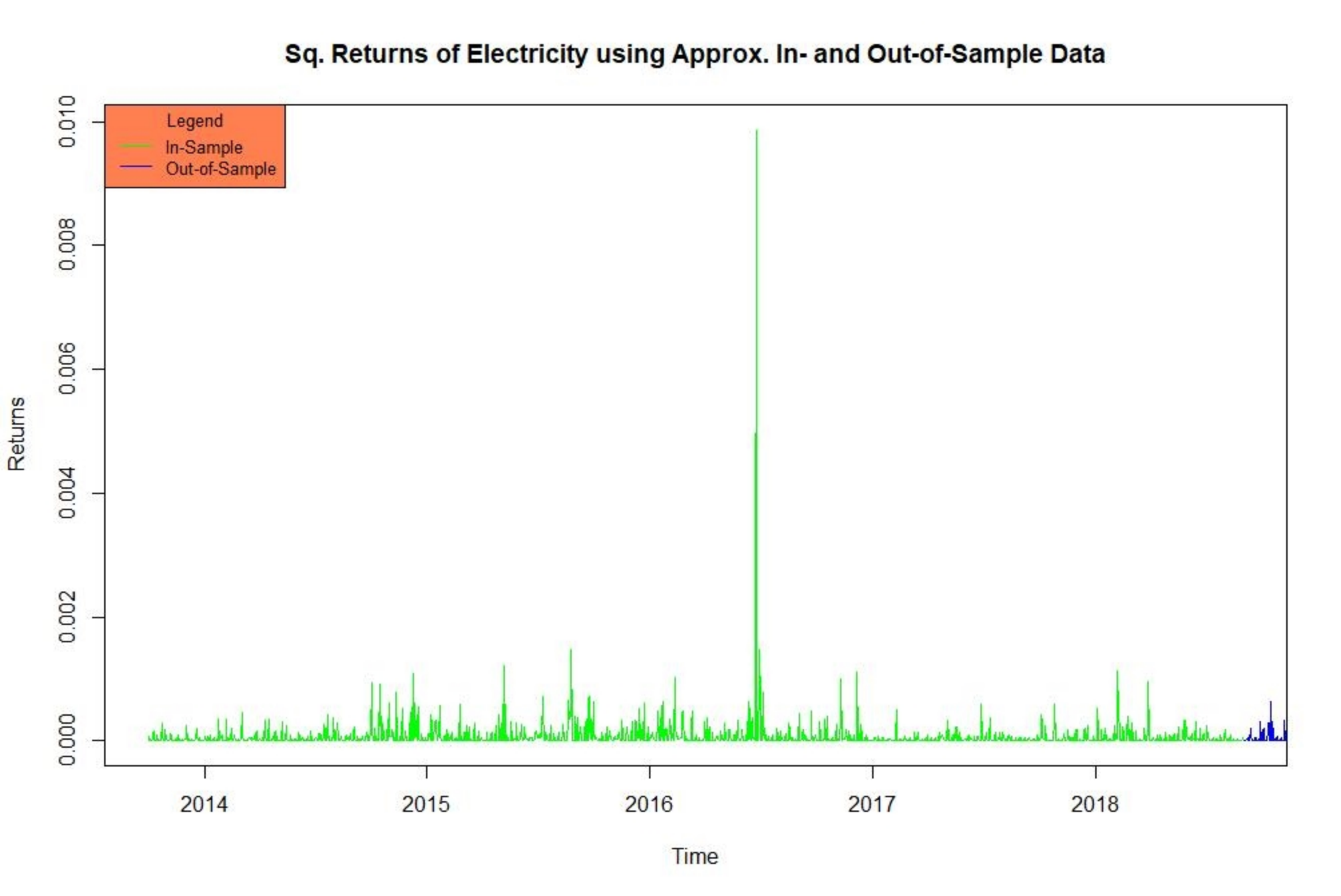

Sq. Returns of Alternative Energy using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.005
0.010
0.015
0.020
0.025
0.030
2014
2015
2016
2017
2018
Time

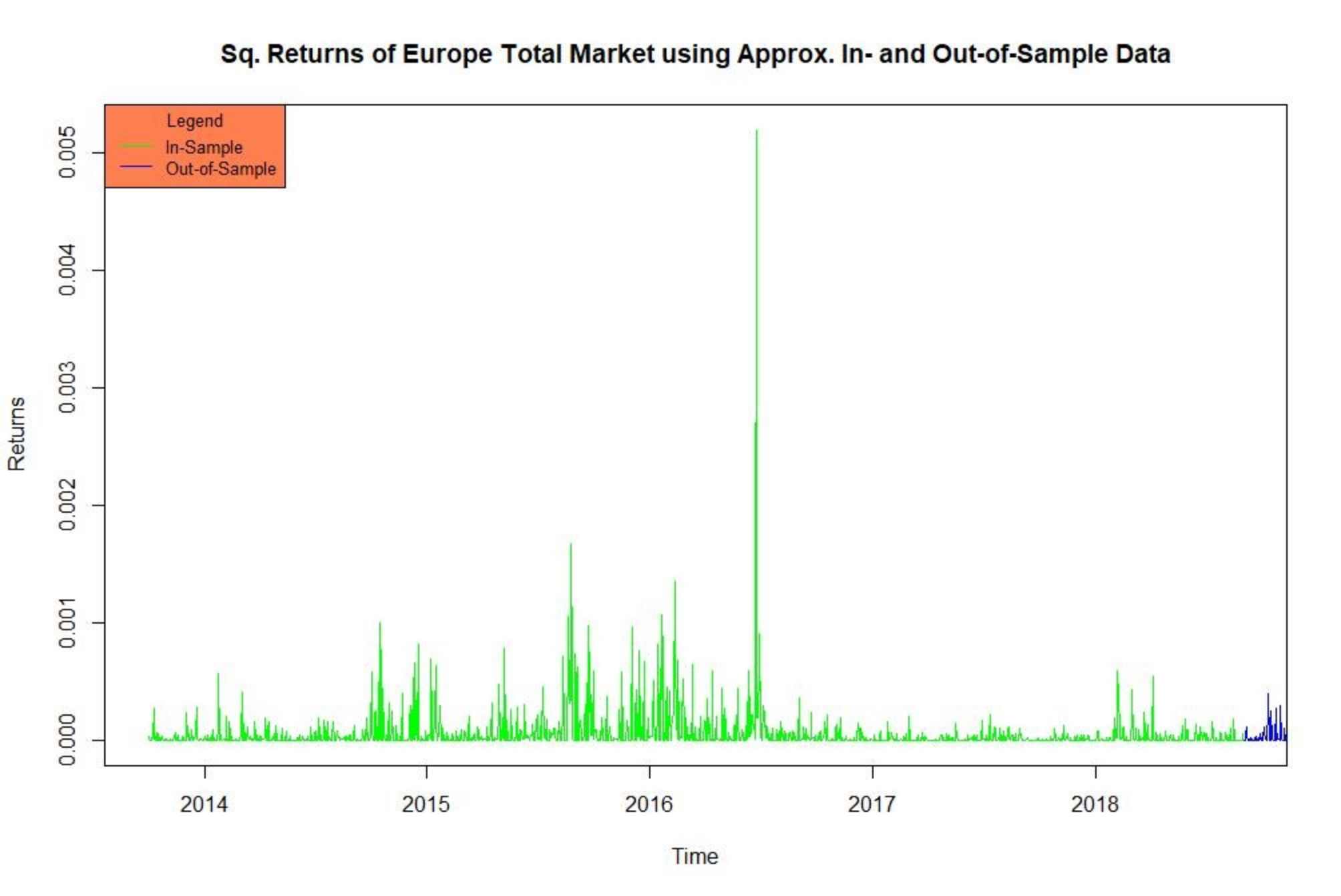

Sq. Returns of Airlines using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.005
0.010
0.015
0.020
0.025
0.030
2014
2015
2016
2017
2018
Time

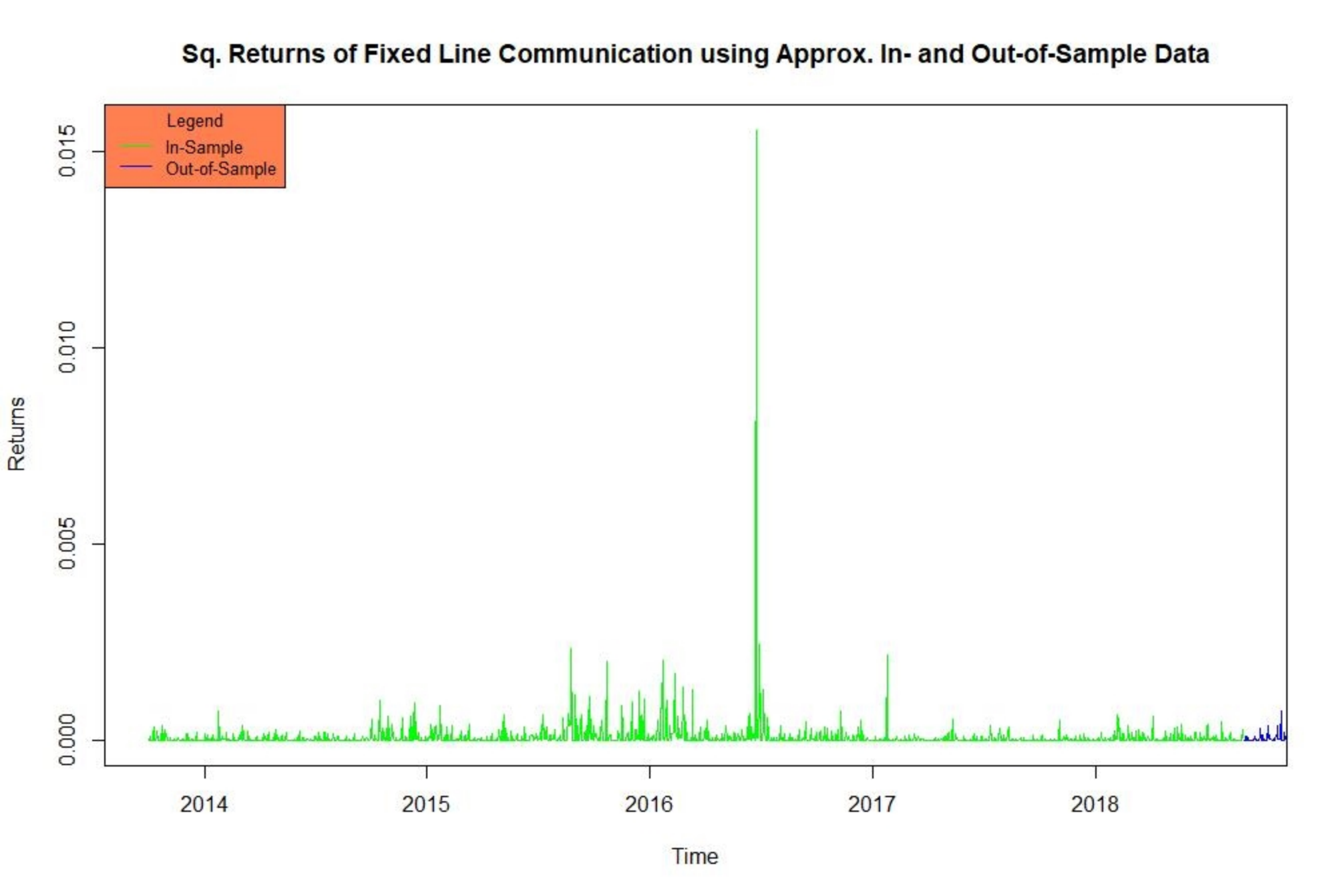

Sq. Returns of Auto and parts using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
2014
2015
2016
2017
2018
Time

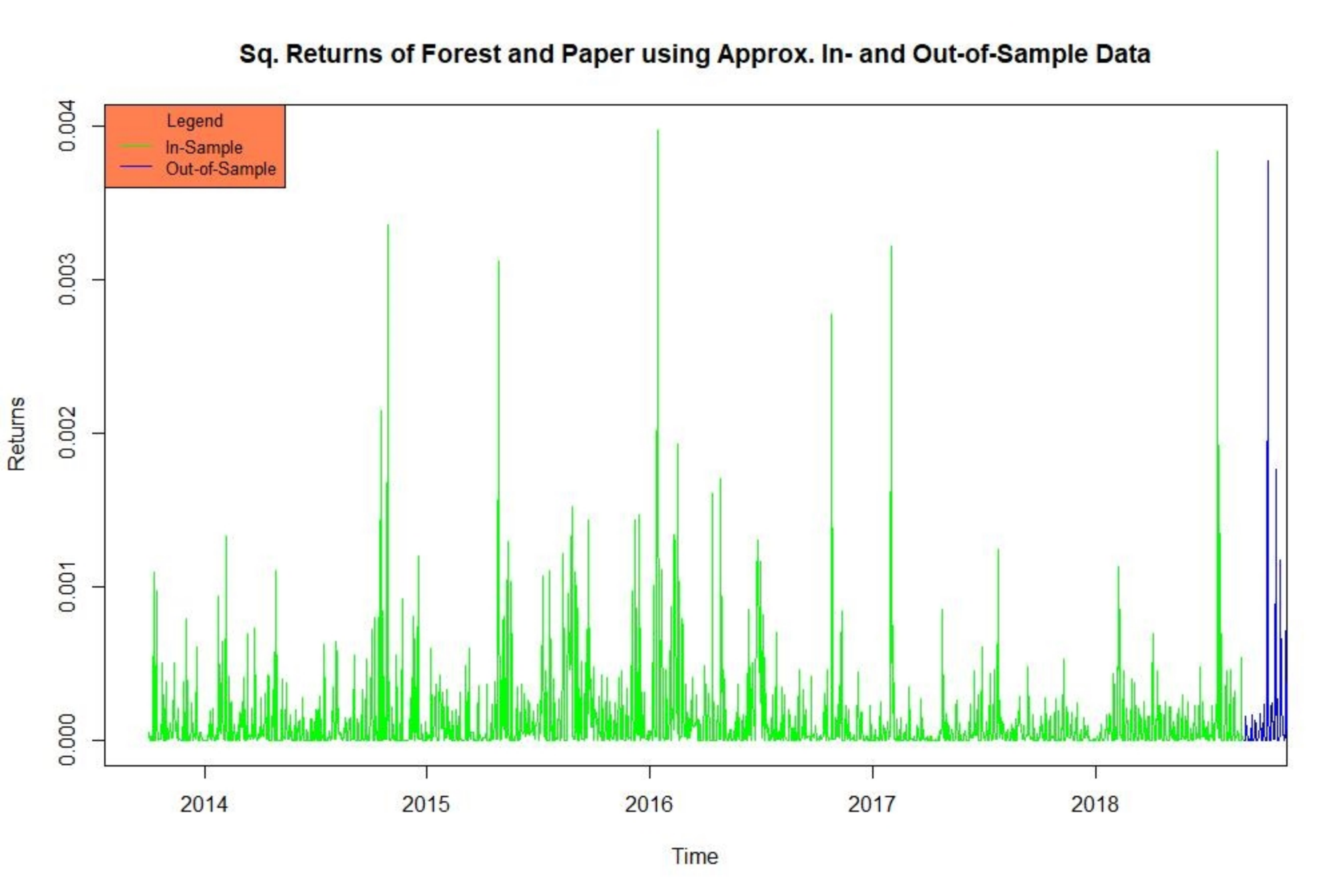

Sq. Returns of Beverages using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
0.005
2014
2015
2016
2017
2018
Time

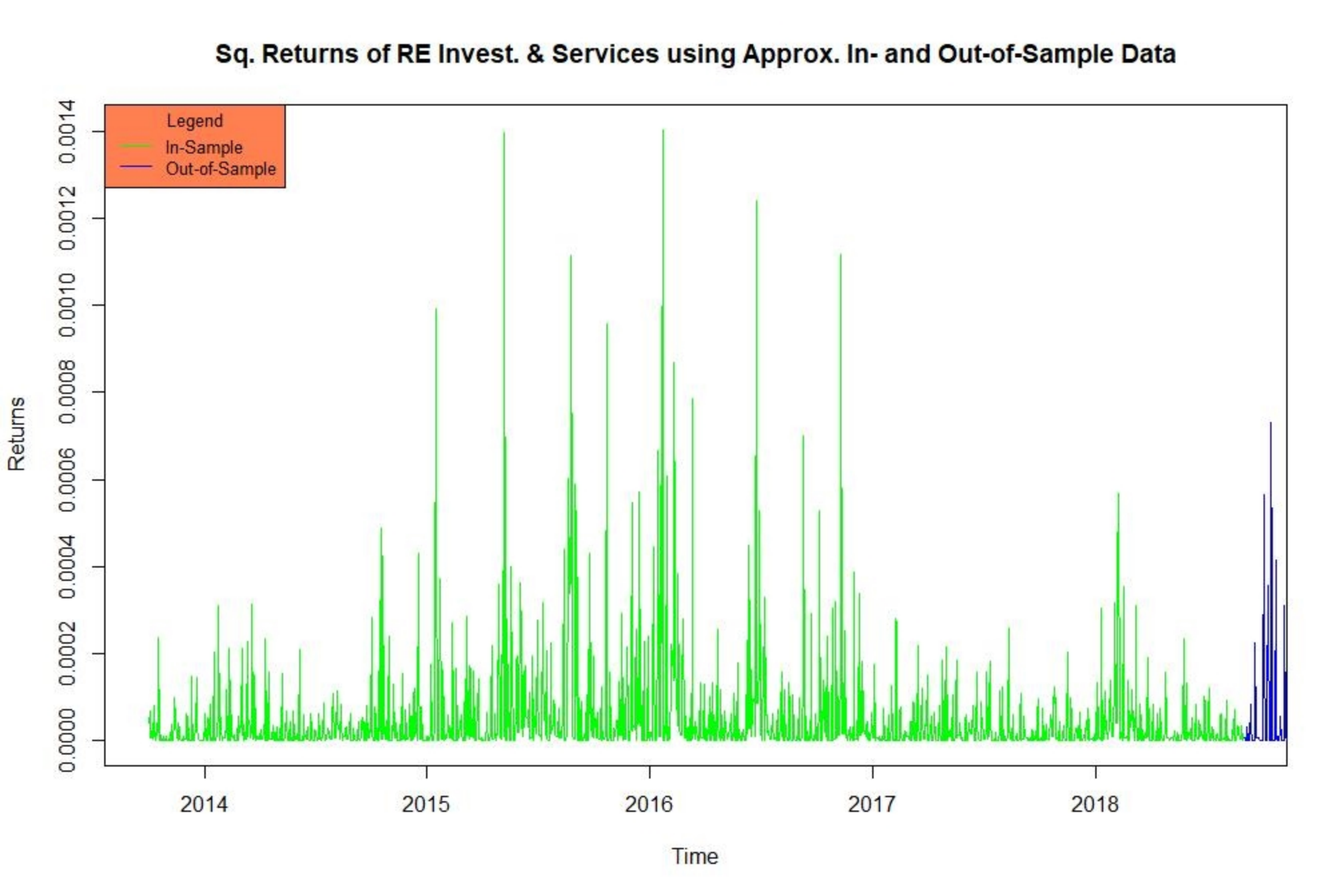

Sq. Returns of Chemicals using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
2014
2015
2016
2017
2018
Time

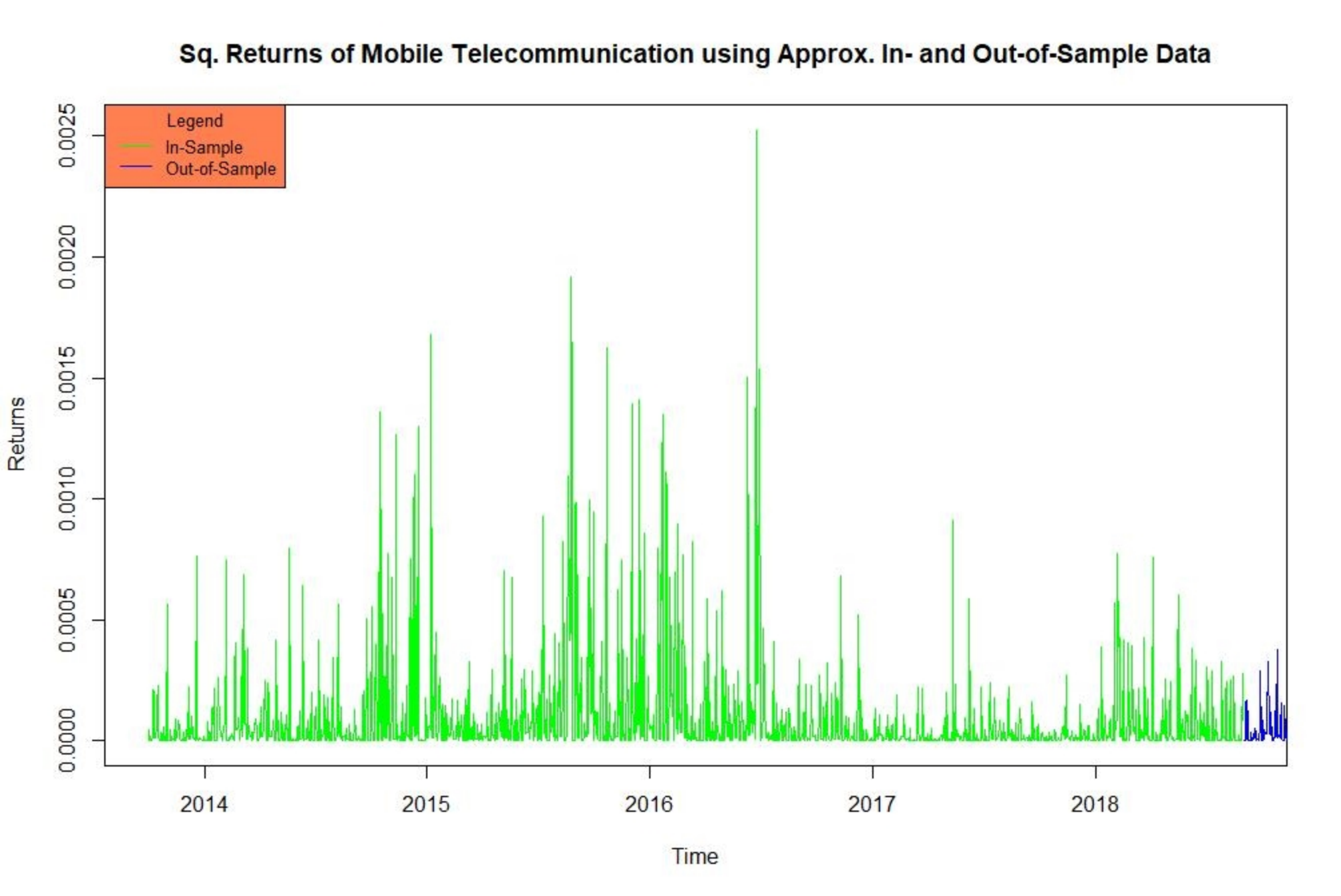

Sq. Returns of Electricity using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.002
0.004
0.006
0.008
0.010
2014
2015
2016
2017
2018
Time

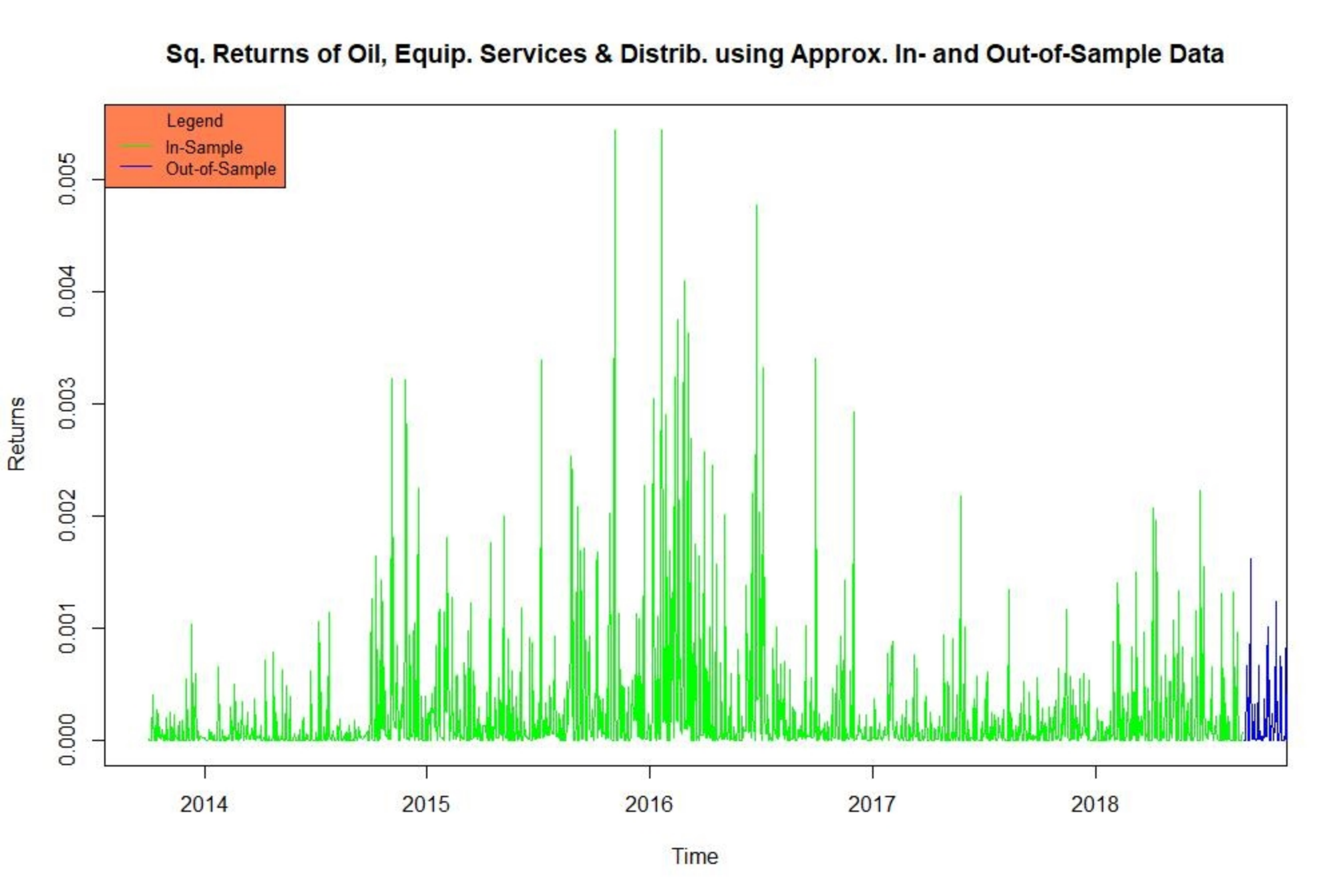

Sq. Returns of Europe Total Market using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
0.005
2014
2015
2016
2017
2018
Time

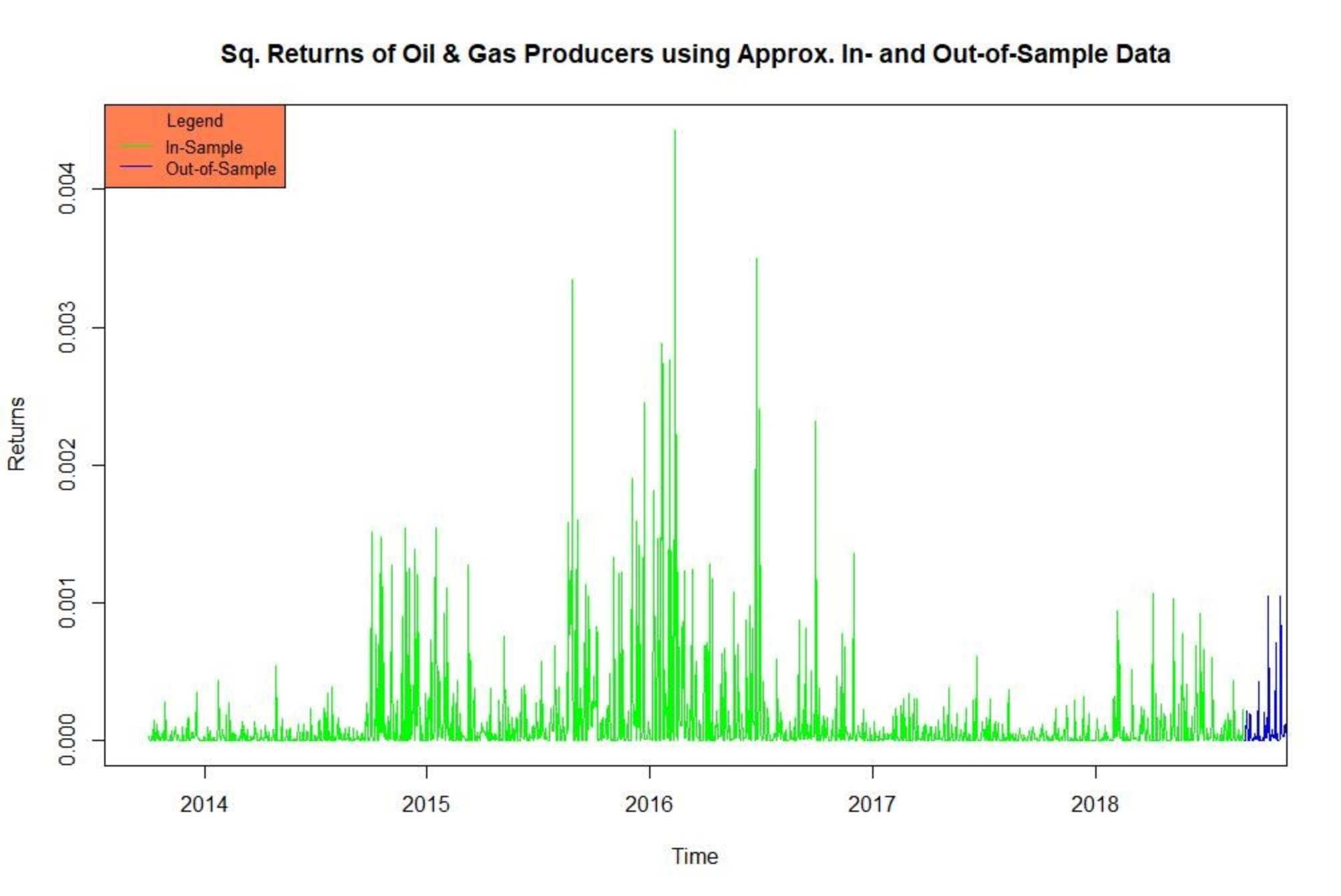

Sq. Returns of Fixed Line Communication using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.005
0.010
0.015
2014
2015
2016
2017
2018
Time

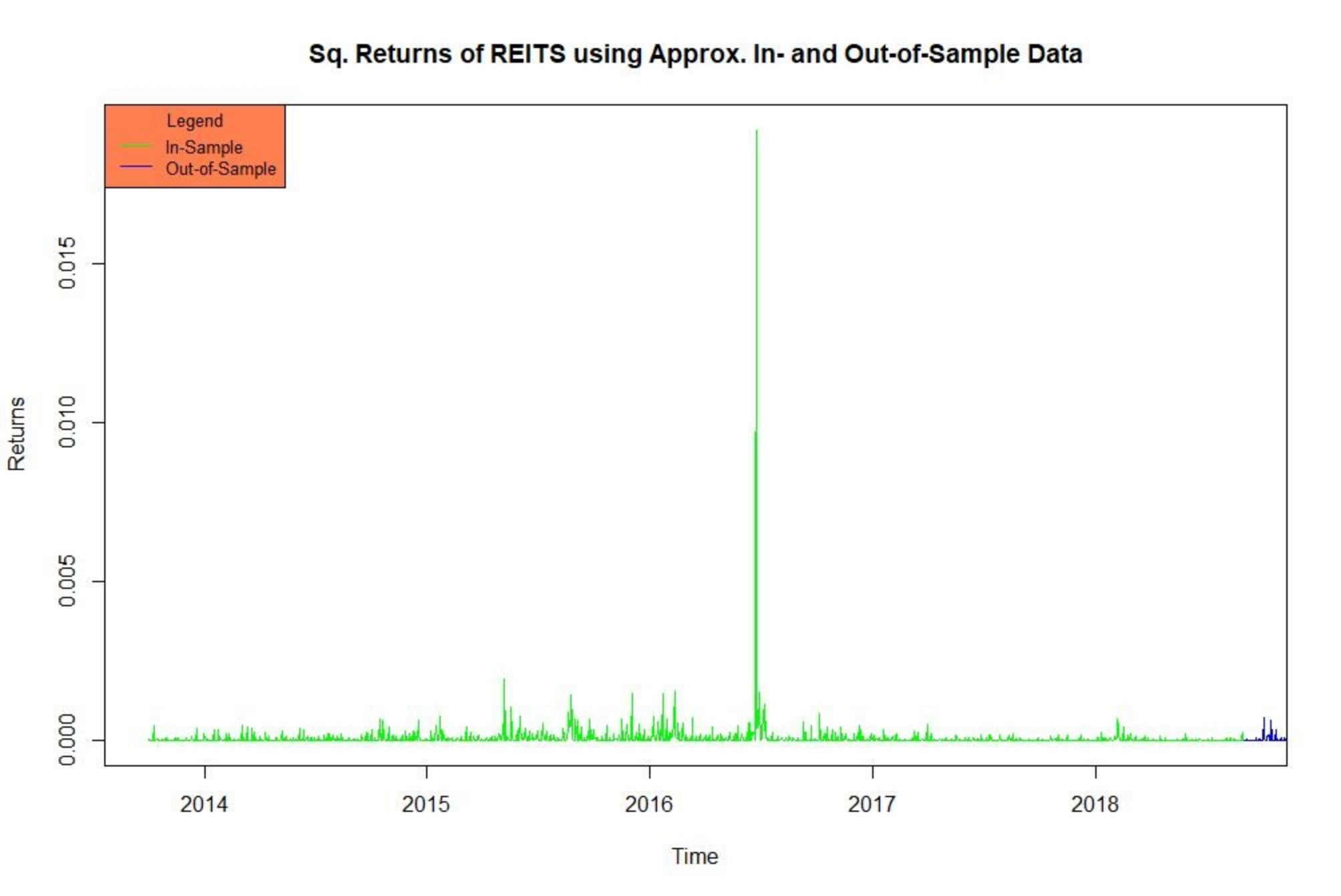

Sq. Returns of Forest and Paper using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
2014
2015
2016
2017
2018
Time

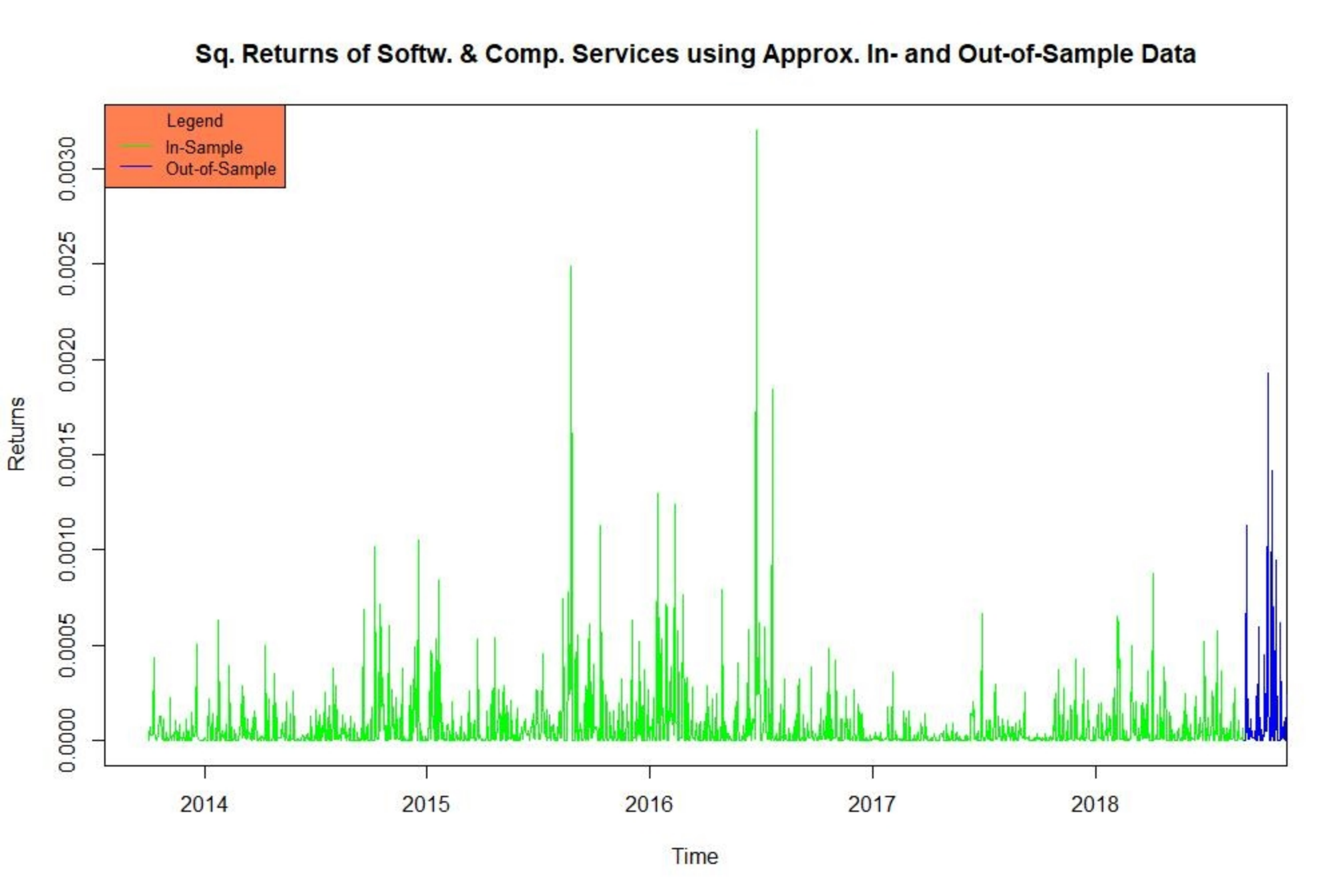

Sq. Returns of RE Invest. & Services using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0002
0.0004
0.0006
0.0008
0.0010
0.0012
0.0014
2014
2015
2016
2017
2018
Time

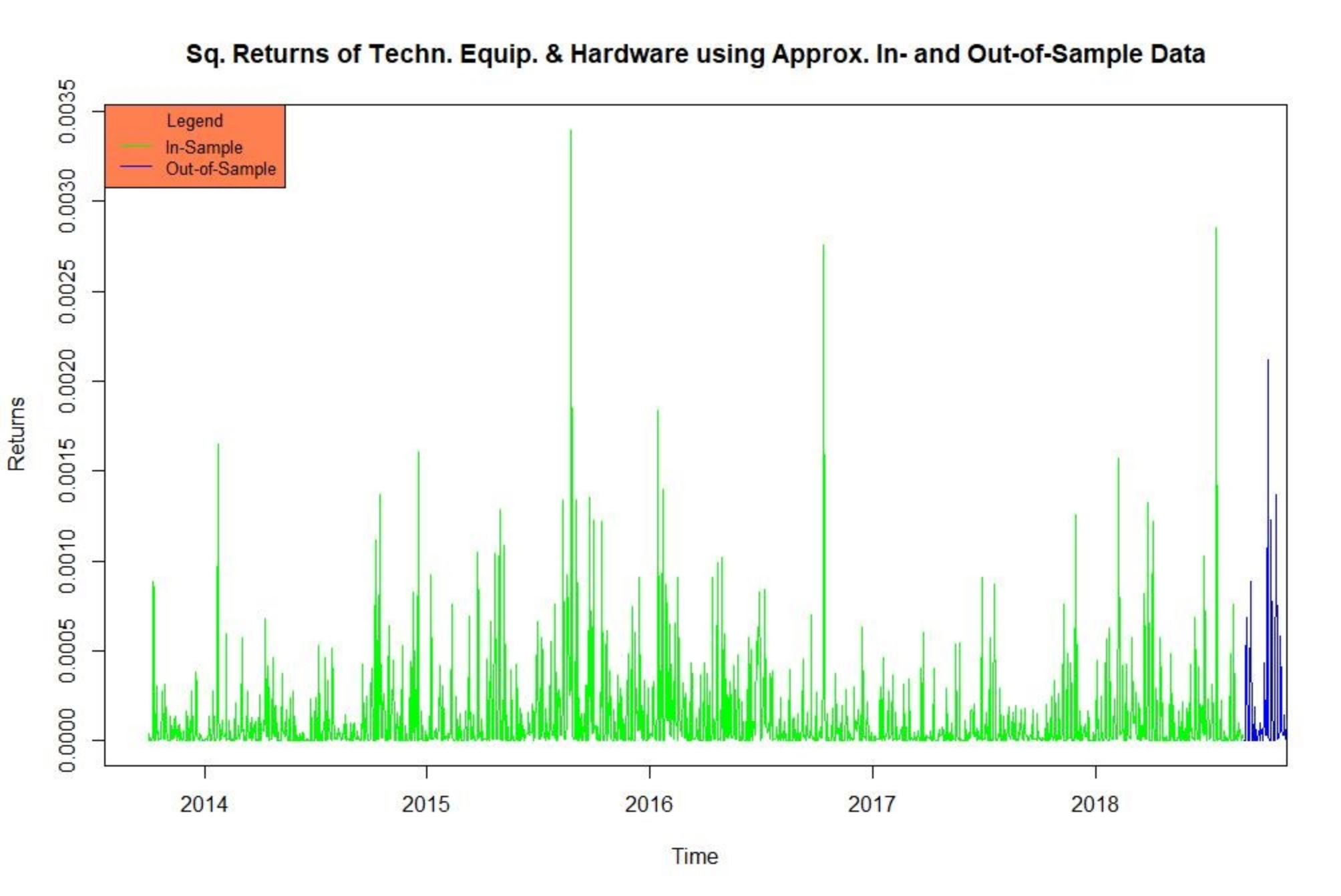

Sq. Returns of Mobile Telecommunication using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
2014
2015
2016
2017
2018
Time

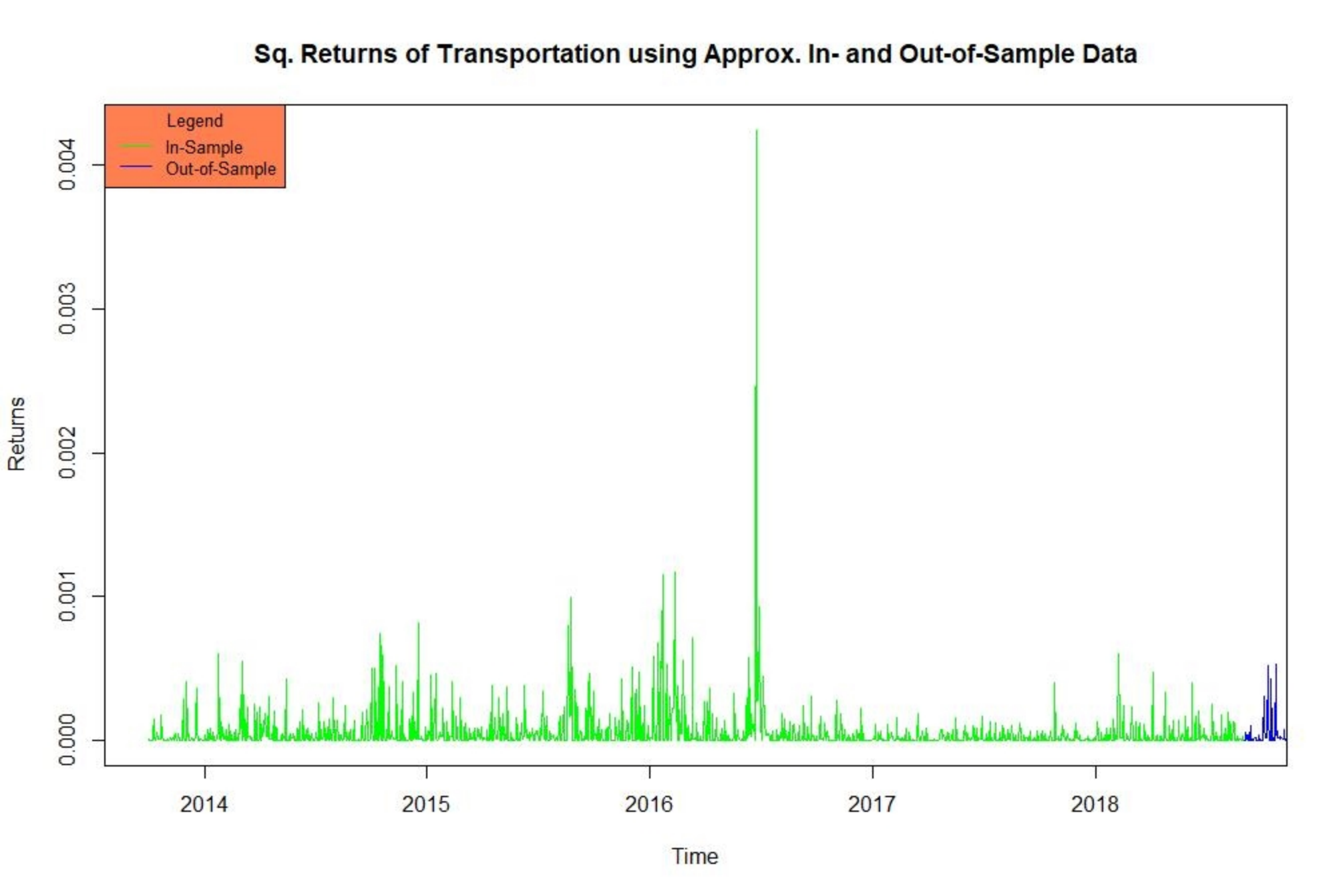

Sq. Returns of Oil, Equip. Services & Distrib. using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
0.005
2014
2015
2016
2017
2018
Time

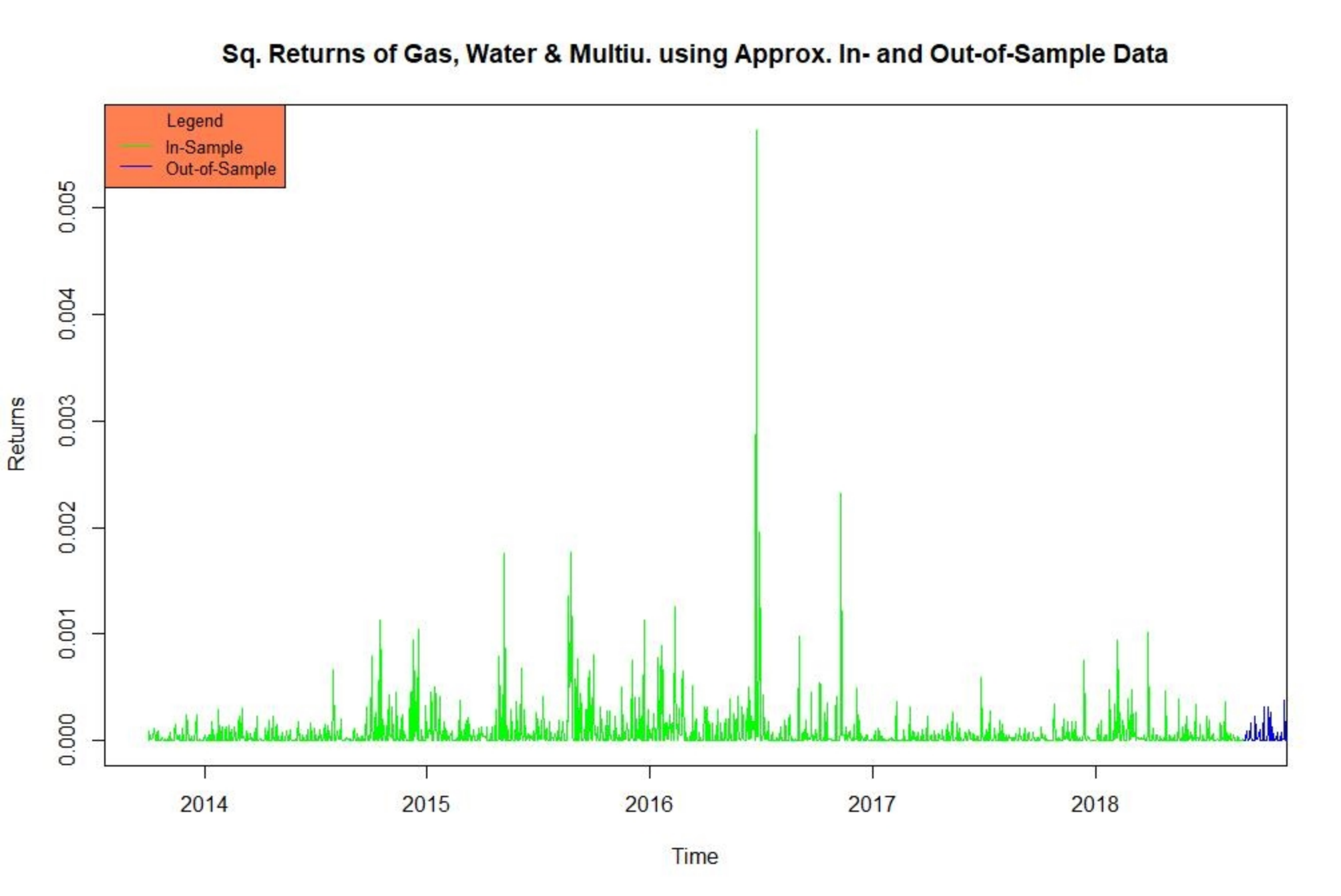

Sq. Returns of Oil & Gas Producers using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
2014
2015
2016
2017
2018
Time


Sq. Returns of REITS using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.005
0.010
0.015
2014
2015
2016
2017
2018
Time


Sq. Returns of Softw. & Comp. Services using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
0.0030
2014
2015
2016
2017
2018
Time


Sq. Returns of Techn. Equip. & Hardware using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
0.0030
0.0035
2014
2015
2016
2017
2018
Time


Sq. Returns of Transportation using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
2014
2015
2016
2017
2018
Time


Sq. Returns of Gas, Water & Multiu. using Approx. In- and Out-of-Sample Data
Legend
In-Sample
Out-of-Sample
Returns
0.000
0.001
0.002
0.003
0.004
0.005
2014
2015
2016
2017
2018
Time

DIGITAL APPENDIX K

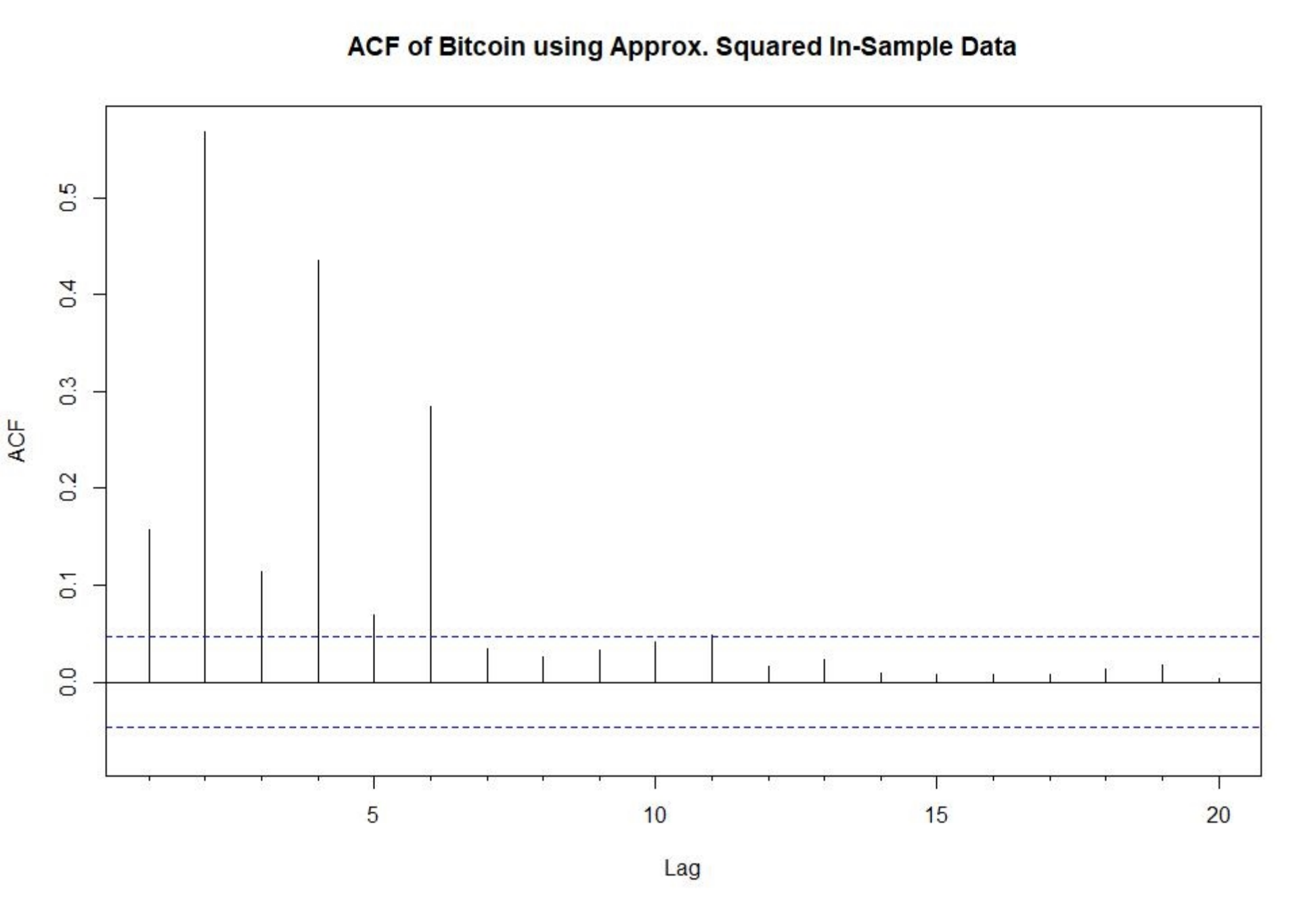
DIGITAL APPENDIX K

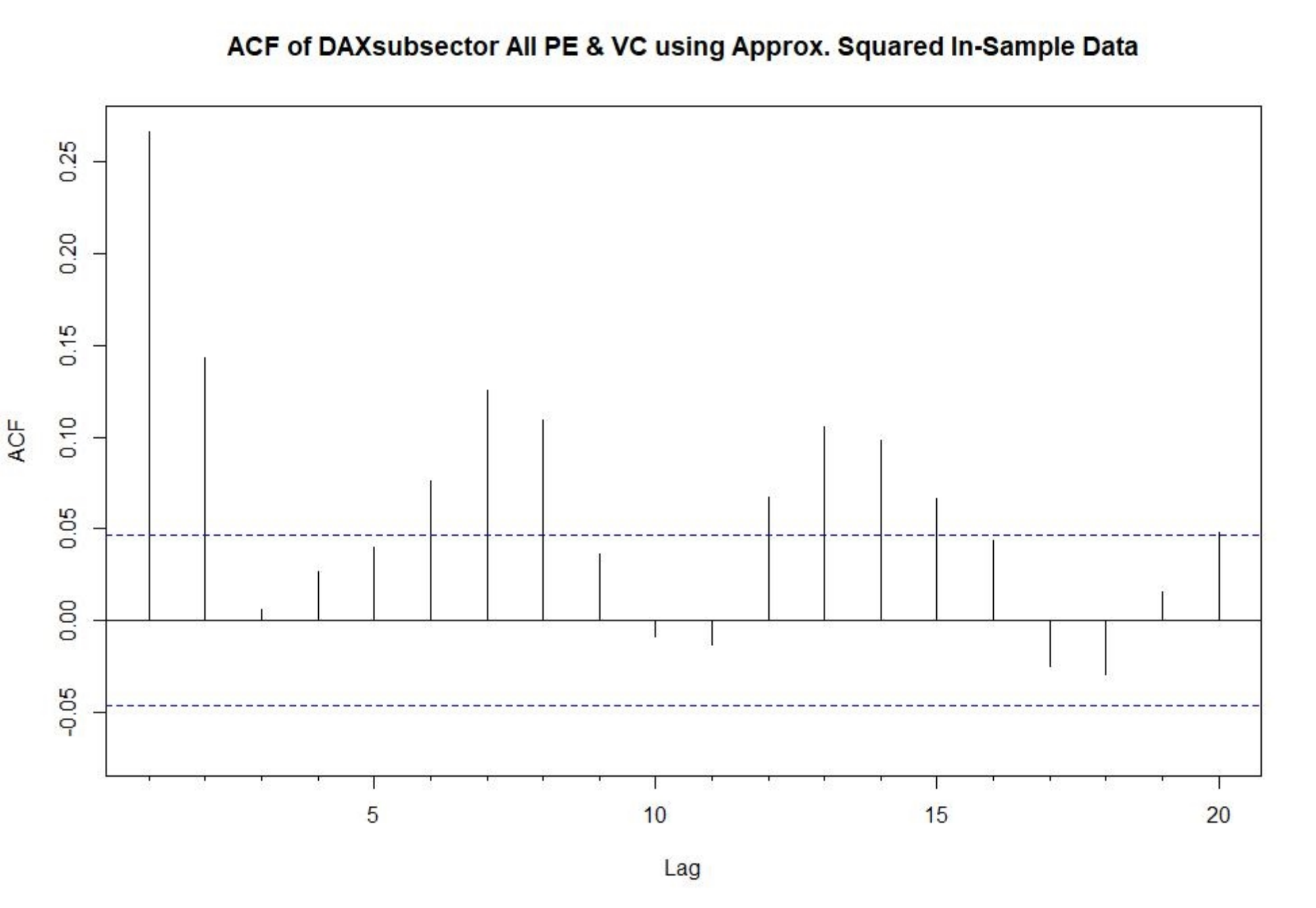
K_[CODE]_Chapter 4.7._ACF of Squared Returns

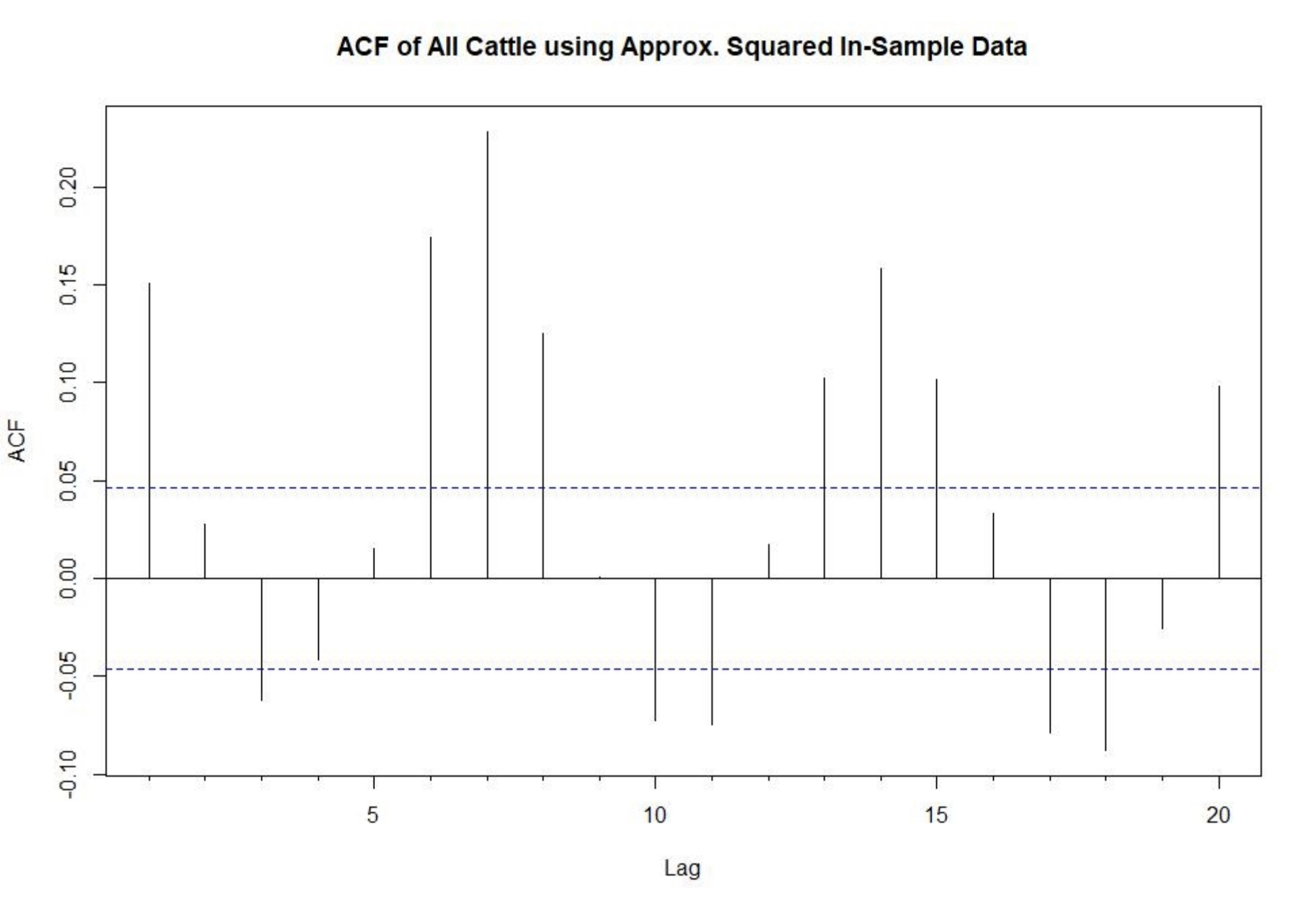
```
#ACF of Squared Returns
par(mfrow=c(1,1))
Acf(datDJACretINSA$rev.DJACretINSA^2, lag.max=20, main="ACF of All Cattle using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJAC.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJALretINSA$rev.DJALretINSA^2, lag.max=20, main="ACF of Aluminium using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJAL.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJCCretINSA$rev.DJCCretINSA^2, lag.max=20, main="ACF of Cocoa using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJCC.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJCFretINSA$rev.DJCFretINSA^2, lag.max=20, main="ACF of Coffee using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJCF.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJCPretINSA$rev.DJCPretINSA^2, lag.max=20, main="ACF of Copper using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJCP.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJCTretINSA$rev.DJCTretINSA^2, lag.max=20, main="ACF of Cotton using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJCT.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJLEretINSA$rev.DJLEretINSA^2, lag.max=20, main="ACF of Lead using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJLE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJGOretINSA$rev.DJGOretINSA^2, lag.max=20, main="ACF of Gold using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJGO.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJNIretINSA$rev.DJNIretINSA^2, lag.max=20, main="ACF of Nickel using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJNI.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJSIretINSA$rev.DJSIretINSA^2, lag.max=20, main="ACF of Silver using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJSI.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJSUretINSA$rev.DJSUretINSA^2, lag.max=20, main="ACF of Sugar using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJSU.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJWEretINSA$rev.DJWEretINSA^2, lag.max=20, main="ACF of Wheat using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJWE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJZIretINSA$rev.DJZIretINSA^2, lag.max=20, main="ACF of Zinc using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJZI.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJLHretINSA$rev.DJLHretINSA^2, lag.max=20, main="ACF of Lean Hogs using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJLH.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJNGretINSA$rev.DJNGretINSA^2, lag.max=20, main="ACF of Natural Gas using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJNG.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJPEretINSA$rev.DJPEretINSA^2, lag.max=20, main="ACF of Petroleum using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJPE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDJSOretINSA$rev.DJSOretINSA^2, lag.max=20, main="ACF of Soybeans using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DJSO.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEFPretINSA$rev.SEFPretINSA^2, lag.max=20, main="ACF of Forest and Paper using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEFP.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEECretINSA$rev.SEECretINSA^2, lag.max=20, main="ACF of Electricity using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEEC.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEFLretINSA$rev.SEFLretINSA^2, lag.max=20, main="ACF of Fixed Line Communication using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEFL.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEUTretINSA$rev.SEUTretINSA^2, lag.max=20, main="ACF of Gas, Water & Multiu. using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEUT.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSETRretINSA$rev.SETRretINSA^2, lag.max=20, main="ACF of Transportation using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SETR.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEMOretINSA$rev.SEMOretINSA^2, lag.max=20, main="ACF of Mobile Telecommunication using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEMO.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEOGretINSA$rev.SEOGretINSA^2, lag.max=20, main="ACF of Oil & Gas Producers using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEOG.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEOEretINSA$rev.SEOEretINSA^2, lag.max=20, main="ACF of Oil, Equip. Services & Distrib. using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEOE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEAIretINSA$rev.SEAIretINSA^2, lag.max=20, main="ACF of Airlines using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEAI.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEISretINSA$rev.SEISretINSA^2, lag.max=20, main="ACF of RE Invest. & Services using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEIS.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEREretINSA$rev.SEREretINSA^2, lag.max=20, main="ACF of REITS using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SERE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEAEretINSA$rev.SEAEretINSA^2, lag.max=20, main="ACF of Alternative Energy using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEAE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSESOretINSA$rev.SESOretINSA^2, lag.max=20, main="ACF of Softw. & Comp. Services using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SESO.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSETEretINSA$rev.SETEretINSA^2, lag.max=20, main="ACF of Techn. Equip. & Hardware using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SETE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEBEretINSA$rev.SEBEretINSA^2, lag.max=20, main="ACF of Beverages using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEBE.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEETretINSA$rev.SEETretINSA^2, lag.max=20, main="ACF of Europe Total Market using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEET.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSECHretINSA$rev.SECHretINSA^2,lag.max=20, main="ACF of Chemicals using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SECH.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datSEAPretINSA$rev.SEAPretINSA^2, lag.max=20, main="ACF of Auto and parts using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/SEAP.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datBITCretINSA$rev.BITCretINSA^2, lag.max=20, main="ACF of Bitcoin using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/BITC.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datLITCretINSA$rev.LITCretINSA^2, lag.max=20, main="ACF of Litecoin using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/LITC.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datGREXretINSA$rev.GREXretINSA^2, lag.max=20, main="ACF of REX using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/GREX.jpeg", type="jpeg")
par(mfrow=c(1,1))
Acf(datDAXPretINSA$rev.DAXPretINSA^2, lag.max=20, main="ACF of DAXsubsector All PE & VC using Approx. Squared In-Sample Data")
savePlot(filename="D:/01_Mareike/Promotion/Data/R Graphics/05a_ACF of Squared Returns/DAXP.jpeg", type="jpeg")
```

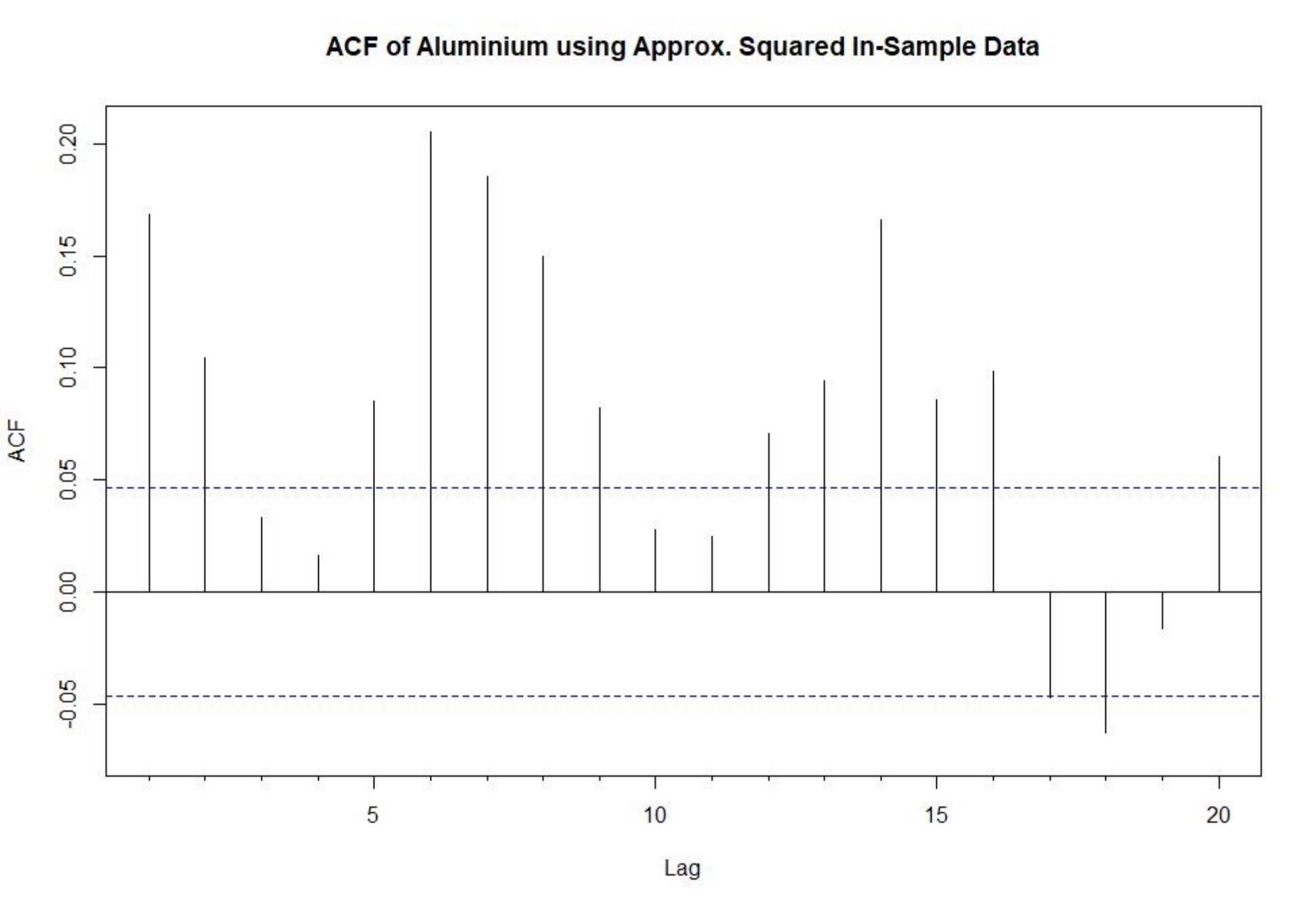
DIGITAL APPENDIX K

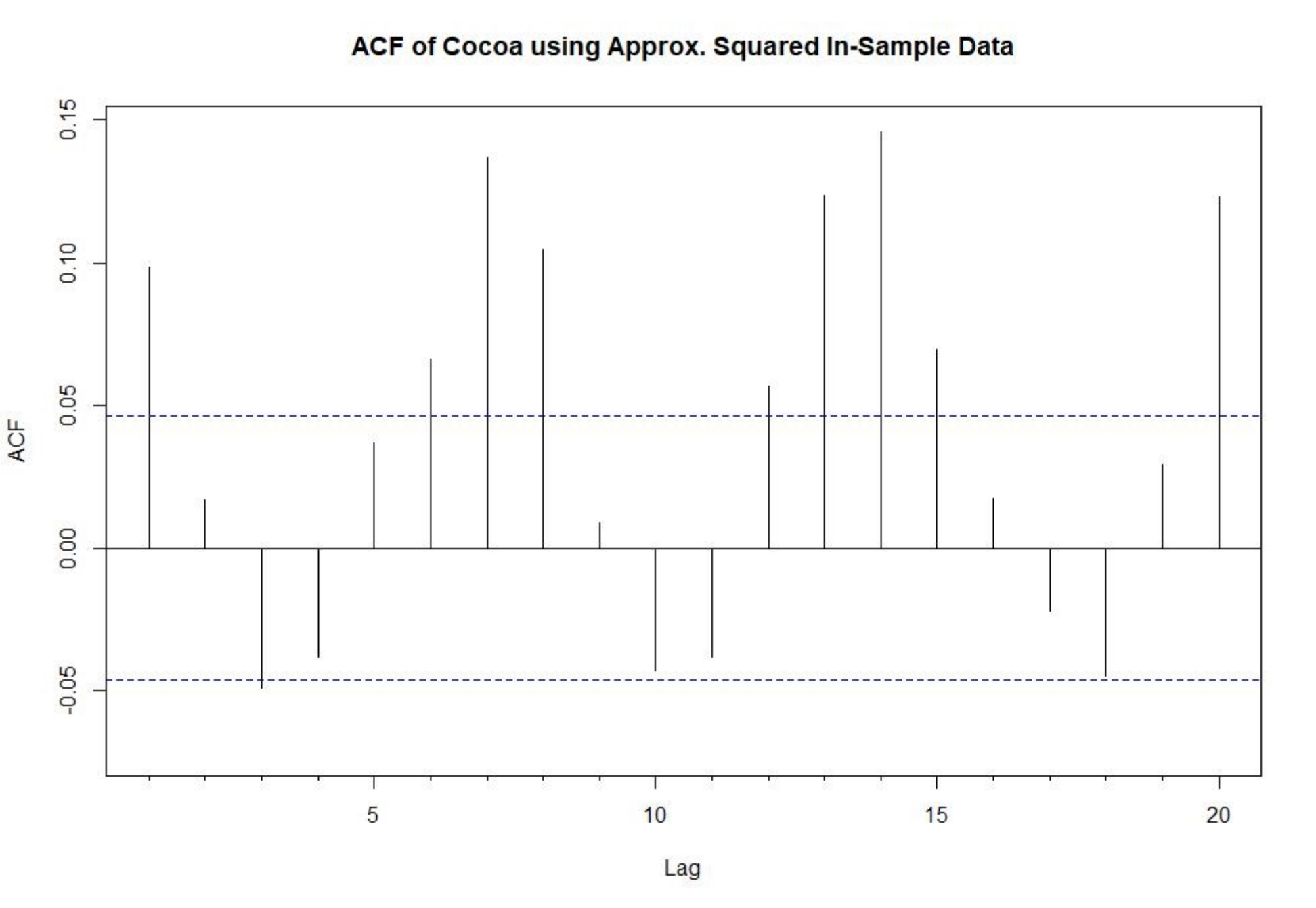
K_[RESULTS]_Chapter 4.7._ACF of Squared Returns

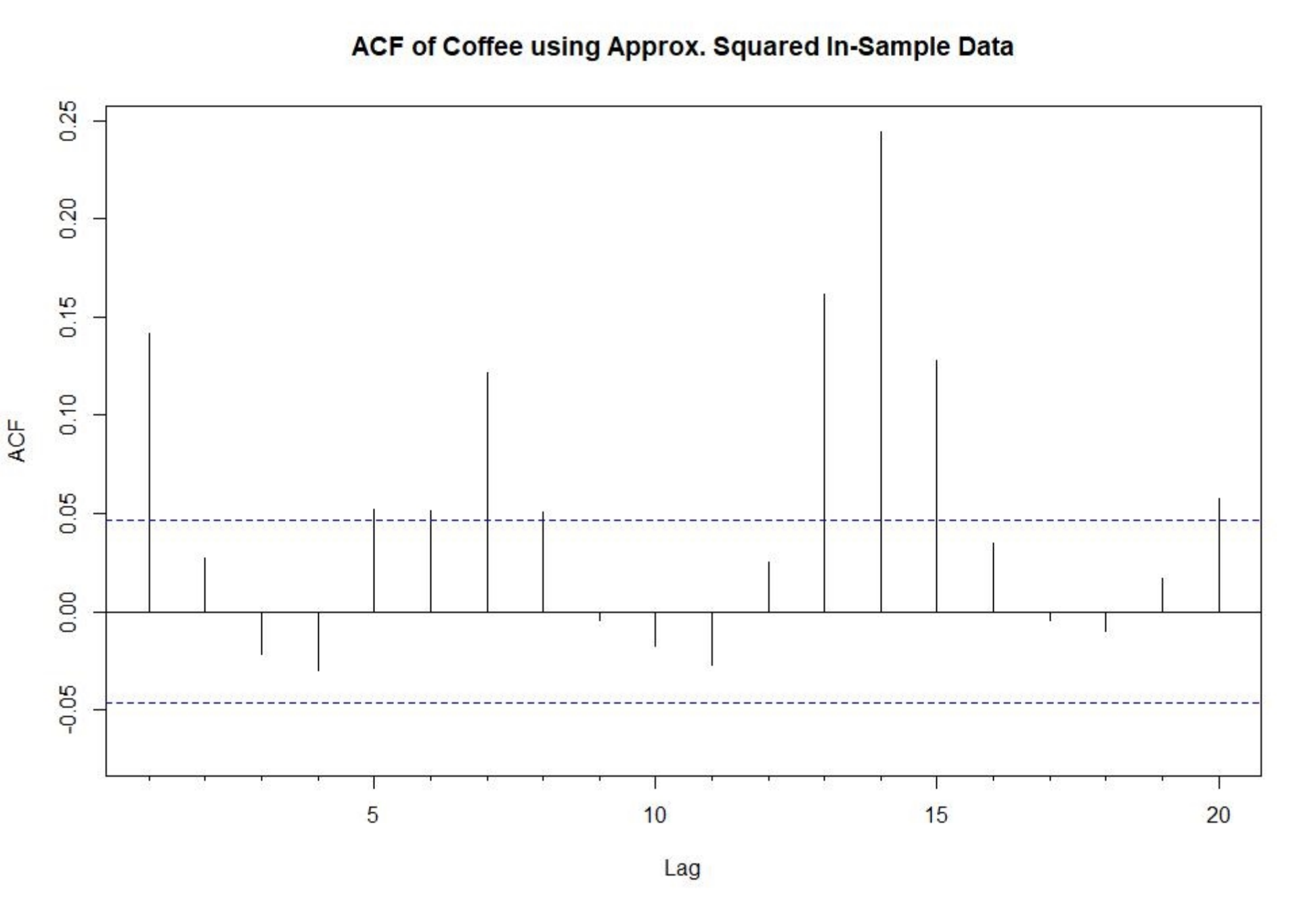

ACF of Bitcoin using Approx. Squared In-Sample Data
ACF
0.0
0.1
0.2
0.3
0.4
0.5
5
10
15
20
Lag

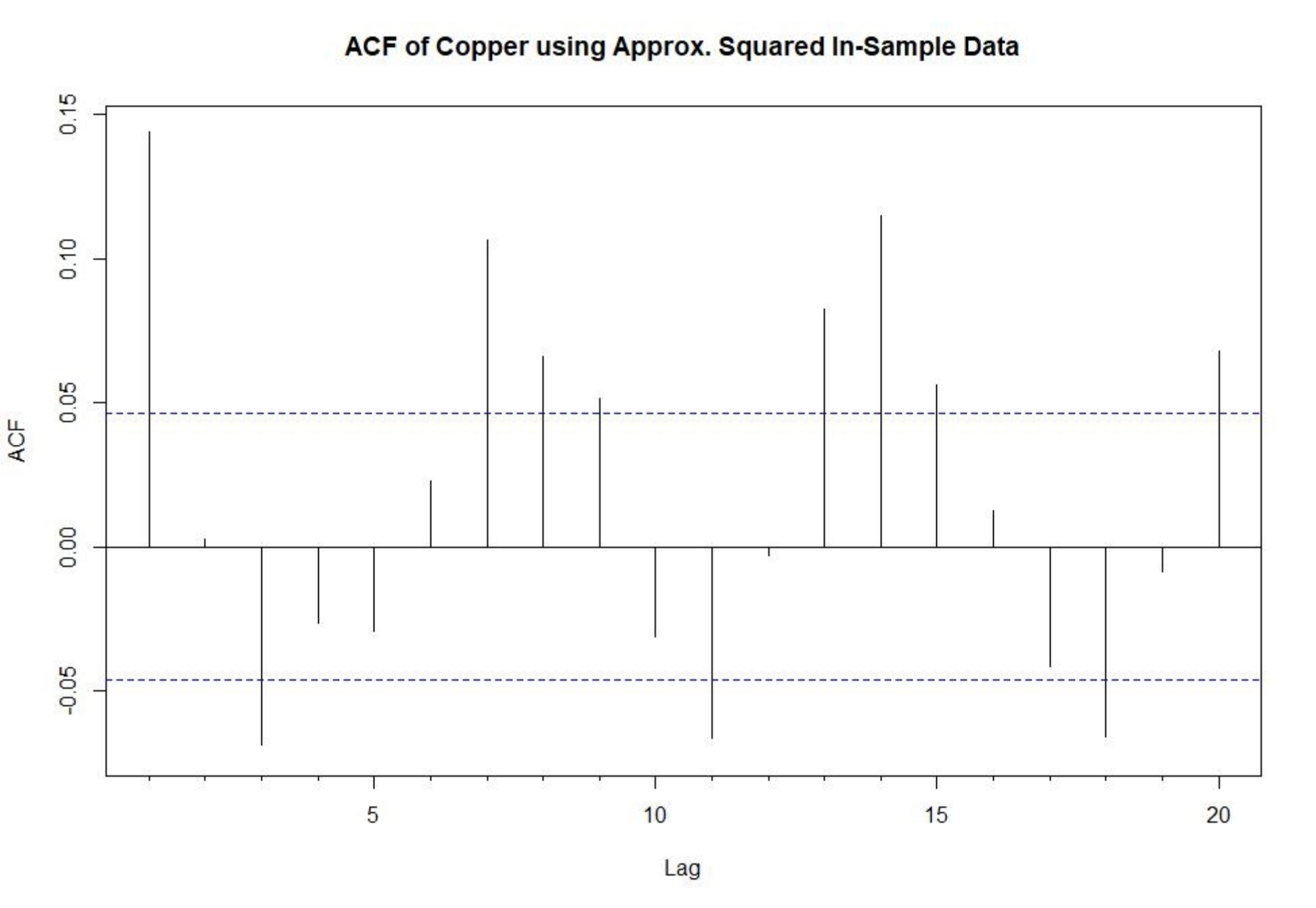

ACF of DAXsubsector All PE & VC using Approx. Squared In-Sample Data
ACF
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

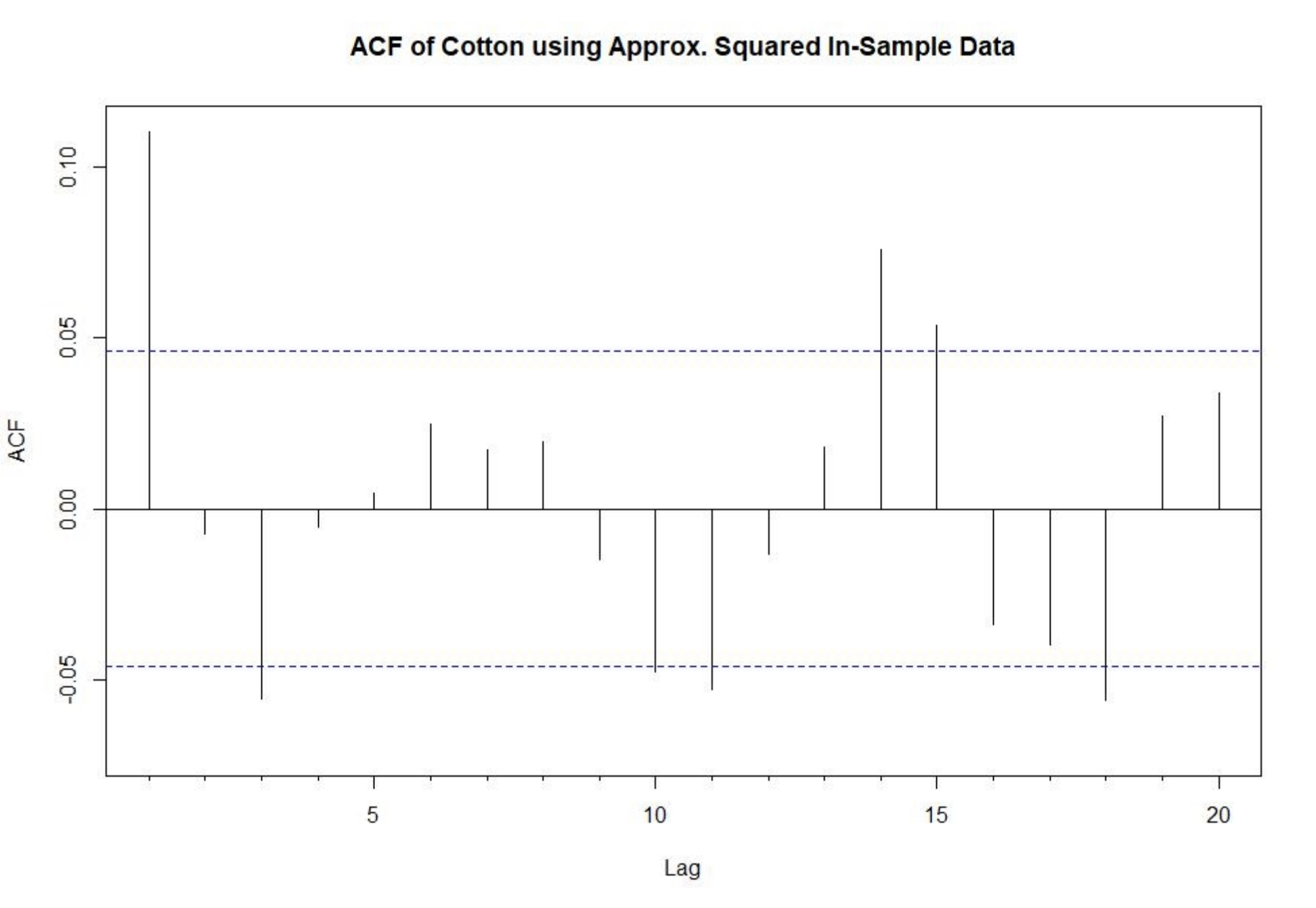

ACF of All Cattle using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
-0.10
5
10
15
20
Lag

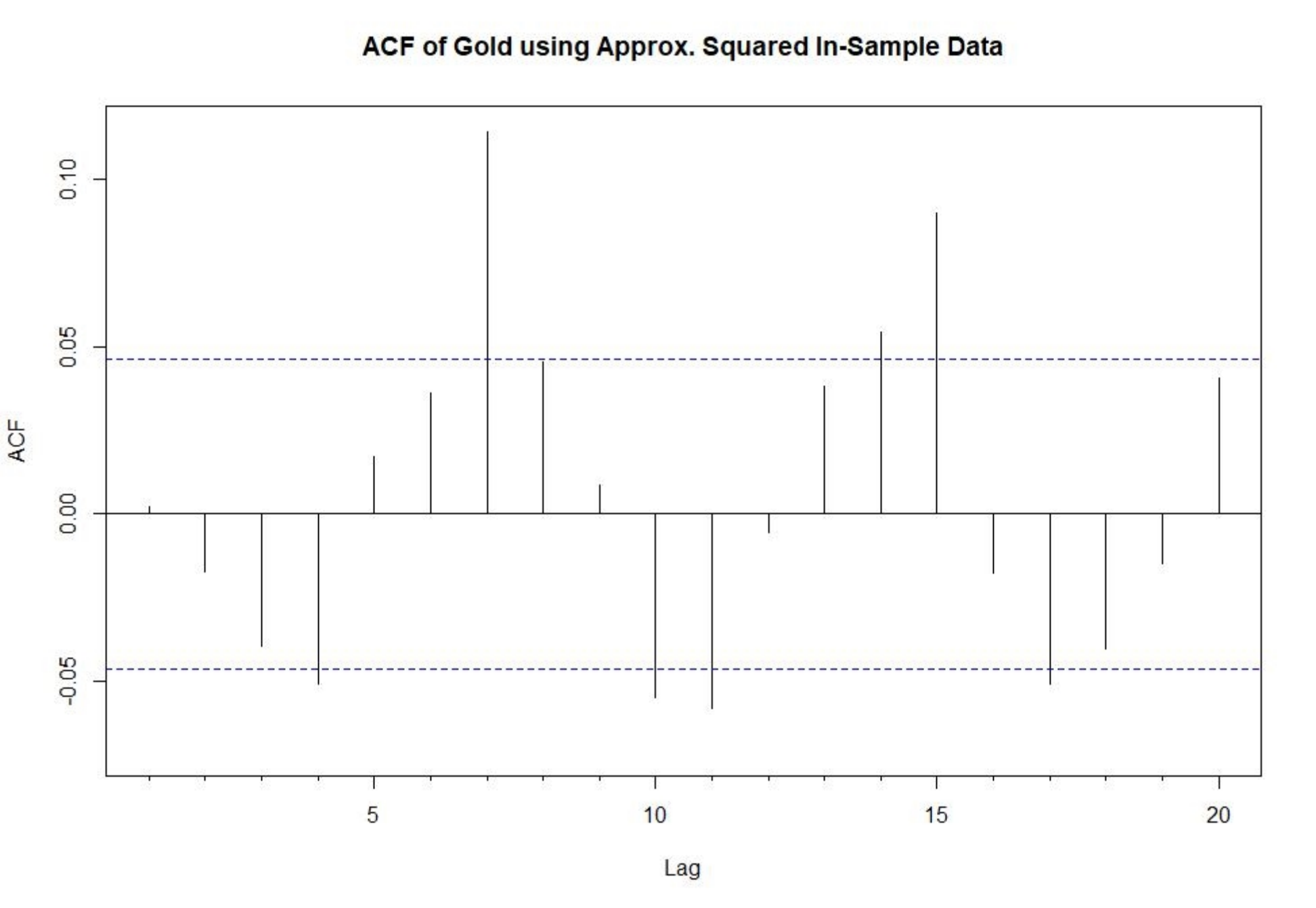

ACF of Aluminium using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

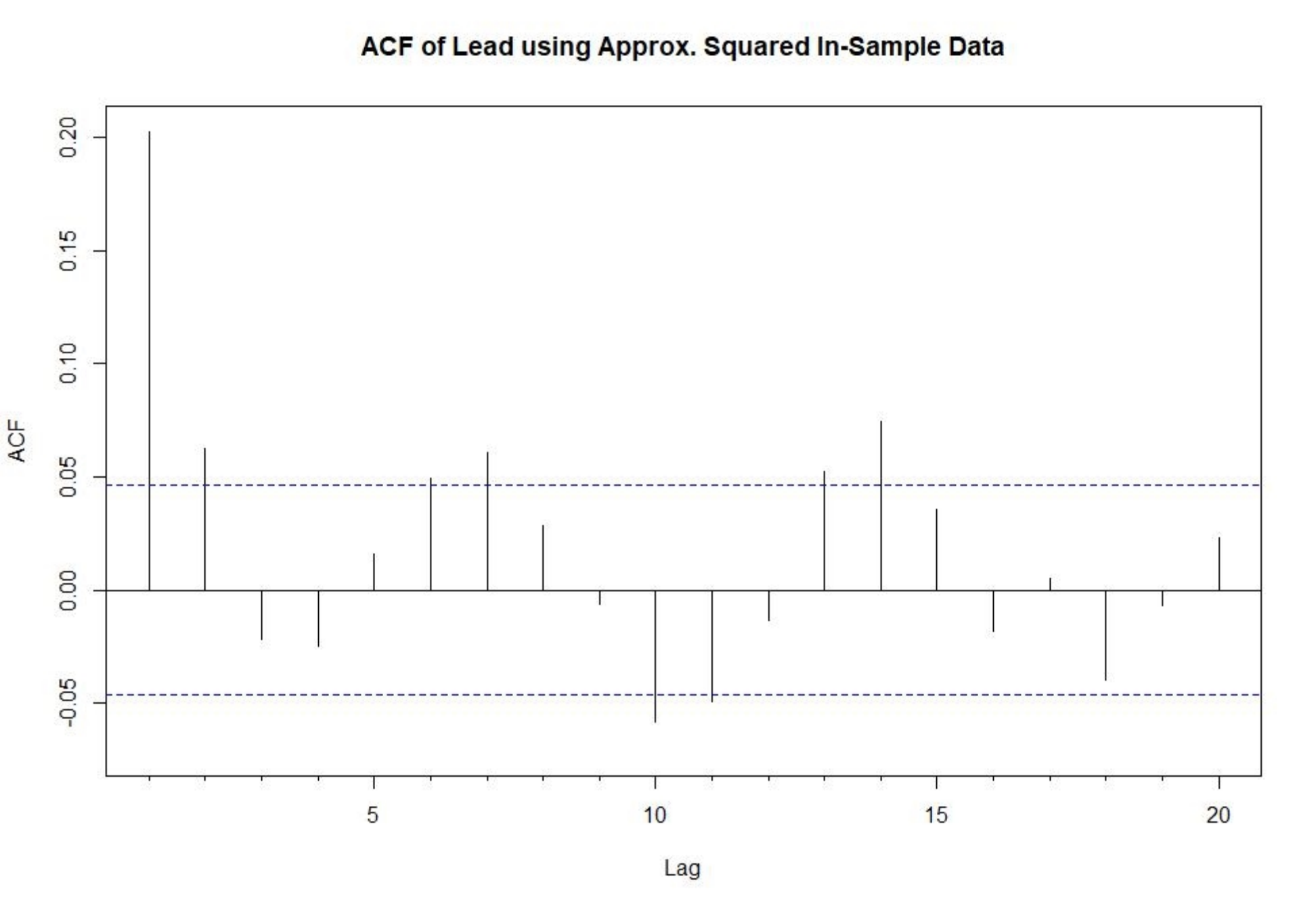

ACF of Cocoa using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

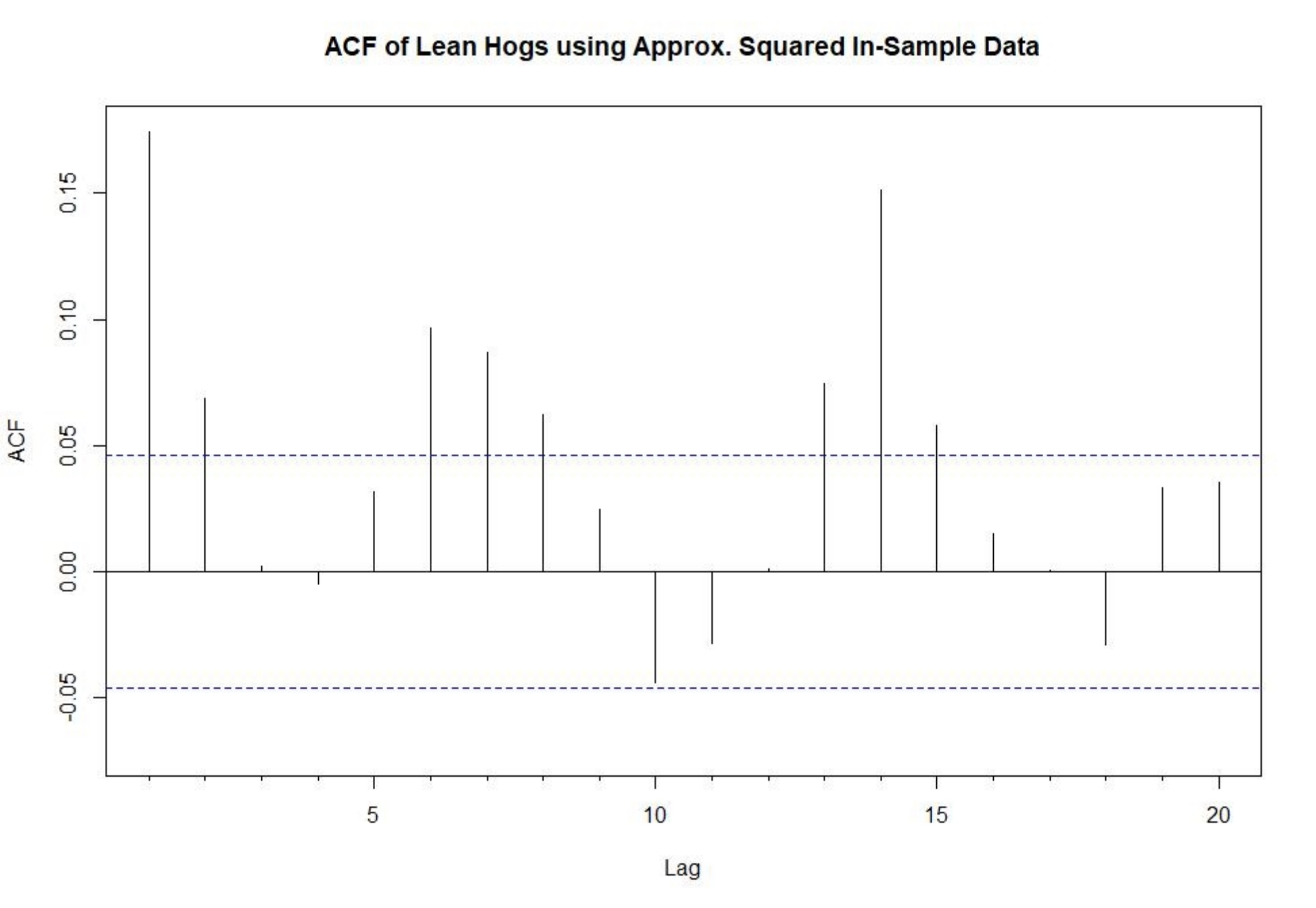

ACF of Coffee using Approx. Squared In-Sample Data
ACF
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

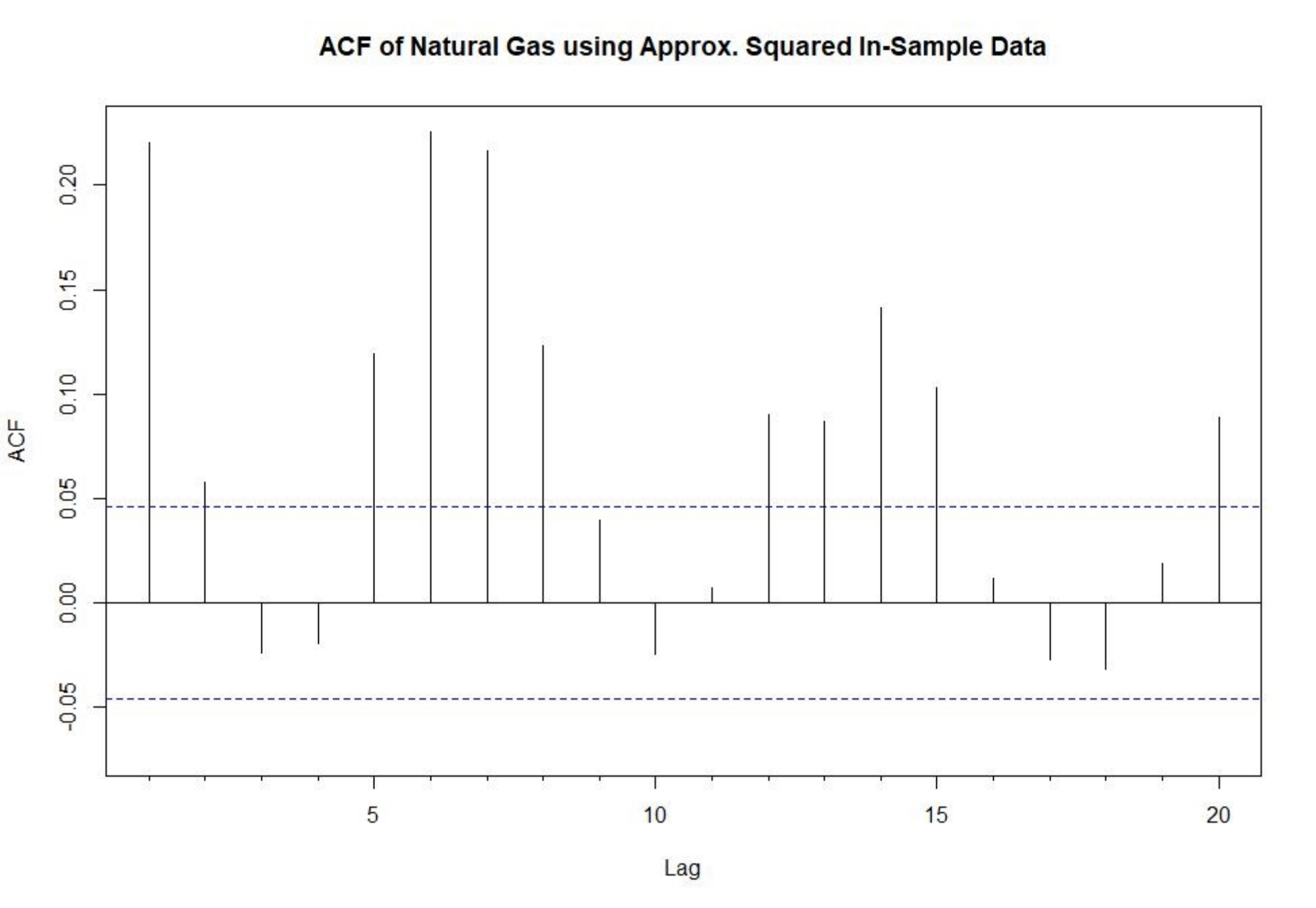

ACF of Copper using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

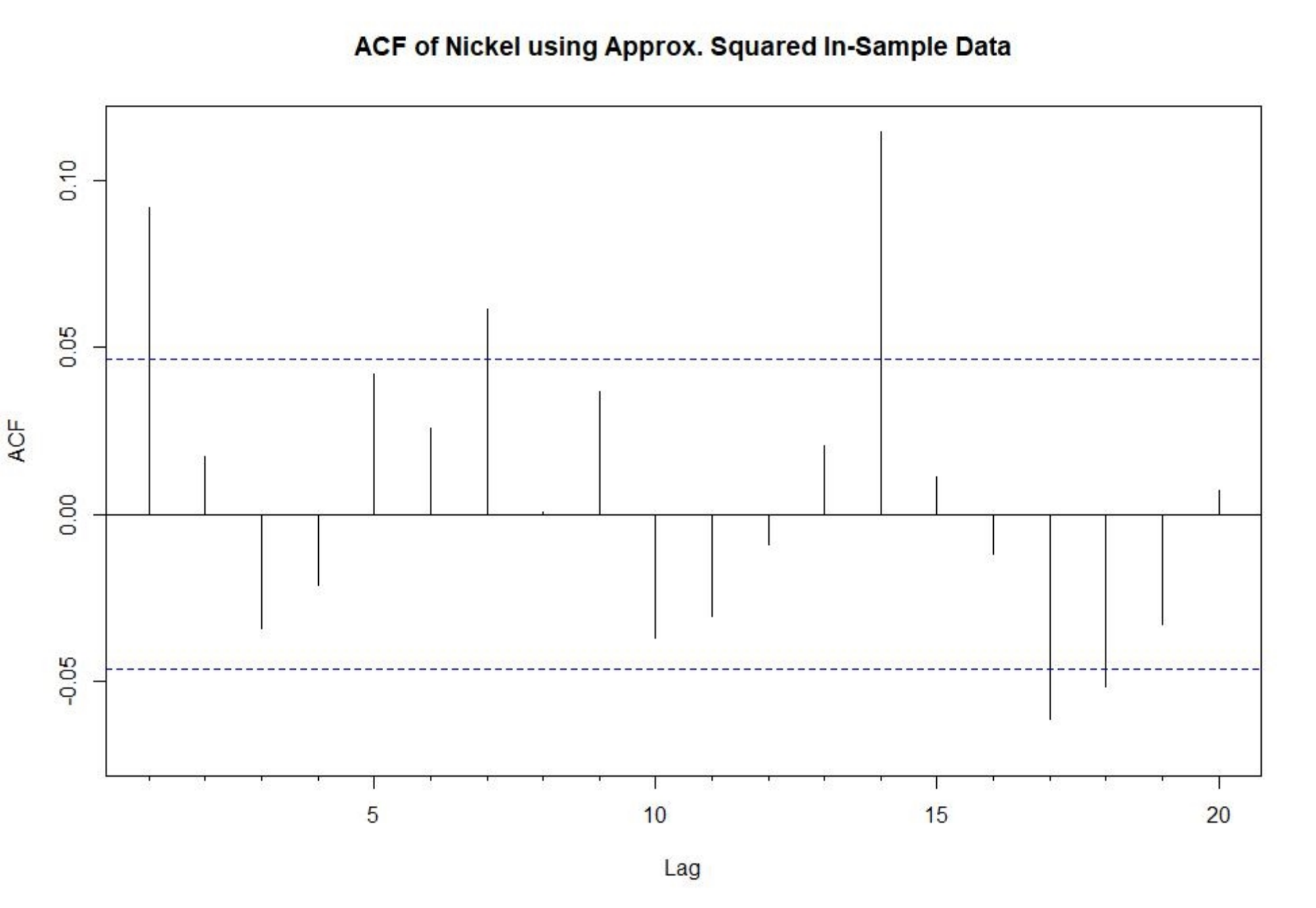

ACF of Cotton using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

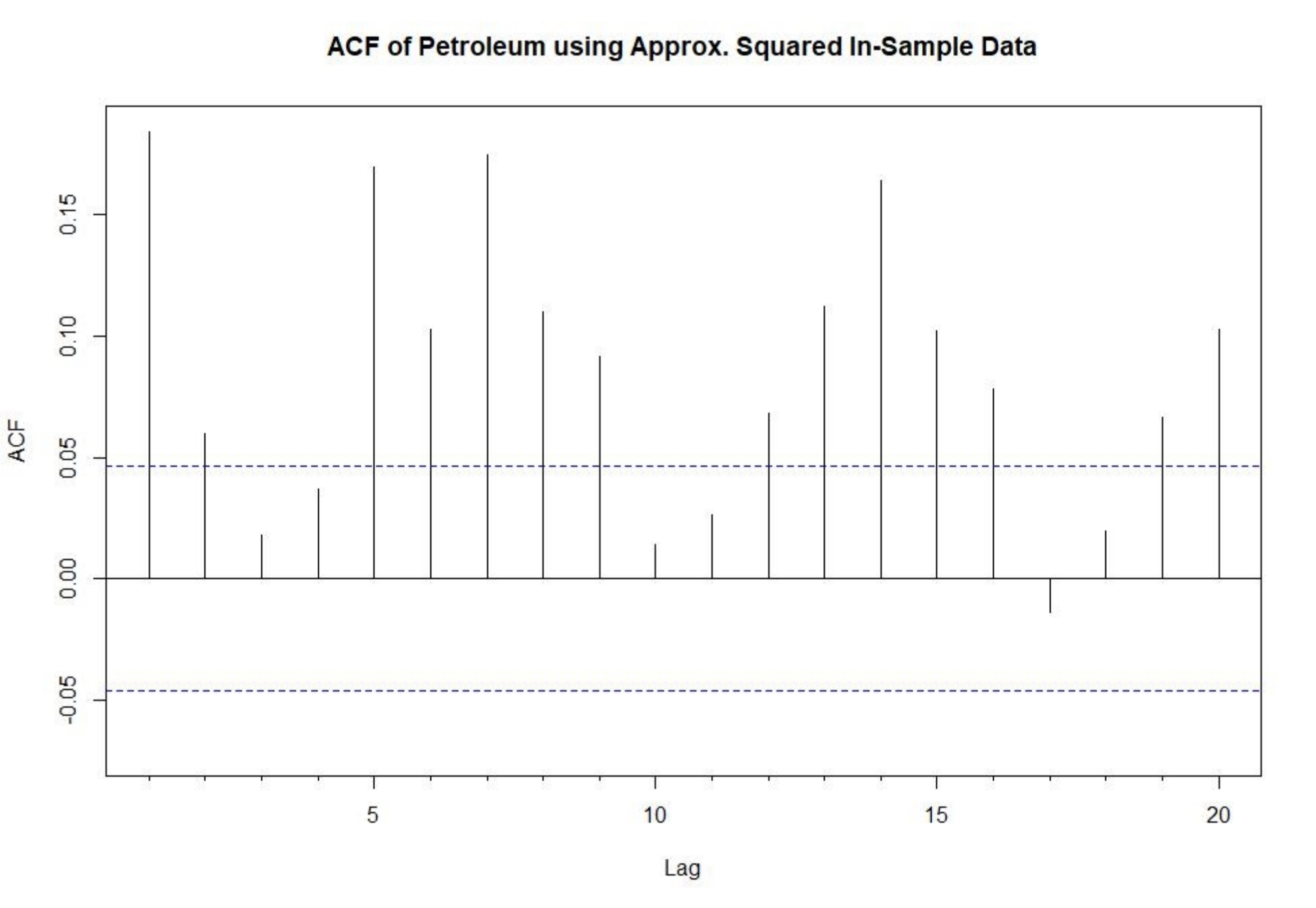

ACF of Gold using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

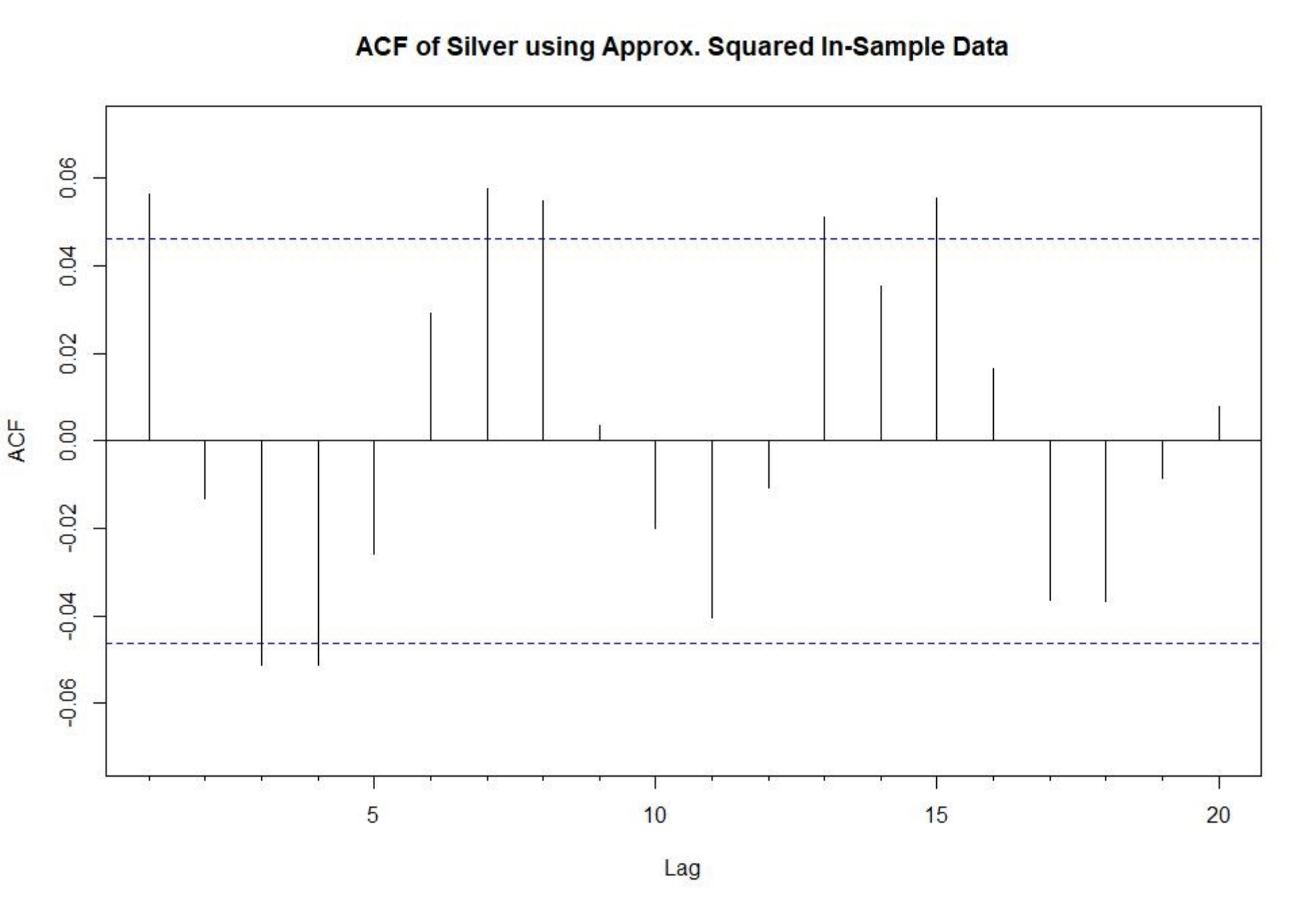

ACF of Lead using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

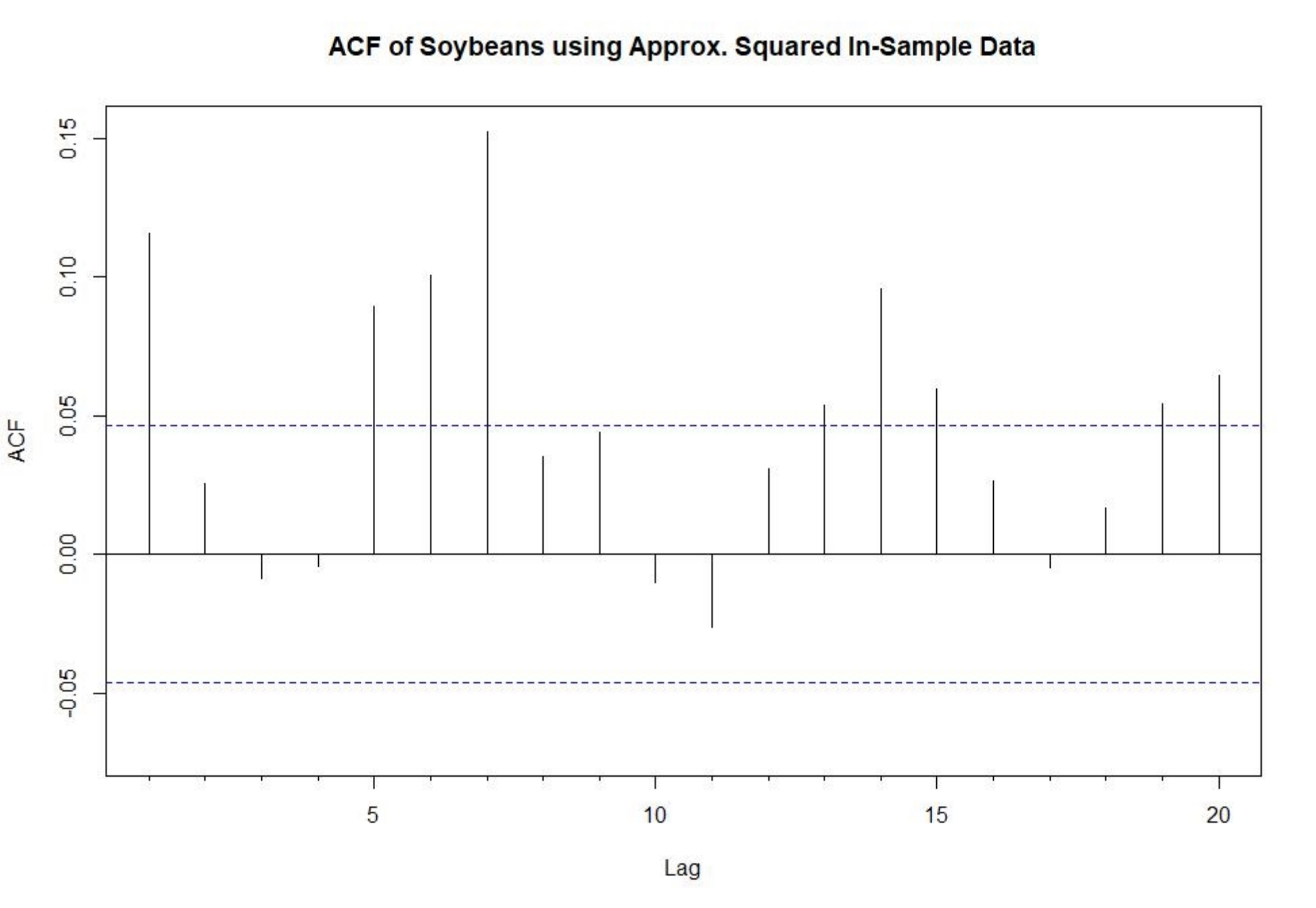

ACF of Lean Hogs using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

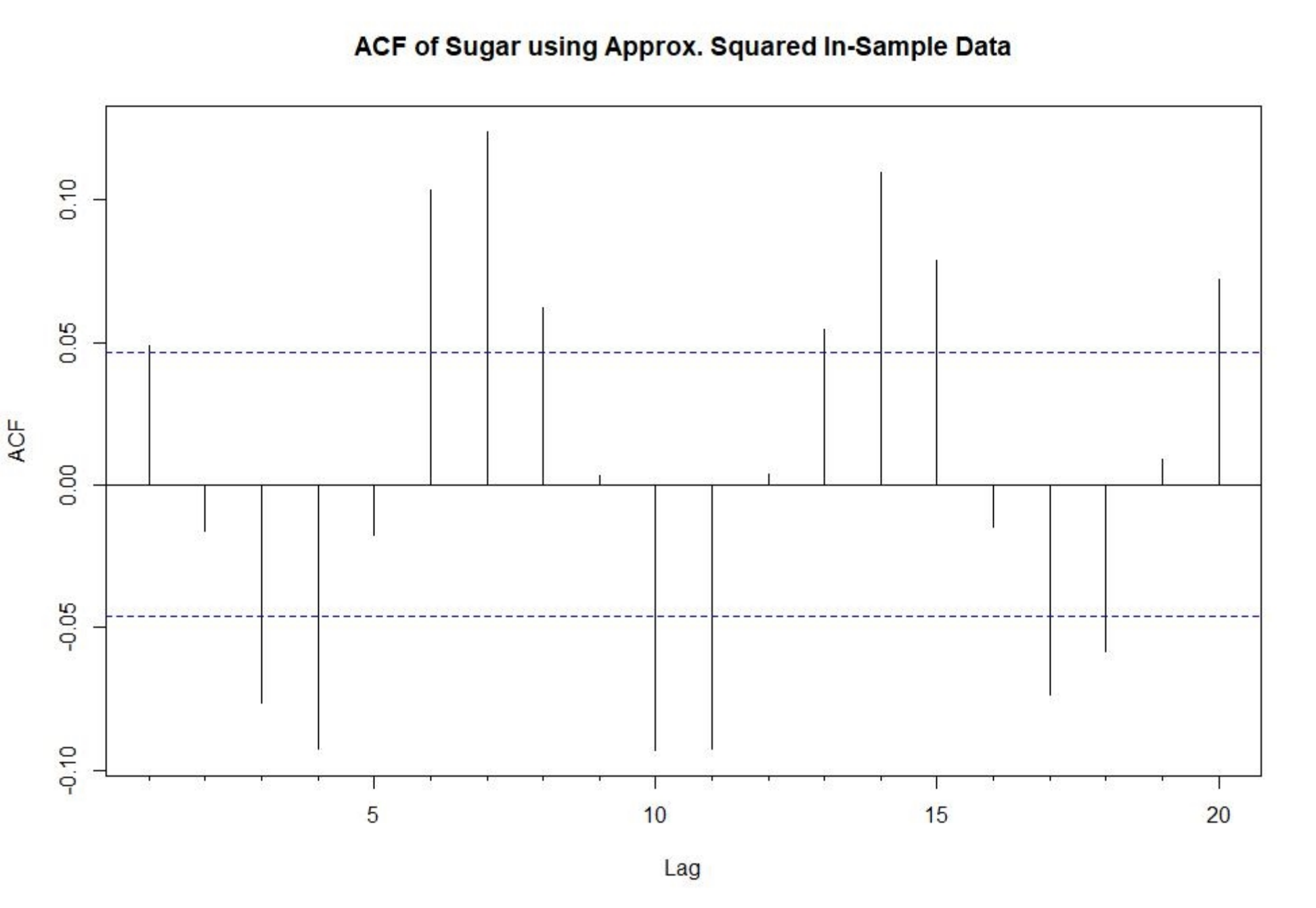

ACF of Natural Gas using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

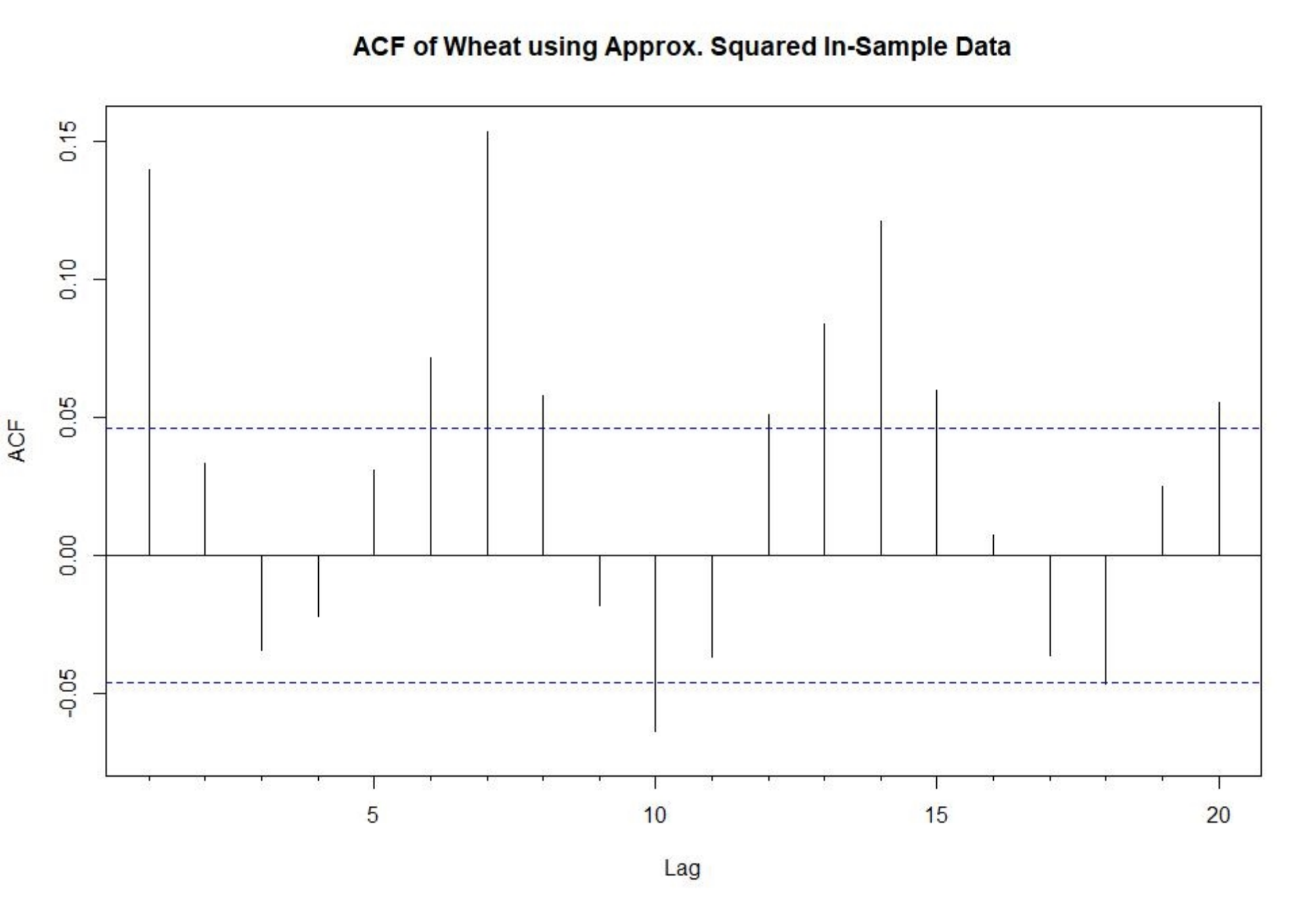

ACF of Nickel using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

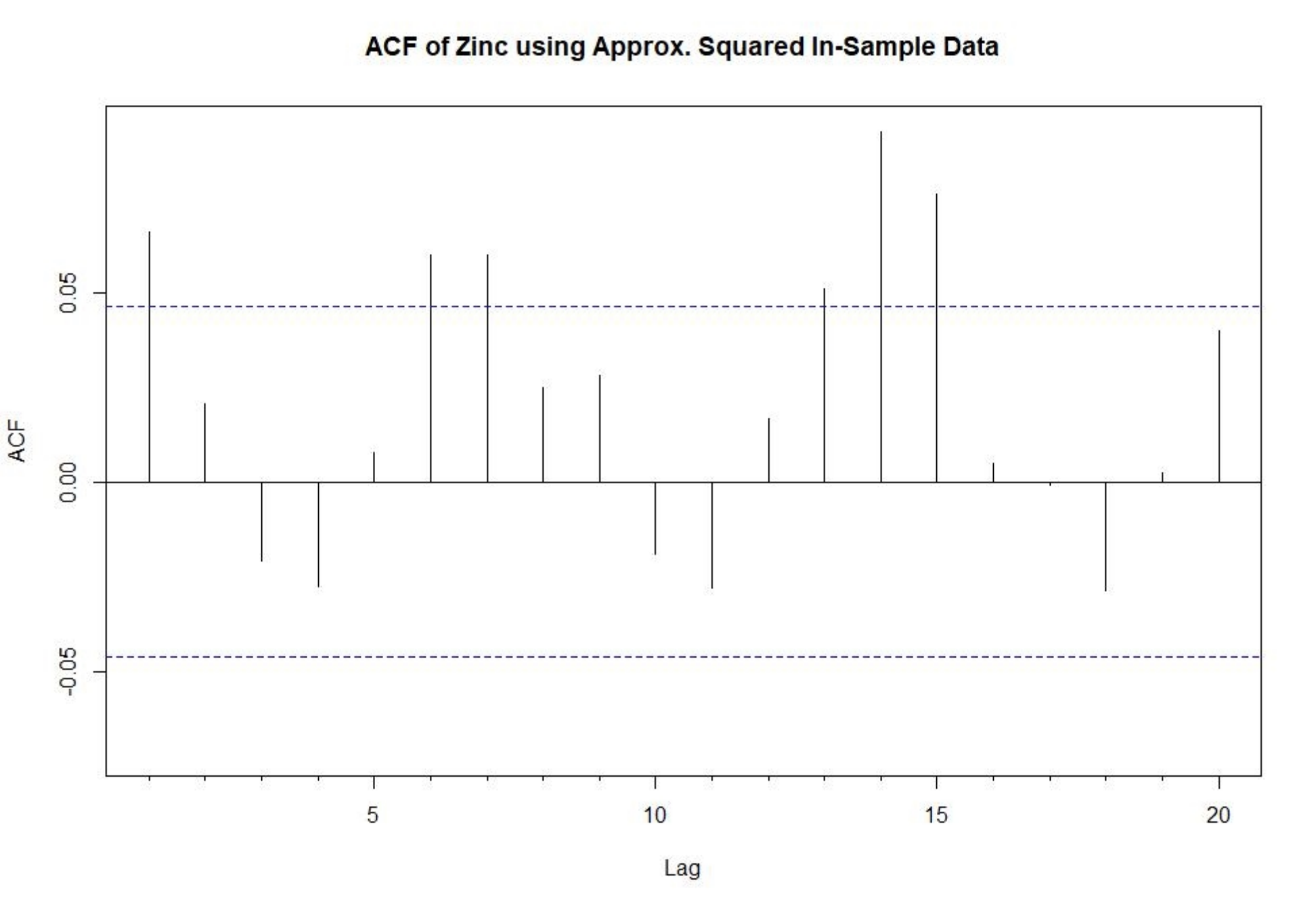

ACF of Petroleum using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

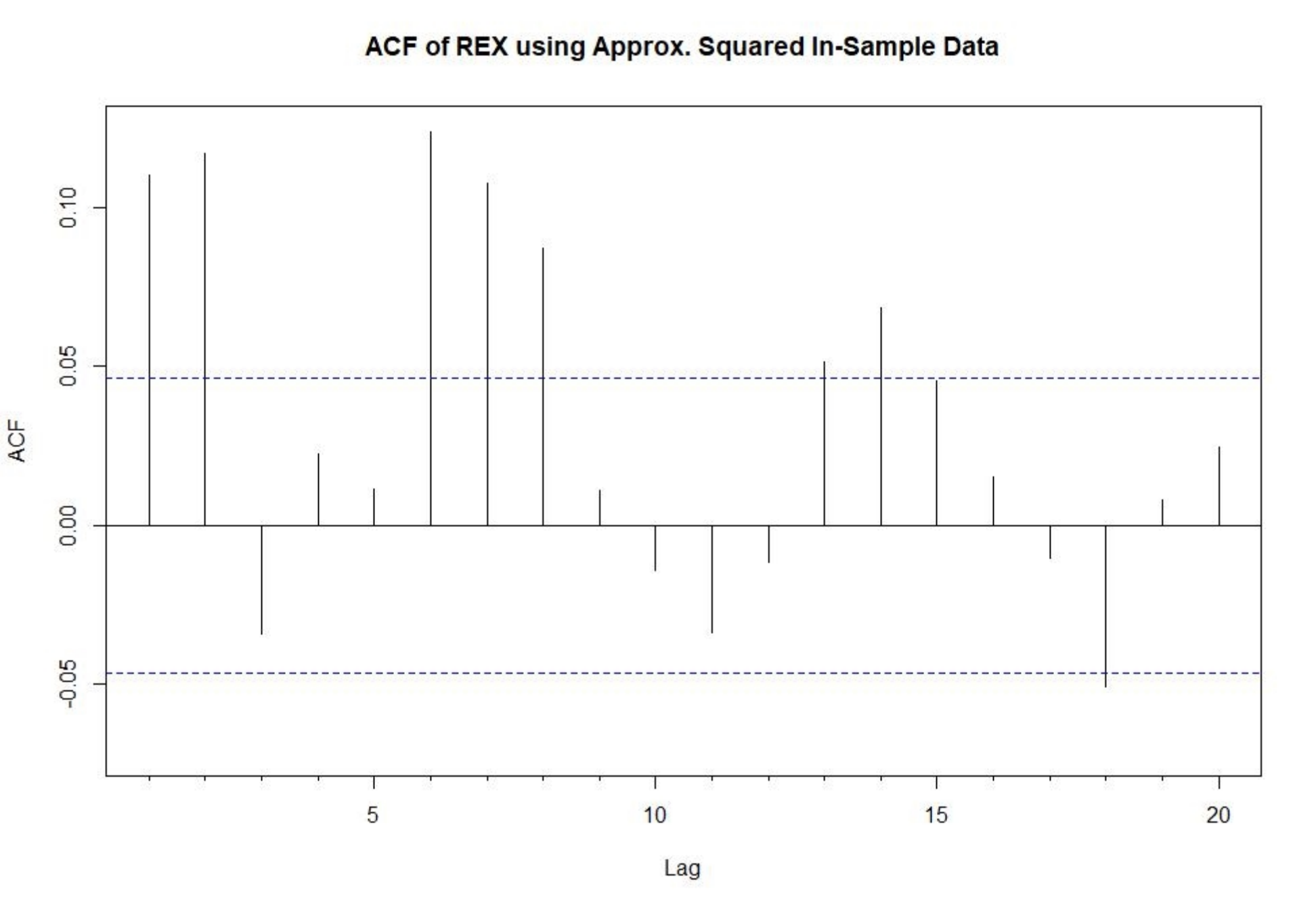

ACF of Silver using Approx. Squared In-Sample Data
ACF
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
5
10
15
20
Lag

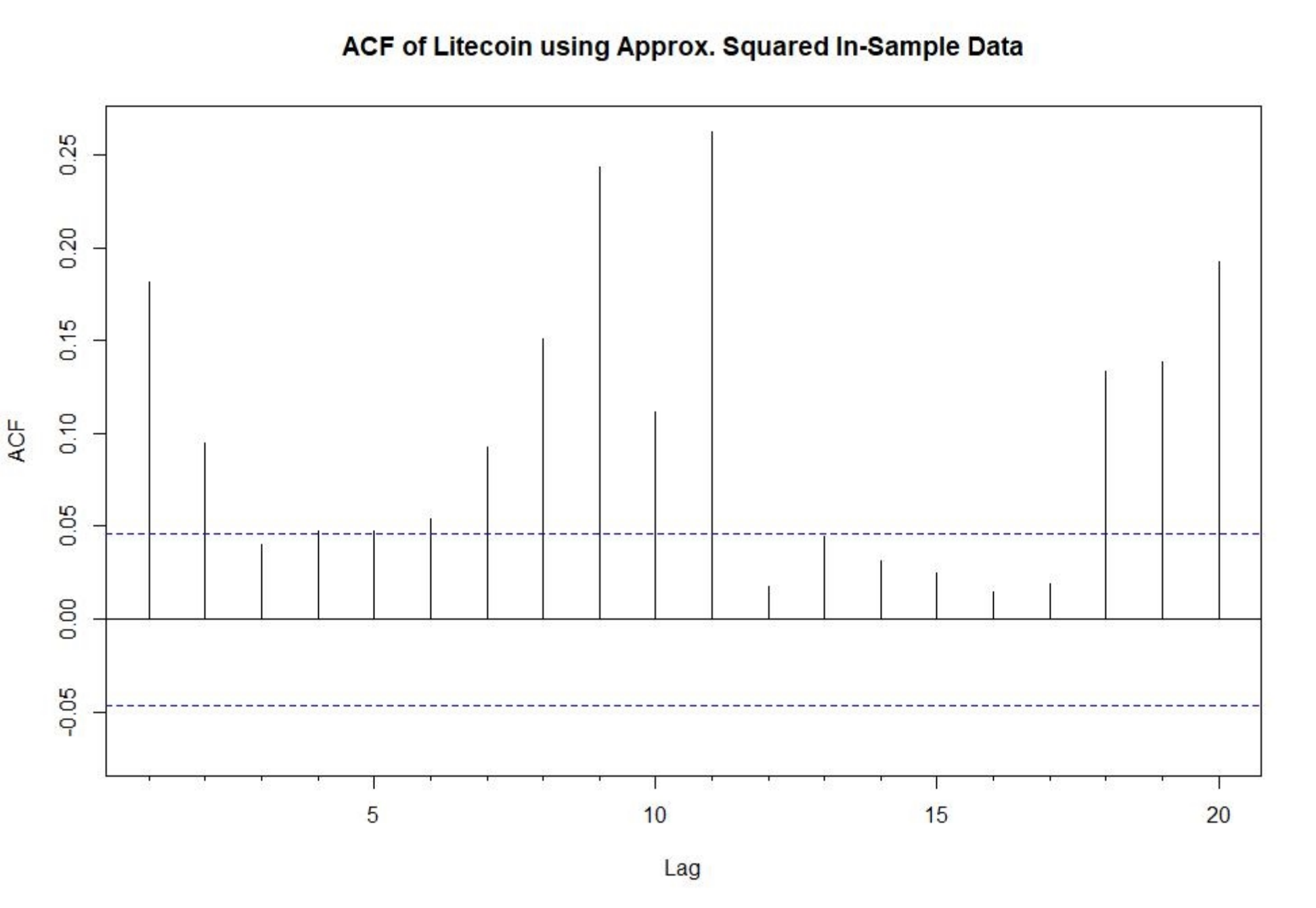

ACF of Soybeans using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

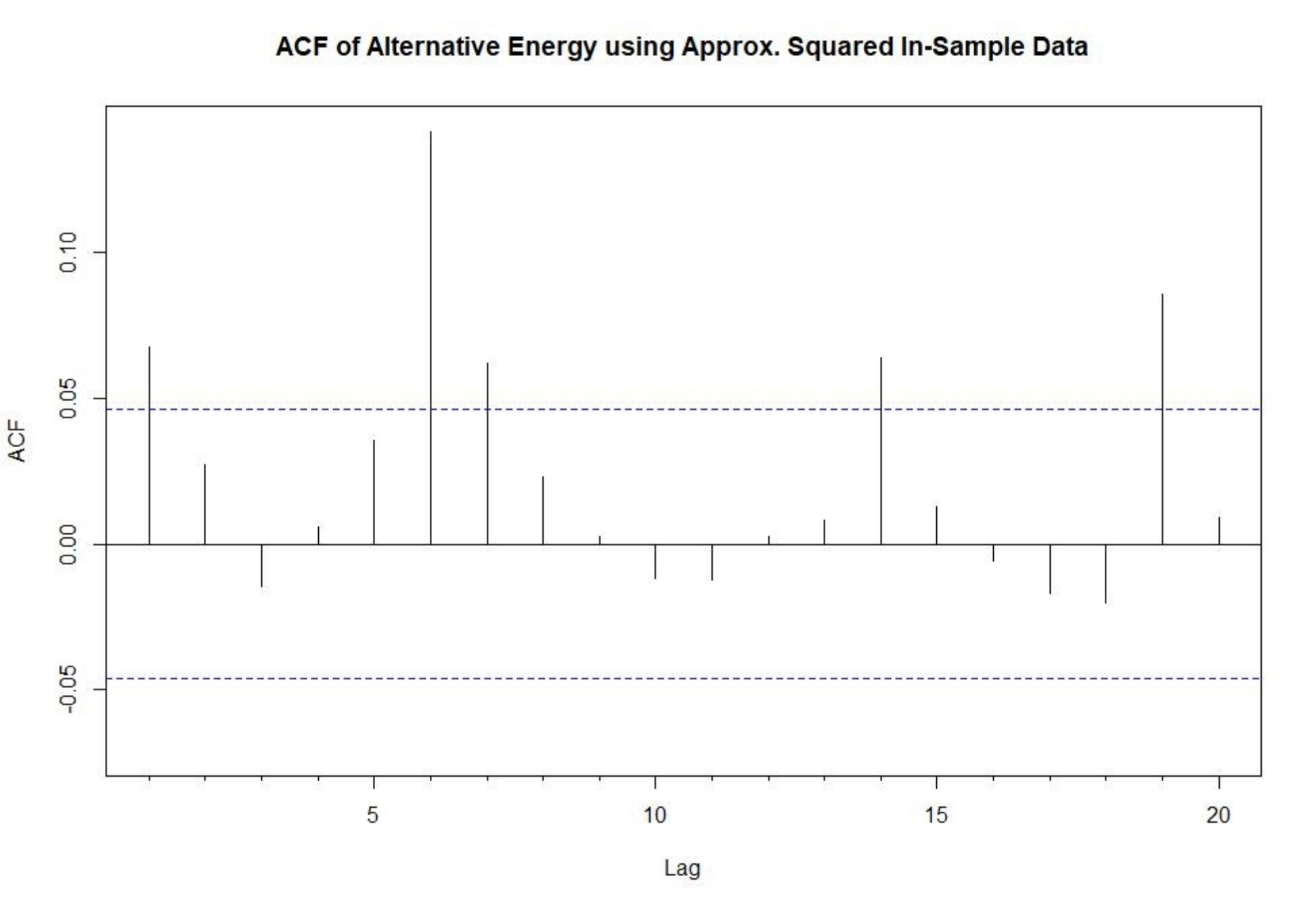

ACF of Sugar using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
-0.10
5
10
15
20
Lag

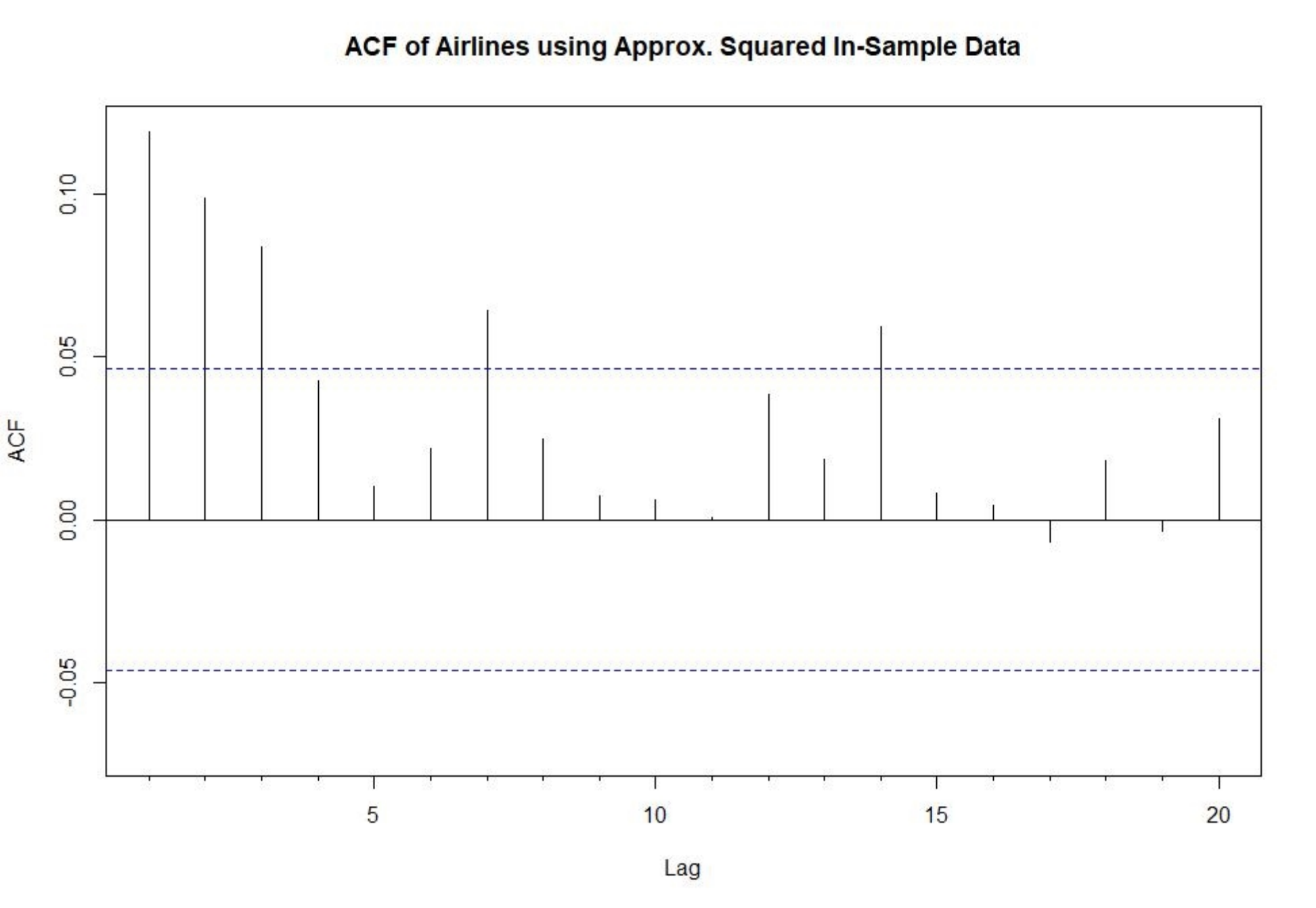

ACF of Wheat using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

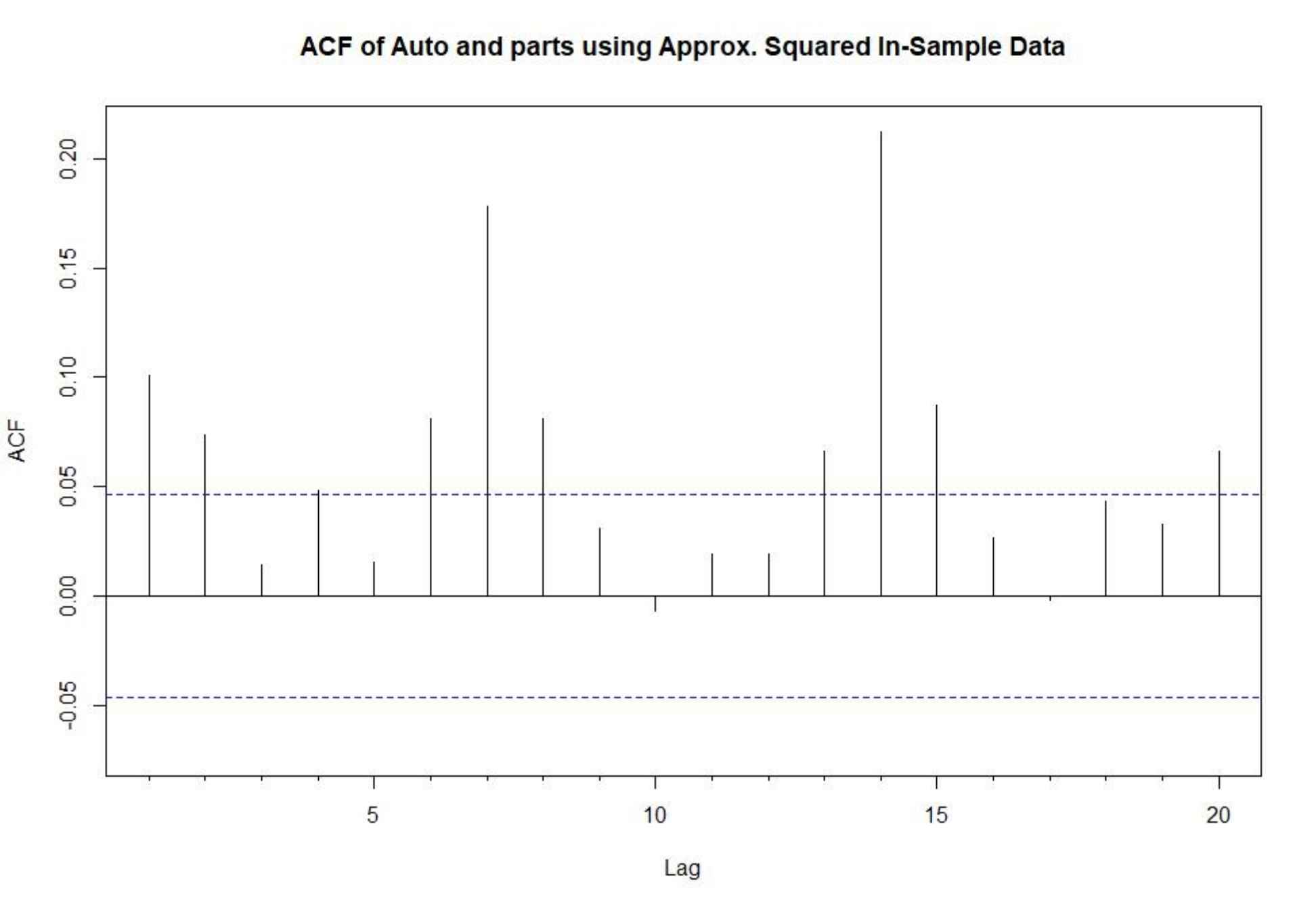

ACF of Zinc using Approx. Squared In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag

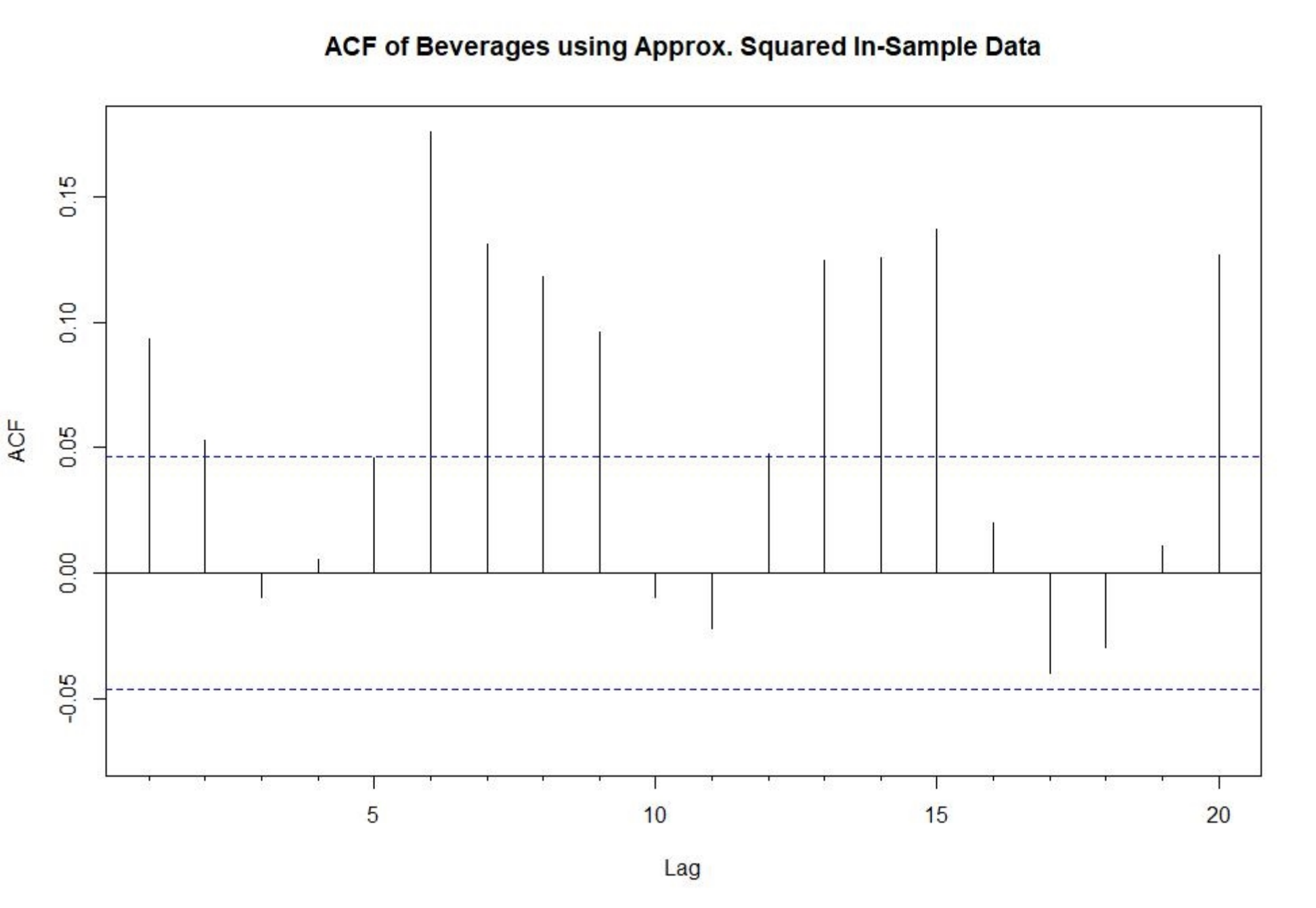

ACF of REX using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

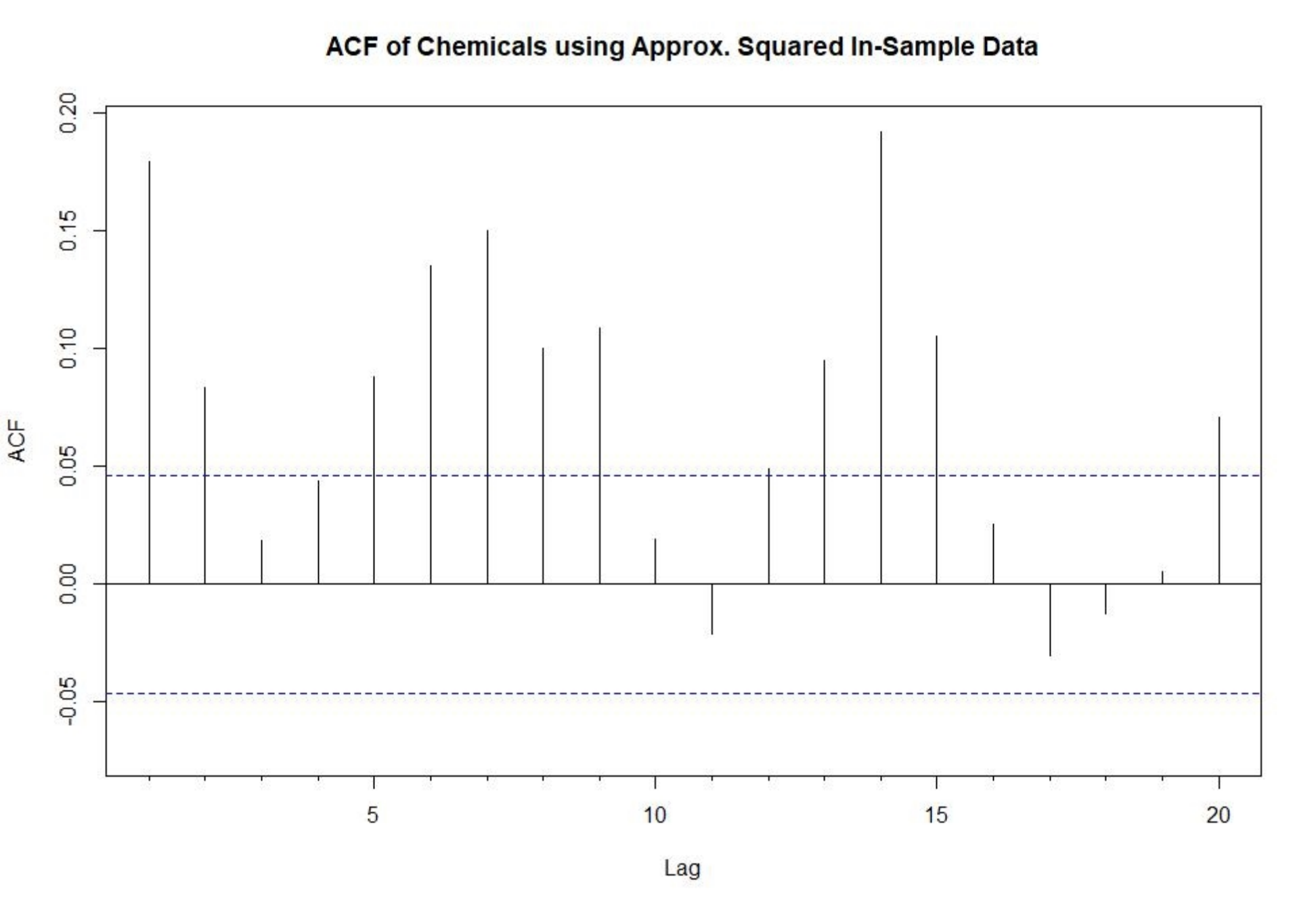

ACF of Litecoin using Approx. Squared In-Sample Data
ACF
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

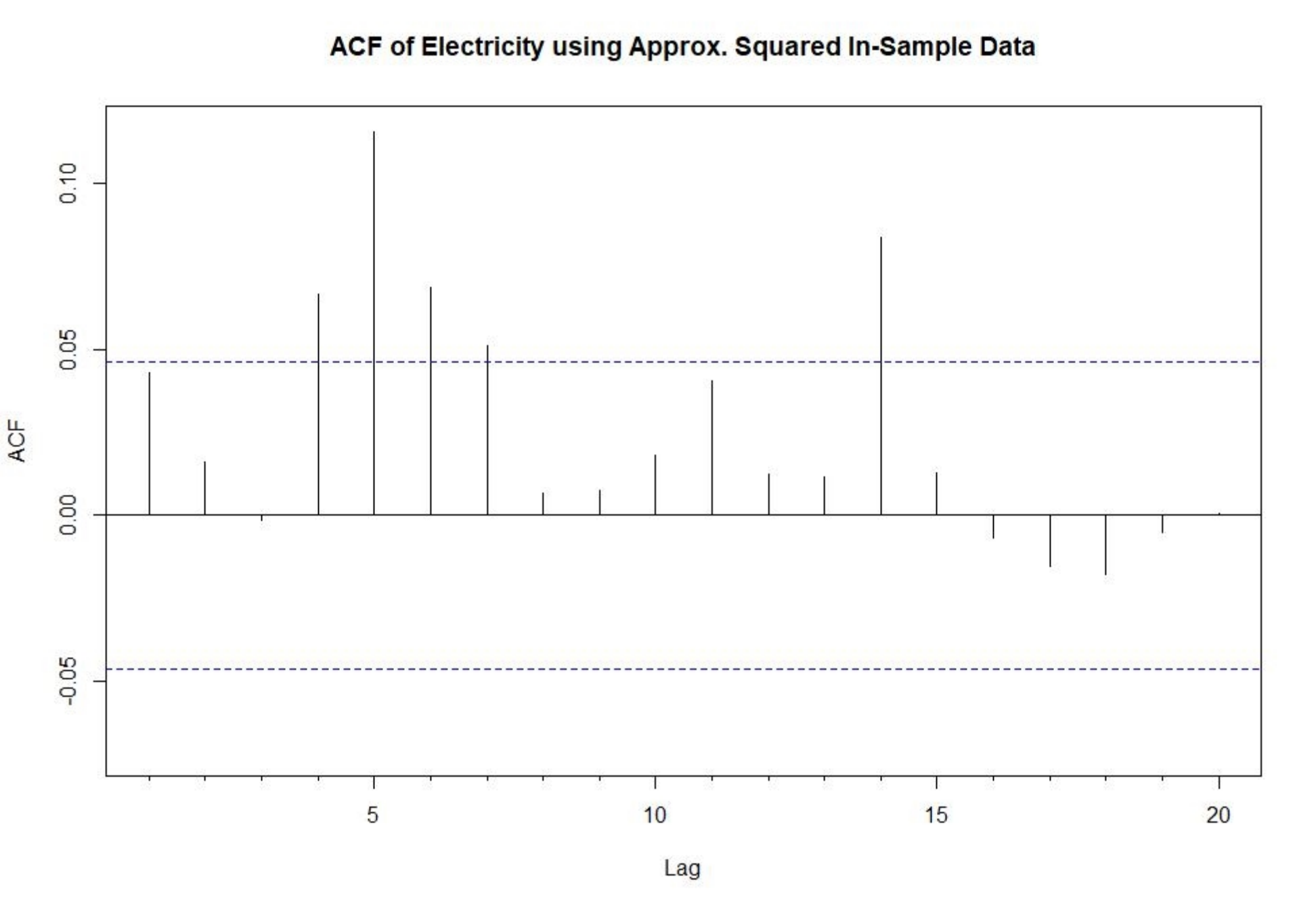

ACF of Alternative Energy using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

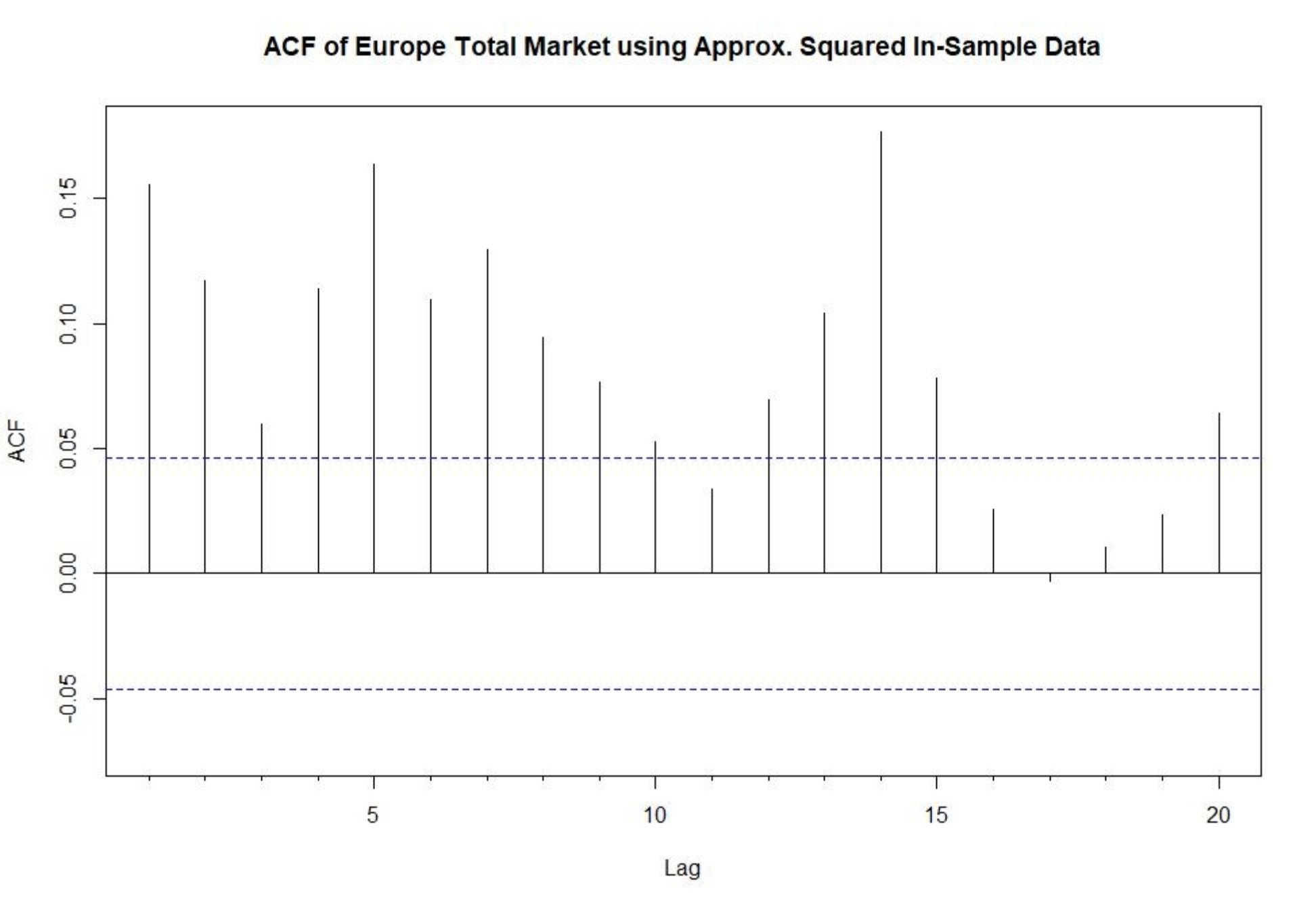

ACF of Airlines using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

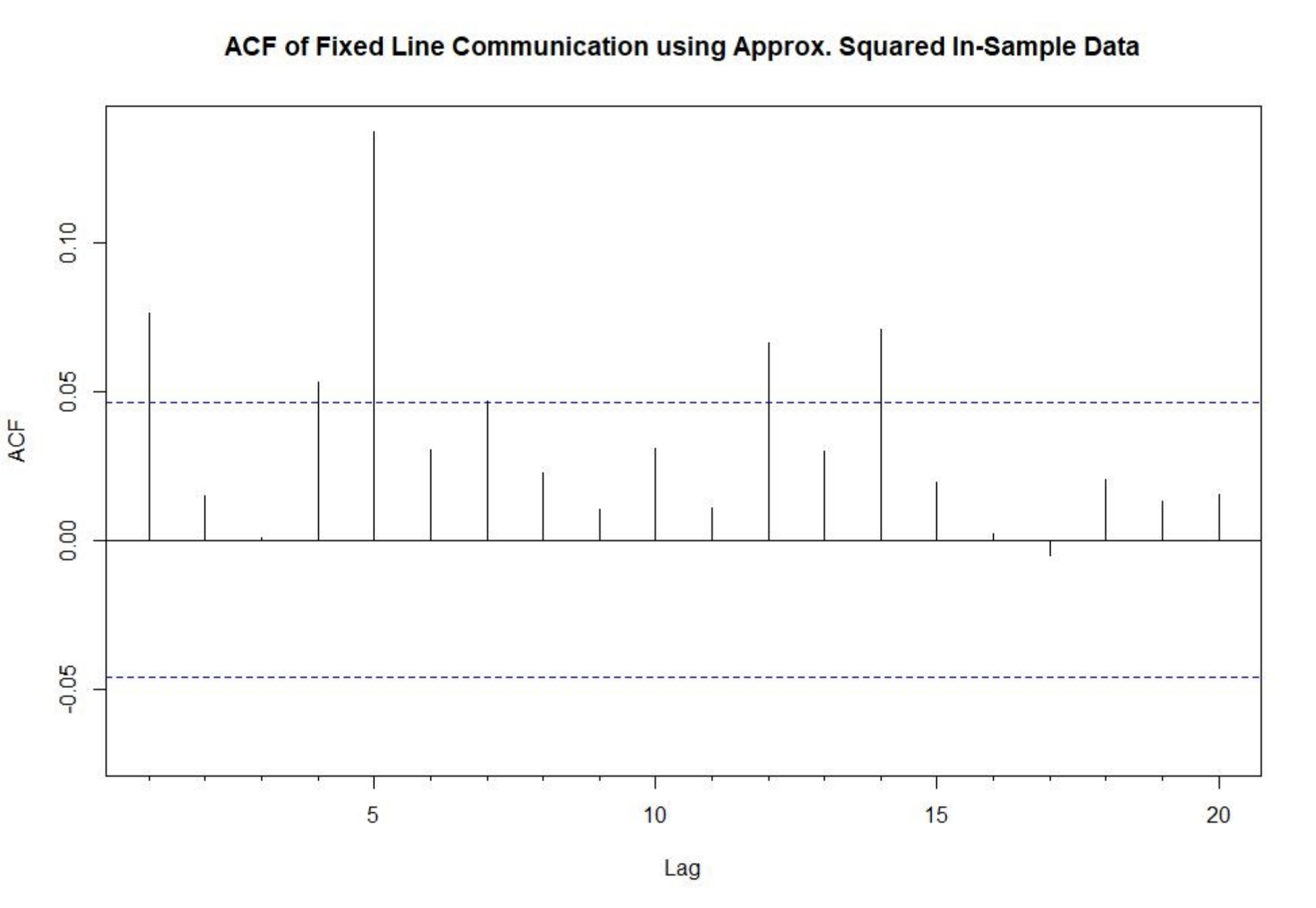

ACF of Auto and parts using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

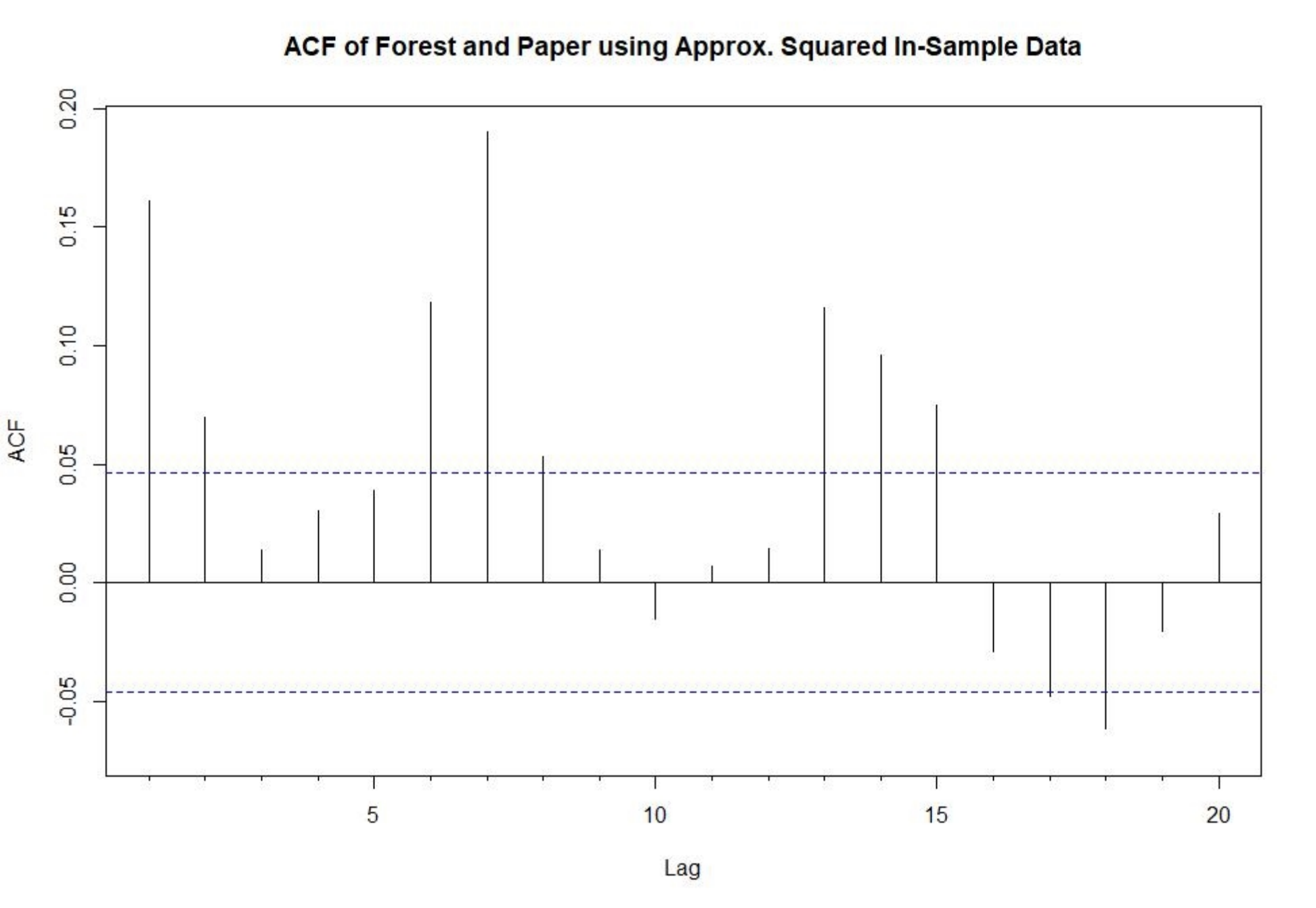

ACF of Beverages using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

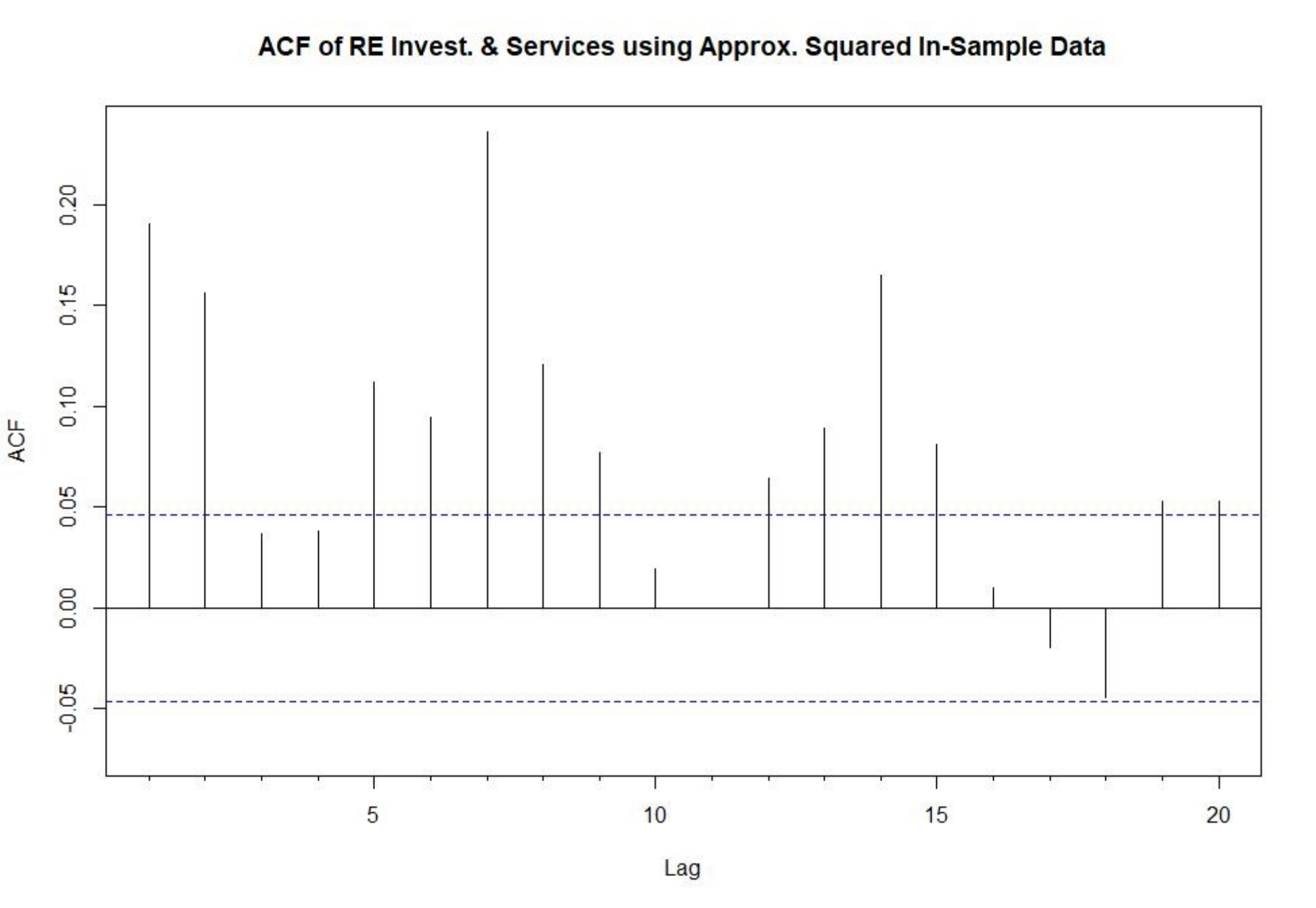

ACF of Chemicals using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

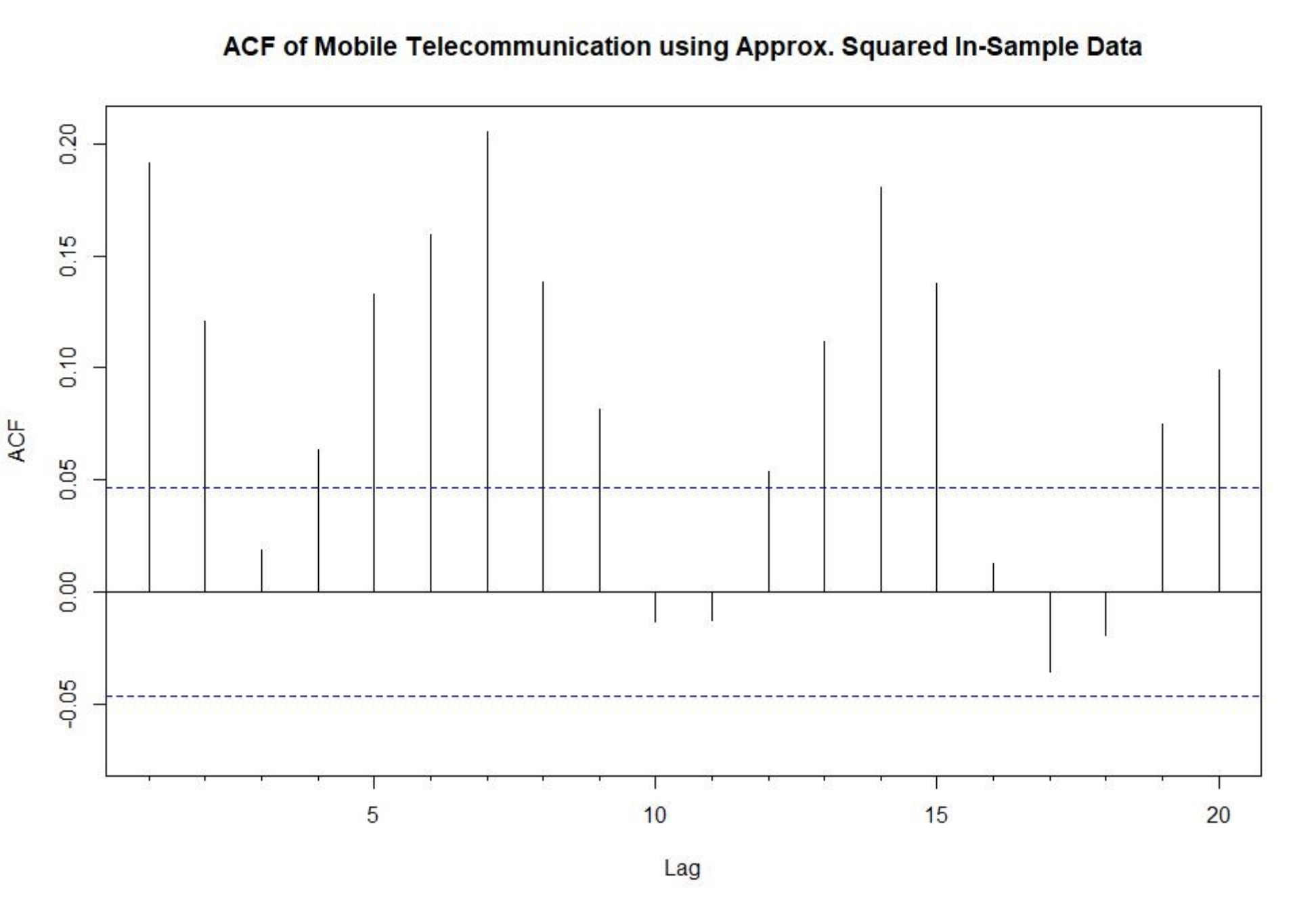

ACF of Electricity using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

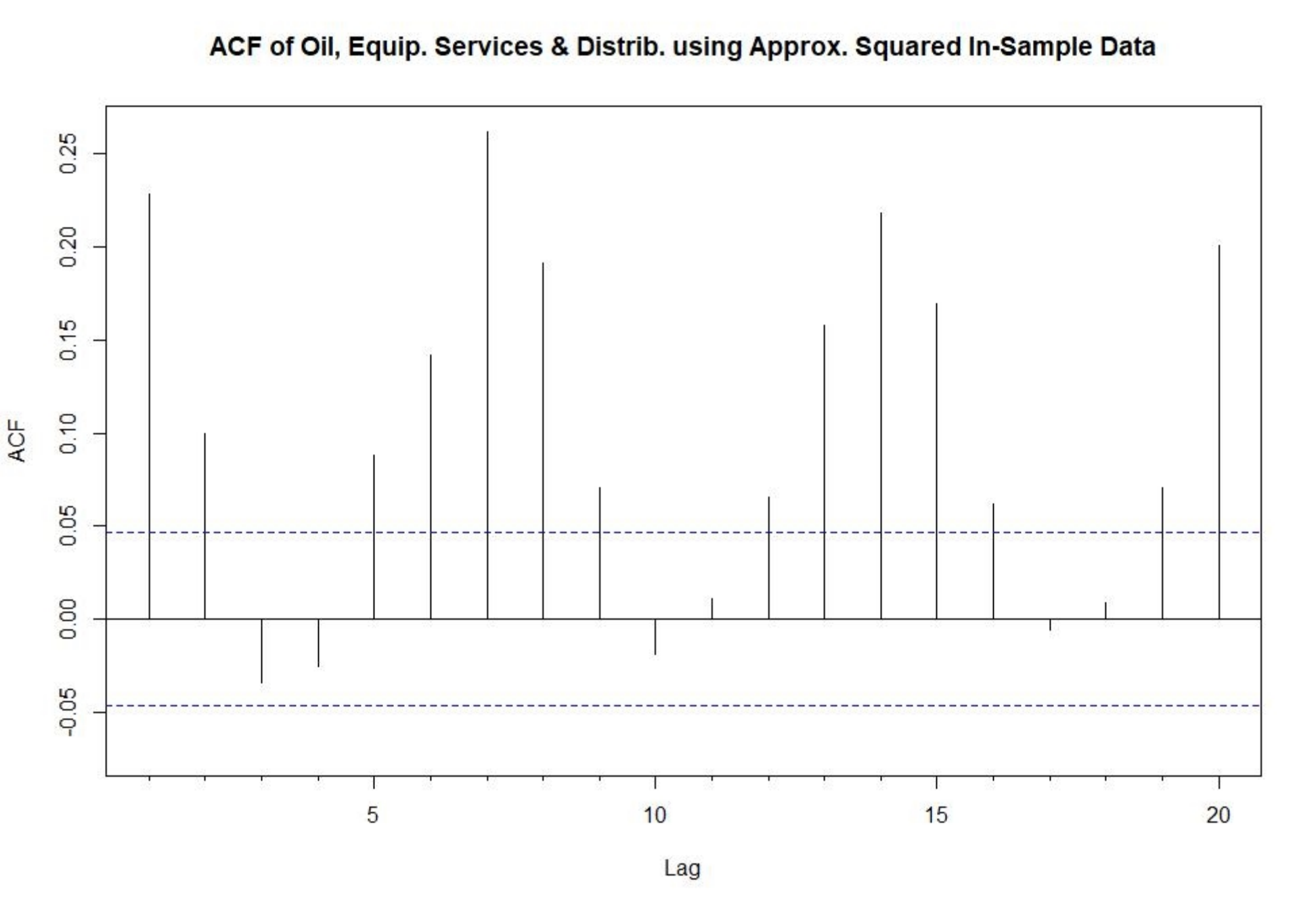

ACF of Europe Total Market using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

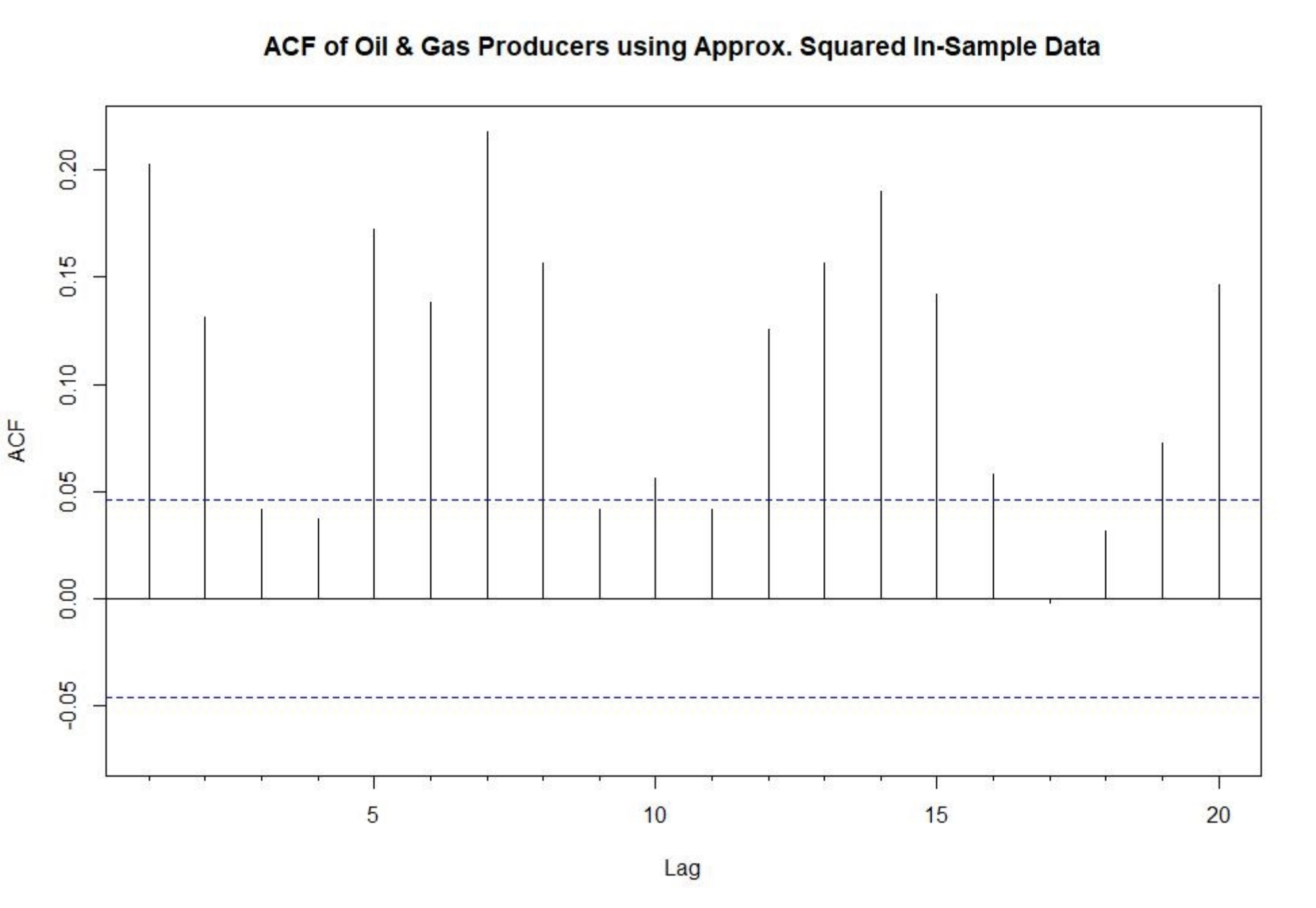

ACF of Fixed Line Communication using Approx. Squared In-Sample Data
ACF
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

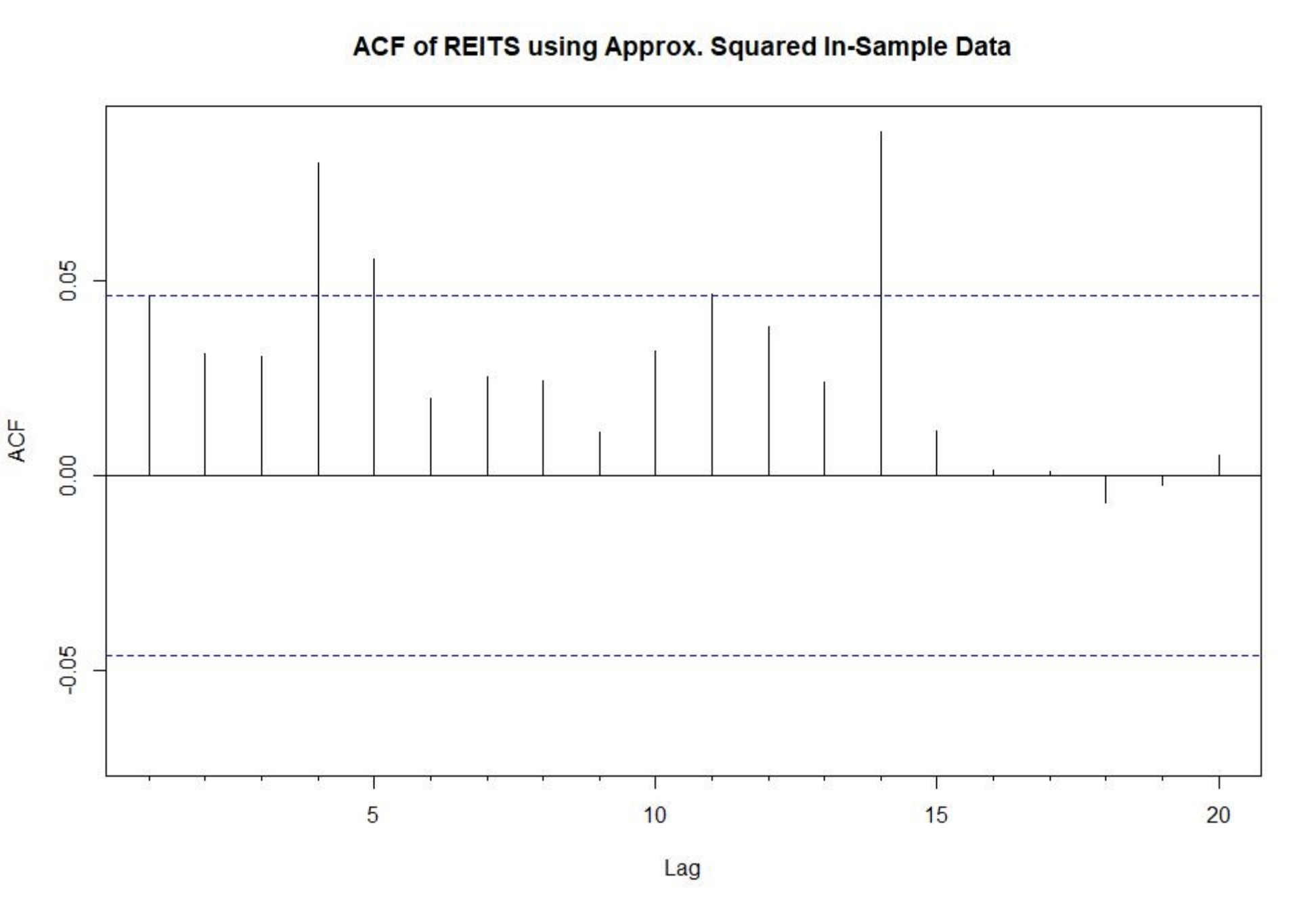

ACF of Forest and Paper using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

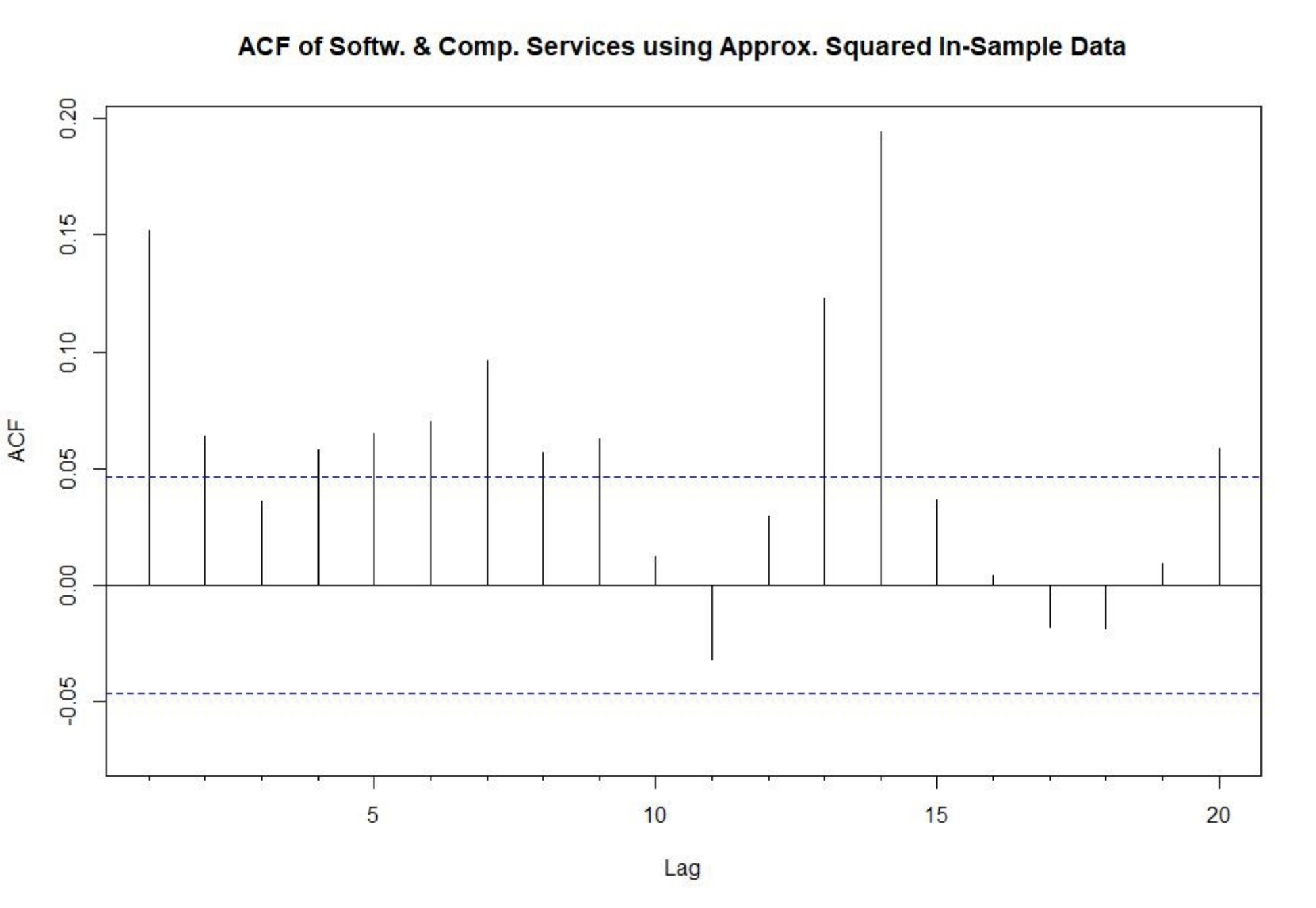

ACF of RE Invest. & Services using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

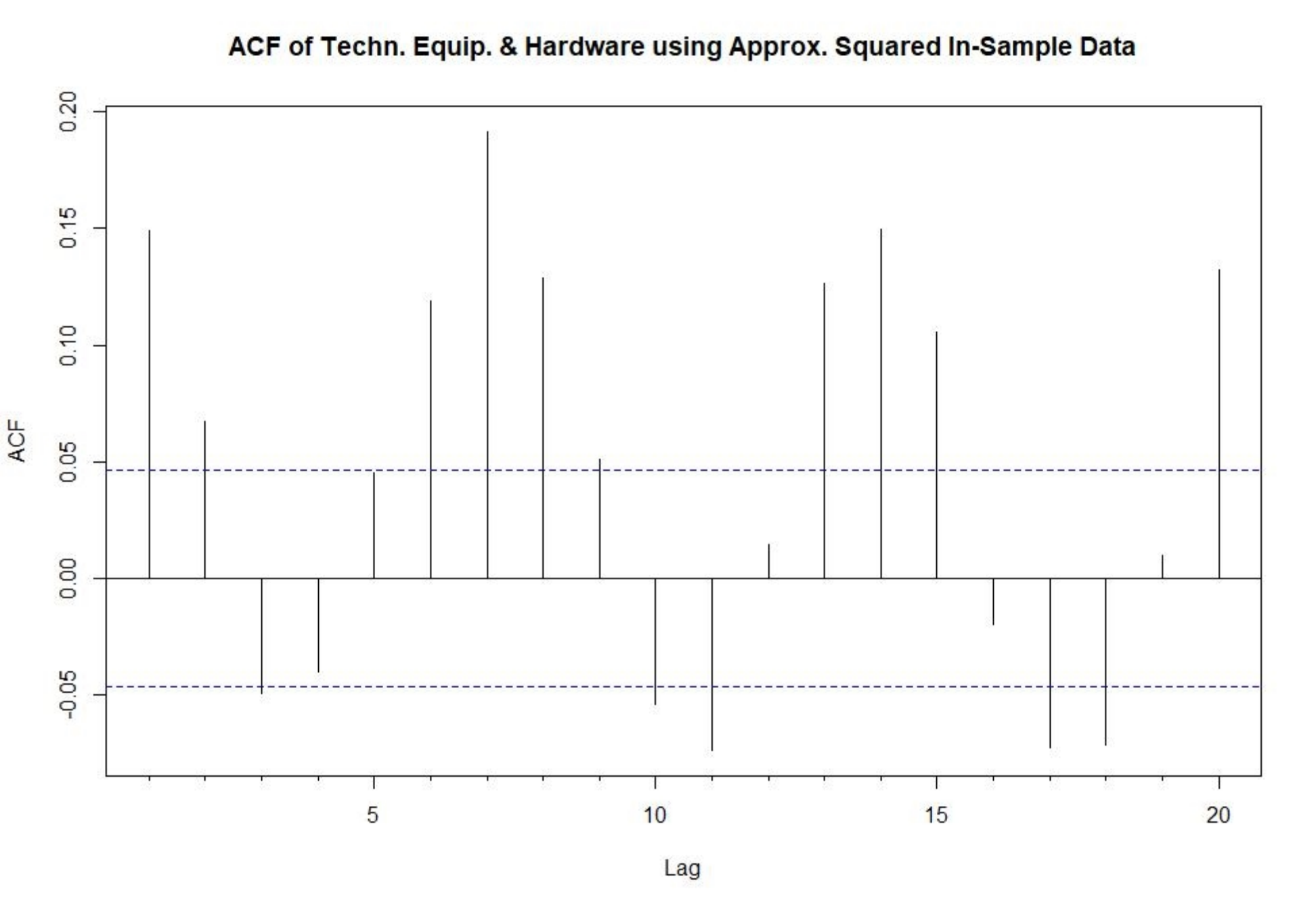

ACF of Mobile Telecommunication using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

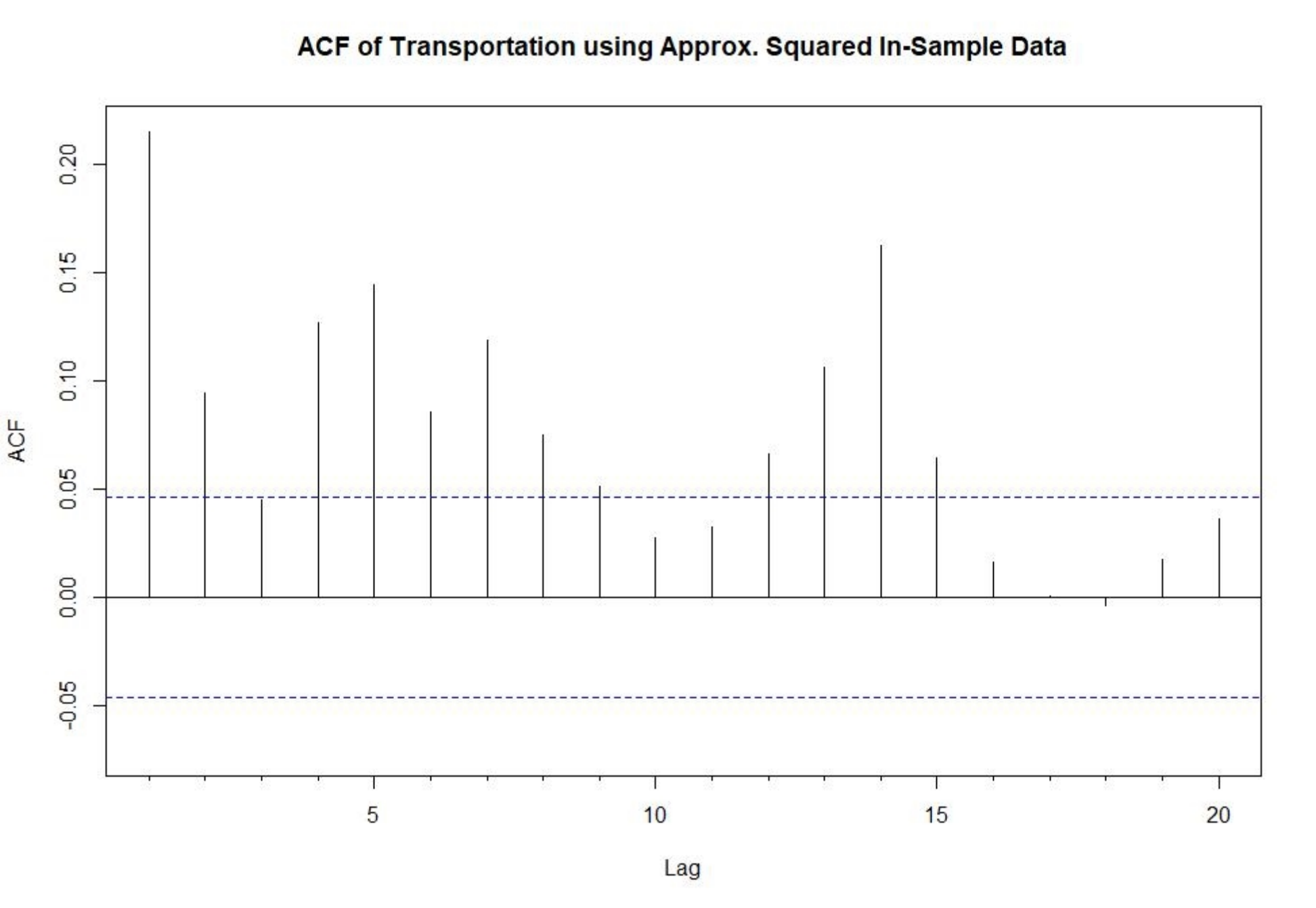

ACF of Oil, Equip. Services & Distrib. using Approx. Squared In-Sample Data
ACF
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

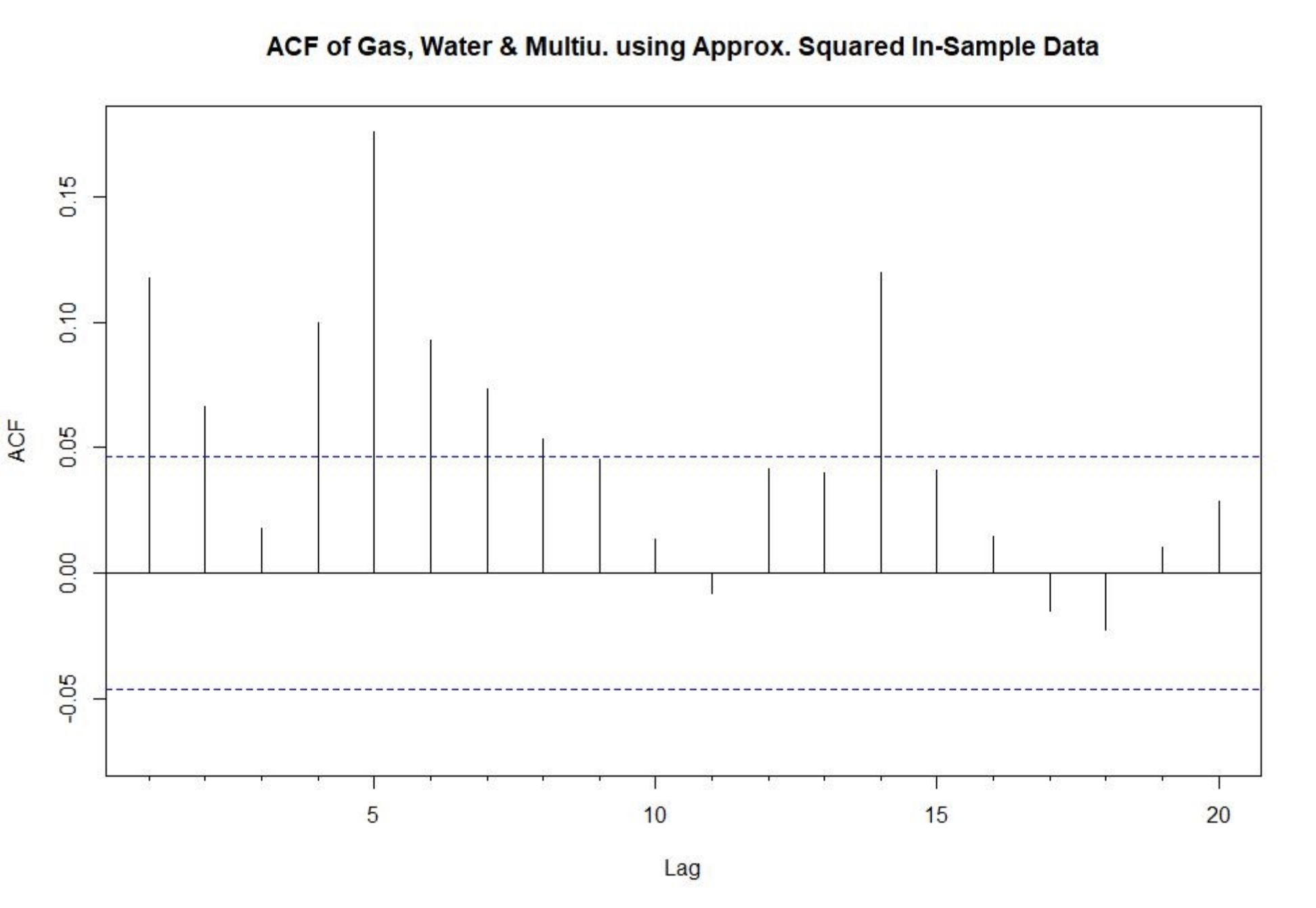

ACF of Oil & Gas Producers using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag


ACF of REITS using Approx. Squared In-Sample Data
ACF
0.05
0.00
-0.05
5
10
15
20
Lag


ACF of Softw. & Comp. Services using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag


ACF of Techn. Equip. & Hardware using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag


ACF of Transportation using Approx. Squared In-Sample Data
ACF
0.20
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag


ACF of Gas, Water & Multiu. using Approx. Squared In-Sample Data
ACF
0.15
0.10
0.05
0.00
-0.05
5
10
15
20
Lag

DIGITAL APPENDIX L

DIGITAL APPENDIX L

L_[CODE]_Chapter 4.7._Engle's ARCH Test

```
#ArchTest
ArchTest(datDJACretINSA$rev.DJACretINSA, lag=5)
ArchTest(datDJALretINSA$rev.DJALretINSA, lag=5)
ArchTest(datDJCCretINSA$rev.DJCCretINSA, lag=5)
ArchTest(datDJCFretINSA$rev.DJCFretINSA, lag=5)
ArchTest(datDJCPretINSA$rev.DJCPretINSA, lag=5)
ArchTest(datDJCTretINSA$rev.DJCTretINSA, lag=5)
ArchTest(datDJLEretINSA$rev.DJLEretINSA, lag=5)
ArchTest(datDJGOretINSA$rev.DJGOretINSA, lag=5)
ArchTest(datDJNIretINSA$rev.DJNIretINSA, lag=5)
ArchTest(datDJSIretINSA$rev.DJSIretINSA, lag=5)
ArchTest(datDJSUretINSA$rev.DJSUretINSA, lag=5)
ArchTest(datDJWEretINSA$rev.DJWEretINSA, lag=5)
ArchTest(datDJZIretINSA$rev.DJZIretINSA, lag=5)
ArchTest(datDJLHretINSA$rev.DJLHretINSA, lag=5)
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ArchTest(datDJSOretINSA$rev.DJSOretINSA, lag=5)
ArchTest(datSEFPretINSA$rev.SEFPretINSA, lag=5)
ArchTest(datSEECretINSA$rev.SEECretINSA, lag=5)
ArchTest(datSEFLretINSA$rev.SEFLretINSA, lag=5)
ArchTest(datSEUTretINSA$rev.SEUTretINSA, lag=5)
ArchTest(datSETRretINSA$rev.SETRretINSA, lag=5)
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ArchTest(datSECHretINSA$rev.SECHretINSA, lag=5)
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ArchTest(datBITCretINSA$rev.BITCretINSA, lag=5)
ArchTest(datLITCretINSA$rev.LITCretINSA, lag=5)
ArchTest(datGREXretINSA$rev.GREXretINSA, lag=5)
ArchTest(datDAXPretINSA$rev.DAXPretINSA, lag=5)

ArchTest(datDJACretINSA$rev.DJACretINSA, lag=10)
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ArchTest(datDJZIretINSA$rev.DJZIretINSA, lag=20)
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ArchTest(datSESOretINSA$rev.SESOretINSA, lag=20)
ArchTest(datSETEretINSA$rev.SETEretINSA, lag=20)
ArchTest(datSEBEretINSA$rev.SEBEretINSA, lag=20)
ArchTest(datSEETretINSA$rev.SEETretINSA, lag=20)
ArchTest(datSECHretINSA$rev.SECHretINSA, lag=20)
ArchTest(datSEAPretINSA$rev.SEAPretINSA, lag=20)
ArchTest(datBITCretINSA$rev.BITCretINSA, lag=20)
ArchTest(datLITCretINSA$rev.LITCretINSA, lag=20)
ArchTest(datGREXretINSA$rev.GREXretINSA, lag=20)
ArchTest(datDAXPretINSA$rev.DAXPretINSA, lag=20)
```

DIGITAL APPENDIX L

L_[RESULTS]_Chapter 4.7._Engle's ARCH Test

ARCH LM-test; Null hypothesis: no ARCH effects												
		ARCH 5 X^2	ARCH 5 p-Value	ARCH 10 X^2	ARCH 10 p-Value	ARCH 15 X^2	ARCH 15 p-Value	ARCH 20 X^2	ARCH 20 p-Value	5	10	15	20
1	All Cattle	51.028	8.537E-10	169.3	2.2E-16	186.51	2.2E-16	198.32	2.2E-16	reject	reject	reject	reject
2	Aluminum	73.081	2.338E-14	170.04	2.2E-16	184.25	2.2E-16	216.04	2.2E-16	reject	reject	reject	reject
3	Cocoa	27.592	0.00004374	74.112	7.081E-12	115.98	2.2E-16	128.64	2.2E-16	reject	reject	reject	reject
4	Coffee	44.909	1.514E-08	68.691	7.931E-11	183.24	2.2E-16	183.42	2.2E-16	reject	reject	reject	reject
5	Copper	47.092	5.442E-09	72.476	1.471E-11	99.657	1.516E-14	109.37	2.559E-14	reject	reject	reject	reject
6	Cotton	27.659	0.00004244	32.851	0.0002885	46.977	0.00003713	56.498	0.00002445	reject	reject	reject	reject
7	Lead	78.691	1.576E-15	89.892	5.627E-15	99.632	1.532E-14	104.72	1.788E-13	reject	reject	reject	reject
8	Gold	8.4999	0.1308	39.989	0.00001702	58.431	4.684E-07	56.065	0.00002842	not reject	reject	reject	reject
9	Nickel	22.253	0.0004687	33.933	0.0001896	54.42	0.000002234	62.892	0.000002518	reject	reject	reject	reject
10	Silver	15.283	0.009219	25.198	0.004983	35.288	0.002237	37.084	0.01143	reject	reject	reject	reject
11	Sugar	28.285	0.00003201	75.389	3.996E-12	95.853	7.929E-14	101.31	7.321E-13	reject	reject	reject	reject
12	Wheat	41.14	8.792E-08	86.65	2.465E-14	108.25	3.496E-16	112.14	7.97E-15	reject	reject	reject	reject
13	Zinc	10.559	0.06087	23.666	0.008538	46.065	0.00005192	48.259	0.0003912	not reject	reject	reject	reject
14	Lean Hogs	60.014	1.208E-11	85.576	4.017E-14	119.44	2.2E-16	122.25	2.2E-16	reject	reject	reject	reject
15	Natural Gas	120.7	2.2E-16	213.07	2.2E-16	225.86	2.2E-16	230.17	2.2E-16	reject	reject	reject	reject
16	Petroleum	109.35	2.2E-16	160.81	2.2E-16	183.76	2.2E-16	191.46	2.2E-16	reject	reject	reject	reject
17	Soybeans	39.456	1.923E-07	85.295	4.565E-14	96.862	5.115E-14	100.95	8.524E-13	reject	reject	reject	reject
18	Forest and Paper	52.71	3.857E-10	119.44	2.2E-16	138.45	2.2E-16	152.33	2.2E-16	reject	reject	reject	reject
19	Electricity	33.386	0.000003155	43.051	0.000004869	55.42	0.000001518	59.327	0.000009047	reject	reject	reject	reject
20	Fixed Line Communication	45.858	9.706E-09	49.708	3.021E-07	62.122	1.085E-07	63.448	0.000002057	reject	reject	reject	reject
21	Gas Water and Multiutilities	89.084	2.2E-16	99.849	2.2E-16	122.42	2.2E-16	128.18	2.2E-16	reject	reject	reject	reject
22	Industrial Transportation	126.57	2.2E-16	140.34	2.2E-16	173.3	2.2E-16	179.69	2.2E-16	reject	reject	reject	reject
23	Mobile Telecommunication	108.67	2.2E-16	180.37	2.2E-16	214.23	2.2E-16	224.14	2.2E-16	reject	reject	reject	reject
24	Oil and Gas Producers	136.37	2.2E-16	198.91	2.2E-16	234.12	2.2E-16	242.91	2.2E-16	reject	reject	reject	reject
25	Oil Equipment Services and Distribution	127.12	2.2E-16	232.94	2.2E-16	269.54	2.2E-16	290.57	2.2E-16	reject	reject	reject	reject
26	Airlines	46.373	7.625E-09	52.76	8.249E-08	59.786	2.745E-07	62.218	0.000003213	reject	reject	reject	reject
27	Real Estate Investment and Services	111.74	2.2E-16	183.6	2.2E-16	201.88	2.2E-16	213.56	2.2E-16	reject	reject	reject	reject
28	REITS	21.437	0.0006697	23.582	0.008789	39.25	0.000588	40.953	0.003778	reject	reject	reject	reject
29	Alternative Energy	11.978	0.03509	49.174	3.785E-07	56.122	0.000001155	70.487	1.516E-07	reject	reject	reject	reject
30	Software and Computer Services	53.349	2.852E-10	71.495	2.279E-11	139.53	2.2E-16	146.89	2.2E-16	reject	reject	reject	reject
31	Technological Equipment and Hardware	59.736	1.378E-11	138.19	2.2E-16	169.06	2.2E-16	190.08	2.2E-16	reject	reject	reject	reject
32	Beverages	23.608	0.0002582	117.69	2.2E-16	149.18	2.2E-16	166.52	2.2E-16	reject	reject	reject	reject
33	Europe Total Market	106	2.2E-16	125.48	2.2E-16	160.96	2.2E-16	169.86	2.2E-16	reject	reject	reject	reject
34	Chemicals	75.086	8.926E-15	127.7	2.2E-16	170.67	2.2E-16	177.68	2.2E-16	reject	reject	reject	reject
35	Auto and Parts	28.859	0.00002472	90.274	4.726E-15	148.19	2.2E-16	150.79	2.2E-16	reject	reject	reject	reject
36	Bitcoin	622.82	2.2E-16	719.11	2.2E-16	728.93	2.2E-16	739.68	2.2E-16	reject	reject	reject	reject
37	Litecoin	70.376	8.557E-14	173.12	2.2E-16	267.53	2.2E-16	293.58	2.2E-16	reject	reject	reject	reject
38	REX	49.053	2.165E-09	89.656	6.266E-15	97.033	4.75E-14	100.62	9.771E-13	reject	reject	reject	reject
39	DAXsubsector All Private Equity & Venture Capital	145.63	2.2E-16	170.71	2.2E-16	187.97	2.2E-16	192.64	2.2E-16	reject	reject	reject	reject

DIGITAL APPENDIX M

DIGITAL APPENDIX M

M_[CODE_GARCH MODELS]_Chapter 4.7._GARCH Models

#GARCH models per Assetclass

##All Cattle

```
DJACs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJACs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJACs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
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DJACs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Aluminium

```
DJALs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

DJALs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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DJALe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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DJALc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

DJALs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Cocoa

```
DJCCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

DJCCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

DJCCs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

##Coffee

```
D3CFs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")

D3CFs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")

D3CFs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
```

#Copper

```
D3CPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

D3CPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

D3CPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

#Cotton

```
D3CTs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")

D3CTs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")

D3CTs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
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D3CTi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
```

#Lead

```
D3LEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D3LEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D3LEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
D1LEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

D1LEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

D1LEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

##Gold

```
D3GOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

D3GOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

D3GOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

##Nickel

```
DJNIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJNIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJNIs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Silver

```
DJSIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
```

```
DJSIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJSIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJSIs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

Sugar

```
DJSUs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJSUs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJSUs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

Wheat

```
DJWEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

DJWEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

DJWEs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

Zinc

```
DJZIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
DJZIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DJZIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DJZIs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

Lean Hogs

```
DJLHs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")

DJLHs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")

DJLHs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
```

Natural Gas

```
DJNGs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

DJNGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

DJNGs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

Petroleum

```
DJPEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
DJPEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DJPEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DJPEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
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Soybeans

```
DJSOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

DJSOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

DJSOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

Forestry and Paper

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SEFPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

SEFPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

SEFPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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Electricity

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SEECs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
```

```
SEEGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SEEGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SEEGs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Fixed Line Communication

```
SEFLs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")

SEFLs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")

SEFLs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
```

##Gas Water and Multiutilities

```
SEUTs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

SEUTs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

SEUTs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Industrial Transportation

```
SETRs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
```

```
SETRc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

SETRs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
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SETRc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

SETRs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Mobile Telecommunication

```
SEMOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")

SEMOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
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SEMOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
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SEMOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
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SEMOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
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SEMOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")

SEMOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
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SEMOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
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SEMOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
```

##Oil and Gas Producers

```
SEOGs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEOGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEOGs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Oil Equipment

```
SEOEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
```

```
SEOEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

SEOEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Airlines

```
SEAIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEAIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEAIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEAIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SEAIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEAIs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SEAIs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SEAIe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SEAIi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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##Real Estate Investment and Services

```
SEIEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

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SEIEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

##REITS

```
SEREs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEREs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEREs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEREs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
```

```
SEREs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEREs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

#Alternative Energy

```
SEAEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEAEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEAEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

#Software

```
SESOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SESOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SESOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

#Technical Hardware and Equipment

```
SETEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SETEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
```

```
SETEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SETEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Beverages

```
SEBEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")

SEBEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")

SEBEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
```

##Total European Market

```
SEETs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SEETs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SEETs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Chemcials

```
SECHs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")

SECHs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
```

```
SECHg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")

SECHs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
```

##Auto and Parts

```
SEAPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

SEAPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

SEAPs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Bitcoin

```
BITCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

BITCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

BITCs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Litecoin

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LITCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

LITCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
```

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LITCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi112std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

LITCs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

```
##REX
GREXs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

GREXs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

GREXs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

```
##DAX Private Equity
DAXPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DAXPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DAXPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

```
#GARCH Modelfit
```

```
##All Cattle
DJACs11edFIT<-ugarchfit(spec=DJACs11eed.data=datDJACretINSA DJACs11gedFIT
DJACs22edFIT<-ugarchfit(spec=DJACs22eed.data=datDJACretINSA DJACs22gedFIT
DJACs12edFIT<-ugarchfit(spec=DJACs12eed.data=datDJACretINSA DJACs12gedFIT
DJACs21edFIT<-ugarchfit(spec=DJACs21eed.data=datDJACretINSA DJACs21gedFIT
DJACe11edFIT<-ugarchfit(spec=DJACe11eed.data=datDJACretINSA DJACe11gedFIT
DJACe22edFIT<-ugarchfit(spec=DJACe22eed.data=datDJACretINSA DJACe22gedFIT
DJACe12edFIT<-ugarchfit(spec=DJACe12eed.data=datDJACretINSA DJACe12gedFIT
DJACe21edFIT<-ugarchfit(spec=DJACe21eed.data=datDJACretINSA DJACe21gedFIT
DJACg11edFIT<-ugarchfit(spec=DJACg11eed.data=datDJACretINSA DJACg11gedFIT
DJACg22edFIT<-ugarchfit(spec=DJACg22eed.data=datDJACretINSA DJACg22gedFIT
DJACg12edFIT<-ugarchfit(spec=DJACg12eed.data=datDJACretINSA DJACg12gedFIT
DJACg21edFIT<-ugarchfit(spec=DJACg21eed.data=datDJACretINSA DJACg21gedFIT
DJACi11edFIT<-ugarchfit(spec=DJACi11eed.data=datDJACretINSA DJACi11gedFIT
DJACi22edFIT<-ugarchfit(spec=DJACi22eed.data=datDJACretINSA DJACi22gedFIT
DJACi12edFIT<-ugarchfit(spec=DJACi12eed.data=datDJACretINSA DJACi12gedFIT
DJACi21edFIT<-ugarchfit(spec=DJACi21eed.data=datDJACretINSA DJACi21gedFIT
DJACc11edFIT<-ugarchfit(spec=DJACc11eed.data=datDJACretINSA DJACc11gedFIT
DJACc22edFIT<-ugarchfit(spec=DJACc22eed.data=datDJACretINSA DJACc22gedFIT
DJACc12edFIT<-ugarchfit(spec=DJACc12eed.data=datDJACretINSA DJACc12gedFIT
DJACc21edFIT<-ugarchfit(spec=DJACc21eed.data=datDJACretINSA DJACc21gedFIT

DJACs11stdFIT<-ugarchfit(spec=DJACs11std.data=datDJACretINSA DJACs11stdFIT
DJACs22stdFIT<-ugarchfit(spec=DJACs22std.data=datDJACretINSA DJACs22stdFIT
DJACs12stdFIT<-ugarchfit(spec=DJACs12std.data=datDJACretINSA DJACs12stdFIT
DJACs21stdFIT<-ugarchfit(spec=DJACs21std.data=datDJACretINSA DJACs21stdFIT
DJACe11stdFIT<-ugarchfit(spec=DJACe11std.data=datDJACretINSA DJACe11stdFIT
DJACe22stdFIT<-ugarchfit(spec=DJACe22std.data=datDJACretINSA DJACe22stdFIT
DJACe12stdFIT<-ugarchfit(spec=DJACe12std.data=datDJACretINSA DJACe12stdFIT
DJACe21stdFIT<-ugarchfit(spec=DJACe21std.data=datDJACretINSA DJACe21stdFIT
DJACg11stdFIT<-ugarchfit(spec=DJACg11std.data=datDJACretINSA DJACg11stdFIT
DJACg22stdFIT<-ugarchfit(spec=DJACg22std.data=datDJACretINSA DJACg22stdFIT
DJACg12stdFIT<-ugarchfit(spec=DJACg12std.data=datDJACretINSA DJACg12stdFIT
DJACg21stdFIT<-ugarchfit(spec=DJACg21std.data=datDJACretINSA DJACg21stdFIT
DJACi11stdFIT<-ugarchfit(spec=DJACi11std.data=datDJACretINSA DJACi11stdFIT
```

```
DJAAc122stdFIT<-uqarchfit(spec=DJAAc122std,data=datDJACretINSA DJAAc122stdFIT
DJAAc112stdFIT<-uqarchfit(spec=DJAAc112std,data=datDJACretINSA DJAAc112stdFIT
DJAAc121stdFIT<-uqarchfit(spec=DJAAc121std,data=datDJACretINSA DJAAc121stdFIT
DJAACc11stdFIT<-uqarchfit(spec=DJAACc11std,data=datDJACretINSA DJAACc11stdFIT
DJAAcc22stdFIT<-uqarchfit(spec=DJAAcc22std,data=datDJACretINSA DJAAcc22stdFIT
DJAAcc12stdFIT<-uqarchfit(spec=DJAAcc12std,data=datDJACretINSA DJAAcc12stdFIT
DJAAcc21stdFIT<-uqarchfit(spec=DJAAcc21std,data=datDJACretINSA DJAAcc21stdFIT

DJACs11norFIT<-uqarchfit(spec=DJACs11nor,data=datDJACretINSA DJACs11norFIT
DJACs22norFIT<-uqarchfit(spec=DJACs22nor,data=datDJACretINSA DJACs22norFIT
DJACs12norFIT<-uqarchfit(spec=DJACs12nor,data=datDJACretINSA DJACs12norFIT
DJACs21norFIT<-uqarchfit(spec=DJACs21nor,data=datDJACretINSA DJACs21norFIT
DJACe11norFIT<-uqarchfit(spec=DJACe11nor,data=datDJACretINSA DJACe11norFIT
DJACe22norFIT<-uqarchfit(spec=DJACe22nor,data=datDJACretINSA DJACe22norFIT
DJACe12norFIT<-uqarchfit(spec=DJACe12nor,data=datDJACretINSA DJACe12norFIT
DJACe21norFIT<-uqarchfit(spec=DJACe21nor,data=datDJACretINSA DJACe21norFIT
DJACCe11norFIT<-uqarchfit(spec=DJACCe11nor,data=datDJACretINSA DJACCg11norFIT
DJACCe22norFIT<-uqarchfit(spec=DJACCe22nor,data=datDJACretINSA DJACCg22norFIT
DJACCe12norFIT<-uqarchfit(spec=DJACCe12nor,data=datDJACretINSA DJACCg12norFIT
DJACCe21norFIT<-uqarchfit(spec=DJACCe21nor,data=datDJACretINSA DJACCg21norFIT
DJACCi11norFIT<-uqarchfit(spec=DJACCi11nor,data=datDJACretINSA DJACCi11norFIT
DJACCi22norFIT<-uqarchfit(spec=DJACCi22nor,data=datDJACretINSA DJACCi22norFIT
DJACCi12norFIT<-uqarchfit(spec=DJACCi12nor,data=datDJACretINSA DJACCi12norFIT
DJACCi21norFIT<-uqarchfit(spec=DJACCi21nor,data=datDJACretINSA DJACCi21norFIT
DJACCc11norFIT<-uqarchfit(spec=DJACCc11nor,data=datDJACretINSA DJACCc11norFIT
DJACCc22norFIT<-uqarchfit(spec=DJACCc22nor,data=datDJACretINSA DJACCc22norFIT
DJACCc12norFIT<-uqarchfit(spec=DJACCc12nor,data=datDJACretINSA DJACCc12norFIT
DJACCc21norFIT<-uqarchfit(spec=DJACCc21nor,data=datDJACretINSA DJACCc21norFIT
```

#Aluminium

```
DJALs11eedFIT<-uqarchfit(spec=DJALs11eed,data=datDJALretINSA DJALs11gedFIT
DJALs22eedFIT<-uqarchfit(spec=DJALs22eed,data=datDJALretINSA DJALs22gedFIT
DJALs12eedFIT<-uqarchfit(spec=DJALs12eed,data=datDJALretINSA DJALs12gedFIT
DJALs21eedFIT<-uqarchfit(spec=DJALs21eed,data=datDJALretINSA DJALs21gedFIT
DJALe11eedFIT<-uqarchfit(spec=DJALe11eed,data=datDJALretINSA DJALe11gedFIT
DJALe22eedFIT<-uqarchfit(spec=DJALe22eed,data=datDJALretINSA DJALe22gedFIT
DJALe12eedFIT<-uqarchfit(spec=DJALe12eed,data=datDJALretINSA DJALe12gedFIT
DJALe21eedFIT<-uqarchfit(spec=DJALe21eed,data=datDJALretINSA DJALe21gedFIT
DJALg11eedFIT<-uqarchfit(spec=DJALg11eed,data=datDJALretINSA DJALg11gedFIT
DJALg22eedFIT<-uqarchfit(spec=DJALg22eed,data=datDJALretINSA DJALg22gedFIT
DJALg12eedFIT<-uqarchfit(spec=DJALg12eed,data=datDJALretINSA DJALg12gedFIT
DJALg21eedFIT<-uqarchfit(spec=DJALg21eed,data=datDJALretINSA DJALg21gedFIT
DJALi11eedFIT<-uqarchfit(spec=DJALi11eed,data=datDJALretINSA DJALi11gedFIT
DJALi22eedFIT<-uqarchfit(spec=DJALi22eed,data=datDJALretINSA DJALi22gedFIT
DJALi12eedFIT<-uqarchfit(spec=DJALi12eed,data=datDJALretINSA DJALi12gedFIT
DJALi21eedFIT<-uqarchfit(spec=DJALi21eed,data=datDJALretINSA DJALi21gedFIT
DJALc11eedFIT<-uqarchfit(spec=DJALc11eed,data=datDJALretINSA DJALc11gedFIT
DJALc22eedFIT<-uqarchfit(spec=DJALc22eed,data=datDJALretINSA DJALc22gedFIT
DJALc12eedFIT<-uqarchfit(spec=DJALc12eed,data=datDJALretINSA DJALc12gedFIT
DJALc21eedFIT<-uqarchfit(spec=DJALc21eed,data=datDJALretINSA DJALc21gedFIT

DJALs11stdFIT<-uqarchfit(spec=DJALs11std,data=datDJALretINSA DJALs11stdFIT
DJALs22stdFIT<-uqarchfit(spec=DJALs22std,data=datDJALretINSA DJALs22stdFIT
DJALs12stdFIT<-uqarchfit(spec=DJALs12std,data=datDJALretINSA DJALs12stdFIT
DJALs21stdFIT<-uqarchfit(spec=DJALs21std,data=datDJALretINSA DJALs21stdFIT
DJALe11stdFIT<-uqarchfit(spec=DJALe11std,data=datDJALretINSA DJALe11stdFIT
DJALe22stdFIT<-uqarchfit(spec=DJALe22std,data=datDJALretINSA DJALe22stdFIT
DJALe12stdFIT<-uqarchfit(spec=DJALe12std,data=datDJALretINSA DJALe12stdFIT
DJALe21stdFIT<-uqarchfit(spec=DJALe21std,data=datDJALretINSA DJALe21stdFIT
DJALg11stdFIT<-uqarchfit(spec=DJALg11std,data=datDJALretINSA DJALg11stdFIT
DJALg22stdFIT<-uqarchfit(spec=DJALg22std,data=datDJALretINSA DJALg22stdFIT
DJALg12stdFIT<-uqarchfit(spec=DJALg12std,data=datDJALretINSA DJALg12stdFIT
DJALg21stdFIT<-uqarchfit(spec=DJALg21std,data=datDJALretINSA DJALg21stdFIT
DJALi11stdFIT<-uqarchfit(spec=DJALi11std,data=datDJALretINSA DJALi11stdFIT
DJALi22stdFIT<-uqarchfit(spec=DJALi22std,data=datDJALretINSA DJALi22stdFIT
DJALi12stdFIT<-uqarchfit(spec=DJALi12std,data=datDJALretINSA DJALi12stdFIT
DJALi21stdFIT<-uqarchfit(spec=DJALi21std,data=datDJALretINSA DJALi21stdFIT
DJALc11stdFIT<-uqarchfit(spec=DJALc11std,data=datDJALretINSA DJALc11stdFIT
DJALc22stdFIT<-uqarchfit(spec=DJALc22std,data=datDJALretINSA DJALc22stdFIT
DJALc12stdFIT<-uqarchfit(spec=DJALc12std,data=datDJALretINSA DJALc12stdFIT
DJALc21stdFIT<-uqarchfit(spec=DJALc21std,data=datDJALretINSA DJALc21stdFIT

DJALs11norFIT<-uqarchfit(spec=DJALs11nor,data=datDJALretINSA DJALs11norFIT
DJALs22norFIT<-uqarchfit(spec=DJALs22nor,data=datDJALretINSA DJALs22norFIT
DJALs12norFIT<-uqarchfit(spec=DJALs12nor,data=datDJALretINSA DJALs12norFIT
DJALs21norFIT<-uqarchfit(spec=DJALs21nor,data=datDJALretINSA DJALs21norFIT
DJALe11norFIT<-uqarchfit(spec=DJALe11nor,data=datDJALretINSA DJALe11norFIT
DJALe22norFIT<-uqarchfit(spec=DJALe22nor,data=datDJALretINSA DJALe22norFIT
DJALe12norFIT<-uqarchfit(spec=DJALe12nor,data=datDJALretINSA DJALe12norFIT
DJALe21norFIT<-uqarchfit(spec=DJALe21nor,data=datDJALretINSA DJALe21norFIT
DJALe11norFIT<-uqarchfit(spec=DJALe11nor,data=datDJALretINSA DJALg11norFIT
DJALe22norFIT<-uqarchfit(spec=DJALe22nor,data=datDJALretINSA DJALg22norFIT
DJALe12norFIT<-uqarchfit(spec=DJALe12nor,data=datDJALretINSA DJALg12norFIT
DJALe21norFIT<-uqarchfit(spec=DJALe21nor,data=datDJALretINSA DJALg21norFIT
DJALi11norFIT<-uqarchfit(spec=DJALi11nor,data=datDJALretINSA DJALi11norFIT
DJALi22norFIT<-uqarchfit(spec=DJALi22nor,data=datDJALretINSA DJALi22norFIT
DJALi12norFIT<-uqarchfit(spec=DJALi12nor,data=datDJALretINSA DJALi12norFIT
DJALi21norFIT<-uqarchfit(spec=DJALi21nor,data=datDJALretINSA DJALi21norFIT
DJALc11norFIT<-uqarchfit(spec=DJALc11nor,data=datDJALretINSA DJALc11norFIT
DJALc22norFIT<-uqarchfit(spec=DJALc22nor,data=datDJALretINSA DJALc22norFIT
DJALc12norFIT<-uqarchfit(spec=DJALc12nor,data=datDJALretINSA DJALc12norFIT
DJALc21norFIT<-uqarchfit(spec=DJALc21nor,data=datDJALretINSA DJALc21norFIT
```

#Cocoa

```
DJCCs11eedFIT<-uqarchfit(spec=DJCCs11eed,data=datDJCCretINSA DJCCs11gedFIT
DJCCs22eedFIT<-uqarchfit(spec=DJCCs22eed,data=datDJCCretINSA DJCCs22gedFIT
DJCCs12eedFIT<-uqarchfit(spec=DJCCs12eed,data=datDJCCretINSA DJCCs12gedFIT
DJCCs21eedFIT<-uqarchfit(spec=DJCCs21eed,data=datDJCCretINSA DJCCs21gedFIT
DJCCe11eedFIT<-uqarchfit(spec=DJCCe11eed,data=datDJCCretINSA DJCCe11gedFIT
DJCCe22eedFIT<-uqarchfit(spec=DJCCe22eed,data=datDJCCretINSA DJCCe22gedFIT
DJCCe12eedFIT<-uqarchfit(spec=DJCCe12eed,data=datDJCCretINSA DJCCe12gedFIT
DJCCe21eedFIT<-uqarchfit(spec=DJCCe21eed,data=datDJCCretINSA DJCCe21gedFIT
DJCCg11eedFIT<-uqarchfit(spec=DJCCg11eed,data=datDJCCretINSA DJCCg11gedFIT
DJCCg22eedFIT<-uqarchfit(spec=DJCCg22eed,data=datDJCCretINSA DJCCg22gedFIT
DJCCg12eedFIT<-uqarchfit(spec=DJCCg12eed,data=datDJCCretINSA DJCCg12gedFIT
DJCCg21eedFIT<-uqarchfit(spec=DJCCg21eed,data=datDJCCretINSA DJCCg21gedFIT
DJCCi11eedFIT<-uqarchfit(spec=DJCCi11eed,data=datDJCCretINSA DJCCi11gedFIT
DJCCi22eedFIT<-uqarchfit(spec=DJCCi22eed,data=datDJCCretINSA DJCCi22gedFIT
DJCCi12eedFIT<-uqarchfit(spec=DJCCi12eed,data=datDJCCretINSA DJCCi12gedFIT
DJCCi21eedFIT<-uqarchfit(spec=DJCCi21eed,data=datDJCCretINSA DJCCi21gedFIT
DJCCc11eedFIT<-uqarchfit(spec=DJCCc11eed,data=datDJCCretINSA DJCCc11gedFIT
DJCCc22eedFIT<-uqarchfit(spec=DJCCc22eed,data=datDJCCretINSA DJCCc22gedFIT
DJCCc12eedFIT<-uqarchfit(spec=DJCCc12eed,data=datDJCCretINSA DJCCc12gedFIT
DJCCc21eedFIT<-uqarchfit(spec=DJCCc21eed,data=datDJCCretINSA DJCCc21gedFIT

DJCCs11stdFIT<-uqarchfit(spec=DJCCs11std,data=datDJCCretINSA DJCCs11stdFIT
DJCCs22stdFIT<-uqarchfit(spec=DJCCs22std,data=datDJCCretINSA DJCCs22stdFIT
DJCCs12stdFIT<-uqarchfit(spec=DJCCs12std,data=datDJCCretINSA DJCCs12stdFIT
DJCCs21stdFIT<-uqarchfit(spec=DJCCs21std,data=datDJCCretINSA DJCCs21stdFIT
DJCCe11stdFIT<-uqarchfit(spec=DJCCe11std,data=datDJCCretINSA DJCCe11stdFIT
DJCCe22stdFIT<-uqarchfit(spec=DJCCe22std,data=datDJCCretINSA DJCCe22stdFIT
DJCCe12stdFIT<-uqarchfit(spec=DJCCe12std,data=datDJCCretINSA DJCCe12stdFIT
DJCCe21stdFIT<-uqarchfit(spec=DJCCe21std,data=datDJCCretINSA DJCCe21stdFIT
DJCCg11stdFIT<-uqarchfit(spec=DJCCg11std,data=datDJCCretINSA DJCCg11stdFIT
DJCCg22stdFIT<-uqarchfit(spec=DJCCg22std,data=datDJCCretINSA DJCCg22stdFIT
DJCCg12stdFIT<-uqarchfit(spec=DJCCg12std,data=datDJCCretINSA DJCCg12stdFIT
DJCCg21stdFIT<-uqarchfit(spec=DJCCg21std,data=datDJCCretINSA DJCCg21stdFIT
DJCCi11stdFIT<-uqarchfit(spec=DJCCi11std,data=datDJCCretINSA DJCCi11stdFIT
DJCCi22stdFIT<-uqarchfit(spec=DJCCi22std,data=datDJCCretINSA DJCCi22stdFIT
DJCCi12stdFIT<-uqarchfit(spec=DJCCi12std,data=datDJCCretINSA DJCCi12stdFIT
DJCCi21stdFIT<-uqarchfit(spec=DJCCi21std,data=datDJCCretINSA DJCCi21stdFIT
DJCCc11stdFIT<-uqarchfit(spec=DJCCc11std,data=datDJCCretINSA DJCCc11stdFIT
DJCCc22stdFIT<-uqarchfit(spec=DJCCc22std,data=datDJCCretINSA DJCCc22stdFIT
DJCCc12stdFIT<-uqarchfit(spec=DJCCc12std,data=datDJCCretINSA DJCCc12stdFIT
DJCCc21stdFIT<-uqarchfit(spec=DJCCc21std,data=datDJCCretINSA DJCCc21stdFIT

DJCCs11norFIT<-uqarchfit(spec=DJCCs11nor,data=datDJCCretINSA DJCCs11norFIT
DJCCs22norFIT<-uqarchfit(spec=DJCCs22nor,data=datDJCCretINSA DJCCs22norFIT
DJCCs12norFIT<-uqarchfit(spec=DJCCs12nor,data=datDJCCretINSA DJCCs12norFIT
DJCCs21norFIT<-uqarchfit(spec=DJCCs21nor,data=datDJCCretINSA DJCCs21norFIT
DJCCe11norFIT<-uqarchfit(spec=DJCCe11nor,data=datDJCCretINSA DJCCe11norFIT
DJCCe22norFIT<-uqarchfit(spec=DJCCe22nor,data=datDJCCretINSA DJCCe22norFIT
DJCCe12norFIT<-uqarchfit(spec=DJCCe12nor,data=datDJCCretINSA DJCCe12norFIT
DJCCe21norFIT<-uqarchfit(spec=DJCCe21nor,data=datDJCCretINSA DJCCe21norFIT
DJCCg11norFIT<-uqarchfit(spec=DJCCg11nor,data=datDJCCretINSA DJCCg11norFIT
DJCCg22norFIT<-uqarchfit(spec=DJCCg22nor,data=datDJCCretINSA DJCCg22norFIT
DJCCg12norFIT<-uqarchfit(spec=DJCCg12nor,data=datDJCCretINSA DJCCg12norFIT
DJCCg21norFIT<-uqarchfit(spec=DJCCg21nor,data=datDJCCretINSA DJCCg21norFIT
DJCCi11norFIT<-uqarchfit(spec=DJCCi11nor,data=datDJCCretINSA DJCCi11norFIT
DJCCi22norFIT<-uqarchfit(spec=DJCCi22nor,data=datDJCCretINSA DJCCi22norFIT
DJCCi12norFIT<-uqarchfit(spec=DJCCi12nor,data=datDJCCretINSA DJCCi12norFIT
DJCCi21norFIT<-uqarchfit(spec=DJCCi21nor,data=datDJCCretINSA DJCCi21norFIT
DJCCc11norFIT<-uqarchfit(spec=DJCCc11nor,data=datDJCCretINSA DJCCc11norFIT
DJCCc22norFIT<-uqarchfit(spec=DJCCc22nor,data=datDJCCretINSA DJCCc22norFIT
DJCCc12norFIT<-uqarchfit(spec=DJCCc12nor,data=datDJCCretINSA DJCCc12norFIT
DJCCc21norFIT<-uqarchfit(spec=DJCCc21nor,data=datDJCCretINSA DJCCc21norFIT
DJCCa11norFIT<-uqarchfit(spec=DJCCa11nor,data=datDJCCretINSA DJCCa11norFIT
```

#CoffeeFIT

```
DJCFs11eedFIT<-uqarchfit(spec=DJCFs11eed,data=datDJCFretINSA DJCFs11gedFIT
DJCFs22eedFIT<-uqarchfit(spec=DJCFs22eed,data=datDJCFretINSA DJCFs22gedFIT
DJCFs12eedFIT<-uqarchfit(spec=DJCFs12eed,data=datDJCFretINSA DJCFs12gedFIT
DJCFs21eedFIT<-uqarchfit(spec=DJCFs21eed,data=datDJCFretINSA DJCFs21gedFIT
DJCFe11eedFIT<-uqarchfit(spec=DJCFe11eed,data=datDJCFretINSA DJCFe11gedFIT
DJCFe22eedFIT<-uqarchfit(spec=DJCFe22eed,data=datDJCFretINSA DJCFe22gedFIT
DJCFe12eedFIT<-uqarchfit(spec=DJCFe12eed,data=datDJCFretINSA DJCFe12gedFIT
DJCFe21eedFIT<-uqarchfit(spec=DJCFe21eed,data=datDJCFretINSA DJCFe21gedFIT
DJCFg11eedFIT<-uqarchfit(spec=DJCFg11eed,data=datDJCFretINSA DJCFg11gedFIT
DJCFg22eedFIT<-uqarchfit(spec=DJCFg22eed,data=datDJCFretINSA DJCFg22gedFIT
DJCFg12eedFIT<-uqarchfit(spec=DJCFg12eed,data=datDJCFretINSA DJCFg12gedFIT
DJCFg21eedFIT<-uqarchfit(spec=DJCFg21eed,data=datDJCFretINSA DJCFg21gedFIT
DJCFi11eedFIT<-uqarchfit(spec=DJCFi11eed,data=datDJCFretINSA DJCFi11gedFIT
DJCFi22eedFIT<-uqarchfit(spec=DJCFi22eed,data=datDJCFretINSA DJCFi22gedFIT
DJCFi12eedFIT<-uqarchfit(spec=DJCFi12eed,data=datDJCFretINSA DJCFi12gedFIT
DJCFi21eedFIT<-uqarchfit(spec=DJCFi21eed,data=datDJCFretINSA DJCFi21gedFIT
DJCFc11eedFIT<-uqarchfit(spec=DJCFc11eed,data=datDJCFretINSA DJCFc11gedFIT
DJCFc22eedFIT<-uqarchfit(spec=DJCFc22eed,data=datDJCFretINSA DJCFc22gedFIT
DJCFc12eedFIT<-uqarchfit(spec=DJCFc12eed,data=datDJCFretINSA DJCFc12gedFIT
DJCFc21eedFIT<-uqarchfit(spec=DJCFc21eed,data=datDJCFretINSA DJCFc21gedFIT

DJCFs11stdFIT<-uqarchfit(spec=DJCFs11std,data=datDJCFretINSA DJCFs11stdFIT
DJCFs22stdFIT<-uqarchfit(spec=DJCFs22std,data=datDJCFretINSA DJCFs22stdFIT
DJCFs12stdFIT<-uqarchfit(spec=DJCFs12std,data=datDJCFretINSA DJCFs12stdFIT
DJCFs21stdFIT<-uqarchfit(spec=DJCFs21std,data=datDJCFretINSA DJCFs21stdFIT
DJCFe11stdFIT<-uqarchfit(spec=DJCFe11std,data=datDJCFretINSA DJCFe11stdFIT
DJCFe22stdFIT<-uqarchfit(spec=DJCFe22std,data=datDJCFretINSA DJCFe22stdFIT
DJCFe12stdFIT<-uqarchfit(spec=DJCFe12std,data=datDJCFretINSA DJCFe12stdFIT
DJCFe21stdFIT<-uqarchfit(spec=DJCFe21std,data=datDJCFretINSA DJCFe21stdFIT
DJCFe11stdFIT<-uqarchfit(spec=DJCFe11std,data=datDJCFretINSA DJCFg11stdFIT
DJCFe22stdFIT<-uqarchfit(spec=DJCFe22std,data=datDJCFretINSA DJCFg22stdFIT
DJCFe12stdFIT<-uqarchfit(spec=DJCFe12std,data=datDJCFretINSA DJCFg12stdFIT
DJCFg21stdFIT<-uqarchfit(spec=DJCFg21std,data=datDJCFretINSA DJCFg21stdFIT
DJCFi11stdFIT<-uqarchfit(spec=DJCFi11std,data=datDJCFretINSA DJCFi11stdFIT
DJCFi22stdFIT<-uqarchfit(spec=DJCFi22std,data=datDJCFretINSA DJCFi22stdFIT
DJCFi12stdFIT<-uqarchfit(spec=DJCFi12std,data=datDJCFretINSA DJCFi12stdFIT
```

```
D3CFi21stdFIT<-ugarchfit(spec=D3CFi21std,data=datD3CFretINSA D3CFi21stdFIT
D3CFc11stdFIT<-ugarchfit(spec=D3CFc11std,data=datD3CFretINSA D3CFc11stdFIT
D3CFc22stdFIT<-ugarchfit(spec=D3CFc22std,data=datD3CFretINSA D3CFc22stdFIT
D3CFc12stdFIT<-ugarchfit(spec=D3CFc12std,data=datD3CFretINSA D3CFc12stdFIT
D3CFc21stdFIT<-ugarchfit(spec=D3CFc21std,data=datD3CFretINSA D3CFc21stdFIT

D3CFs11norFIT<-ugarchfit(spec=D3CFs11nor,data=datD3CFretINSA D3CFs11norFIT
D3CFs22norFIT<-ugarchfit(spec=D3CFs22nor,data=datD3CFretINSA D3CFs22norFIT
D3CFs12norFIT<-ugarchfit(spec=D3CFs12nor,data=datD3CFretINSA D3CFs12norFIT
D3CFs21norFIT<-ugarchfit(spec=D3CFs21nor,data=datD3CFretINSA D3CFs21norFIT
D3CFe11norFIT<-ugarchfit(spec=D3CFe11nor,data=datD3CFretINSA D3CFe11norFIT
D3CFe22norFIT<-ugarchfit(spec=D3CFe22nor,data=datD3CFretINSA D3CFe22norFIT
D3CFe12norFIT<-ugarchfit(spec=D3CFe12nor,data=datD3CFretINSA D3CFe12norFIT
D3CFe21norFIT<-ugarchfit(spec=D3CFe21nor,data=datD3CFretINSA D3CFe21norFIT
D3CFg11norFIT<-ugarchfit(spec=D3CFe11nor,data=datD3CFretINSA D3CFg11norFIT
D3CFg22norFIT<-ugarchfit(spec=D3CFe22nor,data=datD3CFretINSA D3CFg22norFIT
D3CFg12norFIT<-ugarchfit(spec=D3CFe12nor,data=datD3CFretINSA D3CFg12norFIT
D3CFg21norFIT<-ugarchfit(spec=D3CFe21nor,data=datD3CFretINSA D3CFg21norFIT
D3CFi11norFIT<-ugarchfit(spec=D3CFi11nor,data=datD3CFretINSA D3CFi11norFIT
D3CFi22norFIT<-ugarchfit(spec=D3CFi22nor,data=datD3CFretINSA D3CFi22norFIT
D3CFi12norFIT<-ugarchfit(spec=D3CFi12nor,data=datD3CFretINSA D3CFi12norFIT
D3CFi21norFIT<-ugarchfit(spec=D3CFi21nor,data=datD3CFretINSA D3CFi21norFIT
D3CFc11norFIT<-ugarchfit(spec=D3CFc11nor,data=datD3CFretINSA D3CFc11norFIT
D3CFc22norFIT<-ugarchfit(spec=D3CFc22nor,data=datD3CFretINSA D3CFc22norFIT
D3CFc12norFIT<-ugarchfit(spec=D3CFc12nor,data=datD3CFretINSA D3CFc12norFIT
D3CFc21norFIT<-ugarchfit(spec=D3CFc21nor,data=datD3CFretINSA D3CFc21norFIT
```

##CopperFIT

```
D3CPs11gedFIT<-ugarchfit(spec=D3CPs11ged,data=datD3CPretINSA D3CPs11gedFIT
D3CPs22gedFIT<-ugarchfit(spec=D3CPs22ged,data=datD3CPretINSA D3CPs22gedFIT
D3CPs12gedFIT<-ugarchfit(spec=D3CPs12ged,data=datD3CPretINSA D3CPs12gedFIT
D3CPs21gedFIT<-ugarchfit(spec=D3CPs21ged,data=datD3CPretINSA D3CPs21gedFIT
D3CPe11gedFIT<-ugarchfit(spec=D3CPe11ged,data=datD3CPretINSA D3CPe11gedFIT
D3CPe22gedFIT<-ugarchfit(spec=D3CPe22ged,data=datD3CPretINSA D3CPe22gedFIT
D3CPe12gedFIT<-ugarchfit(spec=D3CPe12ged,data=datD3CPretINSA D3CPe12gedFIT
D3CPe21gedFIT<-ugarchfit(spec=D3CPe21ged,data=datD3CPretINSA D3CPe21gedFIT
D3CPg11gedFIT<-ugarchfit(spec=D3CPg11ged,data=datD3CPretINSA D3CPg11gedFIT
D3CPg22gedFIT<-ugarchfit(spec=D3CPg22ged,data=datD3CPretINSA D3CPg22gedFIT
D3CPg12gedFIT<-ugarchfit(spec=D3CPg12ged,data=datD3CPretINSA D3CPg12gedFIT
D3CPg21gedFIT<-ugarchfit(spec=D3CPg21ged,data=datD3CPretINSA D3CPg21gedFIT
D3CPi11gedFIT<-ugarchfit(spec=D3CPi11ged,data=datD3CPretINSA D3CPi11gedFIT
D3CPi22gedFIT<-ugarchfit(spec=D3CPi22ged,data=datD3CPretINSA D3CPi22gedFIT
D3CPi12gedFIT<-ugarchfit(spec=D3CPi12ged,data=datD3CPretINSA D3CPi12gedFIT
D3CPi21gedFIT<-ugarchfit(spec=D3CPi21ged,data=datD3CPretINSA D3CPi21gedFIT
D3CPc11gedFIT<-ugarchfit(spec=D3CPc11ged,data=datD3CPretINSA D3CPc11gedFIT
D3CPc22gedFIT<-ugarchfit(spec=D3CPc22ged,data=datD3CPretINSA D3CPc22gedFIT
D3CPc12gedFIT<-ugarchfit(spec=D3CPc12ged,data=datD3CPretINSA D3CPc12gedFIT
D3CPc21gedFIT<-ugarchfit(spec=D3CPc21ged,data=datD3CPretINSA D3CPc21gedFIT

D3CPs11stdFIT<-ugarchfit(spec=D3CPs11std,data=datD3CPretINSA D3CPs11stdFIT
D3CPs22stdFIT<-ugarchfit(spec=D3CPs22std,data=datD3CPretINSA D3CPs22stdFIT
D3CPs12stdFIT<-ugarchfit(spec=D3CPs12std,data=datD3CPretINSA D3CPs12stdFIT
D3CPs21stdFIT<-ugarchfit(spec=D3CPs21std,data=datD3CPretINSA D3CPs21stdFIT
D3CPe11stdFIT<-ugarchfit(spec=D3CPe11std,data=datD3CPretINSA D3CPe11stdFIT
D3CPe22stdFIT<-ugarchfit(spec=D3CPe22std,data=datD3CPretINSA D3CPe22stdFIT
D3CPe12stdFIT<-ugarchfit(spec=D3CPe12std,data=datD3CPretINSA D3CPe12stdFIT
D3CPe21stdFIT<-ugarchfit(spec=D3CPe21std,data=datD3CPretINSA D3CPe21stdFIT
D3CPg11stdFIT<-ugarchfit(spec=D3CPe11std,data=datD3CPretINSA D3CPg11stdFIT
D3CPg22stdFIT<-ugarchfit(spec=D3CPe22std,data=datD3CPretINSA D3CPg22stdFIT
D3CPg12stdFIT<-ugarchfit(spec=D3CPe12std,data=datD3CPretINSA D3CPg12stdFIT
D3CPg21stdFIT<-ugarchfit(spec=D3CPe21std,data=datD3CPretINSA D3CPg21stdFIT
D3CPi11stdFIT<-ugarchfit(spec=D3CPi11std,data=datD3CPretINSA D3CPi11stdFIT
D3CPi22stdFIT<-ugarchfit(spec=D3CPi22std,data=datD3CPretINSA D3CPi22stdFIT
D3CPi12stdFIT<-ugarchfit(spec=D3CPi12std,data=datD3CPretINSA D3CPi12stdFIT
D3CPi21stdFIT<-ugarchfit(spec=D3CPi21std,data=datD3CPretINSA D3CPi21stdFIT
D3CPc11stdFIT<-ugarchfit(spec=D3CPc11std,data=datD3CPretINSA D3CPc11stdFIT
D3CPc22stdFIT<-ugarchfit(spec=D3CPc22std,data=datD3CPretINSA D3CPc22stdFIT
D3CPc12stdFIT<-ugarchfit(spec=D3CPc12std,data=datD3CPretINSA D3CPc12stdFIT
D3CPc21stdFIT<-ugarchfit(spec=D3CPc21std,data=datD3CPretINSA D3CPc21stdFIT

D3CPs11norFIT<-ugarchfit(spec=D3CPs11nor,data=datD3CPretINSA D3CPs11norFIT
D3CPs22norFIT<-ugarchfit(spec=D3CPs22nor,data=datD3CPretINSA D3CPs22norFIT
D3CPs12norFIT<-ugarchfit(spec=D3CPs12nor,data=datD3CPretINSA D3CPs12norFIT
D3CPs21norFIT<-ugarchfit(spec=D3CPs21nor,data=datD3CPretINSA D3CPs21norFIT
D3CPe11norFIT<-ugarchfit(spec=D3CPe11nor,data=datD3CPretINSA D3CPe11norFIT
D3CPe22norFIT<-ugarchfit(spec=D3CPe22nor,data=datD3CPretINSA D3CPe22norFIT
D3CPe12norFIT<-ugarchfit(spec=D3CPe12nor,data=datD3CPretINSA D3CPe12norFIT
D3CPe21norFIT<-ugarchfit(spec=D3CPe21nor,data=datD3CPretINSA D3CPe21norFIT
D3CPg11norFIT<-ugarchfit(spec=D3CPg11nor,data=datD3CPretINSA D3CPg11norFIT
D3CPg22norFIT<-ugarchfit(spec=D3CPg22nor,data=datD3CPretINSA D3CPg22norFIT
D3CPe12norFIT<-ugarchfit(spec=D3CPe12nor,data=datD3CPretINSA D3CPg12norFIT
D3CPe21norFIT<-ugarchfit(spec=D3CPe21nor,data=datD3CPretINSA D3CPg21norFIT
D3CPi11norFIT<-ugarchfit(spec=D3CPi11nor,data=datD3CPretINSA D3CPi11norFIT
D3CPi22norFIT<-ugarchfit(spec=D3CPi22nor,data=datD3CPretINSA D3CPi22norFIT
D3CPi12norFIT<-ugarchfit(spec=D3CPi12nor,data=datD3CPretINSA D3CPi12norFIT
D3CPi21norFIT<-ugarchfit(spec=D3CPi21nor,data=datD3CPretINSA D3CPi21norFIT
D3CPc11norFIT<-ugarchfit(spec=D3CPc11nor,data=datD3CPretINSA D3CPc11norFIT
D3CPc22norFIT<-ugarchfit(spec=D3CPc22nor,data=datD3CPretINSA D3CPc22norFIT
D3CPc12norFIT<-ugarchfit(spec=D3CPc12nor,data=datD3CPretINSA D3CPc12norFIT
D3CPc21norFIT<-ugarchfit(spec=D3CPc21nor,data=datD3CPretINSA D3CPc21norFIT
```

##CottonFIT

```
D3CTs11gedFIT<-ugarchfit(spec=D3CTs11ged,data=datD3CTretINSA D3CTs11gedFIT
D3CTs22gedFIT<-ugarchfit(spec=D3CTs22ged,data=datD3CTretINSA D3CTs22gedFIT
D3CTs12gedFIT<-ugarchfit(spec=D3CTs12ged,data=datD3CTretINSA D3CTs12gedFIT
D3CTs21gedFIT<-ugarchfit(spec=D3CTs21ged,data=datD3CTretINSA D3CTs21gedFIT
D3CTe11gedFIT<-ugarchfit(spec=D3CTe11ged,data=datD3CTretINSA D3CTe11gedFIT
D3CTe22gedFIT<-ugarchfit(spec=D3CTe22ged,data=datD3CTretINSA D3CTe22gedFIT
D3CTe12gedFIT<-ugarchfit(spec=D3CTe12ged,data=datD3CTretINSA D3CTe12gedFIT
D3CTe21gedFIT<-ugarchfit(spec=D3CTe21ged,data=datD3CTretINSA D3CTe21gedFIT
D3CTg11gedFIT<-ugarchfit(spec=D3CTg11ged,data=datD3CTretINSA D3CTg11gedFIT
D3CTg22gedFIT<-ugarchfit(spec=D3CTg22ged,data=datD3CTretINSA D3CTg22gedFIT
D3CTg12gedFIT<-ugarchfit(spec=D3CTg12ged,data=datD3CTretINSA D3CTg12gedFIT
D3CTg21gedFIT<-ugarchfit(spec=D3CTg21ged,data=datD3CTretINSA D3CTg21gedFIT
D3CTi11gedFIT<-ugarchfit(spec=D3CTi11ged,data=datD3CTretINSA D3CTi11gedFIT
D3CTi22gedFIT<-ugarchfit(spec=D3CTi22ged,data=datD3CTretINSA D3CTi22gedFIT
D3CTi12gedFIT<-ugarchfit(spec=D3CTi12ged,data=datD3CTretINSA D3CTi12gedFIT
D3CTi21gedFIT<-ugarchfit(spec=D3CTi21ged,data=datD3CTretINSA D3CTi21gedFIT
D3CTc11gedFIT<-ugarchfit(spec=D3CTc11ged,data=datD3CTretINSA D3CTc11gedFIT
D3CTc22gedFIT<-ugarchfit(spec=D3CTc22ged,data=datD3CTretINSA D3CTc22gedFIT
D3CTc12gedFIT<-ugarchfit(spec=D3CTc12ged,data=datD3CTretINSA D3CTc12gedFIT
D3CTc21gedFIT<-ugarchfit(spec=D3CTc21ged,data=datD3CTretINSA D3CTc21gedFIT

D3CTs11stdFIT<-ugarchfit(spec=D3CTs11std,data=datD3CTretINSA D3CTs11stdFIT
D3CTs22stdFIT<-ugarchfit(spec=D3CTs22std,data=datD3CTretINSA D3CTs22stdFIT
D3CTs12stdFIT<-ugarchfit(spec=D3CTs12std,data=datD3CTretINSA D3CTs12stdFIT
D3CTs21stdFIT<-ugarchfit(spec=D3CTs21std,data=datD3CTretINSA D3CTs21stdFIT
D3CTe11stdFIT<-ugarchfit(spec=D3CTe11std,data=datD3CTretINSA D3CTe11stdFIT
D3CTe22stdFIT<-ugarchfit(spec=D3CTe22std,data=datD3CTretINSA D3CTe22stdFIT
D3CTe12stdFIT<-ugarchfit(spec=D3CTe12std,data=datD3CTretINSA D3CTe12stdFIT
D3CTe21stdFIT<-ugarchfit(spec=D3CTe21std,data=datD3CTretINSA D3CTe21stdFIT
D3CTg11stdFIT<-ugarchfit(spec=D3CTe11std,data=datD3CTretINSA D3CTg11stdFIT
D3CTe22stdFIT<-ugarchfit(spec=D3CTe22std,data=datD3CTretINSA D3CTg22stdFIT
D3CTe12stdFIT<-ugarchfit(spec=D3CTe12std,data=datD3CTretINSA D3CTg12stdFIT
D3CTe21stdFIT<-ugarchfit(spec=D3CTe21std,data=datD3CTretINSA D3CTg21stdFIT
D3CTi11stdFIT<-ugarchfit(spec=D3CTi11std,data=datD3CTretINSA D3CTi11stdFIT
D3CTi22stdFIT<-ugarchfit(spec=D3CTi22std,data=datD3CTretINSA D3CTi22stdFIT
D3CTi12stdFIT<-ugarchfit(spec=D3CTi12std,data=datD3CTretINSA D3CTi12stdFIT
D3CTi21stdFIT<-ugarchfit(spec=D3CTi21std,data=datD3CTretINSA D3CTi21stdFIT
D3CTc11stdFIT<-ugarchfit(spec=D3CTc11std,data=datD3CTretINSA D3CTc11stdFIT
D3CTc22stdFIT<-ugarchfit(spec=D3CTc22std,data=datD3CTretINSA D3CTc22stdFIT
D3CTc12stdFIT<-ugarchfit(spec=D3CTc12std,data=datD3CTretINSA D3CTc12stdFIT
D3CTc21stdFIT<-ugarchfit(spec=D3CTc21std,data=datD3CTretINSA D3CTc21stdFIT

D3CTs11norFIT<-ugarchfit(spec=D3CTs11nor,data=datD3CTretINSA D3CTs11norFIT
D3CTs22norFIT<-ugarchfit(spec=D3CTs22nor,data=datD3CTretINSA D3CTs22norFIT
D3CTs12norFIT<-ugarchfit(spec=D3CTs12nor,data=datD3CTretINSA D3CTs12norFIT
D3CTs21norFIT<-ugarchfit(spec=D3CTs21nor,data=datD3CTretINSA D3CTs21norFIT
D3CTe11norFIT<-ugarchfit(spec=D3CTe11nor,data=datD3CTretINSA D3CTe11norFIT
D3CTe22norFIT<-ugarchfit(spec=D3CTe22nor,data=datD3CTretINSA D3CTe22norFIT
D3CTe12norFIT<-ugarchfit(spec=D3CTe12nor,data=datD3CTretINSA D3CTe12norFIT
D3CTe21norFIT<-ugarchfit(spec=D3CTe21nor,data=datD3CTretINSA D3CTe21norFIT
D3CTg11norFIT<-ugarchfit(spec=D3CTg11nor,data=datD3CTretINSA D3CTg11norFIT
D3CTg22norFIT<-ugarchfit(spec=D3CTg22nor,data=datD3CTretINSA D3CTg22norFIT
D3CTg12norFIT<-ugarchfit(spec=D3CTg12nor,data=datD3CTretINSA D3CTg12norFIT
D3CTe21norFIT<-ugarchfit(spec=D3CTe21nor,data=datD3CTretINSA D3CTg21norFIT
D3CTi11norFIT<-ugarchfit(spec=D3CTi11nor,data=datD3CTretINSA D3CTi11norFIT
D3CTi22norFIT<-ugarchfit(spec=D3CTi22nor,data=datD3CTretINSA D3CTi22norFIT
D3CTi12norFIT<-ugarchfit(spec=D3CTi12nor,data=datD3CTretINSA D3CTi12norFIT
D3CTi21norFIT<-ugarchfit(spec=D3CTi21nor,data=datD3CTretINSA D3CTi21norFIT
D3CTc11norFIT<-ugarchfit(spec=D3CTc11nor,data=datD3CTretINSA D3CTc11norFIT
D3CTc22norFIT<-ugarchfit(spec=D3CTc22nor,data=datD3CTretINSA D3CTc22norFIT
D3CTc12norFIT<-ugarchfit(spec=D3CTc12nor,data=datD3CTretINSA D3CTc12norFIT
D3CTc21norFIT<-ugarchfit(spec=D3CTc21nor,data=datD3CTretINSA D3CTc21norFIT
```

##LeadFIT

```
D3LEs11gedFIT<-ugarchfit(spec=D3LEs11ged,data=datD3LEretINSA D3LEs11gedFIT
D3LEs22gedFIT<-ugarchfit(spec=D3LEs22ged,data=datD3LEretINSA D3LEs22gedFIT
D3LEs12gedFIT<-ugarchfit(spec=D3LEs12ged,data=datD3LEretINSA D3LEs12gedFIT
D3LEs21gedFIT<-ugarchfit(spec=D3LEs21ged,data=datD3LEretINSA D3LEs21gedFIT
D3LEe11gedFIT<-ugarchfit(spec=D3LEe11ged,data=datD3LEretINSA D3LEe11gedFIT
D3LEe22gedFIT<-ugarchfit(spec=D3LEe22ged,data=datD3LEretINSA D3LEe22gedFIT
D3LEe12gedFIT<-ugarchfit(spec=D3LEe12ged,data=datD3LEretINSA D3LEe12gedFIT
D3LEe21gedFIT<-ugarchfit(spec=D3LEe21ged,data=datD3LEretINSA D3LEe21gedFIT
D3LEg11gedFIT<-ugarchfit(spec=D3LEe11ged,data=datD3LEretINSA D3LEg11gedFIT
D3LEg22gedFIT<-ugarchfit(spec=D3LEg22ged,data=datD3LEretINSA D3LEg22gedFIT
D3LEg12gedFIT<-ugarchfit(spec=D3LEg12ged,data=datD3LEretINSA D3LEg12gedFIT
D3LEg21gedFIT<-ugarchfit(spec=D3LEg21ged,data=datD3LEretINSA D3LEg21gedFIT
D3LEi11gedFIT<-ugarchfit(spec=D3LEi11ged,data=datD3LEretINSA D3LEi11gedFIT
D3LEi22gedFIT<-ugarchfit(spec=D3LEi22ged,data=datD3LEretINSA D3LEi22gedFIT
D3LEi12gedFIT<-ugarchfit(spec=D3LEi12ged,data=datD3LEretINSA D3LEi12gedFIT
D3LEi21gedFIT<-ugarchfit(spec=D3LEi21ged,data=datD3LEretINSA D3LEi21gedFIT
D3LEc11gedFIT<-ugarchfit(spec=D3LEc11ged,data=datD3LEretINSA D3LEc11gedFIT
D3LEc22gedFIT<-ugarchfit(spec=D3LEc22ged,data=datD3LEretINSA D3LEc22gedFIT
D3LEc12gedFIT<-ugarchfit(spec=D3LEc12ged,data=datD3LEretINSA D3LEc12gedFIT
D3LEc21gedFIT<-ugarchfit(spec=D3LEc21ged,data=datD3LEretINSA D3LEc21gedFIT

D3LEs11stdFIT<-ugarchfit(spec=D3LEs11std,data=datD3LEretINSA D3LEs11stdFIT
D3LEs22stdFIT<-ugarchfit(spec=D3LEs22std,data=datD3LEretINSA D3LEs22stdFIT
D3LEs12stdFIT<-ugarchfit(spec=D3LEs12std,data=datD3LEretINSA D3LEs12stdFIT
D3LEs21stdFIT<-ugarchfit(spec=D3LEs21std,data=datD3LEretINSA D3LEs21stdFIT
D3LEe11stdFIT<-ugarchfit(spec=D3LEe11std,data=datD3LEretINSA D3LEe11stdFIT
D3LEe22stdFIT<-ugarchfit(spec=D3LEe22std,data=datD3LEretINSA D3LEe22stdFIT
D3LEe12stdFIT<-ugarchfit(spec=D3LEe12std,data=datD3LEretINSA D3LEe12stdFIT
D3LEe21stdFIT<-ugarchfit(spec=D3LEe21std,data=datD3LEretINSA D3LEe21stdFIT
D3LEe11stdFIT<-ugarchfit(spec=D3LEe11std,data=datD3LEretINSA D3LEg11stdFIT
D3LEe22stdFIT<-ugarchfit(spec=D3LEe22std,data=datD3LEretINSA D3LEg22stdFIT
D3LEe12stdFIT<-ugarchfit(spec=D3LEe12std,data=datD3LEretINSA D3LEg12stdFIT
D3LEe21stdFIT<-ugarchfit(spec=D3LEe21std,data=datD3LEretINSA D3LEg21stdFIT
D3LEi11stdFIT<-ugarchfit(spec=D3LEi11std,data=datD3LEretINSA D3LEi11stdFIT
D3LEi22stdFIT<-ugarchfit(spec=D3LEi22std,data=datD3LEretINSA D3LEi22stdFIT
D3LEi12stdFIT<-ugarchfit(spec=D3LEi12std,data=datD3LEretINSA D3LEi12stdFIT
D3LEi21stdFIT<-ugarchfit(spec=D3LEi21std,data=datD3LEretINSA D3LEi21stdFIT
D3LEc11stdFIT<-ugarchfit(spec=D3LEc11std,data=datD3LEretINSA D3LEc11stdFIT
D3LEc22stdFIT<-ugarchfit(spec=D3LEc22std,data=datD3LEretINSA D3LEc22stdFIT
```

```
DJLEc12stdFIT<-ugarchfit(spec=DJLEc12std,data=datDJLEretINSA DJLEc12stdFIT
DJLEc21stdFIT<-ugarchfit(spec=DJLEc21std,data=datDJLEretINSA DJLEc21stdFIT

DJLEs11norFIT<-ugarchfit(spec=DJLEs11nor.data=datDJLEretINSA DJLEs11norFIT
DJLEs22norFIT<-ugarchfit(spec=DJLEs22nor.data=datDJLEretINSA DJLEs22norFIT
DJLEs12norFIT<-ugarchfit(spec=DJLEs12nor.data=datDJLEretINSA DJLEs12norFIT
DJLEs21norFIT<-ugarchfit(spec=DJLEs21nor.data=datDJLEretINSA DJLEs21norFIT
DJLEe11norFIT<-ugarchfit(spec=DJLEe11nor.data=datDJLEretINSA DJLEe11norFIT
DJLEe22norFIT<-ugarchfit(spec=DJLEe22nor.data=datDJLEretINSA DJLEe22norFIT
DJLEe12norFIT<-ugarchfit(spec=DJLEe12nor.data=datDJLEretINSA DJLEe12norFIT
DJLEe21norFIT<-ugarchfit(spec=DJLEe21nor.data=datDJLEretINSA DJLEe21norFIT
DJLEg11norFIT<-ugarchfit(spec=DJLEg11nor.data=datDJLEretINSA DJLEg11norFIT
DJLEg22norFIT<-ugarchfit(spec=DJLEg22nor.data=datDJLEretINSA DJLEg22norFIT
DJLEg12norFIT<-ugarchfit(spec=DJLEg12nor.data=datDJLEretINSA DJLEg12norFIT
DJLEe21norFIT<-ugarchfit(spec=DJLEe21nor.data=datDJLEretINSA DJLEg21norFIT
DJLEi11norFIT<-ugarchfit(spec=DJLEi11nor.data=datDJLEretINSA DJLEi11norFIT
DJLEi22norFIT<-ugarchfit(spec=DJLEi22nor.data=datDJLEretINSA DJLEi22norFIT
DJLEi12norFIT<-ugarchfit(spec=DJLEi12nor.data=datDJLEretINSA DJLEi12norFIT
DJLEi21norFIT<-ugarchfit(spec=DJLEi21nor.data=datDJLEretINSA DJLEi21norFIT
DJLEc11norFIT<-ugarchfit(spec=DJLEc11nor.data=datDJLEretINSA DJLEc11norFIT
DJLEc22norFIT<-ugarchfit(spec=DJLEc22nor.data=datDJLEretINSA DJLEc22norFIT
DJLEc12norFIT<-ugarchfit(spec=DJLEc12nor.data=datDJLEretINSA DJLEc12norFIT
DJLEc21norFIT<-ugarchfit(spec=DJLEc21nor.data=datDJLEretINSA DJLEc21norFIT
```

##GoldFIT

```
DJGOs11gedFIT<-ugarchfit(spec=DJGOs11ged,data=datDJGOretINSA DJGOs11gedFIT
DJGOs22gedFIT<-ugarchfit(spec=DJGOs22ged,data=datDJGOretINSA DJGOs22gedFIT
DJGOs12gedFIT<-ugarchfit(spec=DJGOs12ged.data=datDJGOretINSA DJGOs12gedFIT
DJGOs21gedFIT<-ugarchfit(spec=DJGOs21ged.data=datDJGOretINSA DJGOs21gedFIT
DJGOe11gedFIT<-ugarchfit(spec=DJGOe11ged.data=datDJGOretINSA DJGOe11gedFIT
DJGOe22gedFIT<-ugarchfit(spec=DJGOe22ged.data=datDJGOretINSA DJGOe22gedFIT
DJGOe12gedFIT<-ugarchfit(spec=DJGOe12ged.data=datDJGOretINSA DJGOe12gedFIT
DJGOe21gedFIT<-ugarchfit(spec=DJGOe21ged.data=datDJGOretINSA DJGOe21gedFIT
DJGOe11gedFIT<-ugarchfit(spec=DJGOe11ged.data=datDJGOretINSA DJGOg11gedFIT
DJGOg22gedFIT<-ugarchfit(spec=DJGOg22ged,data=datDJGOretINSA DJGOg22gedFIT
DJGOg12gedFIT<-ugarchfit(spec=DJGOg12ged,data=datDJGOretINSA DJGOg12gedFIT
DJGOg21gedFIT<-ugarchfit(spec=DJGOg21ged,data=datDJGOretINSA DJGOg21gedFIT
DJGOi11gedFIT<-ugarchfit(spec=DJGOi11ged,data=datDJGOretINSA DJGOi11gedFIT
DJGOi22gedFIT<-ugarchfit(spec=DJGOi22ged,data=datDJGOretINSA DJGOi22gedFIT
DJGOi12gedFIT<-ugarchfit(spec=DJGOi12ged,data=datDJGOretINSA DJGOi12gedFIT
DJGOi21gedFIT<-ugarchfit(spec=DJGOi21ged,data=datDJGOretINSA DJGOi21gedFIT
DJGOc11gedFIT<-ugarchfit(spec=DJGOc11ged,data=datDJGOretINSA DJGOc11gedFIT
DJGOc22gedFIT<-ugarchfit(spec=DJGOc22ged,data=datDJGOretINSA DJGOc22gedFIT
DJGOc12gedFIT<-ugarchfit(spec=DJGOc12ged,data=datDJGOretINSA DJGOc12gedFIT
DJGOc21gedFIT<-ugarchfit(spec=DJGOc21ged,data=datDJGOretINSA DJGOc21gedFIT

DJGOs11stdFIT<-ugarchfit(spec=DJGOs11std.data=datDJGOretINSA DJGOs11stdFIT
DJGOs22stdFIT<-ugarchfit(spec=DJGOs22std,data=datDJGOretINSA DJGOs22stdFIT
DJGOs12stdFIT<-ugarchfit(spec=DJGOs12std,data=datDJGOretINSA DJGOs12stdFIT
DJGOs21stdFIT<-ugarchfit(spec=DJGOs21std,data=datDJGOretINSA DJGOs21stdFIT
DJGOe11stdFIT<-ugarchfit(spec=DJGOe11std,data=datDJGOretINSA DJGOe11stdFIT
DJGOe22stdFIT<-ugarchfit(spec=DJGOe22std,data=datDJGOretINSA DJGOe22stdFIT
DJGOe12stdFIT<-ugarchfit(spec=DJGOe12std,data=datDJGOretINSA DJGOe12stdFIT
DJGOe21stdFIT<-ugarchfit(spec=DJGOe21std,data=datDJGOretINSA DJGOe21stdFIT
DJGOe11stdFIT<-ugarchfit(spec=DJGOe11std.data=datDJGOretINSA DJGOg11stdFIT
DJGOe22stdFIT<-ugarchfit(spec=DJGOe22std.data=datDJGOretINSA DJGOg22stdFIT
DJGOe12stdFIT<-ugarchfit(spec=DJGOe12std.data=datDJGOretINSA DJGOg12stdFIT
DJGOe21stdFIT<-ugarchfit(spec=DJGOe21std.data=datDJGOretINSA DJGOg21stdFIT
DJGOi11stdFIT<-ugarchfit(spec=DJGOi11std.data=datDJGOretINSA DJGOi11stdFIT
DJGOi22stdFIT<-ugarchfit(spec=DJGOi22std.data=datDJGOretINSA DJGOi22stdFIT
DJGOi12stdFIT<-ugarchfit(spec=DJGOi12std.data=datDJGOretINSA DJGOi12stdFIT
DJGOi21stdFIT<-ugarchfit(spec=DJGOi21std.data=datDJGOretINSA DJGOi21stdFIT
DJGOc11stdFIT<-ugarchfit(spec=DJGOc11std,data=datDJGOretINSA DJGOc11stdFIT
DJGOc22stdFIT<-ugarchfit(spec=DJGOc22std,data=datDJGOretINSA DJGOc22stdFIT
DJGOc12stdFIT<-ugarchfit(spec=DJGOc12std,data=datDJGOretINSA DJGOc12stdFIT
DJGOc21stdFIT<-ugarchfit(spec=DJGOc21std,data=datDJGOretINSA DJGOc21stdFIT

DJGOs11norFIT<-ugarchfit(spec=DJGOs11nor.data=datDJGOretINSA DJGOs11norFIT
DJGOs22norFIT<-ugarchfit(spec=DJGOs22nor.data=datDJGOretINSA DJGOs22norFIT
DJGOs12norFIT<-ugarchfit(spec=DJGOs12nor.data=datDJGOretINSA DJGOs12norFIT
DJGOs21norFIT<-ugarchfit(spec=DJGOs21nor.data=datDJGOretINSA DJGOs21norFIT
DJGOe11norFIT<-ugarchfit(spec=DJGOe11nor.data=datDJGOretINSA DJGOe11norFIT
DJGOe22norFIT<-ugarchfit(spec=DJGOe22nor.data=datDJGOretINSA DJGOe22norFIT
DJGOe12norFIT<-ugarchfit(spec=DJGOe12nor.data=datDJGOretINSA DJGOe12norFIT
DJGOe21norFIT<-ugarchfit(spec=DJGOe21nor.data=datDJGOretINSA DJGOe21norFIT
DJGOg11norFIT<-ugarchfit(spec=DJGOg11nor.data=datDJGOretINSA DJGOg11norFIT
DJGOg22norFIT<-ugarchfit(spec=DJGOg22nor.data=datDJGOretINSA DJGOg22norFIT
DJGOg12norFIT<-ugarchfit(spec=DJGOg12nor.data=datDJGOretINSA DJGOg12norFIT
DJGOg21norFIT<-ugarchfit(spec=DJGOg21nor.data=datDJGOretINSA DJGOg21norFIT
DJGOi11norFIT<-ugarchfit(spec=DJGOi11nor.data=datDJGOretINSA DJGOi11norFIT
DJGOi22norFIT<-ugarchfit(spec=DJGOi22nor.data=datDJGOretINSA DJGOi22norFIT
DJGOi12norFIT<-ugarchfit(spec=DJGOi12nor.data=datDJGOretINSA DJGOi12norFIT
DJGOi21norFIT<-ugarchfit(spec=DJGOi21nor.data=datDJGOretINSA DJGOi21norFIT
DJGOc11norFIT<-ugarchfit(spec=DJGOc11nor.data=datDJGOretINSA DJGOc11norFIT
DJGOc22norFIT<-ugarchfit(spec=DJGOc22nor.data=datDJGOretINSA DJGOc22norFIT
DJGOc12norFIT<-ugarchfit(spec=DJGOc12nor.data=datDJGOretINSA DJGOc12norFIT
DJGOc21norFIT<-ugarchfit(spec=DJGOc21nor.data=datDJGOretINSA DJGOc21norFIT
```

##NickelFIT

```
DJNIs11gedFIT<-ugarchfit(spec=DJNIs11ged,data=datDJNIretINSA DJNIs11gedFIT
DJNIs22gedFIT<-ugarchfit(spec=DJNIs22ged,data=datDJNIretINSA DJNIs22gedFIT
DJNIs12gedFIT<-ugarchfit(spec=DJNIs12ged,data=datDJNIretINSA DJNIs12gedFIT
DJNIs21gedFIT<-ugarchfit(spec=DJNIs21ged,data=datDJNIretINSA DJNIs21gedFIT
DJNIe11gedFIT<-ugarchfit(spec=DJNIe11ged.data=datDJNIretINSA DJNIe11gedFIT
DJNIe22gedFIT<-ugarchfit(spec=DJNIe22ged.data=datDJNIretINSA DJNIe22gedFIT
DJNIe12gedFIT<-ugarchfit(spec=DJNIe12ged.data=datDJNIretINSA DJNIe12gedFIT
DJNIe21gedFIT<-ugarchfit(spec=DJNIe21ged.data=datDJNIretINSA DJNIe21gedFIT
DJNIe11gedFIT<-ugarchfit(spec=DJNIe11ged.data=datDJNIretINSA DJNIg11gedFIT
DJNIe22gedFIT<-ugarchfit(spec=DJNIe22ged.data=datDJNIretINSA DJNIg22gedFIT
DJNIg12gedFIT<-ugarchfit(spec=DJNIg12ged,data=datDJNIretINSA DJNIg12gedFIT
DJNIg21gedFIT<-ugarchfit(spec=DJNIg21ged,data=datDJNIretINSA DJNIg21gedFIT
DJNIi11gedFIT<-ugarchfit(spec=DJNIi11ged,data=datDJNIretINSA DJNIi11gedFIT
DJNIi22gedFIT<-ugarchfit(spec=DJNIi22ged,data=datDJNIretINSA DJNIi22gedFIT
DJNIi12gedFIT<-ugarchfit(spec=DJNIi12ged,data=datDJNIretINSA DJNIi12gedFIT
DJNIi21gedFIT<-ugarchfit(spec=DJNIi21ged,data=datDJNIretINSA DJNIi21gedFIT
DJNIc11gedFIT<-ugarchfit(spec=DJNIc11ged,data=datDJNIretINSA DJNIc11gedFIT
DJNIc22gedFIT<-ugarchfit(spec=DJNIc22ged,data=datDJNIretINSA DJNIc22gedFIT
DJNIc12gedFIT<-ugarchfit(spec=DJNIc12ged,data=datDJNIretINSA DJNIc12gedFIT
DJNIc21gedFIT<-ugarchfit(spec=DJNIc21ged,data=datDJNIretINSA DJNIc21gedFIT

DJNIs11stdFIT<-ugarchfit(spec=DJNIs11std.data=datDJNIretINSA DJNIs11stdFIT
DJNIs22stdFIT<-ugarchfit(spec=DJNIs22std,data=datDJNIretINSA DJNIs22stdFIT
DJNIs12stdFIT<-ugarchfit(spec=DJNIs12std,data=datDJNIretINSA DJNIs12stdFIT
DJNIs21stdFIT<-ugarchfit(spec=DJNIs21std,data=datDJNIretINSA DJNIs21stdFIT
DJNIe11stdFIT<-ugarchfit(spec=DJNIe11std,data=datDJNIretINSA DJNIe11stdFIT
DJNIe22stdFIT<-ugarchfit(spec=DJNIe22std,data=datDJNIretINSA DJNIe22stdFIT
DJNIe12stdFIT<-ugarchfit(spec=DJNIe12std,data=datDJNIretINSA DJNIe12stdFIT
DJNIe21stdFIT<-ugarchfit(spec=DJNIe21std,data=datDJNIretINSA DJNIe21stdFIT
DJNIg11stdFIT<-ugarchfit(spec=DJNIg11std,data=datDJNIretINSA DJNIg11stdFIT
DJNIe22stdFIT<-ugarchfit(spec=DJNIe22std,data=datDJNIretINSA DJNIg22stdFIT
DJNIe12stdFIT<-ugarchfit(spec=DJNIe12std.data=datDJNIretINSA DJNIg12stdFIT
DJNIe21stdFIT<-ugarchfit(spec=DJNIe21std.data=datDJNIretINSA DJNIg21stdFIT
DJNIi11stdFIT<-ugarchfit(spec=DJNIi11std.data=datDJNIretINSA DJNIi11stdFIT
DJNIi22stdFIT<-ugarchfit(spec=DJNIi22std.data=datDJNIretINSA DJNIi22stdFIT
DJNIi12stdFIT<-ugarchfit(spec=DJNIi12std.data=datDJNIretINSA DJNIi12stdFIT
DJNIi21stdFIT<-ugarchfit(spec=DJNIi21std.data=datDJNIretINSA DJNIi21stdFIT
DJNIc11stdFIT<-ugarchfit(spec=DJNIc11std,data=datDJNIretINSA DJNIc11stdFIT
DJNIc22stdFIT<-ugarchfit(spec=DJNIc22std,data=datDJNIretINSA DJNIc22stdFIT
DJNIc12stdFIT<-ugarchfit(spec=DJNIc12std,data=datDJNIretINSA DJNIc12stdFIT
DJNIc21stdFIT<-ugarchfit(spec=DJNIc21std,data=datDJNIretINSA DJNIc21stdFIT

DJNIs11norFIT<-ugarchfit(spec=DJNIs11nor.data=datDJNIretINSA DJNIs11norFIT
DJNIs22norFIT<-ugarchfit(spec=DJNIs22nor.data=datDJNIretINSA DJNIs22norFIT
DJNIs12norFIT<-ugarchfit(spec=DJNIs12nor.data=datDJNIretINSA DJNIs12norFIT
DJNIs21norFIT<-ugarchfit(spec=DJNIs21nor.data=datDJNIretINSA DJNIs21norFIT
DJNIe11norFIT<-ugarchfit(spec=DJNIe11nor.data=datDJNIretINSA DJNIe11norFIT
DJNIe22norFIT<-ugarchfit(spec=DJNIe22nor.data=datDJNIretINSA DJNIe22norFIT
DJNIe12norFIT<-ugarchfit(spec=DJNIe12nor.data=datDJNIretINSA DJNIe12norFIT
DJNIe21norFIT<-ugarchfit(spec=DJNIe21nor.data=datDJNIretINSA DJNIe21norFIT
DJNIg11norFIT<-ugarchfit(spec=DJNIg11nor.data=datDJNIretINSA DJNIg11norFIT
DJNIg22norFIT<-ugarchfit(spec=DJNIg22nor.data=datDJNIretINSA DJNIg22norFIT
DJNIg12norFIT<-ugarchfit(spec=DJNIg12nor.data=datDJNIretINSA DJNIg12norFIT
DJNIg21norFIT<-ugarchfit(spec=DJNIg21nor.data=datDJNIretINSA DJNIg21norFIT
DJNIi11norFIT<-ugarchfit(spec=DJNIi11nor.data=datDJNIretINSA DJNIi11norFIT
DJNIi22norFIT<-ugarchfit(spec=DJNIi22nor.data=datDJNIretINSA DJNIi22norFIT
DJNIi12norFIT<-ugarchfit(spec=DJNIi12nor.data=datDJNIretINSA DJNIi12norFIT
DJNIi21norFIT<-ugarchfit(spec=DJNIi21nor.data=datDJNIretINSA DJNIi21norFIT
DJNIc11norFIT<-ugarchfit(spec=DJNIc11nor.data=datDJNIretINSA DJNIc11norFIT
DJNIc22norFIT<-ugarchfit(spec=DJNIc22nor.data=datDJNIretINSA DJNIc22norFIT
DJNIc12norFIT<-ugarchfit(spec=DJNIc12nor.data=datDJNIretINSA DJNIc12norFIT
DJNIc21norFIT<-ugarchfit(spec=DJNIc21nor.data=datDJNIretINSA DJNIc21norFIT
```

##SilverFIT

```
DJSIs11gedFIT<-ugarchfit(spec=DJSIs11ged,data=datDJSIretINSA DJSIs11gedFIT
DJSIs22gedFIT<-ugarchfit(spec=DJSIs22ged,data=datDJSIretINSA DJSIs22gedFIT
DJSIs12gedFIT<-ugarchfit(spec=DJSIs12ged,data=datDJSIretINSA DJSIs12gedFIT
DJSIs21gedFIT<-ugarchfit(spec=DJSIs21ged,data=datDJSIretINSA DJSIs21gedFIT
DJSIe11gedFIT<-ugarchfit(spec=DJSIe11ged,data=datDJSIretINSA DJSIe11gedFIT
DJSIe22gedFIT<-ugarchfit(spec=DJSIe22ged.data=datDJSIretINSA DJSIe22gedFIT
DJSIe12gedFIT<-ugarchfit(spec=DJSIe12ged.data=datDJSIretINSA DJSIe12gedFIT
DJSIe21gedFIT<-ugarchfit(spec=DJSIe21ged.data=datDJSIretINSA DJSIe21gedFIT
DJSIe11gedFIT<-ugarchfit(spec=DJSIe11ged.data=datDJSIretINSA DJSIg11gedFIT
DJSIe22gedFIT<-ugarchfit(spec=DJSIe22ged.data=datDJSIretINSA DJSIg22gedFIT
DJSIe12gedFIT<-ugarchfit(spec=DJSIe12ged.data=datDJSIretINSA DJSIg12gedFIT
DJSIe21gedFIT<-ugarchfit(spec=DJSIe21ged.data=datDJSIretINSA DJSIg21gedFIT
DJSIi11gedFIT<-ugarchfit(spec=DJSIi11ged,data=datDJSIretINSA DJSIi11gedFIT
DJSIi12gedFIT<-ugarchfit(spec=DJSIi12ged,data=datDJSIretINSA DJSIi12gedFIT
DJSIi22gedFIT<-ugarchfit(spec=DJSIi22ged,data=datDJSIretINSA DJSIi22gedFIT
DJSIi21gedFIT<-ugarchfit(spec=DJSIi21ged,data=datDJSIretINSA DJSIi21gedFIT
DJSIc11gedFIT<-ugarchfit(spec=DJSIc11ged,data=datDJSIretINSA DJSIc11gedFIT
DJSIc22gedFIT<-ugarchfit(spec=DJSIc22ged,data=datDJSIretINSA DJSIc22gedFIT
DJSIc12gedFIT<-ugarchfit(spec=DJSIc12ged,data=datDJSIretINSA DJSIc12gedFIT
DJSIc21gedFIT<-ugarchfit(spec=DJSIc21ged.data=datDJSIretINSA DJSIc21gedFIT

DJSIs11stdFIT<-ugarchfit(spec=DJSIs11std.data=datDJSIretINSA DJSIs11stdFIT
DJSIs22stdFIT<-ugarchfit(spec=DJSIs22std.data=datDJSIretINSA DJSIs22stdFIT
DJSIs12stdFIT<-ugarchfit(spec=DJSIs12std.data=datDJSIretINSA DJSIs12stdFIT
DJSIs21stdFIT<-ugarchfit(spec=DJSIs21std.data=datDJSIretINSA DJSIs21stdFIT
DJSIe11stdFIT<-ugarchfit(spec=DJSIe11std.data=datDJSIretINSA DJSIe11stdFIT
DJSIe22stdFIT<-ugarchfit(spec=DJSIe22std.data=datDJSIretINSA DJSIe22stdFIT
DJSIe12stdFIT<-ugarchfit(spec=DJSIe12std.data=datDJSIretINSA DJSIe12stdFIT
DJSIe21stdFIT<-ugarchfit(spec=DJSIe21std.data=datDJSIretINSA DJSIe21stdFIT
DJSIg11stdFIT<-ugarchfit(spec=DJSIg11std.data=datDJSIretINSA DJSIg11stdFIT
DJSIg22stdFIT<-ugarchfit(spec=DJSIg22std.data=datDJSIretINSA DJSIg22stdFIT
DJSIg12stdFIT<-ugarchfit(spec=DJSIg12std.data=datDJSIretINSA DJSIg12stdFIT
DJSIe21stdFIT<-ugarchfit(spec=DJSIe21std.data=datDJSIretINSA DJSIg21stdFIT
DJSIi11stdFIT<-ugarchfit(spec=DJSIi11std.data=datDJSIretINSA DJSIi11stdFIT
DJSIi22stdFIT<-ugarchfit(spec=DJSIi22std.data=datDJSIretINSA DJSIi22stdFIT
DJSIi12stdFIT<-ugarchfit(spec=DJSIi12std.data=datDJSIretINSA DJSIi12stdFIT
DJSIi21stdFIT<-ugarchfit(spec=DJSIi21std.data=datDJSIretINSA DJSIi21stdFIT
DJSIc11stdFIT<-ugarchfit(spec=DJSIc11std.data=datDJSIretINSA DJSIc11stdFIT
DJSIc22stdFIT<-ugarchfit(spec=DJSIc22std.data=datDJSIretINSA DJSIc22stdFIT
DJSIc12stdFIT<-ugarchfit(spec=DJSIc12std,data=datDJSIretINSA DJSIc12stdFIT
DJSIc21stdFIT<-ugarchfit(spec=DJSIc21std,data=datDJSIretINSA DJSIc21stdFIT
```

```
DJSIs11norFIT<-ugarchfit(spec=DJSIs11nor,data=datDJSIretINSA DJSIs11norFIT
DJSIs22norFIT<-ugarchfit(spec=DJSIs22nor,data=datDJSIretINSA DJSIs22norFIT
DJSIs12norFIT<-ugarchfit(spec=DJSIs12nor,data=datDJSIretINSA DJSIs12norFIT
DJSIs21norFIT<-ugarchfit(spec=DJSIs21nor,data=datDJSIretINSA DJSIs21norFIT
DJSIe11norFIT<-ugarchfit(spec=DJSIe11nor,data=datDJSIretINSA DJSIe11norFIT
DJSIe22norFIT<-ugarchfit(spec=DJSIe22nor,data=datDJSIretINSA DJSIe22norFIT
DJSIe12norFIT<-ugarchfit(spec=DJSIe12nor,data=datDJSIretINSA DJSIe12norFIT
DJSIe21norFIT<-ugarchfit(spec=DJSIe21nor,data=datDJSIretINSA DJSIe21norFIT
DJSIg11norFIT<-ugarchfit(spec=DJSIg11nor,data=datDJSIretINSA DJSIg11norFIT
DJSIg22norFIT<-ugarchfit(spec=DJSIg22nor,data=datDJSIretINSA DJSIg22norFIT
DJSIg12norFIT<-ugarchfit(spec=DJSIg12nor,data=datDJSIretINSA DJSIg12norFIT
DJSIg21norFIT<-ugarchfit(spec=DJSIg21nor,data=datDJSIretINSA DJSIg21norFIT
DJSIi11norFIT<-ugarchfit(spec=DJSIi11nor,data=datDJSIretINSA DJSIi11norFIT
DJSIi22norFIT<-ugarchfit(spec=DJSIi22nor,data=datDJSIretINSA DJSIi22norFIT
DJSIi12norFIT<-ugarchfit(spec=DJSIi12nor,data=datDJSIretINSA DJSIi12norFIT
DJSIi21norFIT<-ugarchfit(spec=DJSIi21nor,data=datDJSIretINSA DJSIi21norFIT
DJSIc11norFIT<-ugarchfit(spec=DJSIc11nor,data=datDJSIretINSA DJSIc11norFIT
DJSIc22norFIT<-ugarchfit(spec=DJSIc22nor,data=datDJSIretINSA DJSIc22norFIT
DJSIc12norFIT<-ugarchfit(spec=DJSIc12nor,data=datDJSIretINSA DJSIc12norFIT
DJSIc21norFIT<-ugarchfit(spec=DJSIc21nor,data=datDJSIretINSA DJSIc21norFIT
```

##SugarFIT

```
DJSUs11gedFIT<-ugarchfit(spec=DJSUs11ged,data=datDJSUretINSA DJSUs11gedFIT
DJSUs22gedFIT<-ugarchfit(spec=DJSUs22ged,data=datDJSUretINSA DJSUs22gedFIT
DJSUs12gedFIT<-ugarchfit(spec=DJSUs12ged,data=datDJSUretINSA DJSUs12gedFIT
DJSUs21gedFIT<-ugarchfit(spec=DJSUs21ged,data=datDJSUretINSA DJSUs21gedFIT
DJSUe11gedFIT<-ugarchfit(spec=DJSUe11ged,data=datDJSUretINSA DJSUe11gedFIT
DJSUe22gedFIT<-ugarchfit(spec=DJSUe22ged,data=datDJSUretINSA DJSUe22gedFIT
DJSUe12gedFIT<-ugarchfit(spec=DJSUe12ged,data=datDJSUretINSA DJSUe12gedFIT
DJSUe21gedFIT<-ugarchfit(spec=DJSUe21ged,data=datDJSUretINSA DJSUe21gedFIT
DJSUg11gedFIT<-ugarchfit(spec=DJSUg11ged,data=datDJSUretINSA DJSUg11gedFIT
DJSUg22gedFIT<-ugarchfit(spec=DJSUg22ged,data=datDJSUretINSA DJSUg22gedFIT
DJSUg12gedFIT<-ugarchfit(spec=DJSUg12ged,data=datDJSUretINSA DJSUg12gedFIT
DJSUg21gedFIT<-ugarchfit(spec=DJSUg21ged,data=datDJSUretINSA DJSUg21gedFIT
DJSUi11gedFIT<-ugarchfit(spec=DJSUi11ged,data=datDJSUretINSA DJSUi11gedFIT
DJSUi22gedFIT<-ugarchfit(spec=DJSUi22ged,data=datDJSUretINSA DJSUi22gedFIT
DJSUi12gedFIT<-ugarchfit(spec=DJSUi12ged,data=datDJSUretINSA DJSUi12gedFIT
DJSUi21gedFIT<-ugarchfit(spec=DJSUi21ged,data=datDJSUretINSA DJSUi21gedFIT
DJSUc11gedFIT<-ugarchfit(spec=DJSUc11ged,data=datDJSUretINSA DJSUc11gedFIT
DJSUc22gedFIT<-ugarchfit(spec=DJSUc22ged,data=datDJSUretINSA DJSUc22gedFIT
DJSUc12gedFIT<-ugarchfit(spec=DJSUc12ged,data=datDJSUretINSA DJSUc12gedFIT
DJSUc21gedFIT<-ugarchfit(spec=DJSUc21ged,data=datDJSUretINSA DJSUc21gedFIT

DJSUs11stdFIT<-ugarchfit(spec=DJSUs11std,data=datDJSUretINSA DJSUs11stdFIT
DJSUs22stdFIT<-ugarchfit(spec=DJSUs22std,data=datDJSUretINSA DJSUs22stdFIT
DJSUs12stdFIT<-ugarchfit(spec=DJSUs12std,data=datDJSUretINSA DJSUs12stdFIT
DJSUs21stdFIT<-ugarchfit(spec=DJSUs21std,data=datDJSUretINSA DJSUs21stdFIT
DJSUe11stdFIT<-ugarchfit(spec=DJSUe11std,data=datDJSUretINSA DJSUe11stdFIT
DJSUe22stdFIT<-ugarchfit(spec=DJSUe22std,data=datDJSUretINSA DJSUe22stdFIT
DJSUe12stdFIT<-ugarchfit(spec=DJSUe12std,data=datDJSUretINSA DJSUe12stdFIT
DJSUe21stdFIT<-ugarchfit(spec=DJSUe21std,data=datDJSUretINSA DJSUe21stdFIT
DJSUg11stdFIT<-ugarchfit(spec=DJSUg11std,data=datDJSUretINSA DJSUg11stdFIT
DJSUg22stdFIT<-ugarchfit(spec=DJSUg22std,data=datDJSUretINSA DJSUg22stdFIT
DJSUg12stdFIT<-ugarchfit(spec=DJSUg12std,data=datDJSUretINSA DJSUg12stdFIT
DJSUg21stdFIT<-ugarchfit(spec=DJSUg21std,data=datDJSUretINSA DJSUg21stdFIT
DJSUi11stdFIT<-ugarchfit(spec=DJSUi11std,data=datDJSUretINSA DJSUi11stdFIT
DJSUi22stdFIT<-ugarchfit(spec=DJSUi22std,data=datDJSUretINSA DJSUi22stdFIT
DJSUi12stdFIT<-ugarchfit(spec=DJSUi12std,data=datDJSUretINSA DJSUi12stdFIT
DJSUi21stdFIT<-ugarchfit(spec=DJSUi21std,data=datDJSUretINSA DJSUi21stdFIT
DJSUc11stdFIT<-ugarchfit(spec=DJSUc11std,data=datDJSUretINSA DJSUc11stdFIT
DJSUc22stdFIT<-ugarchfit(spec=DJSUc22std,data=datDJSUretINSA DJSUc22stdFIT
DJSUc12stdFIT<-ugarchfit(spec=DJSUc12std,data=datDJSUretINSA DJSUc12stdFIT
DJSUc21stdFIT<-ugarchfit(spec=DJSUc21std,data=datDJSUretINSA DJSUc21stdFIT

DJSUs11norFIT<-ugarchfit(spec=DJSUs11nor,data=datDJSUretINSA DJSUs11norFIT
DJSUs22norFIT<-ugarchfit(spec=DJSUs22nor,data=datDJSUretINSA DJSUs22norFIT
DJSUs12norFIT<-ugarchfit(spec=DJSUs12nor,data=datDJSUretINSA DJSUs12norFIT
DJSUs21norFIT<-ugarchfit(spec=DJSUs21nor,data=datDJSUretINSA DJSUs21norFIT
DJSUe11norFIT<-ugarchfit(spec=DJSUe11nor,data=datDJSUretINSA DJSUe11norFIT
DJSUe22norFIT<-ugarchfit(spec=DJSUe22nor,data=datDJSUretINSA DJSUe22norFIT
DJSUe12norFIT<-ugarchfit(spec=DJSUe12nor,data=datDJSUretINSA DJSUe12norFIT
DJSUe21norFIT<-ugarchfit(spec=DJSUe21nor,data=datDJSUretINSA DJSUe21norFIT
DJSUg11norFIT<-ugarchfit(spec=DJSUg11nor,data=datDJSUretINSA DJSUg11norFIT
DJSUg22norFIT<-ugarchfit(spec=DJSUg22nor,data=datDJSUretINSA DJSUg22norFIT
DJSUg12norFIT<-ugarchfit(spec=DJSUg12nor,data=datDJSUretINSA DJSUg12norFIT
DJSUg21norFIT<-ugarchfit(spec=DJSUg21nor,data=datDJSUretINSA DJSUg21norFIT
DJSUi11norFIT<-ugarchfit(spec=DJSUi11nor,data=datDJSUretINSA DJSUi11norFIT
DJSUi22norFIT<-ugarchfit(spec=DJSUi22nor,data=datDJSUretINSA DJSUi22norFIT
DJSUi12norFIT<-ugarchfit(spec=DJSUi12nor,data=datDJSUretINSA DJSUi12norFIT
DJSUi21norFIT<-ugarchfit(spec=DJSUi21nor,data=datDJSUretINSA DJSUi21norFIT
DJSUc11norFIT<-ugarchfit(spec=DJSUc11nor,data=datDJSUretINSA DJSUc11norFIT
DJSUc22norFIT<-ugarchfit(spec=DJSUc22nor,data=datDJSUretINSA DJSUc22norFIT
DJSUc12norFIT<-ugarchfit(spec=DJSUc12nor,data=datDJSUretINSA DJSUc12norFIT
DJSUc21norFIT<-ugarchfit(spec=DJSUc21nor,data=datDJSUretINSA DJSUc21norFIT
```

##WheatFIT

```
DJWEs11gedFIT<-ugarchfit(spec=DJWEs11ged,data=datDJWEretINSA DJWEs11gedFIT
DJWEs22gedFIT<-ugarchfit(spec=DJWEs22ged,data=datDJWEretINSA DJWEs22gedFIT
DJWEs12gedFIT<-ugarchfit(spec=DJWEs12ged,data=datDJWEretINSA DJWEs12gedFIT
DJWEs21gedFIT<-ugarchfit(spec=DJWEs21ged,data=datDJWEretINSA DJWEs21gedFIT
DJWEe11gedFIT<-ugarchfit(spec=DJWEe11ged,data=datDJWEretINSA DJWEe11gedFIT
DJWEe22gedFIT<-ugarchfit(spec=DJWEe22ged,data=datDJWEretINSA DJWEe22gedFIT
DJWEe12gedFIT<-ugarchfit(spec=DJWEe12ged,data=datDJWEretINSA DJWEe12gedFIT
DJWEe21gedFIT<-ugarchfit(spec=DJWEe21ged,data=datDJWEretINSA DJWEe21gedFIT
DJWEg11gedFIT<-ugarchfit(spec=DJWEg11ged,data=datDJWEretINSA DJWEg11gedFIT
DJWEg22gedFIT<-ugarchfit(spec=DJWEg22ged,data=datDJWEretINSA DJWEg22gedFIT
DJWEg12gedFIT<-ugarchfit(spec=DJWEg12ged,data=datDJWEretINSA DJWEg12gedFIT
DJWEg21gedFIT<-ugarchfit(spec=DJWEg21ged,data=datDJWEretINSA DJWEg21gedFIT
DJWEi11gedFIT<-ugarchfit(spec=DJWEi11ged,data=datDJWEretINSA DJWEi11gedFIT
DJWEi22gedFIT<-ugarchfit(spec=DJWEi22ged,data=datDJWEretINSA DJWEi22gedFIT
DJWEi12gedFIT<-ugarchfit(spec=DJWEi12ged,data=datDJWEretINSA DJWEi12gedFIT
DJWEi21gedFIT<-ugarchfit(spec=DJWEi21ged,data=datDJWEretINSA DJWEi21gedFIT
DJWEc11gedFIT<-ugarchfit(spec=DJWEc11ged,data=datDJWEretINSA DJWEc11gedFIT
DJWEc22gedFIT<-ugarchfit(spec=DJWEc22ged,data=datDJWEretINSA DJWEc22gedFIT
DJWEc12gedFIT<-ugarchfit(spec=DJWEc12ged,data=datDJWEretINSA DJWEc12gedFIT
DJWEc21gedFIT<-ugarchfit(spec=DJWEc21ged,data=datDJWEretINSA DJWEc21gedFIT

DJWEs11stdFIT<-ugarchfit(spec=DJWEs11std,data=datDJWEretINSA DJWEs11stdFIT
DJWEs22stdFIT<-ugarchfit(spec=DJWEs22std,data=datDJWEretINSA DJWEs22stdFIT
DJWEs12stdFIT<-ugarchfit(spec=DJWEs12std,data=datDJWEretINSA DJWEs12stdFIT
DJWEs21stdFIT<-ugarchfit(spec=DJWEs21std,data=datDJWEretINSA DJWEs21stdFIT
DJWEe11stdFIT<-ugarchfit(spec=DJWEe11std,data=datDJWEretINSA DJWEe11stdFIT
DJWEe22stdFIT<-ugarchfit(spec=DJWEe22std,data=datDJWEretINSA DJWEe22stdFIT
DJWEe12stdFIT<-ugarchfit(spec=DJWEe12std,data=datDJWEretINSA DJWEe12stdFIT
DJWEe21stdFIT<-ugarchfit(spec=DJWEe21std,data=datDJWEretINSA DJWEe21stdFIT
DJWEg11stdFIT<-ugarchfit(spec=DJWEg11std,data=datDJWEretINSA DJWEg11stdFIT
DJWEg22stdFIT<-ugarchfit(spec=DJWEg22std,data=datDJWEretINSA DJWEg22stdFIT
DJWEg12stdFIT<-ugarchfit(spec=DJWEg12std,data=datDJWEretINSA DJWEg12stdFIT
DJWEg21stdFIT<-ugarchfit(spec=DJWEg21std,data=datDJWEretINSA DJWEg21stdFIT
DJWEi11stdFIT<-ugarchfit(spec=DJWEi11std,data=datDJWEretINSA DJWEi11stdFIT
DJWEi22stdFIT<-ugarchfit(spec=DJWEi22std,data=datDJWEretINSA DJWEi22stdFIT
DJWEi12stdFIT<-ugarchfit(spec=DJWEi12std,data=datDJWEretINSA DJWEi12stdFIT
DJWEi21stdFIT<-ugarchfit(spec=DJWEi21std,data=datDJWEretINSA DJWEi21stdFIT
DJWEc11stdFIT<-ugarchfit(spec=DJWEc11std,data=datDJWEretINSA DJWEc11stdFIT
DJWEc22stdFIT<-ugarchfit(spec=DJWEc22std,data=datDJWEretINSA DJWEc22stdFIT
DJWEc12stdFIT<-ugarchfit(spec=DJWEc12std,data=datDJWEretINSA DJWEc12stdFIT
DJWEc21stdFIT<-ugarchfit(spec=DJWEc21std,data=datDJWEretINSA DJWEc21stdFIT

DJWEs11norFIT<-ugarchfit(spec=DJWEs11nor,data=datDJWEretINSA DJWEs11norFIT
DJWEs22norFIT<-ugarchfit(spec=DJWEs22nor,data=datDJWEretINSA DJWEs22norFIT
DJWEs12norFIT<-ugarchfit(spec=DJWEs12nor,data=datDJWEretINSA DJWEs12norFIT
DJWEs21norFIT<-ugarchfit(spec=DJWEs21nor,data=datDJWEretINSA DJWEs21norFIT
DJWEe11norFIT<-ugarchfit(spec=DJWEe11nor,data=datDJWEretINSA DJWEe11norFIT
DJWEe22norFIT<-ugarchfit(spec=DJWEe22nor,data=datDJWEretINSA DJWEe22norFIT
DJWEe12norFIT<-ugarchfit(spec=DJWEe12nor,data=datDJWEretINSA DJWEe12norFIT
DJWEe21norFIT<-ugarchfit(spec=DJWEe21nor,data=datDJWEretINSA DJWEe21norFIT
DJWEg11norFIT<-ugarchfit(spec=DJWEg11nor,data=datDJWEretINSA DJWEg11norFIT
DJWEg22norFIT<-ugarchfit(spec=DJWEg22nor,data=datDJWEretINSA DJWEg22norFIT
DJWEg12norFIT<-ugarchfit(spec=DJWEg12nor,data=datDJWEretINSA DJWEg12norFIT
DJWEg21norFIT<-ugarchfit(spec=DJWEg21nor,data=datDJWEretINSA DJWEg21norFIT
DJWEi11norFIT<-ugarchfit(spec=DJWEi11nor,data=datDJWEretINSA DJWEi11norFIT
DJWEi22norFIT<-ugarchfit(spec=DJWEi22nor,data=datDJWEretINSA DJWEi22norFIT
DJWEi12norFIT<-ugarchfit(spec=DJWEi12nor,data=datDJWEretINSA DJWEi12norFIT
DJWEi21norFIT<-ugarchfit(spec=DJWEi21nor,data=datDJWEretINSA DJWEi21norFIT
DJWEc11norFIT<-ugarchfit(spec=DJWEc11nor,data=datDJWEretINSA DJWEc11norFIT
DJWEc22norFIT<-ugarchfit(spec=DJWEc22nor,data=datDJWEretINSA DJWEc22norFIT
DJWEc12norFIT<-ugarchfit(spec=DJWEc12nor,data=datDJWEretINSA DJWEc12norFIT
DJWEc21norFIT<-ugarchfit(spec=DJWEc21nor,data=datDJWEretINSA DJWEc21norFIT
```

##ZincFIT

```
DJZIs11gedFIT<-ugarchfit(spec=DJZIs11ged,data=datDJZIretINSA DJZIs11gedFIT
DJZIs22gedFIT<-ugarchfit(spec=DJZIs22ged,data=datDJZIretINSA DJZIs22gedFIT
DJZIs12gedFIT<-ugarchfit(spec=DJZIs12ged,data=datDJZIretINSA DJZIs12gedFIT
DJZIs21gedFIT<-ugarchfit(spec=DJZIs21ged,data=datDJZIretINSA DJZIs21gedFIT
DJZIe11gedFIT<-ugarchfit(spec=DJZIe11ged,data=datDJZIretINSA DJZIe11gedFIT
DJZIe22gedFIT<-ugarchfit(spec=DJZIe22ged,data=datDJZIretINSA DJZIe22gedFIT
DJZIe12gedFIT<-ugarchfit(spec=DJZIe12ged,data=datDJZIretINSA DJZIe12gedFIT
DJZIe21gedFIT<-ugarchfit(spec=DJZIe21ged,data=datDJZIretINSA DJZIe21gedFIT
DJZIg11gedFIT<-ugarchfit(spec=DJZIg11ged,data=datDJZIretINSA DJZIg11gedFIT
DJZIg22gedFIT<-ugarchfit(spec=DJZIg22ged,data=datDJZIretINSA DJZIg22gedFIT
DJZIg12gedFIT<-ugarchfit(spec=DJZIg12ged,data=datDJZIretINSA DJZIg12gedFIT
DJZIg21gedFIT<-ugarchfit(spec=DJZIg21ged,data=datDJZIretINSA DJZIg21gedFIT
DJZIi11gedFIT<-ugarchfit(spec=DJZIi11ged,data=datDJZIretINSA DJZIi11gedFIT
DJZIi22gedFIT<-ugarchfit(spec=DJZIi22ged,data=datDJZIretINSA DJZIi22gedFIT
DJZIi12gedFIT<-ugarchfit(spec=DJZIi12ged,data=datDJZIretINSA DJZIi12gedFIT
DJZIi21gedFIT<-ugarchfit(spec=DJZIi21ged,data=datDJZIretINSA DJZIi21gedFIT
DJZIc11gedFIT<-ugarchfit(spec=DJZIc11ged,data=datDJZIretINSA DJZIc11gedFIT
DJZIc22gedFIT<-ugarchfit(spec=DJZIc22ged,data=datDJZIretINSA DJZIc22gedFIT
DJZIc12gedFIT<-ugarchfit(spec=DJZIc12ged,data=datDJZIretINSA DJZIc12gedFIT
DJZIc21gedFIT<-ugarchfit(spec=DJZIc21ged,data=datDJZIretINSA DJZIc21gedFIT

DJZIs11stdFIT<-ugarchfit(spec=DJZIs11std,data=datDJZIretINSA DJZIs11stdFIT
DJZIs22stdFIT<-ugarchfit(spec=DJZIs22std,data=datDJZIretINSA DJZIs22stdFIT
DJZIs12stdFIT<-ugarchfit(spec=DJZIs12std,data=datDJZIretINSA DJZIs12stdFIT
DJZIs21stdFIT<-ugarchfit(spec=DJZIs21std,data=datDJZIretINSA DJZIs21stdFIT
DJZIe11stdFIT<-ugarchfit(spec=DJZIe11std,data=datDJZIretINSA DJZIe11stdFIT
DJZIe22stdFIT<-ugarchfit(spec=DJZIe22std,data=datDJZIretINSA DJZIe22stdFIT
DJZIe12stdFIT<-ugarchfit(spec=DJZIe12std,data=datDJZIretINSA DJZIe12stdFIT
DJZIe21stdFIT<-ugarchfit(spec=DJZIe21std,data=datDJZIretINSA DJZIe21stdFIT
DJZIg11stdFIT<-ugarchfit(spec=DJZIg11std,data=datDJZIretINSA DJZIg11stdFIT
DJZIg22stdFIT<-ugarchfit(spec=DJZIg22std,data=datDJZIretINSA DJZIg22stdFIT
DJZIg12stdFIT<-ugarchfit(spec=DJZIg12std,data=datDJZIretINSA DJZIg12stdFIT
DJZIg21stdFIT<-ugarchfit(spec=DJZIg21std,data=datDJZIretINSA DJZIg21stdFIT
DJZIi11stdFIT<-ugarchfit(spec=DJZIi11std,data=datDJZIretINSA DJZIi11stdFIT
DJZIi22stdFIT<-ugarchfit(spec=DJZIi22std,data=datDJZIretINSA DJZIi22stdFIT
DJZIi12stdFIT<-ugarchfit(spec=DJZIi12std,data=datDJZIretINSA DJZIi12stdFIT
DJZIi21stdFIT<-ugarchfit(spec=DJZIi21std,data=datDJZIretINSA DJZIi21stdFIT
DJZIc11stdFIT<-ugarchfit(spec=DJZIc11std,data=datDJZIretINSA DJZIc11stdFIT
DJZIc22stdFIT<-ugarchfit(spec=DJZIc22std,data=datDJZIretINSA DJZIc22stdFIT
DJZIc12stdFIT<-ugarchfit(spec=DJZIc12std,data=datDJZIretINSA DJZIc12stdFIT
DJZIc21stdFIT<-ugarchfit(spec=DJZIc21std,data=datDJZIretINSA DJZIc21stdFIT

DJZIs11norFIT<-ugarchfit(spec=DJZIs11nor,data=datDJZIretINSA DJZIs11norFIT
DJZIs22norFIT<-ugarchfit(spec=DJZIs22nor,data=datDJZIretINSA DJZIs22norFIT
DJZIs12norFIT<-ugarchfit(spec=DJZIs12nor,data=datDJZIretINSA DJZIs12norFIT
```

```
DJZIs21norFIT<-ugarchfit(spec=DJZIs21nor,data=datDJZIretINSA DJZIs21norFIT
DJZIe11norFIT<-ugarchfit(spec=DJZIe11nor,data=datDJZIretINSA DJZIe11norFIT
DJZIe22norFIT<-ugarchfit(spec=DJZIe22nor,data=datDJZIretINSA DJZIe22norFIT
DJZIe12norFIT<-ugarchfit(spec=DJZIe12nor,data=datDJZIretINSA DJZIe12norFIT
DJZIe21norFIT<-ugarchfit(spec=DJZIe21nor,data=datDJZIretINSA DJZIe21norFIT
DJZIe11norFIT<-ugarchfit(spec=DJZIe11nor,data=datDJZIretINSA DJZIg11norFIT
DJZIe22norFIT<-ugarchfit(spec=DJZIe22nor,data=datDJZIretINSA DJZIg22norFIT
DJZIg12norFIT<-ugarchfit(spec=DJZIg12nor,data=datDJZIretINSA DJZIg12norFIT
DJZIg21norFIT<-ugarchfit(spec=DJZIg21nor,data=datDJZIretINSA DJZIg21norFIT
DJZIi11norFIT<-ugarchfit(spec=DJZIi11nor,data=datDJZIretINSA DJZIi11norFIT
DJZIi22norFIT<-ugarchfit(spec=DJZIi22nor,data=datDJZIretINSA DJZIi22norFIT
DJZIi12norFIT<-ugarchfit(spec=DJZIi12nor,data=datDJZIretINSA DJZIi12norFIT
DJZIi21norFIT<-ugarchfit(spec=DJZIi21nor,data=datDJZIretINSA DJZIi21norFIT
DJZIc11norFIT<-ugarchfit(spec=DJZIc11nor,data=datDJZIretINSA DJZIc11norFIT
DJZIc22norFIT<-ugarchfit(spec=DJZIc22nor,data=datDJZIretINSA DJZIc22norFIT
DJZIc12norFIT<-ugarchfit(spec=DJZIc12nor,data=datDJZIretINSA DJZIc12norFIT
DJZIc21norFIT<-ugarchfit(spec=DJZIc21nor,data=datDJZIretINSA DJZIc21norFIT
```

##Lean HogFIT

```
DJLHs11gedFIT<-ugarchfit(spec=DJLHs11ged,data=datDJLHretINSA DJLHs11gedFIT
DJLHs22gedFIT<-ugarchfit(spec=DJLHs22ged,data=datDJLHretINSA DJLHs22gedFIT
DJLHs12gedFIT<-ugarchfit(spec=DJLHs12ged,data=datDJLHretINSA DJLHs12gedFIT
DJLHs21gedFIT<-ugarchfit(spec=DJLHs21ged,data=datDJLHretINSA DJLHs21gedFIT
DJLHe11gedFIT<-ugarchfit(spec=DJLHe11ged,data=datDJLHretINSA DJLHe11gedFIT
DJLHe22gedFIT<-ugarchfit(spec=DJLHe22ged,data=datDJLHretINSA DJLHe22gedFIT
DJLHe12gedFIT<-ugarchfit(spec=DJLHe12ged,data=datDJLHretINSA DJLHe12gedFIT
DJLHe21gedFIT<-ugarchfit(spec=DJLHe21ged,data=datDJLHretINSA DJLHe21gedFIT
DJLHg11gedFIT<-ugarchfit(spec=DJLHg11ged,data=datDJLHretINSA DJLHg11gedFIT
DJLHg22gedFIT<-ugarchfit(spec=DJLHg22ged,data=datDJLHretINSA DJLHg22gedFIT
DJLHg12gedFIT<-ugarchfit(spec=DJLHg12ged,data=datDJLHretINSA DJLHg12gedFIT
DJLHg21gedFIT<-ugarchfit(spec=DJLHg21ged,data=datDJLHretINSA DJLHg21gedFIT
DJLHi11gedFIT<-ugarchfit(spec=DJLHi11ged,data=datDJLHretINSA DJLHi11gedFIT
DJLHi22gedFIT<-ugarchfit(spec=DJLHi22ged,data=datDJLHretINSA DJLHi22gedFIT
DJLHi12gedFIT<-ugarchfit(spec=DJLHi12ged,data=datDJLHretINSA DJLHi12gedFIT
DJLHi21gedFIT<-ugarchfit(spec=DJLHi21ged,data=datDJLHretINSA DJLHi21gedFIT
DJLHc11gedFIT<-ugarchfit(spec=DJLHc11ged,data=datDJLHretINSA DJLHc11gedFIT
DJLHc22gedFIT<-ugarchfit(spec=DJLHc22ged,data=datDJLHretINSA DJLHc22gedFIT
DJLHc12gedFIT<-ugarchfit(spec=DJLHc12ged,data=datDJLHretINSA DJLHc12gedFIT
DJLHc21gedFIT<-ugarchfit(spec=DJLHc21ged,data=datDJLHretINSA DJLHc21gedFIT

DJLHs11stdFIT<-ugarchfit(spec=DJLHs11std,data=datDJLHretINSA DJLHs11stdFIT
DJLHs22stdFIT<-ugarchfit(spec=DJLHs22std,data=datDJLHretINSA DJLHs22stdFIT
DJLHs12stdFIT<-ugarchfit(spec=DJLHs12std,data=datDJLHretINSA DJLHs12stdFIT
DJLHs21stdFIT<-ugarchfit(spec=DJLHs21std,data=datDJLHretINSA DJLHs21stdFIT
DJLHe11stdFIT<-ugarchfit(spec=DJLHe11std,data=datDJLHretINSA DJLHe11stdFIT
DJLHe22stdFIT<-ugarchfit(spec=DJLHe22std,data=datDJLHretINSA DJLHe22stdFIT
DJLHe12stdFIT<-ugarchfit(spec=DJLHe12std,data=datDJLHretINSA DJLHe12stdFIT
DJLHe21stdFIT<-ugarchfit(spec=DJLHe21std,data=datDJLHretINSA DJLHe21stdFIT
DJLHg11stdFIT<-ugarchfit(spec=DJLHg11std,data=datDJLHretINSA DJLHg11stdFIT
DJLHg22stdFIT<-ugarchfit(spec=DJLHg22std,data=datDJLHretINSA DJLHg22stdFIT
DJLHg12stdFIT<-ugarchfit(spec=DJLHg12std,data=datDJLHretINSA DJLHg12stdFIT
DJLHg21stdFIT<-ugarchfit(spec=DJLHg21std,data=datDJLHretINSA DJLHg21stdFIT
DJLHi11stdFIT<-ugarchfit(spec=DJLHi11std,data=datDJLHretINSA DJLHi11stdFIT
DJLHi22stdFIT<-ugarchfit(spec=DJLHi22std,data=datDJLHretINSA DJLHi22stdFIT
DJLHi12stdFIT<-ugarchfit(spec=DJLHi12std,data=datDJLHretINSA DJLHi12stdFIT
DJLHi21stdFIT<-ugarchfit(spec=DJLHi21std,data=datDJLHretINSA DJLHi21stdFIT
DJLHc11stdFIT<-ugarchfit(spec=DJLHc11std,data=datDJLHretINSA DJLHc11stdFIT
DJLHc22stdFIT<-ugarchfit(spec=DJLHc22std,data=datDJLHretINSA DJLHc22stdFIT
DJLHc12stdFIT<-ugarchfit(spec=DJLHc12std,data=datDJLHretINSA DJLHc12stdFIT
DJLHc21stdFIT<-ugarchfit(spec=DJLHc21std,data=datDJLHretINSA DJLHc21stdFIT

DJLHs11norFIT<-ugarchfit(spec=DJLHs11nor,data=datDJLHretINSA DJLHs11norFIT
DJLHs22norFIT<-ugarchfit(spec=DJLHs22nor,data=datDJLHretINSA DJLHs22norFIT
DJLHs12norFIT<-ugarchfit(spec=DJLHs12nor,data=datDJLHretINSA DJLHs12norFIT
DJLHs21norFIT<-ugarchfit(spec=DJLHs21nor,data=datDJLHretINSA DJLHs21norFIT
DJLHe11norFIT<-ugarchfit(spec=DJLHe11nor,data=datDJLHretINSA DJLHe11norFIT
DJLHe22norFIT<-ugarchfit(spec=DJLHe22nor,data=datDJLHretINSA DJLHe22norFIT
DJLHe12norFIT<-ugarchfit(spec=DJLHe12nor,data=datDJLHretINSA DJLHe12norFIT
DJLHe21norFIT<-ugarchfit(spec=DJLHe21nor,data=datDJLHretINSA DJLHe21norFIT
DJLHg11norFIT<-ugarchfit(spec=DJLHg11nor,data=datDJLHretINSA DJLHg11norFIT
DJLHg22norFIT<-ugarchfit(spec=DJLHg22nor,data=datDJLHretINSA DJLHg22norFIT
DJLHg12norFIT<-ugarchfit(spec=DJLHg12nor,data=datDJLHretINSA DJLHg12norFIT
DJLHg21norFIT<-ugarchfit(spec=DJLHg21nor,data=datDJLHretINSA DJLHg21norFIT
DJLHi11norFIT<-ugarchfit(spec=DJLHi11nor,data=datDJLHretINSA DJLHi11norFIT
DJLHi22norFIT<-ugarchfit(spec=DJLHi22nor,data=datDJLHretINSA DJLHi22norFIT
DJLHi12norFIT<-ugarchfit(spec=DJLHi12nor,data=datDJLHretINSA DJLHi12norFIT
DJLHi21norFIT<-ugarchfit(spec=DJLHi21nor,data=datDJLHretINSA DJLHi21norFIT
DJLHc11norFIT<-ugarchfit(spec=DJLHc11nor,data=datDJLHretINSA DJLHc11norFIT
DJLHc22norFIT<-ugarchfit(spec=DJLHc22nor,data=datDJLHretINSA DJLHc22norFIT
DJLHc12norFIT<-ugarchfit(spec=DJLHc12nor,data=datDJLHretINSA DJLHc12norFIT
DJLHc21norFIT<-ugarchfit(spec=DJLHc21nor,data=datDJLHretINSA DJLHc21norFIT
```

##Natural Gas FIT

```
DJNGs11gedFIT<-ugarchfit(spec=DJNGs11ged,data=datDJNGretINSA DJNGs11gedFIT
DJNGs22gedFIT<-ugarchfit(spec=DJNGs22ged,data=datDJNGretINSA DJNGs22gedFIT
DJNGs12gedFIT<-ugarchfit(spec=DJNGs12ged,data=datDJNGretINSA DJNGs12gedFIT
DJNGs21gedFIT<-ugarchfit(spec=DJNGs21ged,data=datDJNGretINSA DJNGs21gedFIT
DJNGe11gedFIT<-ugarchfit(spec=DJNGe11ged,data=datDJNGretINSA DJNGe11gedFIT
DJNGe22gedFIT<-ugarchfit(spec=DJNGe22ged,data=datDJNGretINSA DJNGe22gedFIT
DJNGe12gedFIT<-ugarchfit(spec=DJNGe12ged,data=datDJNGretINSA DJNGe12gedFIT
DJNGe21gedFIT<-ugarchfit(spec=DJNGe21ged,data=datDJNGretINSA DJNGe21gedFIT
DJNGg11gedFIT<-ugarchfit(spec=DJNGg11ged,data=datDJNGretINSA DJNGg11gedFIT
DJNGg22gedFIT<-ugarchfit(spec=DJNGg22ged,data=datDJNGretINSA DJNGg22gedFIT
DJNGe12edFIT<-ugarchfit(spec=DJNGe12eed,data=datDJNGretINSA DJNGg12gedFIT
DJNGe21edFIT<-ugarchfit(spec=DJNGe21eed,data=datDJNGretINSA DJNGg21gedFIT
DJNGi11edFIT<-ugarchfit(spec=DJNGi11eed,data=datDJNGretINSA DJNGi11gedFIT
DJNGi22edFIT<-ugarchfit(spec=DJNGi22eed,data=datDJNGretINSA DJNGi22gedFIT
DJNGi12edFIT<-ugarchfit(spec=DJNGi12eed,data=datDJNGretINSA DJNGi12gedFIT
DJNGi21edFIT<-ugarchfit(spec=DJNGi21eed,data=datDJNGretINSA DJNGi21gedFIT
DJNGc11gedFIT<-ugarchfit(spec=DJNGc11ged,data=datDJNGretINSA DJNGc11gedFIT
DJNGc22gedFIT<-ugarchfit(spec=DJNGc22ged,data=datDJNGretINSA DJNGc22gedFIT
DJNGc12gedFIT<-ugarchfit(spec=DJNGc12ged,data=datDJNGretINSA DJNGc12gedFIT
DJNGc21gedFIT<-ugarchfit(spec=DJNGc21ged,data=datDJNGretINSA DJNGc21gedFIT

DJNGs11stdFIT<-ugarchfit(spec=DJNGs11std,data=datDJNGretINSA DJNGs11stdFIT
DJNGs22stdFIT<-ugarchfit(spec=DJNGs22std,data=datDJNGretINSA DJNGs22stdFIT
DJNGs12stdFIT<-ugarchfit(spec=DJNGs12std,data=datDJNGretINSA DJNGs12stdFIT
DJNGs21stdFIT<-ugarchfit(spec=DJNGs21std,data=datDJNGretINSA DJNGs21stdFIT
DJNGe11stdFIT<-ugarchfit(spec=DJNGe11std,data=datDJNGretINSA DJNGe11stdFIT
DJNGe22stdFIT<-ugarchfit(spec=DJNGe22std,data=datDJNGretINSA DJNGe22stdFIT
DJNGe12stdFIT<-ugarchfit(spec=DJNGe12std,data=datDJNGretINSA DJNGe12stdFIT
DJNGe21stdFIT<-ugarchfit(spec=DJNGe21std,data=datDJNGretINSA DJNGe21stdFIT
DJNGg11stdFIT<-ugarchfit(spec=DJNGg11std,data=datDJNGretINSA DJNGg11stdFIT
DJNGg22stdFIT<-ugarchfit(spec=DJNGg22std,data=datDJNGretINSA DJNGg22stdFIT
DJNGg12stdFIT<-ugarchfit(spec=DJNGg12std,data=datDJNGretINSA DJNGg12stdFIT
DJNGg21stdFIT<-ugarchfit(spec=DJNGg21std,data=datDJNGretINSA DJNGg21stdFIT
DJNGi11stdFIT<-ugarchfit(spec=DJNGi11std,data=datDJNGretINSA DJNGi11stdFIT
DJNGi22stdFIT<-ugarchfit(spec=DJNGi22std,data=datDJNGretINSA DJNGi22stdFIT
DJNGi12stdFIT<-ugarchfit(spec=DJNGi12std,data=datDJNGretINSA DJNGi12stdFIT
DJNGi21stdFIT<-ugarchfit(spec=DJNGi21std,data=datDJNGretINSA DJNGi21stdFIT
DJNGc11stdFIT<-ugarchfit(spec=DJNGc11std,data=datDJNGretINSA DJNGc11stdFIT
DJNGc22stdFIT<-ugarchfit(spec=DJNGc22std,data=datDJNGretINSA DJNGc22stdFIT
DJNGc12stdFIT<-ugarchfit(spec=DJNGc12std,data=datDJNGretINSA DJNGc12stdFIT
DJNGc21stdFIT<-ugarchfit(spec=DJNGc21std,data=datDJNGretINSA DJNGc21stdFIT

DJNGs11norFIT<-ugarchfit(spec=DJNGs11nor,data=datDJNGretINSA DJNGs11norFIT
DJNGs22norFIT<-ugarchfit(spec=DJNGs22nor,data=datDJNGretINSA DJNGs22norFIT
DJNGs12norFIT<-ugarchfit(spec=DJNGs12nor,data=datDJNGretINSA DJNGs12norFIT
DJNGs21norFIT<-ugarchfit(spec=DJNGs21nor,data=datDJNGretINSA DJNGs21norFIT
DJNGe11norFIT<-ugarchfit(spec=DJNGe11nor,data=datDJNGretINSA DJNGe11norFIT
DJNGe22norFIT<-ugarchfit(spec=DJNGe22nor,data=datDJNGretINSA DJNGe22norFIT
DJNGe12norFIT<-ugarchfit(spec=DJNGe12nor,data=datDJNGretINSA DJNGe12norFIT
DJNGe21norFIT<-ugarchfit(spec=DJNGe21nor,data=datDJNGretINSA DJNGe21norFIT
DJNGe11norFIT<-ugarchfit(spec=DJNGe11nor,data=datDJNGretINSA DJNGe11norFIT
DJNGe22norFIT<-ugarchfit(spec=DJNGe22nor,data=datDJNGretINSA DJNGg22norFIT
DJNGe12norFIT<-ugarchfit(spec=DJNGe12nor,data=datDJNGretINSA DJNGg12norFIT
DJNGe21norFIT<-ugarchfit(spec=DJNGe21nor,data=datDJNGretINSA DJNGg21norFIT
DJNGi11norFIT<-ugarchfit(spec=DJNGi11nor,data=datDJNGretINSA DJNGi11norFIT
DJNGi22norFIT<-ugarchfit(spec=DJNGi22nor,data=datDJNGretINSA DJNGi22norFIT
DJNGi12norFIT<-ugarchfit(spec=DJNGi12nor,data=datDJNGretINSA DJNGi12norFIT
DJNGi21norFIT<-ugarchfit(spec=DJNGi21nor,data=datDJNGretINSA DJNGi21norFIT
DJNGc11norFIT<-ugarchfit(spec=DJNGc11nor,data=datDJNGretINSA DJNGc11norFIT
DJNGc22norFIT<-ugarchfit(spec=DJNGc22nor,data=datDJNGretINSA DJNGc22norFIT
DJNGc12norFIT<-ugarchfit(spec=DJNGc12nor,data=datDJNGretINSA DJNGc12norFIT
DJNGc21norFIT<-ugarchfit(spec=DJNGc21nor,data=datDJNGretINSA DJNGc21norFIT
```

##PetroleumFIT

```
DJPEs11edFIT<-ugarchfit(spec=DJPEs11eed,data=datDJPEretINSA DJPEs11gedFIT
DJPEs22edFIT<-ugarchfit(spec=DJPEs22eed,data=datDJPEretINSA DJPEs22gedFIT
DJPEs12edFIT<-ugarchfit(spec=DJPEs12eed,data=datDJPEretINSA DJPEs12gedFIT
DJPEs21edFIT<-ugarchfit(spec=DJPEs21eed,data=datDJPEretINSA DJPEs21gedFIT
DJPEe11edFIT<-ugarchfit(spec=DJPEe11eed,data=datDJPEretINSA DJPEe11gedFIT
DJPEe22edFIT<-ugarchfit(spec=DJPEe22eed,data=datDJPEretINSA DJPEe22gedFIT
DJPEe12edFIT<-ugarchfit(spec=DJPEe12eed,data=datDJPEretINSA DJPEe12gedFIT
DJPEe21edFIT<-ugarchfit(spec=DJPEe21eed,data=datDJPEretINSA DJPEe21gedFIT
DJPEg11edFIT<-ugarchfit(spec=DJPEg11eed,data=datDJPEretINSA DJPEg11gedFIT
DJPEg22edFIT<-ugarchfit(spec=DJPEg22eed,data=datDJPEretINSA DJPEg22gedFIT
DJPEg12edFIT<-ugarchfit(spec=DJPEg12eed,data=datDJPEretINSA DJPEg12gedFIT
DJPEg21edFIT<-ugarchfit(spec=DJPEg21eed,data=datDJPEretINSA DJPEg21gedFIT
DJPEi11edFIT<-ugarchfit(spec=DJPEi11eed,data=datDJPEretINSA DJPEi11gedFIT
DJPEi22edFIT<-ugarchfit(spec=DJPEi22eed,data=datDJPEretINSA DJPEi22gedFIT
DJPEi12edFIT<-ugarchfit(spec=DJPEi12eed,data=datDJPEretINSA DJPEi12gedFIT
DJPEi21edFIT<-ugarchfit(spec=DJPEi21eed,data=datDJPEretINSA DJPEi21gedFIT
DJPEc11edFIT<-ugarchfit(spec=DJPEc11eed,data=datDJPEretINSA DJPEc11gedFIT
DJPEc22edFIT<-ugarchfit(spec=DJPEc22eed,data=datDJPEretINSA DJPEc22gedFIT
DJPEc12edFIT<-ugarchfit(spec=DJPEc12eed,data=datDJPEretINSA DJPEc12gedFIT
DJPEc21edFIT<-ugarchfit(spec=DJPEc21eed,data=datDJPEretINSA DJPEc21gedFIT

DJPEs11stdFIT<-ugarchfit(spec=DJPEs11std,data=datDJPEretINSA DJPEs11stdFIT
DJPEs22stdFIT<-ugarchfit(spec=DJPEs22std,data=datDJPEretINSA DJPEs22stdFIT
DJPEs12stdFIT<-ugarchfit(spec=DJPEs12std,data=datDJPEretINSA DJPEs12stdFIT
DJPEs21stdFIT<-ugarchfit(spec=DJPEs21std,data=datDJPEretINSA DJPEs21stdFIT
DJPEe11stdFIT<-ugarchfit(spec=DJPEe11std,data=datDJPEretINSA DJPEe11stdFIT
DJPEe22stdFIT<-ugarchfit(spec=DJPEe22std,data=datDJPEretINSA DJPEe22stdFIT
DJPEe12stdFIT<-ugarchfit(spec=DJPEe12std,data=datDJPEretINSA DJPEe12stdFIT
DJPEe21stdFIT<-ugarchfit(spec=DJPEe21std,data=datDJPEretINSA DJPEe21stdFIT
DJPEe11stdFIT<-ugarchfit(spec=DJPEe11std,data=datDJPEretINSA DJPEg11stdFIT
DJPEe22stdFIT<-ugarchfit(spec=DJPEe22std,data=datDJPEretINSA DJPEg22stdFIT
DJPEg12stdFIT<-ugarchfit(spec=DJPEg12std,data=datDJPEretINSA DJPEg12stdFIT
DJPEg21stdFIT<-ugarchfit(spec=DJPEg21std,data=datDJPEretINSA DJPEg21stdFIT
DJPEi11stdFIT<-ugarchfit(spec=DJPEi11std,data=datDJPEretINSA DJPEi11stdFIT
DJPEi22stdFIT<-ugarchfit(spec=DJPEi22std,data=datDJPEretINSA DJPEi22stdFIT
DJPEi12stdFIT<-ugarchfit(spec=DJPEi12std,data=datDJPEretINSA DJPEi12stdFIT
DJPEi21stdFIT<-ugarchfit(spec=DJPEi21std,data=datDJPEretINSA DJPEi21stdFIT
DJPEc11stdFIT<-ugarchfit(spec=DJPEc11std,data=datDJPEretINSA DJPEc11stdFIT
DJPEc22stdFIT<-ugarchfit(spec=DJPEc22std,data=datDJPEretINSA DJPEc22stdFIT
DJPEc12stdFIT<-ugarchfit(spec=DJPEc12std,data=datDJPEretINSA DJPEc12stdFIT
DJPEc21stdFIT<-ugarchfit(spec=DJPEc21std,data=datDJPEretINSA DJPEc21stdFIT

DJPEs11norFIT<-ugarchfit(spec=DJPEs11nor,data=datDJPEretINSA DJPEs11norFIT
DJPEs22norFIT<-ugarchfit(spec=DJPEs22nor,data=datDJPEretINSA DJPEs22norFIT
DJPEs12norFIT<-ugarchfit(spec=DJPEs12nor,data=datDJPEretINSA DJPEs12norFIT
DJPEs21norFIT<-ugarchfit(spec=DJPEs21nor,data=datDJPEretINSA DJPEs21norFIT
DJPEe11norFIT<-ugarchfit(spec=DJPEe11nor,data=datDJPEretINSA DJPEe11norFIT
DJPEe22norFIT<-ugarchfit(spec=DJPEe22nor,data=datDJPEretINSA DJPEe22norFIT
```

```
DJPEe12norFIT<-ugarchfit(spec=DJPEe12nor,data=datDJPEretINSA DJPEe12norFIT
DJPEe21norFIT<-ugarchfit(spec=DJPEe21nor,data=datDJPEretINSA DJPEe21norFIT
DJPEe11norFIT<-ugarchfit(spec=DJPEe11nor,data=datDJPEretINSA DJPEg11norFIT
DJPEe22norFIT<-ugarchfit(spec=DJPEe22nor,data=datDJPEretINSA DJPEg22norFIT
DJPEe12norFIT<-ugarchfit(spec=DJPEe12nor,data=datDJPEretINSA DJPEg12norFIT
DJPEe21norFIT<-ugarchfit(spec=DJPEe21nor,data=datDJPEretINSA DJPEg21norFIT
DJPEi11norFIT<-ugarchfit(spec=DJPEi11nor,data=datDJPEretINSA DJPEi11norFIT
DJPEi22norFIT<-ugarchfit(spec=DJPEi22nor,data=datDJPEretINSA DJPEi22norFIT
DJPEi12norFIT<-ugarchfit(spec=DJPEi12nor,data=datDJPEretINSA DJPEi12norFIT
DJPEi22norFIT<-ugarchfit(spec=DJPEi21nor,data=datDJPEretINSA DJPEi21norFIT
DJPEc11norFIT<-ugarchfit(spec=DJPEc11nor,data=datDJPEretINSA DJPEc11norFIT
DJPEc22norFIT<-ugarchfit(spec=DJPEc22nor,data=datDJPEretINSA DJPEc22norFIT
DJPEc12norFIT<-ugarchfit(spec=DJPEc12nor,data=datDJPEretINSA DJPEc12norFIT
DJPEc21norFIT<-ugarchfit(spec=DJPEc21nor,data=datDJPEretINSA DJPEc21norFIT
```

SoybeansFIT

```
DJSOs11edFIT<-ugarchfit(spec=DJSOs11eed,data=datDJSOretINSA DJSOs11gedFIT
DJSOs22edFIT<-ugarchfit(spec=DJSOs22eed,data=datDJSOretINSA DJSOs22gedFIT
DJSOs12edFIT<-ugarchfit(spec=DJSOs12eed,data=datDJSOretINSA DJSOs12gedFIT
DJSOs21edFIT<-ugarchfit(spec=DJSOs21eed,data=datDJSOretINSA DJSOs21gedFIT
DJSOe11edFIT<-ugarchfit(spec=DJSOe11eed,data=datDJSOretINSA DJSOe11gedFIT
DJSOe22edFIT<-ugarchfit(spec=DJSOe22eed,data=datDJSOretINSA DJSOe22gedFIT
DJSOe12edFIT<-ugarchfit(spec=DJSOe12eed,data=datDJSOretINSA DJSOe12gedFIT
DJSOe21edFIT<-ugarchfit(spec=DJSOe21eed,data=datDJSOretINSA DJSOe21gedFIT
DJSOg11edFIT<-ugarchfit(spec=DJSOg11eed,data=datDJSOretINSA DJSOg11gedFIT
DJSOg22edFIT<-ugarchfit(spec=DJSOg22eed,data=datDJSOretINSA DJSOg22gedFIT
DJSOg12edFIT<-ugarchfit(spec=DJSOg12eed,data=datDJSOretINSA DJSOg12gedFIT
DJSOe21edFIT<-ugarchfit(spec=DJSOe21eed,data=datDJSOretINSA DJSOg21gedFIT
DJSOi11edFIT<-ugarchfit(spec=DJSOi11eed,data=datDJSOretINSA DJSOi11gedFIT
DJSOi22edFIT<-ugarchfit(spec=DJSOi22eed,data=datDJSOretINSA DJSOi22gedFIT
DJSOi12edFIT<-ugarchfit(spec=DJSOi12eed,data=datDJSOretINSA DJSOi12gedFIT
DJSOi21edFIT<-ugarchfit(spec=DJSOi21eed,data=datDJSOretINSA DJSOi21gedFIT
DJSOc11edFIT<-ugarchfit(spec=DJSOc11eed,data=datDJSOretINSA DJSOc11gedFIT
DJSOc22edFIT<-ugarchfit(spec=DJSOc22eed,data=datDJSOretINSA DJSOc22gedFIT
DJSOc12edFIT<-ugarchfit(spec=DJSOc12eed,data=datDJSOretINSA DJSOc12gedFIT
DJSOc21edFIT<-ugarchfit(spec=DJSOc21eed,data=datDJSOretINSA DJSOc21gedFIT

DJSOs11stdFIT<-ugarchfit(spec=DJSOs11std,data=datDJSOretINSA DJSOs11stdFIT
DJSOs22stdFIT<-ugarchfit(spec=DJSOs22std,data=datDJSOretINSA DJSOs22stdFIT
DJSOs12stdFIT<-ugarchfit(spec=DJSOs12std,data=datDJSOretINSA DJSOs12stdFIT
DJSOs21stdFIT<-ugarchfit(spec=DJSOs21std,data=datDJSOretINSA DJSOs21stdFIT
DJSOe11stdFIT<-ugarchfit(spec=DJSOe11std,data=datDJSOretINSA DJSOe11stdFIT
DJSOe22stdFIT<-ugarchfit(spec=DJSOe22std,data=datDJSOretINSA DJSOe22stdFIT
DJSOe12stdFIT<-ugarchfit(spec=DJSOe12std,data=datDJSOretINSA DJSOe12stdFIT
DJSOe21stdFIT<-ugarchfit(spec=DJSOe21std,data=datDJSOretINSA DJSOe21stdFIT
DJSOe11stdFIT<-ugarchfit(spec=DJSOe11std,data=datDJSOretINSA DJSOg11stdFIT
DJSOe22stdFIT<-ugarchfit(spec=DJSOe22std,data=datDJSOretINSA DJSOg22stdFIT
DJSOg12stdFIT<-ugarchfit(spec=DJSOg12std,data=datDJSOretINSA DJSOg12stdFIT
DJSOg21stdFIT<-ugarchfit(spec=DJSOg21std,data=datDJSOretINSA DJSOg21stdFIT
DJSOi11stdFIT<-ugarchfit(spec=DJSOi11std,data=datDJSOretINSA DJSOi11stdFIT
DJSOi22stdFIT<-ugarchfit(spec=DJSOi22std,data=datDJSOretINSA DJSOi22stdFIT
DJSOi12stdFIT<-ugarchfit(spec=DJSOi12std,data=datDJSOretINSA DJSOi12stdFIT
DJSOi21stdFIT<-ugarchfit(spec=DJSOi21std,data=datDJSOretINSA DJSOi21stdFIT
DJSOc11stdFIT<-ugarchfit(spec=DJSOc11std,data=datDJSOretINSA DJSOc11stdFIT
DJSOc22stdFIT<-ugarchfit(spec=DJSOc22std,data=datDJSOretINSA DJSOc22stdFIT
DJSOc12stdFIT<-ugarchfit(spec=DJSOc12std,data=datDJSOretINSA DJSOc12stdFIT
DJSOc21stdFIT<-ugarchfit(spec=DJSOc21std,data=datDJSOretINSA DJSOc21stdFIT

DJSOs11norFIT<-ugarchfit(spec=DJSOs11nor,data=datDJSOretINSA DJSOs11norFIT
DJSOs22norFIT<-ugarchfit(spec=DJSOs22nor,data=datDJSOretINSA DJSOs22norFIT
DJSOs12norFIT<-ugarchfit(spec=DJSOs12nor,data=datDJSOretINSA DJSOs12norFIT
DJSOs21norFIT<-ugarchfit(spec=DJSOs21nor,data=datDJSOretINSA DJSOs21norFIT
DJSOe11norFIT<-ugarchfit(spec=DJSOe11nor,data=datDJSOretINSA DJSOe11norFIT
DJSOe22norFIT<-ugarchfit(spec=DJSOe22nor,data=datDJSOretINSA DJSOe22norFIT
DJSOe12norFIT<-ugarchfit(spec=DJSOe12nor,data=datDJSOretINSA DJSOe12norFIT
DJSOe21norFIT<-ugarchfit(spec=DJSOe21nor,data=datDJSOretINSA DJSOe21norFIT
DJSOe11norFIT<-ugarchfit(spec=DJSOe11nor,data=datDJSOretINSA DJSOg11norFIT
DJSOe22norFIT<-ugarchfit(spec=DJSOe22nor,data=datDJSOretINSA DJSOg22norFIT
DJSOe12norFIT<-ugarchfit(spec=DJSOe12nor,data=datDJSOretINSA DJSOg12norFIT
DJSOe21norFIT<-ugarchfit(spec=DJSOe21nor,data=datDJSOretINSA DJSOg21norFIT
DJSOi11norFIT<-ugarchfit(spec=DJSOi11nor,data=datDJSOretINSA DJSOi11norFIT
DJSOi22norFIT<-ugarchfit(spec=DJSOi22nor,data=datDJSOretINSA DJSOi22norFIT
DJSOi12norFIT<-ugarchfit(spec=DJSOi12nor,data=datDJSOretINSA DJSOi12norFIT
DJSOi21norFIT<-ugarchfit(spec=DJSOi21nor,data=datDJSOretINSA DJSOi21norFIT
DJSOc11norFIT<-ugarchfit(spec=DJSOc11nor,data=datDJSOretINSA DJSOc11norFIT
DJSOc22norFIT<-ugarchfit(spec=DJSOc22nor,data=datDJSOretINSA DJSOc22norFIT
DJSOc12norFIT<-ugarchfit(spec=DJSOc12nor,data=datDJSOretINSA DJSOc12norFIT
DJSOc21norFIT<-ugarchfit(spec=DJSOc21nor,data=datDJSOretINSA DJSOc21norFIT
```

Forestry and Paper FIT

```
SEFPs11edFIT<-ugarchfit(spec=SEFPs11eed,data=datSEFPretINSA SEFPs11gedFIT
SEFPs22edFIT<-ugarchfit(spec=SEFPs22eed,data=datSEFPretINSA SEFPs22gedFIT
SEFPs12edFIT<-ugarchfit(spec=SEFPs12eed,data=datSEFPretINSA SEFPs12gedFIT
SEFPs21edFIT<-ugarchfit(spec=SEFPs21eed,data=datSEFPretINSA SEFPs21gedFIT
SEFPe11edFIT<-ugarchfit(spec=SEFPe11eed,data=datSEFPretINSA SEFPe11gedFIT
SEFPe22edFIT<-ugarchfit(spec=SEFPe22eed,data=datSEFPretINSA SEFPe22gedFIT
SEFPe12edFIT<-ugarchfit(spec=SEFPe12eed,data=datSEFPretINSA SEFPe12gedFIT
SEFPe21edFIT<-ugarchfit(spec=SEFPe21eed,data=datSEFPretINSA SEFPe21gedFIT
SEFPg11edFIT<-ugarchfit(spec=SEFPg11eed,data=datSEFPretINSA SEFPg11gedFIT
SEFPg22edFIT<-ugarchfit(spec=SEFPg22eed,data=datSEFPretINSA SEFPg22gedFIT
SEFPg12edFIT<-ugarchfit(spec=SEFPg12eed,data=datSEFPretINSA SEFPg12gedFIT
SEFPg21edFIT<-ugarchfit(spec=SEFPg21eed,data=datSEFPretINSA SEFPg21gedFIT
SEFPi11edFIT<-ugarchfit(spec=SEFPi11eed,data=datSEFPretINSA SEFPi11gedFIT
SEFPi22edFIT<-ugarchfit(spec=SEFPi22eed,data=datSEFPretINSA SEFPi22gedFIT
SEFPi12edFIT<-ugarchfit(spec=SEFPi12eed,data=datSEFPretINSA SEFPi12gedFIT
SEFPi21edFIT<-ugarchfit(spec=SEFPi21eed,data=datSEFPretINSA SEFPi21gedFIT
SEFPc11edFIT<-ugarchfit(spec=SEFPc11eed,data=datSEFPretINSA SEFPc11gedFIT
SEFPc22edFIT<-ugarchfit(spec=SEFPc22eed,data=datSEFPretINSA SEFPc22gedFIT
SEFPc12edFIT<-ugarchfit(spec=SEFPc12eed,data=datSEFPretINSA SEFPc12gedFIT
SEFPc21edFIT<-ugarchfit(spec=SEFPc21eed,data=datSEFPretINSA SEFPc21gedFIT

SEFPs11stdFIT<-ugarchfit(spec=SEFPs11std,data=datSEFPretINSA SEFPs11stdFIT
SEFPs22stdFIT<-ugarchfit(spec=SEFPs22std,data=datSEFPretINSA SEFPs22stdFIT
SEFPs12stdFIT<-ugarchfit(spec=SEFPs12std,data=datSEFPretINSA SEFPs12stdFIT
SEFPs21stdFIT<-ugarchfit(spec=SEFPs21std,data=datSEFPretINSA SEFPs21stdFIT
SEFPe11stdFIT<-ugarchfit(spec=SEFPe11std,data=datSEFPretINSA SEFPe11stdFIT
SEFPe22stdFIT<-ugarchfit(spec=SEFPe22std,data=datSEFPretINSA SEFPe22stdFIT
SEFPe12stdFIT<-ugarchfit(spec=SEFPe12std,data=datSEFPretINSA SEFPe12stdFIT
SEFPe21stdFIT<-ugarchfit(spec=SEFPe21std,data=datSEFPretINSA SEFPe21stdFIT
SEFPg11stdFIT<-ugarchfit(spec=SEFPg11std,data=datSEFPretINSA SEFPg11stdFIT
SEFPg22stdFIT<-ugarchfit(spec=SEFPg22std,data=datSEFPretINSA SEFPg22stdFIT
SEFPg12stdFIT<-ugarchfit(spec=SEFPg12std,data=datSEFPretINSA SEFPg12stdFIT
SEFPg21stdFIT<-ugarchfit(spec=SEFPg21std,data=datSEFPretINSA SEFPg21stdFIT
SEFPi11stdFIT<-ugarchfit(spec=SEFPi11std,data=datSEFPretINSA SEFPi11stdFIT
SEFPi22stdFIT<-ugarchfit(spec=SEFPi22std,data=datSEFPretINSA SEFPi22stdFIT
SEFPi12stdFIT<-ugarchfit(spec=SEFPi12std,data=datSEFPretINSA SEFPi12stdFIT
SEFPi21stdFIT<-ugarchfit(spec=SEFPi21std,data=datSEFPretINSA SEFPi21stdFIT
SEFPc11stdFIT<-ugarchfit(spec=SEFPc11std,data=datSEFPretINSA SEFPc11stdFIT
SEFPc22stdFIT<-ugarchfit(spec=SEFPc22std,data=datSEFPretINSA SEFPc22stdFIT
SEFPc12stdFIT<-ugarchfit(spec=SEFPc12std,data=datSEFPretINSA SEFPc12stdFIT
SEFPc21stdFIT<-ugarchfit(spec=SEFPc21std,data=datSEFPretINSA SEFPc21stdFIT

SEFPs11norFIT<-ugarchfit(spec=SEFPs11nor,data=datSEFPretINSA SEFPs11norFIT
SEFPs22norFIT<-ugarchfit(spec=SEFPs22nor,data=datSEFPretINSA SEFPs22norFIT
SEFPs12norFIT<-ugarchfit(spec=SEFPs12nor,data=datSEFPretINSA SEFPs12norFIT
SEFPs21norFIT<-ugarchfit(spec=SEFPs21nor,data=datSEFPretINSA SEFPs21norFIT
SEFPe11norFIT<-ugarchfit(spec=SEFPe11nor,data=datSEFPretINSA SEFPe11norFIT
SEFPe22norFIT<-ugarchfit(spec=SEFPe22nor,data=datSEFPretINSA SEFPe22norFIT
SEFPe12norFIT<-ugarchfit(spec=SEFPe12nor,data=datSEFPretINSA SEFPe12norFIT
SEFPe21norFIT<-ugarchfit(spec=SEFPe21nor,data=datSEFPretINSA SEFPe21norFIT
SEFPg11norFIT<-ugarchfit(spec=SEFPg11nor,data=datSEFPretINSA SEFPg11norFIT
SEFPg22norFIT<-ugarchfit(spec=SEFPg22nor,data=datSEFPretINSA SEFPg22norFIT
SEFPe12norFIT<-ugarchfit(spec=SEFPe12nor,data=datSEFPretINSA SEFPg12norFIT
SEFPe21norFIT<-ugarchfit(spec=SEFPe21nor,data=datSEFPretINSA SEFPg21norFIT
SEFPi11norFIT<-ugarchfit(spec=SEFPi11nor,data=datSEFPretINSA SEFPi11norFIT
SEFPi22norFIT<-ugarchfit(spec=SEFPi22nor,data=datSEFPretINSA SEFPi22norFIT
SEFPi12norFIT<-ugarchfit(spec=SEFPi12nor,data=datSEFPretINSA SEFPi12norFIT
SEFPi21norFIT<-ugarchfit(spec=SEFPi21nor,data=datSEFPretINSA SEFPi21norFIT
SEFPc11norFIT<-ugarchfit(spec=SEFPc11nor,data=datSEFPretINSA SEFPc11norFIT
SEFPc22norFIT<-ugarchfit(spec=SEFPc22nor,data=datSEFPretINSA SEFPc22norFIT
SEFPc12norFIT<-ugarchfit(spec=SEFPc12nor,data=datSEFPretINSA SEFPc12norFIT
SEFPc21norFIT<-ugarchfit(spec=SEFPc21nor,data=datSEFPretINSA SEFPc21norFIT
```

ElectricityFIT

```
SEECs11edFIT<-ugarchfit(spec=SEECs11eed,data=datSEECretINSA SEECs11gedFIT
SEECs22edFIT<-ugarchfit(spec=SEECs22eed,data=datSEECretINSA SEECs22gedFIT
SEECs12edFIT<-ugarchfit(spec=SEECs12eed,data=datSEECretINSA SEECs12gedFIT
SEECs21edFIT<-ugarchfit(spec=SEECs21eed,data=datSEECretINSA SEECs21gedFIT
SEECe11edFIT<-ugarchfit(spec=SEECe11eed,data=datSEECretINSA SEECe11gedFIT
SEECe22edFIT<-ugarchfit(spec=SEECe22eed,data=datSEECretINSA SEECe22gedFIT
SEECe12edFIT<-ugarchfit(spec=SEECe12eed,data=datSEECretINSA SEECe12gedFIT
SEECe21edFIT<-ugarchfit(spec=SEECe21eed,data=datSEECretINSA SEECe21gedFIT
SEECg11edFIT<-ugarchfit(spec=SEECg11eed,data=datSEECretINSA SEECg11gedFIT
SEECg22edFIT<-ugarchfit(spec=SEECg22eed,data=datSEECretINSA SEECg22gedFIT
SEECg12edFIT<-ugarchfit(spec=SEECg12eed,data=datSEECretINSA SEECg12gedFIT
SEECg21edFIT<-ugarchfit(spec=SEECg21eed,data=datSEECretINSA SEECg21gedFIT
SEECi11edFIT<-ugarchfit(spec=SEECi11eed,data=datSEECretINSA SEECi11gedFIT
SEECi22edFIT<-ugarchfit(spec=SEECi22eed,data=datSEECretINSA SEECi22gedFIT
SEECi12edFIT<-ugarchfit(spec=SEECi12eed,data=datSEECretINSA SEECi12gedFIT
SEECi21edFIT<-ugarchfit(spec=SEECi21eed,data=datSEECretINSA SEECi21gedFIT
SEECc11edFIT<-ugarchfit(spec=SEECc11eed,data=datSEECretINSA SEECc11gedFIT
SEECc22edFIT<-ugarchfit(spec=SEECc22eed,data=datSEECretINSA SEECc22gedFIT
SEECc12edFIT<-ugarchfit(spec=SEECc12eed,data=datSEECretINSA SEECc12gedFIT
SEECc21edFIT<-ugarchfit(spec=SEECc21eed,data=datSEECretINSA SEECc21gedFIT

SEECs11stdFIT<-ugarchfit(spec=SEECs11std,data=datSEECretINSA SEECs11stdFIT
SEECs22stdFIT<-ugarchfit(spec=SEECs22std,data=datSEECretINSA SEECs22stdFIT
SEECs12stdFIT<-ugarchfit(spec=SEECs12std,data=datSEECretINSA SEECs12stdFIT
SEECs21stdFIT<-ugarchfit(spec=SEECs21std,data=datSEECretINSA SEECs21stdFIT
SEECe11stdFIT<-ugarchfit(spec=SEECe11std,data=datSEECretINSA SEECe11stdFIT
SEECe22stdFIT<-ugarchfit(spec=SEECe22std,data=datSEECretINSA SEECe22stdFIT
SEECe12stdFIT<-ugarchfit(spec=SEECe12std,data=datSEECretINSA SEECe12stdFIT
SEECe21stdFIT<-ugarchfit(spec=SEECe21std,data=datSEECretINSA SEECe21stdFIT
SEECe11stdFIT<-ugarchfit(spec=SEECe11std,data=datSEECretINSA SEECg11stdFIT
SEECe22stdFIT<-ugarchfit(spec=SEECe22std,data=datSEECretINSA SEECg22stdFIT
SEECe12stdFIT<-ugarchfit(spec=SEECe12std,data=datSEECretINSA SEECg12stdFIT
SEECe21stdFIT<-ugarchfit(spec=SEECe21std,data=datSEECretINSA SEECg21stdFIT
SEECi11stdFIT<-ugarchfit(spec=SEECi11std,data=datSEECretINSA SEECi11stdFIT
SEECi22stdFIT<-ugarchfit(spec=SEECi22std,data=datSEECretINSA SEECi22stdFIT
SEECi12stdFIT<-ugarchfit(spec=SEECi12std,data=datSEECretINSA SEECi12stdFIT
SEECi21stdFIT<-ugarchfit(spec=SEECi21std,data=datSEECretINSA SEECi21stdFIT
SEECc11stdFIT<-ugarchfit(spec=SEECc11std,data=datSEECretINSA SEECc11stdFIT
SEECc22stdFIT<-ugarchfit(spec=SEECc22std,data=datSEECretINSA SEECc22stdFIT
SEECc12stdFIT<-ugarchfit(spec=SEECc12std,data=datSEECretINSA SEECc12stdFIT
SEECc21stdFIT<-ugarchfit(spec=SEECc21std,data=datSEECretINSA SEECc21stdFIT

SEECs11norFIT<-ugarchfit(spec=SEECs11nor,data=datSEECretINSA SEECs11norFIT
SEECs22norFIT<-ugarchfit(spec=SEECs22nor,data=datSEECretINSA SEECs22norFIT
SEECs12norFIT<-ugarchfit(spec=SEECs12nor,data=datSEECretINSA SEECs12norFIT
SEECs21norFIT<-ugarchfit(spec=SEECs21nor,data=datSEECretINSA SEECs21norFIT
SEECe11norFIT<-ugarchfit(spec=SEECe11nor,data=datSEECretINSA SEECe11norFIT
SEECe22norFIT<-ugarchfit(spec=SEECe22nor,data=datSEECretINSA SEECe22norFIT
SEECe12norFIT<-ugarchfit(spec=SEECe12nor,data=datSEECretINSA SEECe12norFIT
SEECe21norFIT<-ugarchfit(spec=SEECe21nor,data=datSEECretINSA SEECe21norFIT
SEECg11norFIT<-ugarchfit(spec=SEECg11nor,data=datSEECretINSA SEECg11norFIT
```

```
SEECg22norFIT<-ugarchfit(spec=SEECg22nor,data=datSEECretINSA SEECg22norFIT
SEECe12norFIT<-ugarchfit(spec=SEECe12nor,data=datSEECretINSA SEECg12norFIT
SEECe21norFIT<-ugarchfit(spec=SEECe21nor,data=datSEECretINSA SEECg21norFIT
SEEC111norFIT<-ugarchfit(spec=SEEC111nor,data=datSEECretINSA SEEC111norFIT
SEEC122norFIT<-ugarchfit(spec=SEEC122nor,data=datSEECretINSA SEEC122norFIT
SEEC112norFIT<-ugarchfit(spec=SEEC112nor,data=datSEECretINSA SEEC112norFIT
SEEC121norFIT<-ugarchfit(spec=SEEC121nor,data=datSEECretINSA SEEC121norFIT
SEECc11norFIT<-ugarchfit(spec=SEECc11nor,data=datSEECretINSA SEECc11norFIT
SEECc22norFIT<-ugarchfit(spec=SEECc22nor,data=datSEECretINSA SEECc22norFIT
SEECc12norFIT<-ugarchfit(spec=SEECc12nor,data=datSEECretINSA SEECc12norFIT
SEECc21norFIT<-ugarchfit(spec=SEECc21nor,data=datSEECretINSA SEECc21norFIT

##Fixed LineFIT
SEFLs11gedFIT<-ugarchfit(spec=SEFLs11ged,data=datSEFLretINSA SEFLs11gedFIT
SEFLs22gedFIT<-ugarchfit(spec=SEFLs22ged,data=datSEFLretINSA SEFLs22gedFIT
SEFLs12gedFIT<-ugarchfit(spec=SEFLs12ged,data=datSEFLretINSA SEFLs12gedFIT
SEFLs21gedFIT<-ugarchfit(spec=SEFLs21ged,data=datSEFLretINSA SEFLs21gedFIT
SEFLe11gedFIT<-ugarchfit(spec=SEFLe11ged,data=datSEFLretINSA SEFLe11gedFIT
SEFLe22gedFIT<-ugarchfit(spec=SEFLe22ged,data=datSEFLretINSA SEFLe22gedFIT
SEFLe12gedFIT<-ugarchfit(spec=SEFLe12ged,data=datSEFLretINSA SEFLe12gedFIT
SEFLe21gedFIT<-ugarchfit(spec=SEFLe21ged,data=datSEFLretINSA SEFLe21gedFIT
SEFLg11gedFIT<-ugarchfit(spec=SEFLg11ged,data=datSEFLretINSA SEFLg11gedFIT
SEFLg22gedFIT<-ugarchfit(spec=SEFLg22ged,data=datSEFLretINSA SEFLg22gedFIT
SEFLg12gedFIT<-ugarchfit(spec=SEFLg12ged,data=datSEFLretINSA SEFLg12gedFIT
SEFLg21gedFIT<-ugarchfit(spec=SEFLg21ged,data=datSEFLretINSA SEFLg21gedFIT
SEFLi11gedFIT<-ugarchfit(spec=SEFLi11ged,data=datSEFLretINSA SEFLi11gedFIT
SEFLi22gedFIT<-ugarchfit(spec=SEFLi22ged,data=datSEFLretINSA SEFLi22gedFIT
SEFLi12gedFIT<-ugarchfit(spec=SEFLi12ged,data=datSEFLretINSA SEFLi12gedFIT
SEFLi21gedFIT<-ugarchfit(spec=SEFLi21ged,data=datSEFLretINSA SEFLi21gedFIT
SEFLc11gedFIT<-ugarchfit(spec=SEFLc11ged,data=datSEFLretINSA SEFLc11gedFIT
SEFLc22gedFIT<-ugarchfit(spec=SEFLc22ged,data=datSEFLretINSA SEFLc22gedFIT
SEFLc12gedFIT<-ugarchfit(spec=SEFLc12ged,data=datSEFLretINSA SEFLc12gedFIT
SEFLc21gedFIT<-ugarchfit(spec=SEFLc21ged,data=datSEFLretINSA SEFLc21gedFIT

SEFLs11stdFIT<-ugarchfit(spec=SEFLs11std,data=datSEFLretINSA SEFLs11stdFIT
SEFLs22stdFIT<-ugarchfit(spec=SEFLs22std,data=datSEFLretINSA SEFLs22stdFIT
SEFLs12stdFIT<-ugarchfit(spec=SEFLs12std,data=datSEFLretINSA SEFLs12stdFIT
SEFLs21stdFIT<-ugarchfit(spec=SEFLs21std,data=datSEFLretINSA SEFLs21stdFIT
SEFLe11stdFIT<-ugarchfit(spec=SEFLe11std,data=datSEFLretINSA SEFLe11stdFIT
SEFLe22stdFIT<-ugarchfit(spec=SEFLe22std,data=datSEFLretINSA SEFLe22stdFIT
SEFLe12stdFIT<-ugarchfit(spec=SEFLe12std,data=datSEFLretINSA SEFLe12stdFIT
SEFLe21stdFIT<-ugarchfit(spec=SEFLe21std,data=datSEFLretINSA SEFLe21stdFIT
SEFLg11stdFIT<-ugarchfit(spec=SEFLg11std,data=datSEFLretINSA SEFLg11stdFIT
SEFLg22stdFIT<-ugarchfit(spec=SEFLg22std,data=datSEFLretINSA SEFLg22stdFIT
SEFLg12stdFIT<-ugarchfit(spec=SEFLg12std,data=datSEFLretINSA SEFLg12stdFIT
SEFLg21stdFIT<-ugarchfit(spec=SEFLg21std,data=datSEFLretINSA SEFLg21stdFIT
SEFLi11stdFIT<-ugarchfit(spec=SEFLi11std,data=datSEFLretINSA SEFLi11stdFIT
SEFLi22stdFIT<-ugarchfit(spec=SEFLi22std,data=datSEFLretINSA SEFLi22stdFIT
SEFLi12stdFIT<-ugarchfit(spec=SEFLi12std,data=datSEFLretINSA SEFLi12stdFIT
SEFLi21stdFIT<-ugarchfit(spec=SEFLi21std,data=datSEFLretINSA SEFLi21stdFIT
SEFLc11stdFIT<-ugarchfit(spec=SEFLc11std,data=datSEFLretINSA SEFLc11stdFIT
SEFLc22stdFIT<-ugarchfit(spec=SEFLc22std,data=datSEFLretINSA SEFLc22stdFIT
SEFLc12stdFIT<-ugarchfit(spec=SEFLc12std,data=datSEFLretINSA SEFLc12stdFIT
SEFLc21stdFIT<-ugarchfit(spec=SEFLc21std,data=datSEFLretINSA SEFLc21stdFIT

SEFLs11norFIT<-ugarchfit(spec=SEFLs11nor,data=datSEFLretINSA SEFLs11norFIT
SEFLs22norFIT<-ugarchfit(spec=SEFLs22nor,data=datSEFLretINSA SEFLs22norFIT
SEFLs12norFIT<-ugarchfit(spec=SEFLs12nor,data=datSEFLretINSA SEFLs12norFIT
SEFLs21norFIT<-ugarchfit(spec=SEFLs21nor,data=datSEFLretINSA SEFLs21norFIT
SEFLe11norFIT<-ugarchfit(spec=SEFLe11nor,data=datSEFLretINSA SEFLe11norFIT
SEFLe22norFIT<-ugarchfit(spec=SEFLe22nor,data=datSEFLretINSA SEFLe22norFIT
SEFLe12norFIT<-ugarchfit(spec=SEFLe12nor,data=datSEFLretINSA SEFLe12norFIT
SEFLe21norFIT<-ugarchfit(spec=SEFLe21nor,data=datSEFLretINSA SEFLe21norFIT
SEFLg11norFIT<-ugarchfit(spec=SEFLg11nor,data=datSEFLretINSA SEFLg11norFIT
SEFLg22norFIT<-ugarchfit(spec=SEFLg22nor,data=datSEFLretINSA SEFLg22norFIT
SEFLg12norFIT<-ugarchfit(spec=SEFLg12nor,data=datSEFLretINSA SEFLg12norFIT
SEFLe21norFIT<-ugarchfit(spec=SEFLe21nor,data=datSEFLretINSA SEFLg21norFIT
SEFLi11norFIT<-ugarchfit(spec=SEFLi11nor,data=datSEFLretINSA SEFLi11norFIT
SEFLi22norFIT<-ugarchfit(spec=SEFLi22nor,data=datSEFLretINSA SEFLi22norFIT
SEFLi12norFIT<-ugarchfit(spec=SEFLi12nor,data=datSEFLretINSA SEFLi12norFIT
SEFLi21norFIT<-ugarchfit(spec=SEFLi21nor,data=datSEFLretINSA SEFLi21norFIT
SEFLc11norFIT<-ugarchfit(spec=SEFLc11nor,data=datSEFLretINSA SEFLc11norFIT
SEFLc22norFIT<-ugarchfit(spec=SEFLc22nor,data=datSEFLretINSA SEFLc22norFIT
SEFLc12norFIT<-ugarchfit(spec=SEFLc12nor,data=datSEFLretINSA SEFLc12norFIT
SEFLc21norFIT<-ugarchfit(spec=SEFLc21nor,data=datSEFLretINSA SEFLc21norFIT

##Gas WaterFIT
SEUTs11gedFIT<-ugarchfit(spec=SEUTs11ged,data=datSEUTretINSA SEUTs11gedFIT
SEUTs22gedFIT<-ugarchfit(spec=SEUTs22ged,data=datSEUTretINSA SEUTs22gedFIT
SEUTs12gedFIT<-ugarchfit(spec=SEUTs12ged,data=datSEUTretINSA SEUTs12gedFIT
SEUTs21gedFIT<-ugarchfit(spec=SEUTs21ged,data=datSEUTretINSA SEUTs21gedFIT
SEUTe11gedFIT<-ugarchfit(spec=SEUTe11ged,data=datSEUTretINSA SEUTe11gedFIT
SEUTe22gedFIT<-ugarchfit(spec=SEUTe22ged,data=datSEUTretINSA SEUTe22gedFIT
SEUTe12gedFIT<-ugarchfit(spec=SEUTe12ged,data=datSEUTretINSA SEUTe12gedFIT
SEUTe21gedFIT<-ugarchfit(spec=SEUTe21ged,data=datSEUTretINSA SEUTe21gedFIT
SEUTg11gedFIT<-ugarchfit(spec=SEUTg11ged,data=datSEUTretINSA SEUTg11gedFIT
SEUTg22gedFIT<-ugarchfit(spec=SEUTg22ged,data=datSEUTretINSA SEUTg22gedFIT
SEUTg12gedFIT<-ugarchfit(spec=SEUTg12ged,data=datSEUTretINSA SEUTg12gedFIT
SEUTg21gedFIT<-ugarchfit(spec=SEUTg21ged,data=datSEUTretINSA SEUTg21gedFIT
SEUTi11gedFIT<-ugarchfit(spec=SEUTi11ged,data=datSEUTretINSA SEUTi11gedFIT
SEUTi22gedFIT<-ugarchfit(spec=SEUTi22ged,data=datSEUTretINSA SEUTi22gedFIT
SEUTi12gedFIT<-ugarchfit(spec=SEUTi12ged,data=datSEUTretINSA SEUTi12gedFIT
SEUTi21gedFIT<-ugarchfit(spec=SEUTi21ged,data=datSEUTretINSA SEUTi21gedFIT
SEUTc11gedFIT<-ugarchfit(spec=SEUTc11ged,data=datSEUTretINSA SEUTc11gedFIT
SEUTc22gedFIT<-ugarchfit(spec=SEUTc22ged,data=datSEUTretINSA SEUTc22gedFIT
SEUTc12gedFIT<-ugarchfit(spec=SEUTc12ged,data=datSEUTretINSA SEUTc12gedFIT
SEUTc21gedFIT<-ugarchfit(spec=SEUTc21ged,data=datSEUTretINSA SEUTc21gedFIT

SEUTs11stdFIT<-ugarchfit(spec=SEUTs11std,data=datSEUTretINSA SEUTs11stdFIT
SEUTs22stdFIT<-ugarchfit(spec=SEUTs22std,data=datSEUTretINSA SEUTs22stdFIT
SEUTs12stdFIT<-ugarchfit(spec=SEUTs12std,data=datSEUTretINSA SEUTs12stdFIT
SEUTs21stdFIT<-ugarchfit(spec=SEUTs21std,data=datSEUTretINSA SEUTs21stdFIT
SEUTe11stdFIT<-ugarchfit(spec=SEUTe11std,data=datSEUTretINSA SEUTe11stdFIT
SEUTe22stdFIT<-ugarchfit(spec=SEUTe22std,data=datSEUTretINSA SEUTe22stdFIT
SEUTe12stdFIT<-ugarchfit(spec=SEUTe12std,data=datSEUTretINSA SEUTe12stdFIT
SEUTe21stdFIT<-ugarchfit(spec=SEUTe21std,data=datSEUTretINSA SEUTe21stdFIT
SEUTg11stdFIT<-ugarchfit(spec=SEUTg11std,data=datSEUTretINSA SEUTg11stdFIT
SEUTg22stdFIT<-ugarchfit(spec=SEUTg22std,data=datSEUTretINSA SEUTg22stdFIT
SEUTg12stdFIT<-ugarchfit(spec=SEUTg12std,data=datSEUTretINSA SEUTg12stdFIT
SEUTg21stdFIT<-ugarchfit(spec=SEUTg21std,data=datSEUTretINSA SEUTg21stdFIT
SEUTi11stdFIT<-ugarchfit(spec=SEUTi11std,data=datSEUTretINSA SEUTi11stdFIT
SEUTi22stdFIT<-ugarchfit(spec=SEUTi22std,data=datSEUTretINSA SEUTi22stdFIT
SEUTi12stdFIT<-ugarchfit(spec=SEUTi12std,data=datSEUTretINSA SEUTi12stdFIT
SEUTi21stdFIT<-ugarchfit(spec=SEUTi21std,data=datSEUTretINSA SEUTi21stdFIT
SEUTc11stdFIT<-ugarchfit(spec=SEUTc11std,data=datSEUTretINSA SEUTc11stdFIT
SEUTc22stdFIT<-ugarchfit(spec=SEUTc22std,data=datSEUTretINSA SEUTc22stdFIT
SEUTc12stdFIT<-ugarchfit(spec=SEUTc12std,data=datSEUTretINSA SEUTc12stdFIT
SEUTc21stdFIT<-ugarchfit(spec=SEUTc21std,data=datSEUTretINSA SEUTc21stdFIT

SEUTs11norFIT<-ugarchfit(spec=SEUTs11nor,data=datSEUTretINSA SEUTs11norFIT
SEUTs22norFIT<-ugarchfit(spec=SEUTs22nor,data=datSEUTretINSA SEUTs22norFIT
SEUTs12norFIT<-ugarchfit(spec=SEUTs12nor,data=datSEUTretINSA SEUTs12norFIT
SEUTs21norFIT<-ugarchfit(spec=SEUTs21nor,data=datSEUTretINSA SEUTs21norFIT
SEUTe11norFIT<-ugarchfit(spec=SEUTe11nor,data=datSEUTretINSA SEUTe11norFIT
SEUTe22norFIT<-ugarchfit(spec=SEUTe22nor,data=datSEUTretINSA SEUTe22norFIT
SEUTe12norFIT<-ugarchfit(spec=SEUTe12nor,data=datSEUTretINSA SEUTe12norFIT
SEUTe21norFIT<-ugarchfit(spec=SEUTe21nor,data=datSEUTretINSA SEUTe21norFIT
SEUTg11norFIT<-ugarchfit(spec=SEUTg11nor,data=datSEUTretINSA SEUTg11norFIT
SEUTg22norFIT<-ugarchfit(spec=SEUTg22nor,data=datSEUTretINSA SEUTg22norFIT
SEUTg12norFIT<-ugarchfit(spec=SEUTg12nor,data=datSEUTretINSA SEUTg12norFIT
SEUTg21norFIT<-ugarchfit(spec=SEUTg21nor,data=datSEUTretINSA SEUTg21norFIT
SEUTi11norFIT<-ugarchfit(spec=SEUTi11nor,data=datSEUTretINSA SEUTi11norFIT
SEUTi22norFIT<-ugarchfit(spec=SEUTi22nor,data=datSEUTretINSA SEUTi22norFIT
SEUTi12norFIT<-ugarchfit(spec=SEUTi12nor,data=datSEUTretINSA SEUTi12norFIT
SEUTi21norFIT<-ugarchfit(spec=SEUTi21nor,data=datSEUTretINSA SEUTi21norFIT
SEUTc11norFIT<-ugarchfit(spec=SEUTc11nor,data=datSEUTretINSA SEUTc11norFIT
SEUTc22norFIT<-ugarchfit(spec=SEUTc22nor,data=datSEUTretINSA SEUTc22norFIT
SEUTc12norFIT<-ugarchfit(spec=SEUTc12nor,data=datSEUTretINSA SEUTc12norFIT
SEUTc21norFIT<-ugarchfit(spec=SEUTc21nor,data=datSEUTretINSA SEUTc21norFIT

##Industrial Transportation FIT
SETRs11gedFIT<-ugarchfit(spec=SETRs11ged,data=datSETRretINSA SETRs11gedFIT
SETRs22gedFIT<-ugarchfit(spec=SETRs22ged,data=datSETRretINSA SETRs22gedFIT
SETRs12gedFIT<-ugarchfit(spec=SETRs12ged,data=datSETRretINSA SETRs12gedFIT
SETRs21gedFIT<-ugarchfit(spec=SETRs21ged,data=datSETRretINSA SETRs21gedFIT
SETRe11gedFIT<-ugarchfit(spec=SETRe11ged,data=datSETRretINSA SETRe11gedFIT
SETRe22gedFIT<-ugarchfit(spec=SETRe22ged,data=datSETRretINSA SETRe22gedFIT
SETRe12gedFIT<-ugarchfit(spec=SETRe12ged,data=datSETRretINSA SETRe12gedFIT
SETRe21gedFIT<-ugarchfit(spec=SETRe21ged,data=datSETRretINSA SETRe21gedFIT
SETRg11gedFIT<-ugarchfit(spec=SETRg11ged,data=datSETRretINSA SETRg11gedFIT
SETRg22gedFIT<-ugarchfit(spec=SETRg22ged,data=datSETRretINSA SETRg22gedFIT
SETRg12gedFIT<-ugarchfit(spec=SETRg12ged,data=datSETRretINSA SETRg12gedFIT
SETRg21gedFIT<-ugarchfit(spec=SETRg21ged,data=datSETRretINSA SETRg21gedFIT
SETRi11gedFIT<-ugarchfit(spec=SETRi11ged,data=datSETRretINSA SETRi11gedFIT
SETRi22gedFIT<-ugarchfit(spec=SETRi22ged,data=datSETRretINSA SETRi22gedFIT
SETRi12gedFIT<-ugarchfit(spec=SETRi12ged,data=datSETRretINSA SETRi12gedFIT
SETRi21gedFIT<-ugarchfit(spec=SETRi21ged,data=datSETRretINSA SETRi21gedFIT
SETRc11gedFIT<-ugarchfit(spec=SETRc11ged,data=datSETRretINSA SETRc11gedFIT
SETRc22gedFIT<-ugarchfit(spec=SETRc22ged,data=datSETRretINSA SETRc22gedFIT
SETRc12gedFIT<-ugarchfit(spec=SETRc12ged,data=datSETRretINSA SETRc12gedFIT
SETRc21gedFIT<-ugarchfit(spec=SETRc21ged,data=datSETRretINSA SETRc21gedFIT

SETRs11stdFIT<-ugarchfit(spec=SETRs11std,data=datSETRretINSA SETRs11stdFIT
SETRs22stdFIT<-ugarchfit(spec=SETRs22std,data=datSETRretINSA SETRs22stdFIT
SETRs12stdFIT<-ugarchfit(spec=SETRs12std,data=datSETRretINSA SETRs12stdFIT
SETRs21stdFIT<-ugarchfit(spec=SETRs21std,data=datSETRretINSA SETRs21stdFIT
SETRe11stdFIT<-ugarchfit(spec=SETRe11std,data=datSETRretINSA SETRe11stdFIT
SETRe22stdFIT<-ugarchfit(spec=SETRe22std,data=datSETRretINSA SETRe22stdFIT
SETRe12stdFIT<-ugarchfit(spec=SETRe12std,data=datSETRretINSA SETRe12stdFIT
SETRe21stdFIT<-ugarchfit(spec=SETRe21std,data=datSETRretINSA SETRe21stdFIT
SETRg11stdFIT<-ugarchfit(spec=SETRg11std,data=datSETRretINSA SETRg11stdFIT
SETRg22stdFIT<-ugarchfit(spec=SETRg22std,data=datSETRretINSA SETRg22stdFIT
SETRe12stdFIT<-ugarchfit(spec=SETRe12std,data=datSETRretINSA SETRg12stdFIT
SETRe21stdFIT<-ugarchfit(spec=SETRe21std,data=datSETRretINSA SETRg21stdFIT
SETRi11stdFIT<-ugarchfit(spec=SETRi11std,data=datSETRretINSA SETRi11stdFIT
SETRi22stdFIT<-ugarchfit(spec=SETRi22std,data=datSETRretINSA SETRi22stdFIT
SETRi12stdFIT<-ugarchfit(spec=SETRi12std,data=datSETRretINSA SETRi12stdFIT
SETRi21stdFIT<-ugarchfit(spec=SETRi21std,data=datSETRretINSA SETRi21stdFIT
SETRc11stdFIT<-ugarchfit(spec=SETRc11std,data=datSETRretINSA SETRc11stdFIT
SETRc22stdFIT<-ugarchfit(spec=SETRc22std,data=datSETRretINSA SETRc22stdFIT
SETRc12stdFIT<-ugarchfit(spec=SETRc12std,data=datSETRretINSA SETRc12stdFIT
SETRc21stdFIT<-ugarchfit(spec=SETRc21std,data=datSETRretINSA SETRc21stdFIT

SETRs11norFIT<-ugarchfit(spec=SETRs11nor,data=datSETRretINSA SETRs11norFIT
SETRs22norFIT<-ugarchfit(spec=SETRs22nor,data=datSETRretINSA SETRs22norFIT
SETRs12norFIT<-ugarchfit(spec=SETRs12nor,data=datSETRretINSA SETRs12norFIT
SETRs21norFIT<-ugarchfit(spec=SETRs21nor,data=datSETRretINSA SETRs21norFIT
SETRe11norFIT<-ugarchfit(spec=SETRe11nor,data=datSETRretINSA SETRe11norFIT
SETRe22norFIT<-ugarchfit(spec=SETRe22nor,data=datSETRretINSA SETRe22norFIT
SETRe12norFIT<-ugarchfit(spec=SETRe12nor,data=datSETRretINSA SETRe12norFIT
SETRe21norFIT<-ugarchfit(spec=SETRe21nor,data=datSETRretINSA SETRe21norFIT
SETRg11norFIT<-ugarchfit(spec=SETRg11nor,data=datSETRretINSA SETRg11norFIT
SETRg22norFIT<-ugarchfit(spec=SETRg22nor,data=datSETRretINSA SETRg22norFIT
SETRg12norFIT<-ugarchfit(spec=SETRg12nor,data=datSETRretINSA SETRg12norFIT
SETRg21norFIT<-ugarchfit(spec=SETRg21nor,data=datSETRretINSA SETRg21norFIT
```

```
SETRi11norFIT<-ugarchfit(spec=SETRi11nor,data=datSETRretINSA SETRi11norFIT
SETRi12norFIT<-ugarchfit(spec=SETRi12nor,data=datSETRretINSA SETRi12norFIT
SETRi11norFIT<-ugarchfit(spec=SETRi11nor,data=datSETRretINSA SETRi12norFIT
SETRi21norFIT<-ugarchfit(spec=SETRi21nor,data=datSETRretINSA SETRi21norFIT
SETRc11norFIT<-ugarchfit(spec=SETRc11nor,data=datSETRretINSA SETRc11norFIT
SETRc22norFIT<-ugarchfit(spec=SETRc22nor,data=datSETRretINSA SETRc22norFIT
SETRc12norFIT<-ugarchfit(spec=SETRc12nor,data=datSETRretINSA SETRc12norFIT
SETRc21norFIT<-ugarchfit(spec=SETRc21nor,data=datSETRretINSA SETRc21norFIT

##Mobile TelecommunicationFIT
SEMOs11gedFIT<-ugarchfit(spec=SEMOs11ged,data=datSEMOretINSA SEMOs11gedFIT
SEMOs22gedFIT<-ugarchfit(spec=SEMOs22ged,data=datSEMOretINSA SEMOs22gedFIT
SEMOs12gedFIT<-ugarchfit(spec=SEMOs12ged,data=datSEMOretINSA SEMOs12gedFIT
SEMOs21gedFIT<-ugarchfit(spec=SEMOs21ged,data=datSEMOretINSA SEMOs21gedFIT
SEMOe11gedFIT<-ugarchfit(spec=SEMOe11eed,data=datSEMOretINSA SEMOe11gedFIT
SEMOe22gedFIT<-ugarchfit(spec=SEMOe22eed,data=datSEMOretINSA SEMOe22gedFIT
SEMOe12gedFIT<-ugarchfit(spec=SEMOe12eed,data=datSEMOretINSA SEMOe12gedFIT
SEMOe21gedFIT<-ugarchfit(spec=SEMOe21eed,data=datSEMOretINSA SEMOe21gedFIT
SEMOg11gedFIT<-ugarchfit(spec=SEMOg11eed,data=datSEMOretINSA SEMOg11gedFIT
SEMOg22gedFIT<-ugarchfit(spec=SEMOg22eed,data=datSEMOretINSA SEMOg22gedFIT
SEMOg12gedFIT<-ugarchfit(spec=SEMOg12eed,data=datSEMOretINSA SEMOg12gedFIT
SEMOg21gedFIT<-ugarchfit(spec=SEMOg21eed,data=datSEMOretINSA SEMOg21gedFIT
SEMOi11gedFIT<-ugarchfit(spec=SEMOi11ged,data=datSEMOretINSA SEMOi11gedFIT
SEMOi22gedFIT<-ugarchfit(spec=SEMOi22ged,data=datSEMOretINSA SEMOi22gedFIT
SEMOi12gedFIT<-ugarchfit(spec=SEMOi12ged,data=datSEMOretINSA SEMOi12gedFIT
SEMOi21gedFIT<-ugarchfit(spec=SEMOi21ged,data=datSEMOretINSA SEMOi21gedFIT
SEMOc11gedFIT<-ugarchfit(spec=SEMOc11eed,data=datSEMOretINSA SEMOc11gedFIT
SEMOc22gedFIT<-ugarchfit(spec=SEMOc22eed,data=datSEMOretINSA SEMOc22gedFIT
SEMOc12gedFIT<-ugarchfit(spec=SEMOc12eed,data=datSEMOretINSA SEMOc12gedFIT
SEMOc21gedFIT<-ugarchfit(spec=SEMOc21eed,data=datSEMOretINSA SEMOc21gedFIT

SEMOs11stdFIT<-ugarchfit(spec=SEMOs11std,data=datSEMOretINSA SEMOs11stdFIT
SEMOs22stdFIT<-ugarchfit(spec=SEMOs22std,data=datSEMOretINSA SEMOs22stdFIT
SEMOs12stdFIT<-ugarchfit(spec=SEMOs12std,data=datSEMOretINSA SEMOs12stdFIT
SEMOs21stdFIT<-ugarchfit(spec=SEMOs21std,data=datSEMOretINSA SEMOs21stdFIT
SEMOe11stdFIT<-ugarchfit(spec=SEMOe11std,data=datSEMOretINSA SEMOe11stdFIT
SEMOe22stdFIT<-ugarchfit(spec=SEMOe22std,data=datSEMOretINSA SEMOe22stdFIT
SEMOe12stdFIT<-ugarchfit(spec=SEMOe12std,data=datSEMOretINSA SEMOe12stdFIT
SEMOe21stdFIT<-ugarchfit(spec=SEMOe21std,data=datSEMOretINSA SEMOe21stdFIT
SEMOg11stdFIT<-ugarchfit(spec=SEMOg11std,data=datSEMOretINSA SEMOg11stdFIT
SEMOe22stdFIT<-ugarchfit(spec=SEMOe22std,data=datSEMOretINSA SEMOg22stdFIT
SEMOe12stdFIT<-ugarchfit(spec=SEMOe12std,data=datSEMOretINSA SEMOg12stdFIT
SEMOe21stdFIT<-ugarchfit(spec=SEMOe21std,data=datSEMOretINSA SEMOg21stdFIT
SEMOi11stdFIT<-ugarchfit(spec=SEMOi11std,data=datSEMOretINSA SEMOi11stdFIT
SEMOi22stdFIT<-ugarchfit(spec=SEMOi22std,data=datSEMOretINSA SEMOi22stdFIT
SEMOi12stdFIT<-ugarchfit(spec=SEMOi12std,data=datSEMOretINSA SEMOi12stdFIT
SEMOi21stdFIT<-ugarchfit(spec=SEMOi21std,data=datSEMOretINSA SEMOi21stdFIT
SEMOc11stdFIT<-ugarchfit(spec=SEMOc11std,data=datSEMOretINSA SEMOc11stdFIT
SEMOc22stdFIT<-ugarchfit(spec=SEMOc22std,data=datSEMOretINSA SEMOc22stdFIT
SEMOc12stdFIT<-ugarchfit(spec=SEMOc12std,data=datSEMOretINSA SEMOc12stdFIT
SEMOc21stdFIT<-ugarchfit(spec=SEMOc21std,data=datSEMOretINSA SEMOc21stdFIT

SEMOs11norFIT<-ugarchfit(spec=SEMOs11nor,data=datSEMOretINSA SEMOs11norFIT
SEMOs22norFIT<-ugarchfit(spec=SEMOs22nor,data=datSEMOretINSA SEMOs22norFIT
SEMOs12norFIT<-ugarchfit(spec=SEMOs12nor,data=datSEMOretINSA SEMOs12norFIT
SEMOs21norFIT<-ugarchfit(spec=SEMOs21nor,data=datSEMOretINSA SEMOs21norFIT
SEMOe11norFIT<-ugarchfit(spec=SEMOe11nor,data=datSEMOretINSA SEMOe11norFIT
SEMOe22norFIT<-ugarchfit(spec=SEMOe22nor,data=datSEMOretINSA SEMOe22norFIT
SEMOe12norFIT<-ugarchfit(spec=SEMOe12nor,data=datSEMOretINSA SEMOe12norFIT
SEMOe21norFIT<-ugarchfit(spec=SEMOe21nor,data=datSEMOretINSA SEMOe21norFIT
SEMOg11norFIT<-ugarchfit(spec=SEMOg11nor,data=datSEMOretINSA SEMOg11norFIT
SEMOg22norFIT<-ugarchfit(spec=SEMOg22nor,data=datSEMOretINSA SEMOg22norFIT
SEMOg12norFIT<-ugarchfit(spec=SEMOg12nor,data=datSEMOretINSA SEMOg12norFIT
SEMOg21norFIT<-ugarchfit(spec=SEMOg21nor,data=datSEMOretINSA SEMOg21norFIT
SEMOi11norFIT<-ugarchfit(spec=SEMOi11nor,data=datSEMOretINSA SEMOi11norFIT
SEMOi22norFIT<-ugarchfit(spec=SEMOi22nor,data=datSEMOretINSA SEMOi22norFIT
SEMOi12norFIT<-ugarchfit(spec=SEMOi12nor,data=datSEMOretINSA SEMOi12norFIT
SEMOi21norFIT<-ugarchfit(spec=SEMOi21nor,data=datSEMOretINSA SEMOi21norFIT
SEMOc11norFIT<-ugarchfit(spec=SEMOc11nor,data=datSEMOretINSA SEMOc11norFIT
SEMOc22norFIT<-ugarchfit(spec=SEMOc22nor,data=datSEMOretINSA SEMOc22norFIT
SEMOc12norFIT<-ugarchfit(spec=SEMOc12nor,data=datSEMOretINSA SEMOc12norFIT
SEMOc21norFIT<-ugarchfit(spec=SEMOc21nor,data=datSEMOretINSA SEMOc21norFIT

##Oil and Gas FIT
SEOGs11gedFIT<-ugarchfit(spec=SEOGs11ged,data=datSEOGretINSA SEOGs11gedFIT
SEOGs22gedFIT<-ugarchfit(spec=SEOGs22ged,data=datSEOGretINSA SEOGs22gedFIT
SEOGs12gedFIT<-ugarchfit(spec=SEOGs12ged,data=datSEOGretINSA SEOGs12gedFIT
SEOGs21gedFIT<-ugarchfit(spec=SEOGs21ged,data=datSEOGretINSA SEOGs21gedFIT
SEOGe11gedFIT<-ugarchfit(spec=SEOGe11eed,data=datSEOGretINSA SEOGe11gedFIT
SEOGe22gedFIT<-ugarchfit(spec=SEOGe22eed,data=datSEOGretINSA SEOGe22gedFIT
SEOGe12gedFIT<-ugarchfit(spec=SEOGe12eed,data=datSEOGretINSA SEOGe12gedFIT
SEOGe21gedFIT<-ugarchfit(spec=SEOGe21eed,data=datSEOGretINSA SEOGe21gedFIT
SEOGa11gedFIT<-ugarchfit(spec=SEOGa11eed,data=datSEOGretINSA SEOGa11gedFIT
SEOGa22gedFIT<-ugarchfit(spec=SEOGa22eed,data=datSEOGretINSA SEOGa22gedFIT
SEOGa12gedFIT<-ugarchfit(spec=SEOGa12eed,data=datSEOGretINSA SEOGa12gedFIT
SEOGa21gedFIT<-ugarchfit(spec=SEOGa21eed,data=datSEOGretINSA SEOGa21gedFIT
SEOGi11gedFIT<-ugarchfit(spec=SEOGi11ged,data=datSEOGretINSA SEOGi11gedFIT
SEOGi22gedFIT<-ugarchfit(spec=SEOGi22ged,data=datSEOGretINSA SEOGi22gedFIT
SEOGi12gedFIT<-ugarchfit(spec=SEOGi12ged,data=datSEOGretINSA SEOGi12gedFIT
SEOGi21gedFIT<-ugarchfit(spec=SEOGi21ged,data=datSEOGretINSA SEOGi21gedFIT
SEOGc11gedFIT<-ugarchfit(spec=SEOGc11eed,data=datSEOGretINSA SEOGc11gedFIT
SEOGc22gedFIT<-ugarchfit(spec=SEOGc22eed,data=datSEOGretINSA SEOGc22gedFIT
SEOGc12gedFIT<-ugarchfit(spec=SEOGc12eed,data=datSEOGretINSA SEOGc12gedFIT
SEOGc21gedFIT<-ugarchfit(spec=SEOGc21eed,data=datSEOGretINSA SEOGc21gedFIT

SEOGs11stdFIT<-ugarchfit(spec=SEOGs11std,data=datSEOGretINSA SEOGs11stdFIT
SEOGs22stdFIT<-ugarchfit(spec=SEOGs22std,data=datSEOGretINSA SEOGs22stdFIT
SEOGs12stdFIT<-ugarchfit(spec=SEOGs12std,data=datSEOGretINSA SEOGs12stdFIT
SEOGs21stdFIT<-ugarchfit(spec=SEOGs21std,data=datSEOGretINSA SEOGs21stdFIT
SEOGe11stdFIT<-ugarchfit(spec=SEOGe11std,data=datSEOGretINSA SEOGe11stdFIT
SEOGe22stdFIT<-ugarchfit(spec=SEOGe22std,data=datSEOGretINSA SEOGe22stdFIT
SEOGe12stdFIT<-ugarchfit(spec=SEOGe12std,data=datSEOGretINSA SEOGe12stdFIT
SEOGe21stdFIT<-ugarchfit(spec=SEOGe21std,data=datSEOGretINSA SEOGe21stdFIT
SEOGg11stdFIT<-ugarchfit(spec=SEOGg11std,data=datSEOGretINSA SEOGg11stdFIT
SEOGg22stdFIT<-ugarchfit(spec=SEOGg22std,data=datSEOGretINSA SEOGg22stdFIT
SEOGg12stdFIT<-ugarchfit(spec=SEOGg12std,data=datSEOGretINSA SEOGg12stdFIT
SEOGa21stdFIT<-ugarchfit(spec=SEOGa21std,data=datSEOGretINSA SEOGa21stdFIT
SEOGi11stdFIT<-ugarchfit(spec=SEOGi11std,data=datSEOGretINSA SEOGi11stdFIT
SEOGi22stdFIT<-ugarchfit(spec=SEOGi22std,data=datSEOGretINSA SEOGi22stdFIT
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SEOGi21stdFIT<-ugarchfit(spec=SEOGi21std,data=datSEOGretINSA SEOGi21stdFIT
SEOGc11stdFIT<-ugarchfit(spec=SEOGc11std,data=datSEOGretINSA SEOGc11stdFIT
SEOGc22stdFIT<-ugarchfit(spec=SEOGc22std,data=datSEOGretINSA SEOGc22stdFIT
SEOGc12stdFIT<-ugarchfit(spec=SEOGc12std,data=datSEOGretINSA SEOGc12stdFIT
SEOGc21stdFIT<-ugarchfit(spec=SEOGc21std,data=datSEOGretINSA SEOGc21stdFIT

SEOGs11norFIT<-ugarchfit(spec=SEOGs11nor,data=datSEOGretINSA SEOGs11norFIT
SEOGs22norFIT<-ugarchfit(spec=SEOGs22nor,data=datSEOGretINSA SEOGs22norFIT
SEOGs12norFIT<-ugarchfit(spec=SEOGs12nor,data=datSEOGretINSA SEOGs12norFIT
SEOGs21norFIT<-ugarchfit(spec=SEOGs21nor,data=datSEOGretINSA SEOGs21norFIT
SEOGe11norFIT<-ugarchfit(spec=SEOGe11nor,data=datSEOGretINSA SEOGe11norFIT
SEOGe22norFIT<-ugarchfit(spec=SEOGe22nor,data=datSEOGretINSA SEOGe22norFIT
SEOGe12norFIT<-ugarchfit(spec=SEOGe12nor,data=datSEOGretINSA SEOGe12norFIT
SEOGe21norFIT<-ugarchfit(spec=SEOGe21nor,data=datSEOGretINSA SEOGe21norFIT
SEOGa11norFIT<-ugarchfit(spec=SEOGa11nor,data=datSEOGretINSA SEOGg11norFIT
SEOGe22norFIT<-ugarchfit(spec=SEOGe22nor,data=datSEOGretINSA SEOGg22norFIT
SEOGg12norFIT<-ugarchfit(spec=SEOGg12nor,data=datSEOGretINSA SEOGg12norFIT
SEOGg21norFIT<-ugarchfit(spec=SEOGg21nor,data=datSEOGretINSA SEOGg21norFIT
SEOGi11norFIT<-ugarchfit(spec=SEOGi11nor,data=datSEOGretINSA SEOGi11norFIT
SEOGi22norFIT<-ugarchfit(spec=SEOGi22nor,data=datSEOGretINSA SEOGi22norFIT
SEOGi12norFIT<-ugarchfit(spec=SEOGi12nor,data=datSEOGretINSA SEOGi12norFIT
SEOGi21norFIT<-ugarchfit(spec=SEOGi21nor,data=datSEOGretINSA SEOGi21norFIT
SEOGc11norFIT<-ugarchfit(spec=SEOGc11nor,data=datSEOGretINSA SEOGc11norFIT
SEOGc22norFIT<-ugarchfit(spec=SEOGc22nor,data=datSEOGretINSA SEOGc22norFIT
SEOGc12norFIT<-ugarchfit(spec=SEOGc12nor,data=datSEOGretINSA SEOGc12norFIT
SEOGc21norFIT<-ugarchfit(spec=SEOGc21nor,data=datSEOGretINSA SEOGc21norFIT

##Oil Equipment
SEOEs11gedFIT<-ugarchfit(spec=SEOEs11ged,data=datSEOEretINSA SEOEs11gedFIT
SEOEs22gedFIT<-ugarchfit(spec=SEOEs22ged,data=datSEOEretINSA SEOEs22gedFIT
SEOEs12gedFIT<-ugarchfit(spec=SEOEs12ged,data=datSEOEretINSA SEOEs12gedFIT
SEOEs21gedFIT<-ugarchfit(spec=SEOEs21ged,data=datSEOEretINSA SEOEs21gedFIT
SEOEe11gedFIT<-ugarchfit(spec=SEOEe11eed,data=datSEOEretINSA SEOEe11gedFIT
SEOEe22gedFIT<-ugarchfit(spec=SEOEe22eed,data=datSEOEretINSA SEOEe22gedFIT
SEOEe12gedFIT<-ugarchfit(spec=SEOEe12eed,data=datSEOEretINSA SEOEe12gedFIT
SEOEe21gedFIT<-ugarchfit(spec=SEOEe21eed,data=datSEOEretINSA SEOEe21gedFIT
SEOEa11gedFIT<-ugarchfit(spec=SEOEa11eed,data=datSEOEretINSA SEOEg11gedFIT
SEOEa22gedFIT<-ugarchfit(spec=SEOEa22eed,data=datSEOEretINSA SEOEg22gedFIT
SEOEa12gedFIT<-ugarchfit(spec=SEOEa12eed,data=datSEOEretINSA SEOEg12gedFIT
SEOEa21gedFIT<-ugarchfit(spec=SEOEa21eed,data=datSEOEretINSA SEOEg21gedFIT
SEOEi11gedFIT<-ugarchfit(spec=SEOEi11eed,data=datSEOEretINSA SEOEi11gedFIT
SEOEi22gedFIT<-ugarchfit(spec=SEOEi22eed,data=datSEOEretINSA SEOEi22gedFIT
SEOEi12gedFIT<-ugarchfit(spec=SEOEi12eed,data=datSEOEretINSA SEOEi12gedFIT
SEOEi21gedFIT<-ugarchfit(spec=SEOEi21eed,data=datSEOEretINSA SEOEi21gedFIT
SEOEc11gedFIT<-ugarchfit(spec=SEOEc11eed,data=datSEOEretINSA SEOEc11gedFIT
SEOEc22gedFIT<-ugarchfit(spec=SEOEc22eed,data=datSEOEretINSA SEOEc22gedFIT
SEOEc12gedFIT<-ugarchfit(spec=SEOEc12eed,data=datSEOEretINSA SEOEc12gedFIT
SEOEc21gedFIT<-ugarchfit(spec=SEOEc21eed,data=datSEOEretINSA SEOEc21gedFIT

SEOEs11stdFIT<-ugarchfit(spec=SEOEs11std,data=datSEOEretINSA SEOEs11stdFIT
SEOEs22stdFIT<-ugarchfit(spec=SEOEs22std,data=datSEOEretINSA SEOEs22stdFIT
SEOEs12stdFIT<-ugarchfit(spec=SEOEs12std,data=datSEOEretINSA SEOEs12stdFIT
SEOEs21stdFIT<-ugarchfit(spec=SEOEs21std,data=datSEOEretINSA SEOEs21stdFIT
SEOEe11stdFIT<-ugarchfit(spec=SEOEe11std,data=datSEOEretINSA SEOEe11stdFIT
SEOEe22stdFIT<-ugarchfit(spec=SEOEe22std,data=datSEOEretINSA SEOEe22stdFIT
SEOEe12stdFIT<-ugarchfit(spec=SEOEe12std,data=datSEOEretINSA SEOEe12stdFIT
SEOEe21stdFIT<-ugarchfit(spec=SEOEe21std,data=datSEOEretINSA SEOEe21stdFIT
SEOEg11stdFIT<-ugarchfit(spec=SEOEg11std,data=datSEOEretINSA SEOEg11stdFIT
SEOEg22stdFIT<-ugarchfit(spec=SEOEg22std,data=datSEOEretINSA SEOEg22stdFIT
SEOEg12stdFIT<-ugarchfit(spec=SEOEg12std,data=datSEOEretINSA SEOEg12stdFIT
SEOEg21stdFIT<-ugarchfit(spec=SEOEg21std,data=datSEOEretINSA SEOEg21stdFIT
SEOEi11stdFIT<-ugarchfit(spec=SEOEi11std,data=datSEOEretINSA SEOEi11stdFIT
SEOEi22stdFIT<-ugarchfit(spec=SEOEi22std,data=datSEOEretINSA SEOEi22stdFIT
SEOEi12stdFIT<-ugarchfit(spec=SEOEi12std,data=datSEOEretINSA SEOEi12stdFIT
SEOEi21stdFIT<-ugarchfit(spec=SEOEi21std,data=datSEOEretINSA SEOEi21stdFIT
SEOEc11stdFIT<-ugarchfit(spec=SEOEc11std,data=datSEOEretINSA SEOEc11stdFIT
SEOEc22stdFIT<-ugarchfit(spec=SEOEc22std,data=datSEOEretINSA SEOEc22stdFIT
SEOEc12stdFIT<-ugarchfit(spec=SEOEc12std,data=datSEOEretINSA SEOEc12stdFIT
SEOEc21stdFIT<-ugarchfit(spec=SEOEc21std,data=datSEOEretINSA SEOEc21stdFIT

SEOEs11norFIT<-ugarchfit(spec=SEOEs11nor,data=datSEOEretINSA SEOEs11norFIT
SEOEs22norFIT<-ugarchfit(spec=SEOEs22nor,data=datSEOEretINSA SEOEs22norFIT
SEOEs12norFIT<-ugarchfit(spec=SEOEs12nor,data=datSEOEretINSA SEOEs12norFIT
SEOEs21norFIT<-ugarchfit(spec=SEOEs21nor,data=datSEOEretINSA SEOEs21norFIT
SEOEe11norFIT<-ugarchfit(spec=SEOEe11nor,data=datSEOEretINSA SEOEe11norFIT
SEOEe22norFIT<-ugarchfit(spec=SEOEe22nor,data=datSEOEretINSA SEOEe22norFIT
SEOEe12norFIT<-ugarchfit(spec=SEOEe12nor,data=datSEOEretINSA SEOEe12norFIT
SEOEe21norFIT<-ugarchfit(spec=SEOEe21nor,data=datSEOEretINSA SEOEe21norFIT
SEOEa11norFIT<-ugarchfit(spec=SEOEa11nor,data=datSEOEretINSA SEOEg11norFIT
SEOEe22norFIT<-ugarchfit(spec=SEOEe22nor,data=datSEOEretINSA SEOEg22norFIT
SEOEe12norFIT<-ugarchfit(spec=SEOEe12nor,data=datSEOEretINSA SEOEg12norFIT
SEOEg21norFIT<-ugarchfit(spec=SEOEg21nor,data=datSEOEretINSA SEOEg21norFIT
SEOEi11norFIT<-ugarchfit(spec=SEOEi11nor,data=datSEOEretINSA SEOEi11norFIT
SEOEi22norFIT<-ugarchfit(spec=SEOEi22nor,data=datSEOEretINSA SEOEi22norFIT
SEOEi12norFIT<-ugarchfit(spec=SEOEi12nor,data=datSEOEretINSA SEOEi12norFIT
```

```
SEOEi21norFIT<-ugarchfit(spec=SEOEi21nor,data=datSEOEretINSA SEOEi21norFIT
SEOEc11norFIT<-ugarchfit(spec=SEOEc11nor,data=datSEOEretINSA SEOEc11norFIT
SEOEc22norFIT<-ugarchfit(spec=SEOEc22nor,data=datSEOEretINSA SEOEc22norFIT
SEOEc12norFIT<-ugarchfit(spec=SEOEc12nor,data=datSEOEretINSA SEOEc12norFIT
SEOEc21norFIT<-ugarchfit(spec=SEOEc21nor,data=datSEOEretINSA SEOEc21norFIT

##AirlinesFIT
SEAIs11gedFIT<-ugarchfit(spec=SEAIs11ged,data=datSEAIretINSA SEAIs11gedFIT
SEAIs22gedFIT<-ugarchfit(spec=SEAIs22ged,data=datSEAIretINSA SEAIs22gedFIT
SEAIs12gedFIT<-ugarchfit(spec=SEAIs12ged,data=datSEAIretINSA SEAIs12gedFIT
SEAIs21gedFIT<-ugarchfit(spec=SEAIs21ged,data=datSEAIretINSA SEAIs21gedFIT
SEAIe11gedFIT<-ugarchfit(spec=SEAIe11ged,data=datSEAIretINSA SEAIe11gedFIT
SEAIe22gedFIT<-ugarchfit(spec=SEAIe22ged,data=datSEAIretINSA SEAIe22gedFIT
SEAIe12gedFIT<-ugarchfit(spec=SEAIe12ged,data=datSEAIretINSA SEAIe12gedFIT
SEAIe21gedFIT<-ugarchfit(spec=SEAIe21ged,data=datSEAIretINSA SEAIe21gedFIT
SEAIi11gedFIT<-ugarchfit(spec=SEAIi11ged,data=datSEAIretINSA SEAIi11gedFIT
SEAIi22gedFIT<-ugarchfit(spec=SEAIi22ged,data=datSEAIretINSA SEAIi22gedFIT
SEAIi12gedFIT<-ugarchfit(spec=SEAIi12ged,data=datSEAIretINSA SEAIi12gedFIT
SEAIi21gedFIT<-ugarchfit(spec=SEAIi21ged,data=datSEAIretINSA SEAIi21gedFIT
SEAIc11gedFIT<-ugarchfit(spec=SEAIc11ged,data=datSEAIretINSA SEAIc11gedFIT
SEAIc22gedFIT<-ugarchfit(spec=SEAIc22ged,data=datSEAIretINSA SEAIc22gedFIT
SEAIc12gedFIT<-ugarchfit(spec=SEAIc12ged,data=datSEAIretINSA SEAIc12gedFIT
SEAIc21gedFIT<-ugarchfit(spec=SEAIc21ged,data=datSEAIretINSA SEAIc21gedFIT

SEAIs11stdFIT<-ugarchfit(spec=SEAIs11std,data=datSEAIretINSA SEAIs11stdFIT
SEAIs22stdFIT<-ugarchfit(spec=SEAIs22std,data=datSEAIretINSA SEAIs22stdFIT
SEAIs12stdFIT<-ugarchfit(spec=SEAIs12std,data=datSEAIretINSA SEAIs12stdFIT
SEAIs21stdFIT<-ugarchfit(spec=SEAIs21std,data=datSEAIretINSA SEAIs21stdFIT
SEAIe11stdFIT<-ugarchfit(spec=SEAIe11std,data=datSEAIretINSA SEAIe11stdFIT
SEAIe22stdFIT<-ugarchfit(spec=SEAIe22std,data=datSEAIretINSA SEAIe22stdFIT
SEAIe12stdFIT<-ugarchfit(spec=SEAIe12std,data=datSEAIretINSA SEAIe12stdFIT
SEAIe21stdFIT<-ugarchfit(spec=SEAIe21std,data=datSEAIretINSA SEAIe21stdFIT
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SEAIg22stdFIT<-ugarchfit(spec=SEAIg22std,data=datSEAIretINSA SEAIg22stdFIT
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SEAIi11stdFIT<-ugarchfit(spec=SEAIi11std,data=datSEAIretINSA SEAIi11stdFIT
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SEAIi21stdFIT<-ugarchfit(spec=SEAIi21std,data=datSEAIretINSA SEAIi21stdFIT
SEAIc11stdFIT<-ugarchfit(spec=SEAIc11std,data=datSEAIretINSA SEAIc11stdFIT
SEAIc22stdFIT<-ugarchfit(spec=SEAIc22std,data=datSEAIretINSA SEAIc22stdFIT
SEAIc12stdFIT<-ugarchfit(spec=SEAIc12std,data=datSEAIretINSA SEAIc12stdFIT
SEAIc21stdFIT<-ugarchfit(spec=SEAIc21std,data=datSEAIretINSA SEAIc21stdFIT

SEAIs11norFIT<-ugarchfit(spec=SEAIs11nor,data=datSEAIretINSA SEAIs11norFIT
SEAIs22norFIT<-ugarchfit(spec=SEAIs22nor,data=datSEAIretINSA SEAIs22norFIT
SEAIs12norFIT<-ugarchfit(spec=SEAIs12nor,data=datSEAIretINSA SEAIs12norFIT
SEAIs21norFIT<-ugarchfit(spec=SEAIs21nor,data=datSEAIretINSA SEAIs21norFIT
SEAIe11norFIT<-ugarchfit(spec=SEAIe11nor,data=datSEAIretINSA SEAIe11norFIT
SEAIe22norFIT<-ugarchfit(spec=SEAIe22nor,data=datSEAIretINSA SEAIe22norFIT
SEAIe12norFIT<-ugarchfit(spec=SEAIe12nor,data=datSEAIretINSA SEAIe12norFIT
SEAIe21norFIT<-ugarchfit(spec=SEAIe21nor,data=datSEAIretINSA SEAIe21norFIT
SEAIg11norFIT<-ugarchfit(spec=SEAIg11nor,data=datSEAIretINSA SEAIg11norFIT
SEAIg22norFIT<-ugarchfit(spec=SEAIg22nor,data=datSEAIretINSA SEAIg22norFIT
SEAIg12norFIT<-ugarchfit(spec=SEAIg12nor,data=datSEAIretINSA SEAIg12norFIT
SEAIg21norFIT<-ugarchfit(spec=SEAIg21nor,data=datSEAIretINSA SEAIg21norFIT
SEAIi11norFIT<-ugarchfit(spec=SEAIi11nor,data=datSEAIretINSA SEAIi11norFIT
SEAIi22norFIT<-ugarchfit(spec=SEAIi22nor,data=datSEAIretINSA SEAIi22norFIT
SEAIi12norFIT<-ugarchfit(spec=SEAIi12nor,data=datSEAIretINSA SEAIi12norFIT
SEAIi21norFIT<-ugarchfit(spec=SEAIi21nor,data=datSEAIretINSA SEAIi21norFIT
SEAIc11norFIT<-ugarchfit(spec=SEAIc11nor,data=datSEAIretINSA SEAIc11norFIT
SEAIc22norFIT<-ugarchfit(spec=SEAIc22nor,data=datSEAIretINSA SEAIc22norFIT
SEAIc12norFIT<-ugarchfit(spec=SEAIc12nor,data=datSEAIretINSA SEAIc12norFIT
SEAIc21norFIT<-ugarchfit(spec=SEAIc21nor,data=datSEAIretINSA SEAIc21norFIT

##Real Estate Ivestment and ServciesFIT
SEISs11gedFIT<-ugarchfit(spec=SEISs11ged,data=datSEISretINSA SEISs11gedFIT
SEISs22gedFIT<-ugarchfit(spec=SEISs22ged,data=datSEISretINSA SEISs22gedFIT
SEISs12gedFIT<-ugarchfit(spec=SEISs12ged,data=datSEISretINSA SEISs12gedFIT
SEISs21gedFIT<-ugarchfit(spec=SEISs21ged,data=datSEISretINSA SEISs21gedFIT
SEISe11gedFIT<-ugarchfit(spec=SEISe11ged,data=datSEISretINSA SEISe11gedFIT
SEISe22gedFIT<-ugarchfit(spec=SEISe22ged,data=datSEISretINSA SEISe22gedFIT
SEISe12gedFIT<-ugarchfit(spec=SEISe12ged,data=datSEISretINSA SEISe12gedFIT
SEISe21gedFIT<-ugarchfit(spec=SEISe21ged,data=datSEISretINSA SEISe21gedFIT
SEISg11gedFIT<-ugarchfit(spec=SEISg11ged,data=datSEISretINSA SEISg11gedFIT
SEISe22gedFIT<-ugarchfit(spec=SEISe22ged,data=datSEISretINSA SEISg22gedFIT
SEISe12gedFIT<-ugarchfit(spec=SEISe12ged,data=datSEISretINSA SEISg12gedFIT
SEISe21gedFIT<-ugarchfit(spec=SEISe21ged,data=datSEISretINSA SEISg21gedFIT
SEISi11gedFIT<-ugarchfit(spec=SEISi11ged,data=datSEISretINSA SEISi11gedFIT
SEISi22gedFIT<-ugarchfit(spec=SEISi22ged,data=datSEISretINSA SEISi22gedFIT
SEISi12gedFIT<-ugarchfit(spec=SEISi12ged,data=datSEISretINSA SEISi12gedFIT
SEISi21gedFIT<-ugarchfit(spec=SEISi21ged,data=datSEISretINSA SEISi21gedFIT
SEISc11gedFIT<-ugarchfit(spec=SEISc11ged,data=datSEISretINSA SEISc11gedFIT
SEISc22gedFIT<-ugarchfit(spec=SEISc22ged,data=datSEISretINSA SEISc22gedFIT
SEISc12gedFIT<-ugarchfit(spec=SEISc12ged,data=datSEISretINSA SEISc12gedFIT
SEISc21gedFIT<-ugarchfit(spec=SEISc21ged,data=datSEISretINSA SEISc21gedFIT

SEISs11stdFIT<-ugarchfit(spec=SEISs11std,data=datSEISretINSA SEISs11stdFIT
SEISs22stdFIT<-ugarchfit(spec=SEISs22std,data=datSEISretINSA SEISs22stdFIT
SEISs12stdFIT<-ugarchfit(spec=SEISs12std,data=datSEISretINSA SEISs12stdFIT
SEISs21stdFIT<-ugarchfit(spec=SEISs21std,data=datSEISretINSA SEISs21stdFIT
SEISe11stdFIT<-ugarchfit(spec=SEISe11std,data=datSEISretINSA SEISe11stdFIT
SEISe22stdFIT<-ugarchfit(spec=SEISe22std,data=datSEISretINSA SEISe22stdFIT
SEISe12stdFIT<-ugarchfit(spec=SEISe12std,data=datSEISretINSA SEISe12stdFIT
SEISe21stdFIT<-ugarchfit(spec=SEISe21std,data=datSEISretINSA SEISe21stdFIT
SEISg11stdFIT<-ugarchfit(spec=SEISg11std,data=datSEISretINSA SEISg11stdFIT
SEISg22stdFIT<-ugarchfit(spec=SEISg22std,data=datSEISretINSA SEISg22stdFIT
SEISg12stdFIT<-ugarchfit(spec=SEISg12std,data=datSEISretINSA SEISg12stdFIT
SEISg21stdFIT<-ugarchfit(spec=SEISg21std,data=datSEISretINSA SEISg21stdFIT
SEISi11stdFIT<-ugarchfit(spec=SEISi11std,data=datSEISretINSA SEISi11stdFIT
SEISi22stdFIT<-ugarchfit(spec=SEISi22std,data=datSEISretINSA SEISi22stdFIT
SEISi12stdFIT<-ugarchfit(spec=SEISi12std,data=datSEISretINSA SEISi12stdFIT
SEISi21stdFIT<-ugarchfit(spec=SEISi21std,data=datSEISretINSA SEISi21stdFIT
SEISc11stdFIT<-ugarchfit(spec=SEISc11std,data=datSEISretINSA SEISc11stdFIT
SEISc22stdFIT<-ugarchfit(spec=SEISc22std,data=datSEISretINSA SEISc22stdFIT
SEISc12stdFIT<-ugarchfit(spec=SEISc12std,data=datSEISretINSA SEISc12stdFIT
SEISc21stdFIT<-ugarchfit(spec=SEISc21std,data=datSEISretINSA SEISc21stdFIT

SEISs11norFIT<-ugarchfit(spec=SEISs11nor,data=datSEISretINSA SEISs11norFIT
SEISs22norFIT<-ugarchfit(spec=SEISs22nor,data=datSEISretINSA SEISs22norFIT
SEISs12norFIT<-ugarchfit(spec=SEISs12nor,data=datSEISretINSA SEISs12norFIT
SEISs21norFIT<-ugarchfit(spec=SEISs21nor,data=datSEISretINSA SEISs21norFIT
SEISe11norFIT<-ugarchfit(spec=SEISe11nor,data=datSEISretINSA SEISe11norFIT
SEISe22norFIT<-ugarchfit(spec=SEISe22nor,data=datSEISretINSA SEISe22norFIT
SEISe12norFIT<-ugarchfit(spec=SEISe12nor,data=datSEISretINSA SEISe12norFIT
SEISe21norFIT<-ugarchfit(spec=SEISe21nor,data=datSEISretINSA SEISe21norFIT
SEISe11norFIT<-ugarchfit(spec=SEISe11nor,data=datSEISretINSA SEISg11norFIT
SEISe22norFIT<-ugarchfit(spec=SEISe22nor,data=datSEISretINSA SEISg22norFIT
SEISe12norFIT<-ugarchfit(spec=SEISe12nor,data=datSEISretINSA SEISg12norFIT
SEISe21norFIT<-ugarchfit(spec=SEISe21nor,data=datSEISretINSA SEISg21norFIT
SEISi11norFIT<-ugarchfit(spec=SEISi11nor,data=datSEISretINSA SEISi11norFIT
SEISi22norFIT<-ugarchfit(spec=SEISi22nor,data=datSEISretINSA SEISi22norFIT
SEISi12norFIT<-ugarchfit(spec=SEISi12nor,data=datSEISretINSA SEISi12norFIT
SEISi21norFIT<-ugarchfit(spec=SEISi21nor,data=datSEISretINSA SEISi21norFIT
SEISc11norFIT<-ugarchfit(spec=SEISc11nor,data=datSEISretINSA SEISc11norFIT
SEISc22norFIT<-ugarchfit(spec=SEISc22nor,data=datSEISretINSA SEISc22norFIT
SEISc12norFIT<-ugarchfit(spec=SEISc12nor,data=datSEISretINSA SEISc12norFIT
SEISc21norFIT<-ugarchfit(spec=SEISc21nor,data=datSEISretINSA SEISc21norFIT

##REITSFIT
SEREs11gedFIT<-ugarchfit(spec=SEREs11ged,data=datSERetINSA SEREs11gedFIT
SEREs22gedFIT<-ugarchfit(spec=SEREs22ged,data=datSERetINSA SEREs22gedFIT
SEREs12gedFIT<-ugarchfit(spec=SEREs12ged,data=datSERetINSA SEREs12gedFIT
SEREs21gedFIT<-ugarchfit(spec=SEREs21ged,data=datSERetINSA SEREs21gedFIT
SEREe11gedFIT<-ugarchfit(spec=SEREe11ged,data=datSERetINSA SEREe11gedFIT
SEREe22gedFIT<-ugarchfit(spec=SEREe22ged,data=datSERetINSA SEREe22gedFIT
SEREe12gedFIT<-ugarchfit(spec=SEREe12ged,data=datSERetINSA SEREe12gedFIT
SEREe21gedFIT<-ugarchfit(spec=SEREe21ged,data=datSERetINSA SEREe21gedFIT
SEREg11gedFIT<-ugarchfit(spec=SEREg11ged,data=datSERetINSA SEREg11gedFIT
SEREg22gedFIT<-ugarchfit(spec=SEREg22ged,data=datSERetINSA SEREg22gedFIT
SEREe12gedFIT<-ugarchfit(spec=SEREe12ged,data=datSERetINSA SEREg12gedFIT
SEREe21gedFIT<-ugarchfit(spec=SEREe21ged,data=datSERetINSA SEREg21gedFIT
SEREi11gedFIT<-ugarchfit(spec=SEREi11ged,data=datSERetINSA SEREi11gedFIT
SEREi22gedFIT<-ugarchfit(spec=SEREi22ged,data=datSERetINSA SEREi22gedFIT
SEREi12gedFIT<-ugarchfit(spec=SEREi12ged,data=datSERetINSA SEREi12gedFIT
SEREi21gedFIT<-ugarchfit(spec=SEREi21ged,data=datSERetINSA SEREi21gedFIT
SEREc11gedFIT<-ugarchfit(spec=SEREc11ged,data=datSERetINSA SEREc11gedFIT
SEREc22gedFIT<-ugarchfit(spec=SEREc22ged,data=datSERetINSA SEREc22gedFIT
SEREc12gedFIT<-ugarchfit(spec=SEREc12ged,data=datSERetINSA SEREc12gedFIT
SEREc21gedFIT<-ugarchfit(spec=SEREc21ged,data=datSERetINSA SEREc21gedFIT

SEREs11stdFIT<-ugarchfit(spec=SEREs11std,data=datSERetINSA SEREs11stdFIT
SEREs22stdFIT<-ugarchfit(spec=SEREs22std,data=datSERetINSA SEREs22stdFIT
SEREs12stdFIT<-ugarchfit(spec=SEREs12std,data=datSERetINSA SEREs12stdFIT
SEREs21stdFIT<-ugarchfit(spec=SEREs21std,data=datSERetINSA SEREs21stdFIT
SEREe11stdFIT<-ugarchfit(spec=SEREe11std,data=datSERetINSA SEREe11stdFIT
SEREe22stdFIT<-ugarchfit(spec=SEREe22std,data=datSERetINSA SEREe22stdFIT
SEREe12stdFIT<-ugarchfit(spec=SEREe12std,data=datSERetINSA SEREe12stdFIT
SEREe21stdFIT<-ugarchfit(spec=SEREe21std,data=datSERetINSA SEREe21stdFIT
SEREe11stdFIT<-ugarchfit(spec=SEREe11std,data=datSERetINSA SEREg11stdFIT
SEREg22stdFIT<-ugarchfit(spec=SEREg22std,data=datSERetINSA SEREg22stdFIT
SEREg12stdFIT<-ugarchfit(spec=SEREg12std,data=datSERetINSA SEREg12stdFIT
SEREg21stdFIT<-ugarchfit(spec=SEREg21std,data=datSERetINSA SEREg21stdFIT
SEREi11stdFIT<-ugarchfit(spec=SEREi11std,data=datSERetINSA SEREi11stdFIT
SEREi22stdFIT<-ugarchfit(spec=SEREi22std,data=datSERetINSA SEREi22stdFIT
SEREi12stdFIT<-ugarchfit(spec=SEREi12std,data=datSERetINSA SEREi12stdFIT
SEREi21stdFIT<-ugarchfit(spec=SEREi21std,data=datSERetINSA SEREi21stdFIT
SEREc11stdFIT<-ugarchfit(spec=SEREc11std,data=datSERetINSA SEREc11stdFIT
SEREc22stdFIT<-ugarchfit(spec=SEREc22std,data=datSERetINSA SEREc22stdFIT
SEREc12stdFIT<-ugarchfit(spec=SEREc12std,data=datSERetINSA SEREc12stdFIT
SEREc21stdFIT<-ugarchfit(spec=SEREc21std,data=datSERetINSA SEREc21stdFIT

SEREs11norFIT<-ugarchfit(spec=SEREs11nor,data=datSERetINSA SEREs11norFIT
SEREs22norFIT<-ugarchfit(spec=SEREs22nor,data=datSERetINSA SEREs22norFIT
SEREs12norFIT<-ugarchfit(spec=SEREs12nor,data=datSERetINSA SEREs12norFIT
SEREs21norFIT<-ugarchfit(spec=SEREs21nor,data=datSERetINSA SEREs21norFIT
SEREe11norFIT<-ugarchfit(spec=SEREe11nor,data=datSERetINSA SEREe11norFIT
SEREe22norFIT<-ugarchfit(spec=SEREe22nor,data=datSERetINSA SEREe22norFIT
SEREe12norFIT<-ugarchfit(spec=SEREe12nor,data=datSERetINSA SEREe12norFIT
SEREe21norFIT<-ugarchfit(spec=SEREe21nor,data=datSERetINSA SEREe21norFIT
SEREe11norFIT<-ugarchfit(spec=SEREe11nor,data=datSERetINSA SEREg11norFIT
SEREe22norFIT<-ugarchfit(spec=SEREe22nor,data=datSERetINSA SEREg22norFIT
SEREe12norFIT<-ugarchfit(spec=SEREe12nor,data=datSERetINSA SEREg12norFIT
SEREe21norFIT<-ugarchfit(spec=SEREe21nor,data=datSERetINSA SEREg21norFIT
SEREi11norFIT<-ugarchfit(spec=SEREi11nor,data=datSERetINSA SEREi11norFIT
SEREi22norFIT<-ugarchfit(spec=SEREi22nor,data=datSERetINSA SEREi22norFIT
SEREi12norFIT<-ugarchfit(spec=SEREi12nor,data=datSERetINSA SEREi12norFIT
SEREi21norFIT<-ugarchfit(spec=SEREi21nor,data=datSERetINSA SEREi21norFIT
SEREc11norFIT<-ugarchfit(spec=SEREc11nor,data=datSERetINSA SEREc11norFIT
SEREc22norFIT<-ugarchfit(spec=SEREc22nor,data=datSERetINSA SEREc22norFIT
```

```
SEREc12norFIT<-ugarchfit(spec=SEREc12nor,data=datSERERetINSA SEREc12norFIT
SEREc21norFIT<-ugarchfit(spec=SEREc21nor,data=datSERERetINSA SEREc21norFIT

##Alternative Energy FIT
SEAEs11gedFIT<-ugarchfit(spec=SEAEs11ged,data=datSEAEretINSA SEAEs11gedFIT
SEAEs22gedFIT<-ugarchfit(spec=SEAEs22ged,data=datSEAEretINSA SEAEs22gedFIT
SEAEs12gedFIT<-ugarchfit(spec=SEAEs12ged,data=datSEAEretINSA SEAEs12gedFIT
SEAEs21gedFIT<-ugarchfit(spec=SEAEs21ged,data=datSEAEretINSA SEAEs21gedFIT
SEAEe11gedFIT<-ugarchfit(spec=SEAEe11ged,data=datSEAEretINSA SEAEe11gedFIT
SEAEe22gedFIT<-ugarchfit(spec=SEAEe22ged,data=datSEAEretINSA SEAEe22gedFIT
SEAEe12gedFIT<-ugarchfit(spec=SEAEe12ged,data=datSEAEretINSA SEAEe12gedFIT
SEAEe21gedFIT<-ugarchfit(spec=SEAEe21ged,data=datSEAEretINSA SEAEe21gedFIT
SEAEg11gedFIT<-ugarchfit(spec=SEAEg11ged,data=datSEAEretINSA SEAEg11gedFIT
SEAEg22gedFIT<-ugarchfit(spec=SEAEg22ged,data=datSEAEretINSA SEAEg22gedFIT
SEAEe12gedFIT<-ugarchfit(spec=SEAEe12ged,data=datSEAEretINSA SEAEg12gedFIT
SEAEe21gedFIT<-ugarchfit(spec=SEAEe21ged,data=datSEAEretINSA SEAEg21gedFIT
SEAEi11gedFIT<-ugarchfit(spec=SEAEi11ged,data=datSEAEretINSA SEAEi11gedFIT
SEAEi22gedFIT<-ugarchfit(spec=SEAEi22ged,data=datSEAEretINSA SEAEi22gedFIT
SEAEi12gedFIT<-ugarchfit(spec=SEAEi12ged,data=datSEAEretINSA SEAEi12gedFIT
SEAEi21gedFIT<-ugarchfit(spec=SEAEi21ged,data=datSEAEretINSA SEAEi21gedFIT
SEAEc11gedFIT<-ugarchfit(spec=SEAEc11ged,data=datSEAEretINSA SEAEc11gedFIT
SEAEc22gedFIT<-ugarchfit(spec=SEAEc22ged,data=datSEAEretINSA SEAEc22gedFIT
SEAEc12gedFIT<-ugarchfit(spec=SEAEc12ged,data=datSEAEretINSA SEAEc12gedFIT
SEAEc21gedFIT<-ugarchfit(spec=SEAEc21ged,data=datSEAEretINSA SEAEc21gedFIT

SEAEs11stdFIT<-ugarchfit(spec=SEAEs11std,data=datSEAEretINSA SEAEs11stdFIT
SEAEs22stdFIT<-ugarchfit(spec=SEAEs22std,data=datSEAEretINSA SEAEs22stdFIT
SEAEs12stdFIT<-ugarchfit(spec=SEAEs12std,data=datSEAEretINSA SEAEs12stdFIT
SEAEs21stdFIT<-ugarchfit(spec=SEAEs21std,data=datSEAEretINSA SEAEs21stdFIT
SEAEe11stdFIT<-ugarchfit(spec=SEAEe11std,data=datSEAEretINSA SEAEe11stdFIT
SEAEe22stdFIT<-ugarchfit(spec=SEAEe22std,data=datSEAEretINSA SEAEe22stdFIT
SEAEe12stdFIT<-ugarchfit(spec=SEAEe12std,data=datSEAEretINSA SEAEe12stdFIT
SEAEe21stdFIT<-ugarchfit(spec=SEAEe21std,data=datSEAEretINSA SEAEe21stdFIT
SEAEg11stdFIT<-ugarchfit(spec=SEAEg11std,data=datSEAEretINSA SEAEg11stdFIT
SEAEg22stdFIT<-ugarchfit(spec=SEAEg22std,data=datSEAEretINSA SEAEg22stdFIT
SEAEg12stdFIT<-ugarchfit(spec=SEAEg12std,data=datSEAEretINSA SEAEg12stdFIT
SEAEg21stdFIT<-ugarchfit(spec=SEAEg21std,data=datSEAEretINSA SEAEg21stdFIT
SEAEi11stdFIT<-ugarchfit(spec=SEAEi11std,data=datSEAEretINSA SEAEi11stdFIT
SEAEi22stdFIT<-ugarchfit(spec=SEAEi22std,data=datSEAEretINSA SEAEi22stdFIT
SEAEi12stdFIT<-ugarchfit(spec=SEAEi12std,data=datSEAEretINSA SEAEi12stdFIT
SEAEi21stdFIT<-ugarchfit(spec=SEAEi21std,data=datSEAEretINSA SEAEi21stdFIT
SEAEc11stdFIT<-ugarchfit(spec=SEAEc11std,data=datSEAEretINSA SEAEc11stdFIT
SEAEc22stdFIT<-ugarchfit(spec=SEAEc22std,data=datSEAEretINSA SEAEc22stdFIT
SEAEc12stdFIT<-ugarchfit(spec=SEAEc12std,data=datSEAEretINSA SEAEc12stdFIT
SEAEc21stdFIT<-ugarchfit(spec=SEAEc21std,data=datSEAEretINSA SEAEc21stdFIT

SEAEs11norFIT<-ugarchfit(spec=SEAEs11nor,data=datSEAEretINSA SEAEs11norFIT
SEAEs22norFIT<-ugarchfit(spec=SEAEs22nor,data=datSEAEretINSA SEAEs22norFIT
SEAEs12norFIT<-ugarchfit(spec=SEAEs12nor,data=datSEAEretINSA SEAEs12norFIT
SEAEs21norFIT<-ugarchfit(spec=SEAEs21nor,data=datSEAEretINSA SEAEs21norFIT
SEAEe11norFIT<-ugarchfit(spec=SEAEe11nor,data=datSEAEretINSA SEAEe11norFIT
SEAEe22norFIT<-ugarchfit(spec=SEAEe22nor,data=datSEAEretINSA SEAEe22norFIT
SEAEe12norFIT<-ugarchfit(spec=SEAEe12nor,data=datSEAEretINSA SEAEe12norFIT
SEAEe21norFIT<-ugarchfit(spec=SEAEe21nor,data=datSEAEretINSA SEAEe21norFIT
SEAEg11norFIT<-ugarchfit(spec=SEAEg11nor,data=datSEAEretINSA SEAEg11norFIT
SEAEg22norFIT<-ugarchfit(spec=SEAEg22nor,data=datSEAEretINSA SEAEg22norFIT
SEAEe12norFIT<-ugarchfit(spec=SEAEe12nor,data=datSEAEretINSA SEAEg12norFIT
SEAEe21norFIT<-ugarchfit(spec=SEAEe21nor,data=datSEAEretINSA SEAEg21norFIT
SEAEi11norFIT<-ugarchfit(spec=SEAEi11nor,data=datSEAEretINSA SEAEi11norFIT
SEAEi22norFIT<-ugarchfit(spec=SEAEi22nor,data=datSEAEretINSA SEAEi22norFIT
SEAEi12norFIT<-ugarchfit(spec=SEAEi12nor,data=datSEAEretINSA SEAEi12norFIT
SEAEi21norFIT<-ugarchfit(spec=SEAEi21nor,data=datSEAEretINSA SEAEi21norFIT
SEAEc11norFIT<-ugarchfit(spec=SEAEc11nor,data=datSEAEretINSA SEAEc11norFIT
SEAEc22norFIT<-ugarchfit(spec=SEAEc22nor,data=datSEAEretINSA SEAEc22norFIT
SEAEc12norFIT<-ugarchfit(spec=SEAEc12nor,data=datSEAEretINSA SEAEc12norFIT
SEAEc21norFIT<-ugarchfit(spec=SEAEc21nor,data=datSEAEretINSA SEAEc21norFIT

##SoftwareFIT
SESOs11gedFIT<-ugarchfit(spec=SESOs11ged,data=datSESOretINSA SESOs11gedFIT
SESOs22gedFIT<-ugarchfit(spec=SESOs22ged,data=datSESOretINSA SESOs22gedFIT
SESOs12gedFIT<-ugarchfit(spec=SESOs12ged,data=datSESOretINSA SESOs12gedFIT
SESOs21gedFIT<-ugarchfit(spec=SESOs21ged,data=datSESOretINSA SESOs21gedFIT
SESOe11gedFIT<-ugarchfit(spec=SESOe11ged,data=datSESOretINSA SESOe11gedFIT
SESOe22gedFIT<-ugarchfit(spec=SESOe22ged,data=datSESOretINSA SESOe22gedFIT
SESOe12gedFIT<-ugarchfit(spec=SESOe12ged,data=datSESOretINSA SESOe12gedFIT
SESOe21gedFIT<-ugarchfit(spec=SESOe21ged,data=datSESOretINSA SESOe21gedFIT
SESOg11gedFIT<-ugarchfit(spec=SESOg11ged,data=datSESOretINSA SESOg11gedFIT
SESOg22gedFIT<-ugarchfit(spec=SESOg22ged,data=datSESOretINSA SESOg22gedFIT
SESOg12gedFIT<-ugarchfit(spec=SESOg12ged,data=datSESOretINSA SESOg12gedFIT
SESOg21gedFIT<-ugarchfit(spec=SESOg21ged,data=datSESOretINSA SESOg21gedFIT
SESOi11gedFIT<-ugarchfit(spec=SESOi11ged,data=datSESOretINSA SESOi11gedFIT
SESOi22gedFIT<-ugarchfit(spec=SESOi22ged,data=datSESOretINSA SESOi22gedFIT
SESOi12gedFIT<-ugarchfit(spec=SESOi12ged,data=datSESOretINSA SESOi12gedFIT
SESOi21gedFIT<-ugarchfit(spec=SESOi21ged,data=datSESOretINSA SESOi21gedFIT
SESOc11gedFIT<-ugarchfit(spec=SESOc11ged,data=datSESOretINSA SESOc11gedFIT
SESOc22gedFIT<-ugarchfit(spec=SESOc22ged,data=datSESOretINSA SESOc22gedFIT
SESOc12gedFIT<-ugarchfit(spec=SESOc12ged,data=datSESOretINSA SESOc12gedFIT
SESOc21gedFIT<-ugarchfit(spec=SESOc21ged,data=datSESOretINSA SESOc21gedFIT

SESOs11stdFIT<-ugarchfit(spec=SESOs11std,data=datSESOretINSA SESOs11stdFIT
SESOs22stdFIT<-ugarchfit(spec=SESOs22std,data=datSESOretINSA SESOs22stdFIT
SESOs12stdFIT<-ugarchfit(spec=SESOs12std,data=datSESOretINSA SESOs12stdFIT
SESOs21stdFIT<-ugarchfit(spec=SESOs21std,data=datSESOretINSA SESOs21stdFIT
SESOe11stdFIT<-ugarchfit(spec=SESOe11std,data=datSESOretINSA SESOe11stdFIT
SESOe22stdFIT<-ugarchfit(spec=SESOe22std,data=datSESOretINSA SESOe22stdFIT
SESOe12stdFIT<-ugarchfit(spec=SESOe12std,data=datSESOretINSA SESOe12stdFIT
SESOe21stdFIT<-ugarchfit(spec=SESOe21std,data=datSESOretINSA SESOe21stdFIT
SESOg11stdFIT<-ugarchfit(spec=SESOg11std,data=datSESOretINSA SESOg11stdFIT
SESOg22stdFIT<-ugarchfit(spec=SESOg22std,data=datSESOretINSA SESOg22stdFIT
SESOg12stdFIT<-ugarchfit(spec=SESOg12std,data=datSESOretINSA SESOg12stdFIT
SESOg21stdFIT<-ugarchfit(spec=SESOg21std,data=datSESOretINSA SESOg21stdFIT
SESOi11stdFIT<-ugarchfit(spec=SESOi11std,data=datSESOretINSA SESOi11stdFIT
SESOi22stdFIT<-ugarchfit(spec=SESOi22std,data=datSESOretINSA SESOi22stdFIT
SESOi12stdFIT<-ugarchfit(spec=SESOi12std,data=datSESOretINSA SESOi12stdFIT
SESOi21stdFIT<-ugarchfit(spec=SESOi21std,data=datSESOretINSA SESOi21stdFIT
SESOc11stdFIT<-ugarchfit(spec=SESOc11std,data=datSESOretINSA SESOc11stdFIT
SESOc22stdFIT<-ugarchfit(spec=SESOc22std,data=datSESOretINSA SESOc22stdFIT
SESOc12stdFIT<-ugarchfit(spec=SESOc12std,data=datSESOretINSA SESOc12stdFIT
SESOc21stdFIT<-ugarchfit(spec=SESOc21std,data=datSESOretINSA SESOc21stdFIT

SESOs11norFIT<-ugarchfit(spec=SESOs11nor,data=datSESOretINSA SESOs11norFIT
SESOs22norFIT<-ugarchfit(spec=SESOs22nor,data=datSESOretINSA SESOs22norFIT
SESOs12norFIT<-ugarchfit(spec=SESOs12nor,data=datSESOretINSA SESOs12norFIT
SESOs21norFIT<-ugarchfit(spec=SESOs21nor,data=datSESOretINSA SESOs21norFIT
SESOe11norFIT<-ugarchfit(spec=SESOe11nor,data=datSESOretINSA SESOe11norFIT
SESOe22norFIT<-ugarchfit(spec=SESOe22nor,data=datSESOretINSA SESOe22norFIT
SESOe12norFIT<-ugarchfit(spec=SESOe12nor,data=datSESOretINSA SESOe12norFIT
SESOe21norFIT<-ugarchfit(spec=SESOe21nor,data=datSESOretINSA SESOe21norFIT
SESOg11norFIT<-ugarchfit(spec=SESOg11nor,data=datSESOretINSA SESOg11norFIT
SESOe22norFIT<-ugarchfit(spec=SESOe22nor,data=datSESOretINSA SESOg22norFIT
SESOe12norFIT<-ugarchfit(spec=SESOe12nor,data=datSESOretINSA SESOg12norFIT
SESOe21norFIT<-ugarchfit(spec=SESOe21nor,data=datSESOretINSA SESOg21norFIT
SESOi11norFIT<-ugarchfit(spec=SESOi11nor,data=datSESOretINSA SESOi11norFIT
SESOi22norFIT<-ugarchfit(spec=SESOi22nor,data=datSESOretINSA SESOi22norFIT
SESOi12norFIT<-ugarchfit(spec=SESOi12nor,data=datSESOretINSA SESOi12norFIT
SESOi21norFIT<-ugarchfit(spec=SESOi21nor,data=datSESOretINSA SESOi21norFIT
SESOc11norFIT<-ugarchfit(spec=SESOc11nor,data=datSESOretINSA SESOc11norFIT
SESOc22norFIT<-ugarchfit(spec=SESOc22nor,data=datSESOretINSA SESOc22norFIT
SESOc12norFIT<-ugarchfit(spec=SESOc12nor,data=datSESOretINSA SESOc12norFIT
SESOc21norFIT<-ugarchfit(spec=SESOc21nor,data=datSESOretINSA SESOc21norFIT

##TechnicalFIT
SETEs11gedFIT<-ugarchfit(spec=SETEs11ged,data=datSETEretINSA SETEs11gedFIT
SETEs22gedFIT<-ugarchfit(spec=SETEs22ged,data=datSETEretINSA SETEs22gedFIT
SETEs12gedFIT<-ugarchfit(spec=SETEs12ged,data=datSETEretINSA SETEs12gedFIT
SETEs21gedFIT<-ugarchfit(spec=SETEs21ged,data=datSETEretINSA SETEs21gedFIT
SETEe11gedFIT<-ugarchfit(spec=SETEe11ged,data=datSETEretINSA SETEe11gedFIT
SETEe22gedFIT<-ugarchfit(spec=SETEe22ged,data=datSETEretINSA SETEe22gedFIT
SETEe12gedFIT<-ugarchfit(spec=SETEe12ged,data=datSETEretINSA SETEe12gedFIT
SETEe21gedFIT<-ugarchfit(spec=SETEe21ged,data=datSETEretINSA SETEe21gedFIT
SETEg11gedFIT<-ugarchfit(spec=SETEg11ged,data=datSETEretINSA SETEg11gedFIT
SETEg22gedFIT<-ugarchfit(spec=SETEg22ged,data=datSETEretINSA SETEg22gedFIT
SETEg12gedFIT<-ugarchfit(spec=SETEg12ged,data=datSETEretINSA SETEg12gedFIT
SETEg21gedFIT<-ugarchfit(spec=SETEg21ged,data=datSETEretINSA SETEg21gedFIT
SETEi11gedFIT<-ugarchfit(spec=SETEi11ged,data=datSETEretINSA SETEi11gedFIT
SETEi22gedFIT<-ugarchfit(spec=SETEi22ged,data=datSETEretINSA SETEi22gedFIT
SETEi12gedFIT<-ugarchfit(spec=SETEi12ged,data=datSETEretINSA SETEi12gedFIT
SETEi21gedFIT<-ugarchfit(spec=SETEi21ged,data=datSETEretINSA SETEi21gedFIT
SETEc11gedFIT<-ugarchfit(spec=SETEc11ged,data=datSETEretINSA SETEc11gedFIT
SETEc22gedFIT<-ugarchfit(spec=SETEc22ged,data=datSETEretINSA SETEc22gedFIT
SETEc12gedFIT<-ugarchfit(spec=SETEc12ged,data=datSETEretINSA SETEc12gedFIT
SETEc21gedFIT<-ugarchfit(spec=SETEc21ged,data=datSETEretINSA SETEc21gedFIT

SETEs11stdFIT<-ugarchfit(spec=SETEs11std,data=datSETEretINSA SETEs11stdFIT
SETEs22stdFIT<-ugarchfit(spec=SETEs22std,data=datSETEretINSA SETEs22stdFIT
SETEs12stdFIT<-ugarchfit(spec=SETEs12std,data=datSETEretINSA SETEs12stdFIT
SETEs21stdFIT<-ugarchfit(spec=SETEs21std,data=datSETEretINSA SETEs21stdFIT
SETEe11stdFIT<-ugarchfit(spec=SETEe11std,data=datSETEretINSA SETEe11stdFIT
SETEe22stdFIT<-ugarchfit(spec=SETEe22std,data=datSETEretINSA SETEe22stdFIT
SETEe12stdFIT<-ugarchfit(spec=SETEe12std,data=datSETEretINSA SETEe12stdFIT
SETEe21stdFIT<-ugarchfit(spec=SETEe21std,data=datSETEretINSA SETEe21stdFIT
SETEg11stdFIT<-ugarchfit(spec=SETEg11std,data=datSETEretINSA SETEg11stdFIT
SETEg22stdFIT<-ugarchfit(spec=SETEg22std,data=datSETEretINSA SETEg22stdFIT
SETEg12stdFIT<-ugarchfit(spec=SETEg12std,data=datSETEretINSA SETEg12stdFIT
SETEg21stdFIT<-ugarchfit(spec=SETEg21std,data=datSETEretINSA SETEg21stdFIT
SETEi11stdFIT<-ugarchfit(spec=SETEi11std,data=datSETEretINSA SETEi11stdFIT
SETEi22stdFIT<-ugarchfit(spec=SETEi22std,data=datSETEretINSA SETEi22stdFIT
SETEi12stdFIT<-ugarchfit(spec=SETEi12std,data=datSETEretINSA SETEi12stdFIT
SETEi21stdFIT<-ugarchfit(spec=SETEi21std,data=datSETEretINSA SETEi21stdFIT
SETEc11stdFIT<-ugarchfit(spec=SETEc11std,data=datSETEretINSA SETEc11stdFIT
SETEc22stdFIT<-ugarchfit(spec=SETEc22std,data=datSETEretINSA SETEc22stdFIT
SETEc12stdFIT<-ugarchfit(spec=SETEc12std,data=datSETEretINSA SETEc12stdFIT
SETEc21stdFIT<-ugarchfit(spec=SETEc21std,data=datSETEretINSA SETEc21stdFIT

SETEs11norFIT<-ugarchfit(spec=SETEs11nor,data=datSETEretINSA SETEs11norFIT
SETEs22norFIT<-ugarchfit(spec=SETEs22nor,data=datSETEretINSA SETEs22norFIT
SETEs12norFIT<-ugarchfit(spec=SETEs12nor,data=datSETEretINSA SETEs12norFIT
SETEs21norFIT<-ugarchfit(spec=SETEs21nor,data=datSETEretINSA SETEs21norFIT
SETEe11norFIT<-ugarchfit(spec=SETEe11nor,data=datSETEretINSA SETEe11norFIT
SETEe22norFIT<-ugarchfit(spec=SETEe22nor,data=datSETEretINSA SETEe22norFIT
SETEe12norFIT<-ugarchfit(spec=SETEe12nor,data=datSETEretINSA SETEe12norFIT
SETEe21norFIT<-ugarchfit(spec=SETEe21nor,data=datSETEretINSA SETEe21norFIT
SETEg11norFIT<-ugarchfit(spec=SETEg11nor,data=datSETEretINSA SETEg11norFIT
SETEg22norFIT<-ugarchfit(spec=SETEg22nor,data=datSETEretINSA SETEg22norFIT
SETEg12norFIT<-ugarchfit(spec=SETEg12nor,data=datSETEretINSA SETEg12norFIT
SETEe21norFIT<-ugarchfit(spec=SETEe21nor,data=datSETEretINSA SETEg21norFIT
SETEi11norFIT<-ugarchfit(spec=SETEi11nor,data=datSETEretINSA SETEi11norFIT
SETEi22norFIT<-ugarchfit(spec=SETEi22nor,data=datSETEretINSA SETEi22norFIT
SETEi12norFIT<-ugarchfit(spec=SETEi12nor,data=datSETEretINSA SETEi12norFIT
SETEi21norFIT<-ugarchfit(spec=SETEi21nor,data=datSETEretINSA SETEi21norFIT
SETEc11norFIT<-ugarchfit(spec=SETEc11nor,data=datSETEretINSA SETEc11norFIT
SETEc22norFIT<-ugarchfit(spec=SETEc22nor,data=datSETEretINSA SETEc22norFIT
SETEc12norFIT<-ugarchfit(spec=SETEc12nor,data=datSETEretINSA SETEc12norFIT
SETEc21norFIT<-ugarchfit(spec=SETEc21nor,data=datSETEretINSA SETEc21norFIT
```

```
##BeverageFIT
SEBEs11edFIT<-ugarchfit(spec=SEBEs11eed.data=datSEBEretINSA SEBEs11gedFIT
SEBEs22edFIT<-ugarchfit(spec=SEBEs22eed.data=datSEBEretINSA SEBEs22gedFIT
SEBEs12edFIT<-ugarchfit(spec=SEBEs12eed.data=datSEBEretINSA SEBEs12gedFIT
SEBEs21edFIT<-ugarchfit(spec=SEBEs21eed.data=datSEBEretINSA SEBEs21gedFIT
SEBEe11edFIT<-ugarchfit(spec=SEBEe11eed.data=datSEBEretINSA SEBEe11gedFIT
SEBEe22edFIT<-ugarchfit(spec=SEBEe22eed.data=datSEBEretINSA SEBEe22gedFIT
SEBEe12edFIT<-ugarchfit(spec=SEBEe12eed.data=datSEBEretINSA SEBEe12gedFIT
SEBEe21edFIT<-ugarchfit(spec=SEBEe21eed.data=datSEBEretINSA SEBEe21gedFIT
SEBEg11edFIT<-ugarchfit(spec=SEBEg11eed.data=datSEBEretINSA SEBEg11gedFIT
SEBEg22edFIT<-ugarchfit(spec=SEBEg22eed.data=datSEBEretINSA SEBEg22gedFIT
SEBEg12edFIT<-ugarchfit(spec=SEBEg12eed.data=datSEBEretINSA SEBEg12gedFIT
SEBEg21edFIT<-ugarchfit(spec=SEBEg21eed.data=datSEBEretINSA SEBEg21gedFIT
SEBEi11edFIT<-ugarchfit(spec=SEBEi11eed.data=datSEBEretINSA SEBEi11gedFIT
SEBEi22edFIT<-ugarchfit(spec=SEBEi22eed.data=datSEBEretINSA SEBEi22gedFIT
SEBEi12edFIT<-ugarchfit(spec=SEBEi12eed.data=datSEBEretINSA SEBEi12gedFIT
SEBEi21edFIT<-ugarchfit(spec=SEBEi21eed.data=datSEBEretINSA SEBEi21gedFIT
SEBEc11edFIT<-ugarchfit(spec=SEBEc11eed.data=datSEBEretINSA SEBEc11gedFIT
SEBEc22edFIT<-ugarchfit(spec=SEBEc22eed.data=datSEBEretINSA SEBEc22gedFIT
SEBEc12edFIT<-ugarchfit(spec=SEBEc12eed.data=datSEBEretINSA SEBEc12gedFIT
SEBEc21edFIT<-ugarchfit(spec=SEBEc21eed.data=datSEBEretINSA SEBEc21gedFIT

SEBEs11stdFIT<-ugarchfit(spec=SEBEs11std.data=datSEBEretINSA SEBEs11stdFIT
SEBEs22stdFIT<-ugarchfit(spec=SEBEs22std.data=datSEBEretINSA SEBEs22stdFIT
SEBEs12stdFIT<-ugarchfit(spec=SEBEs12std.data=datSEBEretINSA SEBEs12stdFIT
SEBEs21stdFIT<-ugarchfit(spec=SEBEs21std.data=datSEBEretINSA SEBEs21stdFIT
SEBEe11stdFIT<-ugarchfit(spec=SEBEe11std.data=datSEBEretINSA SEBEe11stdFIT
SEBEe22stdFIT<-ugarchfit(spec=SEBEe22std.data=datSEBEretINSA SEBEe22stdFIT
SEBEe12stdFIT<-ugarchfit(spec=SEBEe12std.data=datSEBEretINSA SEBEe12stdFIT
SEBEe21stdFIT<-ugarchfit(spec=SEBEe21std.data=datSEBEretINSA SEBEe21stdFIT
SEBEg11stdFIT<-ugarchfit(spec=SEBEg11std.data=datSEBEretINSA SEBEg11stdFIT
SEBEg22stdFIT<-ugarchfit(spec=SEBEg22std.data=datSEBEretINSA SEBEg22stdFIT
SEBEg12stdFIT<-ugarchfit(spec=SEBEg12std.data=datSEBEretINSA SEBEg12stdFIT
SEBEg21stdFIT<-ugarchfit(spec=SEBEg21std.data=datSEBEretINSA SEBEg21stdFIT
SEBEi11stdFIT<-ugarchfit(spec=SEBEi11std.data=datSEBEretINSA SEBEi11stdFIT
SEBEi22stdFIT<-ugarchfit(spec=SEBEi22std.data=datSEBEretINSA SEBEi22stdFIT
SEBEi12stdFIT<-ugarchfit(spec=SEBEi12std.data=datSEBEretINSA SEBEi12stdFIT
SEBEi21stdFIT<-ugarchfit(spec=SEBEi21std.data=datSEBEretINSA SEBEi21stdFIT
SEBEc11stdFIT<-ugarchfit(spec=SEBEc11std.data=datSEBEretINSA SEBEc11stdFIT
SEBEc22stdFIT<-ugarchfit(spec=SEBEc22std.data=datSEBEretINSA SEBEc22stdFIT
SEBEc12stdFIT<-ugarchfit(spec=SEBEc12std.data=datSEBEretINSA SEBEc12stdFIT
SEBEc21stdFIT<-ugarchfit(spec=SEBEc21std.data=datSEBEretINSA SEBEc21stdFIT

SEBEs11norFIT<-ugarchfit(spec=SEBEs11nor.data=datSEBEretINSA SEBEs11norFIT
SEBEs22norFIT<-ugarchfit(spec=SEBEs22nor.data=datSEBEretINSA SEBEs22norFIT
SEBEs12norFIT<-ugarchfit(spec=SEBEs12nor.data=datSEBEretINSA SEBEs12norFIT
SEBEs21norFIT<-ugarchfit(spec=SEBEs21nor.data=datSEBEretINSA SEBEs21norFIT
SEBEe11norFIT<-ugarchfit(spec=SEBEe11nor.data=datSEBEretINSA SEBEe11norFIT
SEBEe22norFIT<-ugarchfit(spec=SEBEe22nor.data=datSEBEretINSA SEBEe22norFIT
SEBEe12norFIT<-ugarchfit(spec=SEBEe12nor.data=datSEBEretINSA SEBEe12norFIT
SEBEe21norFIT<-ugarchfit(spec=SEBEe21nor.data=datSEBEretINSA SEBEe21norFIT
SEBEg11norFIT<-ugarchfit(spec=SEBEg11nor.data=datSEBEretINSA SEBEg11norFIT
SEBEg22norFIT<-ugarchfit(spec=SEBEg22nor.data=datSEBEretINSA SEBEg22norFIT
SEBEe12norFIT<-ugarchfit(spec=SEBEe12nor.data=datSEBEretINSA SEBEg12norFIT
SEBEe21norFIT<-ugarchfit(spec=SEBEe21nor.data=datSEBEretINSA SEBEg21norFIT
SEBEi11norFIT<-ugarchfit(spec=SEBEi11nor.data=datSEBEretINSA SEBEi11norFIT
SEBEi22norFIT<-ugarchfit(spec=SEBEi22nor.data=datSEBEretINSA SEBEi22norFIT
SEBEi12norFIT<-ugarchfit(spec=SEBEi12nor.data=datSEBEretINSA SEBEi12norFIT
SEBEi21norFIT<-ugarchfit(spec=SEBEi21nor.data=datSEBEretINSA SEBEi21norFIT
SEBEc11norFIT<-ugarchfit(spec=SEBEc11nor.data=datSEBEretINSA SEBEc11norFIT
SEBEc22norFIT<-ugarchfit(spec=SEBEc22nor.data=datSEBEretINSA SEBEc22norFIT
SEBEc12norFIT<-ugarchfit(spec=SEBEc12nor.data=datSEBEretINSA SEBEc12norFIT
SEBEc21norFIT<-ugarchfit(spec=SEBEc21nor.data=datSEBEretINSA SEBEc21norFIT

##Total European Market FIT
SEETs11edFIT<-ugarchfit(spec=SEETs11eed,data=datSEETretINSA SEETs11gedFIT
SEETs22edFIT<-ugarchfit(spec=SEETs22eed.data=datSEETretINSA SEETs22gedFIT
SEETs12edFIT<-ugarchfit(spec=SEETs12eed.data=datSEETretINSA SEETs12gedFIT
SEETs21edFIT<-ugarchfit(spec=SEETs21eed.data=datSEETretINSA SEETs21gedFIT
SEETe11edFIT<-ugarchfit(spec=SEETe11eed.data=datSEETretINSA SEETe11gedFIT
SEETe22edFIT<-ugarchfit(spec=SEETe22eed.data=datSEETretINSA SEETe22gedFIT
SEETe12edFIT<-ugarchfit(spec=SEETe12eed.data=datSEETretINSA SEETe12gedFIT
SEETe21edFIT<-ugarchfit(spec=SEETe21eed.data=datSEETretINSA SEETe21gedFIT
SEETg11edFIT<-ugarchfit(spec=SEETg11eed,data=datSEETretINSA SEETg11gedFIT
SEETg22edFIT<-ugarchfit(spec=SEETg22eed,data=datSEETretINSA SEETg22gedFIT
SEETg12edFIT<-ugarchfit(spec=SEETg12eed,data=datSEETretINSA SEETg12gedFIT
SEETg21edFIT<-ugarchfit(spec=SEETg21eed,data=datSEETretINSA SEETg21gedFIT
SEETi11edFIT<-ugarchfit(spec=SEETi11eed,data=datSEETretINSA SEETi11gedFIT
SEETi22edFIT<-ugarchfit(spec=SEETi22eed.data=datSEETretINSA SEETi22gedFIT
SEETi12edFIT<-ugarchfit(spec=SEETi12eed,data=datSEETretINSA SEETi12gedFIT
SEETi21edFIT<-ugarchfit(spec=SEETi21eed.data=datSEETretINSA SEETi21gedFIT
SEETc11edFIT<-ugarchfit(spec=SEETc11eed.data=datSEETretINSA SEETc11gedFIT
SEETc22edFIT<-ugarchfit(spec=SEETc22eed.data=datSEETretINSA SEETc22gedFIT
SEETc12edFIT<-ugarchfit(spec=SEETc12eed.data=datSEETretINSA SEETc12gedFIT
SEETc21edFIT<-ugarchfit(spec=SEETc21eed.data=datSEETretINSA SEETc21gedFIT

SEETs11stdFIT<-ugarchfit(spec=SEETs11std.data=datSEETretINSA SEETs11stdFIT
SEETs22stdFIT<-ugarchfit(spec=SEETs22std.data=datSEETretINSA SEETs22stdFIT
SEETs12stdFIT<-ugarchfit(spec=SEETs12std.data=datSEETretINSA SEETs12stdFIT
SEETs21stdFIT<-ugarchfit(spec=SEETs21std.data=datSEETretINSA SEETs21stdFIT
SEETe11stdFIT<-ugarchfit(spec=SEETe11std.data=datSEETretINSA SEETe11stdFIT
SEETe22stdFIT<-ugarchfit(spec=SEETe22std.data=datSEETretINSA SEETe22stdFIT
SEETe12stdFIT<-ugarchfit(spec=SEETe12std.data=datSEETretINSA SEETe12stdFIT
SEETe21stdFIT<-ugarchfit(spec=SEETe21std.data=datSEETretINSA SEETe21stdFIT
SEETg11stdFIT<-ugarchfit(spec=SEETg11std.data=datSEETretINSA SEETg11stdFIT
SEETg22stdFIT<-ugarchfit(spec=SEETg22std.data=datSEETretINSA SEETg22stdFIT
SEETg12stdFIT<-ugarchfit(spec=SEETg12std.data=datSEETretINSA SEETg12stdFIT
SEETg21stdFIT<-ugarchfit(spec=SEETg21std.data=datSEETretINSA SEETg21stdFIT
SEETi11stdFIT<-ugarchfit(spec=SEETi11std.data=datSEETretINSA SEETi11stdFIT
SEETi22stdFIT<-ugarchfit(spec=SEETi22std.data=datSEETretINSA SEETi22stdFIT
SEETi12stdFIT<-ugarchfit(spec=SEETi12std.data=datSEETretINSA SEETi12stdFIT
SEETi21stdFIT<-ugarchfit(spec=SEETi21std.data=datSEETretINSA SEETi21stdFIT
SEETc11stdFIT<-ugarchfit(spec=SEETc11std.data=datSEETretINSA SEETc11stdFIT
SEETc22stdFIT<-ugarchfit(spec=SEETc22std.data=datSEETretINSA SEETc22stdFIT
SEETc12stdFIT<-ugarchfit(spec=SEETc12std.data=datSEETretINSA SEETc12stdFIT
SEETc21stdFIT<-ugarchfit(spec=SEETc21std.data=datSEETretINSA SEETc21stdFIT

SEETs11norFIT<-ugarchfit(spec=SEETs11nor.data=datSEETretINSA SEETs11norFIT
SEETs22norFIT<-ugarchfit(spec=SEETs22nor.data=datSEETretINSA SEETs22norFIT
SEETs12norFIT<-ugarchfit(spec=SEETs12nor.data=datSEETretINSA SEETs12norFIT
SEETs21norFIT<-ugarchfit(spec=SEETs21nor.data=datSEETretINSA SEETs21norFIT
SEETe11norFIT<-ugarchfit(spec=SEETe11nor.data=datSEETretINSA SEETe11norFIT
SEETe22norFIT<-ugarchfit(spec=SEETe22nor.data=datSEETretINSA SEETe22norFIT
SEETe12norFIT<-ugarchfit(spec=SEETe12nor.data=datSEETretINSA SEETe12norFIT
SEETe21norFIT<-ugarchfit(spec=SEETe21nor.data=datSEETretINSA SEETe21norFIT
SEETg11norFIT<-ugarchfit(spec=SEETg11nor.data=datSEETretINSA SEETg11norFIT
SEETg22norFIT<-ugarchfit(spec=SEETg22nor.data=datSEETretINSA SEETg22norFIT
SEETg12norFIT<-ugarchfit(spec=SEETg12nor.data=datSEETretINSA SEETg12norFIT
SEETg21norFIT<-ugarchfit(spec=SEETg21nor.data=datSEETretINSA SEETg21norFIT
SEETi11norFIT<-ugarchfit(spec=SEETi11nor.data=datSEETretINSA SEETi11norFIT
SEETi22norFIT<-ugarchfit(spec=SEETi22nor.data=datSEETretINSA SEETi22norFIT
SEETi12norFIT<-ugarchfit(spec=SEETi12nor.data=datSEETretINSA SEETi12norFIT
SEETi21norFIT<-ugarchfit(spec=SEETi21nor.data=datSEETretINSA SEETi21norFIT
SEETc11norFIT<-ugarchfit(spec=SEETc11nor.data=datSEETretINSA SEETc11norFIT
SEETc22norFIT<-ugarchfit(spec=SEETc22nor.data=datSEETretINSA SEETc22norFIT
SEETc12norFIT<-ugarchfit(spec=SEETc12nor.data=datSEETretINSA SEETc12norFIT
SEETc21norFIT<-ugarchfit(spec=SEETc21nor.data=datSEETretINSA SEETc21norFIT

##Chemicals FIT
SECHs11edFIT<-ugarchfit(spec=SECHs11eed,data=datSECHretINSA SECHs11gedFIT
SECHs22edFIT<-ugarchfit(spec=SECHs22eed,data=datSECHretINSA SECHs22gedFIT
SECHs12edFIT<-ugarchfit(spec=SECHs12eed,data=datSECHretINSA SECHs12gedFIT
SECHs21edFIT<-ugarchfit(spec=SECHs21eed.data=datSECHretINSA SECHs21gedFIT
SECHe11edFIT<-ugarchfit(spec=SECHe11eed.data=datSECHretINSA SECHe11gedFIT
SECHe22edFIT<-ugarchfit(spec=SECHe22eed.data=datSECHretINSA SECHe22gedFIT
SECHe12edFIT<-ugarchfit(spec=SECHe12eed.data=datSECHretINSA SECHe12gedFIT
SECHe21edFIT<-ugarchfit(spec=SECHe21eed.data=datSECHretINSA SECHe21gedFIT
SECHg11edFIT<-ugarchfit(spec=SECHg11eed.data=datSECHretINSA SECHg11gedFIT
SECHg22edFIT<-ugarchfit(spec=SECHg22eed.data=datSECHretINSA SECHg22gedFIT
SECHg12edFIT<-ugarchfit(spec=SECHg12eed.data=datSECHretINSA SECHg12gedFIT
SECHg21edFIT<-ugarchfit(spec=SECHg21eed.data=datSECHretINSA SECHg21gedFIT
SECHi11edFIT<-ugarchfit(spec=SECHi11eed.data=datSECHretINSA SECHi11gedFIT
SECHi22edFIT<-ugarchfit(spec=SECHi22eed.data=datSECHretINSA SECHi22gedFIT
SECHi12edFIT<-ugarchfit(spec=SECHi12eed.data=datSECHretINSA SECHi12gedFIT
SECHi21edFIT<-ugarchfit(spec=SECHi21eed.data=datSECHretINSA SECHi21gedFIT
SECHc11edFIT<-ugarchfit(spec=SECHc11eed.data=datSECHretINSA SECHc11gedFIT
SECHc22edFIT<-ugarchfit(spec=SECHc22eed.data=datSECHretINSA SECHc22gedFIT
SECHc12edFIT<-ugarchfit(spec=SECHc12eed.data=datSECHretINSA SECHc12gedFIT
SECHc21edFIT<-ugarchfit(spec=SECHc21eed.data=datSECHretINSA SECHc21gedFIT

SECHs11stdFIT<-ugarchfit(spec=SECHs11std.data=datSECHretINSA SECHs11stdFIT
SECHs22stdFIT<-ugarchfit(spec=SECHs22std.data=datSECHretINSA SECHs22stdFIT
SECHs12stdFIT<-ugarchfit(spec=SECHs12std.data=datSECHretINSA SECHs12stdFIT
SECHs21stdFIT<-ugarchfit(spec=SECHs21std.data=datSECHretINSA SECHs21stdFIT
SECHe11stdFIT<-ugarchfit(spec=SECHe11std.data=datSECHretINSA SECHe11stdFIT
SECHe22stdFIT<-ugarchfit(spec=SECHe22std.data=datSECHretINSA SECHe22stdFIT
SECHe12stdFIT<-ugarchfit(spec=SECHe12std.data=datSECHretINSA SECHe12stdFIT
SECHe21stdFIT<-ugarchfit(spec=SECHe21std.data=datSECHretINSA SECHe21stdFIT
SECHg11stdFIT<-ugarchfit(spec=SECHg11std.data=datSECHretINSA SECHg11stdFIT
SECHg22stdFIT<-ugarchfit(spec=SECHg22std.data=datSECHretINSA SECHg22stdFIT
SECHg12stdFIT<-ugarchfit(spec=SECHg12std.data=datSECHretINSA SECHg12stdFIT
SECHg21stdFIT<-ugarchfit(spec=SECHg21std.data=datSECHretINSA SECHg21stdFIT
SECHi11stdFIT<-ugarchfit(spec=SECHi11std.data=datSECHretINSA SECHi11stdFIT
SECHi22stdFIT<-ugarchfit(spec=SECHi22std.data=datSECHretINSA SECHi22stdFIT
SECHi12stdFIT<-ugarchfit(spec=SECHi12std.data=datSECHretINSA SECHi12stdFIT
SECHi21stdFIT<-ugarchfit(spec=SECHi21std.data=datSECHretINSA SECHi21stdFIT
SECHc11stdFIT<-ugarchfit(spec=SECHc11std.data=datSECHretINSA SECHc11stdFIT
SECHc22stdFIT<-ugarchfit(spec=SECHc22std.data=datSECHretINSA SECHc22stdFIT
SECHc12stdFIT<-ugarchfit(spec=SECHc12std.data=datSECHretINSA SECHc12stdFIT
SECHc21stdFIT<-ugarchfit(spec=SECHc21std.data=datSECHretINSA SECHc21stdFIT

SECHs11norFIT<-ugarchfit(spec=SECHs11nor.data=datSECHretINSA SECHs11norFIT
SECHs22norFIT<-ugarchfit(spec=SECHs22nor.data=datSECHretINSA SECHs22norFIT
SECHs12norFIT<-ugarchfit(spec=SECHs12nor.data=datSECHretINSA SECHs12norFIT
SECHs21norFIT<-ugarchfit(spec=SECHs21nor.data=datSECHretINSA SECHs21norFIT
SECHe11norFIT<-ugarchfit(spec=SECHe11nor.data=datSECHretINSA SECHe11norFIT
SECHe22norFIT<-ugarchfit(spec=SECHe22nor.data=datSECHretINSA SECHe22norFIT
SECHe12norFIT<-ugarchfit(spec=SECHe12nor.data=datSECHretINSA SECHe12norFIT
SECHe21norFIT<-ugarchfit(spec=SECHe21nor.data=datSECHretINSA SECHe21norFIT
SECHg11norFIT<-ugarchfit(spec=SECHg11nor.data=datSECHretINSA SECHg11norFIT
SECHg22norFIT<-ugarchfit(spec=SECHg22nor.data=datSECHretINSA SECHg22norFIT
SECHg12norFIT<-ugarchfit(spec=SECHg12nor.data=datSECHretINSA SECHg12norFIT
SECHg21norFIT<-ugarchfit(spec=SECHg21nor.data=datSECHretINSA SECHg21norFIT
SECHi11norFIT<-ugarchfit(spec=SECHi11nor.data=datSECHretINSA SECHi11norFIT
SECHi22norFIT<-ugarchfit(spec=SECHi22nor.data=datSECHretINSA SECHi22norFIT
SECHi12norFIT<-ugarchfit(spec=SECHi12nor.data=datSECHretINSA SECHi12norFIT
SECHi21norFIT<-ugarchfit(spec=SECHi21nor.data=datSECHretINSA SECHi21norFIT
SECHc11norFIT<-ugarchfit(spec=SECHc11nor.data=datSECHretINSA SECHc11norFIT
SECHc22norFIT<-ugarchfit(spec=SECHc22nor.data=datSECHretINSA SECHc22norFIT
SECHc12norFIT<-ugarchfit(spec=SECHc12nor.data=datSECHretINSA SECHc12norFIT
SECHc21norFIT<-ugarchfit(spec=SECHc21nor.data=datSECHretINSA SECHc21norFIT

##Auto and Parts FIT
SEAPs11edFIT<-ugarchfit(spec=SEAPs11eed,data=datSEAPretINSA SEAPs11gedFIT
SEAPs22gedFIT<-ugarchfit(spec=SEAPs22ged,data=datSEAPretINSA SEAPs22gedFIT
```

```
SEAPs12gedFIT<-uqarchfit(spec=SEAPs12ged,data=datSEAPretINSA SEAPs12gedFIT
SEAPs21gedFIT<-uqarchfit(spec=SEAPs21ged,data=datSEAPretINSA SEAPs21gedFIT
SEAPe11gedFIT<-uqarchfit(spec=SEAPe11ged,data=datSEAPretINSA SEAPe11gedFIT
SEAPe22gedFIT<-uqarchfit(spec=SEAPe22ged,data=datSEAPretINSA SEAPe22gedFIT
SEAPe12gedFIT<-uqarchfit(spec=SEAPe12ged,data=datSEAPretINSA SEAPe12gedFIT
SEAPe21gedFIT<-uqarchfit(spec=SEAPe21ged,data=datSEAPretINSA SEAPe21gedFIT
SEAPg11gedFIT<-uqarchfit(spec=SEAPe11ged,data=datSEAPretINSA SEAPg11gedFIT
SEAPg22gedFIT<-uqarchfit(spec=SEAPg22ged,data=datSEAPretINSA SEAPg22gedFIT
SEAPg12gedFIT<-uqarchfit(spec=SEAPg12ged,data=datSEAPretINSA SEAPg12gedFIT
SEAPg21gedFIT<-uqarchfit(spec=SEAPg21ged,data=datSEAPretINSA SEAPg21gedFIT
SEAPi11gedFIT<-uqarchfit(spec=SEAPi11ged,data=datSEAPretINSA SEAPi11gedFIT
SEAPi22gedFIT<-uqarchfit(spec=SEAPi22ged,data=datSEAPretINSA SEAPi22gedFIT
SEAPi12gedFIT<-uqarchfit(spec=SEAPi12ged,data=datSEAPretINSA SEAPi12gedFIT
SEAPi21gedFIT<-uqarchfit(spec=SEAPi21ged,data=datSEAPretINSA SEAPi21gedFIT
SEAPc11edFIT<-uqarchfit(spec=SEAPc11ed.data=datSEAPretINSA SEAPc11gedFIT
SEAPc22edFIT<-uqarchfit(spec=SEAPc22ed.data=datSEAPretINSA SEAPc22gedFIT
SEAPc12edFIT<-uqarchfit(spec=SEAPc12ed.data=datSEAPretINSA SEAPc12gedFIT
SEAPc21edFIT<-uqarchfit(spec=SEAPc21ed.data=datSEAPretINSA SEAPc21gedFIT

SEAPs11stdFIT<-uqarchfit(spec=SEAPs11std.data=datSEAPretINSA SEAPs11stdFIT
SEAPs22stdFIT<-uqarchfit(spec=SEAPs22std.data=datSEAPretINSA SEAPs22stdFIT
SEAPs12stdFIT<-uqarchfit(spec=SEAPs12std.data=datSEAPretINSA SEAPs12stdFIT
SEAPs21stdFIT<-uqarchfit(spec=SEAPs21std.data=datSEAPretINSA SEAPs21stdFIT
SEAPe11stdFIT<-uqarchfit(spec=SEAPe11std.data=datSEAPretINSA SEAPe11stdFIT
SEAPe22stdFIT<-uqarchfit(spec=SEAPe22std.data=datSEAPretINSA SEAPe22stdFIT
SEAPe12stdFIT<-uqarchfit(spec=SEAPe12std.data=datSEAPretINSA SEAPe12stdFIT
SEAPe21stdFIT<-uqarchfit(spec=SEAPe21std.data=datSEAPretINSA SEAPe21stdFIT
SEAPg11stdFIT<-uqarchfit(spec=SEAPe11std.data=datSEAPretINSA SEAPg11stdFIT
SEAPg22stdFIT<-uqarchfit(spec=SEAPg22std.data=datSEAPretINSA SEAPg22stdFIT
SEAPg12stdFIT<-uqarchfit(spec=SEAPg12std.data=datSEAPretINSA SEAPg12stdFIT
SEAPg21stdFIT<-uqarchfit(spec=SEAPg21std.data=datSEAPretINSA SEAPg21stdFIT
SEAPi11stdFIT<-uqarchfit(spec=SEAPi11std.data=datSEAPretINSA SEAPi11stdFIT
SEAPi22stdFIT<-uqarchfit(spec=SEAPi22std.data=datSEAPretINSA SEAPi22stdFIT
SEAPi12stdFIT<-uqarchfit(spec=SEAPi12std.data=datSEAPretINSA SEAPi12stdFIT
SEAPi21stdFIT<-uqarchfit(spec=SEAPi21std.data=datSEAPretINSA SEAPi21stdFIT
SEAPc11stdFIT<-uqarchfit(spec=SEAPc11std.data=datSEAPretINSA SEAPc11stdFIT
SEAPc22stdFIT<-uqarchfit(spec=SEAPc22std.data=datSEAPretINSA SEAPc22stdFIT
SEAPc12stdFIT<-uqarchfit(spec=SEAPc12std.data=datSEAPretINSA SEAPc12stdFIT
SEAPc21stdFIT<-uqarchfit(spec=SEAPc21std.data=datSEAPretINSA SEAPc21stdFIT

SEAPs11norFIT<-uqarchfit(spec=SEAPs11nor.data=datSEAPretINSA SEAPs11norFIT
SEAPs22norFIT<-uqarchfit(spec=SEAPs22nor.data=datSEAPretINSA SEAPs22norFIT
SEAPs12norFIT<-uqarchfit(spec=SEAPs12nor.data=datSEAPretINSA SEAPs12norFIT
SEAPs21norFIT<-uqarchfit(spec=SEAPs21nor.data=datSEAPretINSA SEAPs21norFIT
SEAPe11norFIT<-uqarchfit(spec=SEAPe11nor.data=datSEAPretINSA SEAPe11norFIT
SEAPe22norFIT<-uqarchfit(spec=SEAPe22nor.data=datSEAPretINSA SEAPe22norFIT
SEAPe12norFIT<-uqarchfit(spec=SEAPe12nor.data=datSEAPretINSA SEAPe12norFIT
SEAPe21norFIT<-uqarchfit(spec=SEAPe21nor.data=datSEAPretINSA SEAPe21norFIT
SEAPg11norFIT<-uqarchfit(spec=SEAPg11nor.data=datSEAPretINSA SEAPg11norFIT
SEAPg22norFIT<-uqarchfit(spec=SEAPg22nor.data=datSEAPretINSA SEAPg22norFIT
SEAPg12norFIT<-uqarchfit(spec=SEAPg12nor.data=datSEAPretINSA SEAPg12norFIT
SEAPg21norFIT<-uqarchfit(spec=SEAPg21nor.data=datSEAPretINSA SEAPg21norFIT
SEAPi11norFIT<-uqarchfit(spec=SEAPi11nor.data=datSEAPretINSA SEAPi11norFIT
SEAPi22norFIT<-uqarchfit(spec=SEAPi22nor.data=datSEAPretINSA SEAPi22norFIT
SEAPi12norFIT<-uqarchfit(spec=SEAPi12nor.data=datSEAPretINSA SEAPi12norFIT
SEAPi21norFIT<-uqarchfit(spec=SEAPi21nor.data=datSEAPretINSA SEAPi21norFIT
SEAPc11norFIT<-uqarchfit(spec=SEAPc11nor.data=datSEAPretINSA SEAPc11norFIT
SEAPc22norFIT<-uqarchfit(spec=SEAPc22nor.data=datSEAPretINSA SEAPc22norFIT
SEAPc12norFIT<-uqarchfit(spec=SEAPc12nor.data=datSEAPretINSA SEAPc12norFIT
SEAPc21norFIT<-uqarchfit(spec=SEAPc21nor.data=datSEAPretINSA SEAPc21norFIT

##BitcoinFIT
BITCs11gedFIT<-uqarchfit(spec=BITCs11ged,data=datBITCretINSA BITCs11gedFIT
BITCs22gedFIT<-uqarchfit(spec=BITCs22ged,data=datBITCretINSA BITCs22gedFIT
BITCs12gedFIT<-uqarchfit(spec=BITCs12ged,data=datBITCretINSA BITCs12gedFIT
BITCs21gedFIT<-uqarchfit(spec=BITCs21ged,data=datBITCretINSA BITCs21gedFIT
BITCe11gedFIT<-uqarchfit(spec=BITCe11ged.data=datBITCretINSA BITCe11gedFIT
BITCe22edFIT<-uqarchfit(spec=BITCe22ed.data=datBITCretINSA BITCe22gedFIT
BITCe12edFIT<-uqarchfit(spec=BITCe12ed.data=datBITCretINSA BITCe12gedFIT
BITCe21edFIT<-uqarchfit(spec=BITCe21ed.data=datBITCretINSA BITCe21gedFIT
BITCe11stdFIT<-uqarchfit(spec=BITCe11std.data=datBITCretINSA BITCg11gedFIT
BITCe22stdFIT<-uqarchfit(spec=BITCe22std.data=datBITCretINSA BITCg22gedFIT
BITCe12stdFIT<-uqarchfit(spec=BITCe12std.data=datBITCretINSA BITCg12gedFIT
BITCe21stdFIT<-uqarchfit(spec=BITCe21std.data=datBITCretINSA BITCg21gedFIT
BITCg11gedFIT<-uqarchfit(spec=BITCg11ged,data=datBITCretINSA BITCi11gedFIT
BITCg22gedFIT<-uqarchfit(spec=BITCg22ged,data=datBITCretINSA BITCi22gedFIT
BITCg12gedFIT<-uqarchfit(spec=BITCg12ged,data=datBITCretINSA BITCi12gedFIT
BITCg21gedFIT<-uqarchfit(spec=BITCg21ged,data=datBITCretINSA BITCi21gedFIT
BITCi11gedFIT<-uqarchfit(spec=BITCi11ged,data=datBITCretINSA BITCc11gedFIT
BITCi22gedFIT<-uqarchfit(spec=BITCi22ged,data=datBITCretINSA BITCc22gedFIT
BITCi12gedFIT<-uqarchfit(spec=BITCi12ged,data=datBITCretINSA BITCc12gedFIT
BITCi21gedFIT<-uqarchfit(spec=BITCi21ged,data=datBITCretINSA BITCc21gedFIT

BITCs11stdFIT<-uqarchfit(spec=BITCs11std.data=datBITCretINSA BITCs11stdFIT
BITCs22stdFIT<-uqarchfit(spec=BITCs22std.data=datBITCretINSA BITCs22stdFIT
BITCs12stdFIT<-uqarchfit(spec=BITCs12std.data=datBITCretINSA BITCs12stdFIT
BITCs21stdFIT<-uqarchfit(spec=BITCs21std.data=datBITCretINSA BITCs21stdFIT
BITCe11stdFIT<-uqarchfit(spec=BITCe11std.data=datBITCretINSA BITCe11stdFIT
BITCe22stdFIT<-uqarchfit(spec=BITCe22std.data=datBITCretINSA BITCe22stdFIT
BITCe12stdFIT<-uqarchfit(spec=BITCe12std.data=datBITCretINSA BITCe12stdFIT
BITCe21stdFIT<-uqarchfit(spec=BITCe21std.data=datBITCretINSA BITCe21stdFIT
BITCg11stdFIT<-uqarchfit(spec=BITCg11std.data=datBITCretINSA BITCg11stdFIT
BITCg22stdFIT<-uqarchfit(spec=BITCg22std.data=datBITCretINSA BITCg22stdFIT
BITCg12stdFIT<-uqarchfit(spec=BITCg12std.data=datBITCretINSA BITCg12stdFIT
BITCg21stdFIT<-uqarchfit(spec=BITCg21std.data=datBITCretINSA BITCg21stdFIT
BITCi11stdFIT<-uqarchfit(spec=BITCi11std.data=datBITCretINSA BITCi11stdFIT
BITCi22stdFIT<-uqarchfit(spec=BITCi22std.data=datBITCretINSA BITCi22stdFIT
BITCi12stdFIT<-uqarchfit(spec=BITCi12std.data=datBITCretINSA BITCi12stdFIT
BITCi21stdFIT<-uqarchfit(spec=BITCi21std.data=datBITCretINSA BITCi21stdFIT
BITCc11stdFIT<-uqarchfit(spec=BITCc11std.data=datBITCretINSA BITCc11stdFIT
BITCc22stdFIT<-uqarchfit(spec=BITCc22std.data=datBITCretINSA BITCc22stdFIT
BITCc12stdFIT<-uqarchfit(spec=BITCc12std.data=datBITCretINSA BITCc12stdFIT
BITCc21stdFIT<-uqarchfit(spec=BITCc21std.data=datBITCretINSA BITCc21stdFIT

BITCs11norFIT<-uqarchfit(spec=BITCs11nor,data=datBITCretINSA BITCs11norFIT
BITCs22norFIT<-uqarchfit(spec=BITCs22nor.data=datBITCretINSA BITCs22norFIT
BITCs12norFIT<-uqarchfit(spec=BITCs12nor.data=datBITCretINSA BITCs12norFIT
BITCs21norFIT<-uqarchfit(spec=BITCs21nor.data=datBITCretINSA BITCs21norFIT
BITCe11norFIT<-uqarchfit(spec=BITCe11nor.data=datBITCretINSA BITCe11norFIT
BITCe22norFIT<-uqarchfit(spec=BITCe22nor.data=datBITCretINSA BITCe22norFIT
BITCe12norFIT<-uqarchfit(spec=BITCe12nor.data=datBITCretINSA BITCe12norFIT
BITCe21norFIT<-uqarchfit(spec=BITCe21nor.data=datBITCretINSA BITCe21norFIT
BITCg11norFIT<-uqarchfit(spec=BITCg11nor.data=datBITCretINSA BITCg11norFIT
BITCg22norFIT<-uqarchfit(spec=BITCg22nor.data=datBITCretINSA BITCg22norFIT
BITCg12norFIT<-uqarchfit(spec=BITCg12nor.data=datBITCretINSA BITCg12norFIT
BITCg21norFIT<-uqarchfit(spec=BITCg21nor.data=datBITCretINSA BITCg21norFIT
BITCi11norFIT<-uqarchfit(spec=BITCi11nor.data=datBITCretINSA BITCi11norFIT
BITCi22norFIT<-uqarchfit(spec=BITCi22nor.data=datBITCretINSA BITCi22norFIT
BITCi12norFIT<-uqarchfit(spec=BITCi12nor.data=datBITCretINSA BITCi12norFIT
BITCi21norFIT<-uqarchfit(spec=BITCi21nor.data=datBITCretINSA BITCi21norFIT
BITCc11norFIT<-uqarchfit(spec=BITCc11nor.data=datBITCretINSA BITCc11norFIT
BITCc22norFIT<-uqarchfit(spec=BITCc22nor.data=datBITCretINSA BITCc22norFIT
BITCc12norFIT<-uqarchfit(spec=BITCc12nor.data=datBITCretINSA BITCc12norFIT
BITCc21norFIT<-uqarchfit(spec=BITCc21nor.data=datBITCretINSA BITCc21norFIT

##LitecoinFIT
LITCs11gedFIT<-uqarchfit(spec=LITCs11ged,data=datLITCretINSA LITCs11gedFIT
LITCs22gedFIT<-uqarchfit(spec=LITCs22ged,data=datLITCretINSA LITCs22gedFIT
LITCs12gedFIT<-uqarchfit(spec=LITCs12ged,data=datLITCretINSA LITCs12gedFIT
LITCs21gedFIT<-uqarchfit(spec=LITCs21ged,data=datLITCretINSA LITCs21gedFIT
LITCe11gedFIT<-uqarchfit(spec=LITCe11ged,data=datLITCretINSA LITCe11gedFIT
LITCe22gedFIT<-uqarchfit(spec=LITCe22ged,data=datLITCretINSA LITCe22gedFIT
LITCe12gedFIT<-uqarchfit(spec=LITCe12ged,data=datLITCretINSA LITCe12gedFIT
LITCe21edFIT<-uqarchfit(spec=LITCe21ed.data=datLITCretINSA LITCe21gedFIT
LITCe11edFIT<-uqarchfit(spec=LITCe11ed.data=datLITCretINSA LITCg11gedFIT
LITCe22edFIT<-uqarchfit(spec=LITCe22ed.data=datLITCretINSA LITCg22gedFIT
LITCe12edFIT<-uqarchfit(spec=LITCe12ed.data=datLITCretINSA LITCg12gedFIT
LITCe21edFIT<-uqarchfit(spec=LITCe21ed.data=datLITCretINSA LITCg21gedFIT
LITCi11edFIT<-uqarchfit(spec=LITCi11ed.data=datLITCretINSA LITCi11gedFIT
LITCi22edFIT<-uqarchfit(spec=LITCi22ed.data=datLITCretINSA LITCi22gedFIT
LITCi12edFIT<-uqarchfit(spec=LITCi12ed.data=datLITCretINSA LITCi12gedFIT
LITCi21gedFIT<-uqarchfit(spec=LITCi21ged,data=datLITCretINSA LITCi21gedFIT
LITCc11gedFIT<-uqarchfit(spec=LITCc11ged,data=datLITCretINSA LITCc11gedFIT
LITCc22gedFIT<-uqarchfit(spec=LITCc22ged,data=datLITCretINSA LITCc22gedFIT
LITCc12gedFIT<-uqarchfit(spec=LITCc12ged,data=datLITCretINSA LITCc12gedFIT
LITCc21edFIT<-uqarchfit(spec=LITCc21ed.data=datLITCretINSA LITCc21gedFIT

LITCs11stdFIT<-uqarchfit(spec=LITCs11std.data=datLITCretINSA LITCs11stdFIT
LITCs22stdFIT<-uqarchfit(spec=LITCs22std.data=datLITCretINSA LITCs22stdFIT
LITCs12stdFIT<-uqarchfit(spec=LITCs12std.data=datLITCretINSA LITCs12stdFIT
LITCs21stdFIT<-uqarchfit(spec=LITCs21std.data=datLITCretINSA LITCs21stdFIT
LITCe11stdFIT<-uqarchfit(spec=LITCe11std.data=datLITCretINSA LITCe11stdFIT
LITCe22stdFIT<-uqarchfit(spec=LITCe22std.data=datLITCretINSA LITCe22stdFIT
LITCe12stdFIT<-uqarchfit(spec=LITCe12std.data=datLITCretINSA LITCe12stdFIT
LITCe21stdFIT<-uqarchfit(spec=LITCe21std.data=datLITCretINSA LITCe21stdFIT
LITCg11stdFIT<-uqarchfit(spec=LITCg11std.data=datLITCretINSA LITCg11stdFIT
LITCg22stdFIT<-uqarchfit(spec=LITCg22std.data=datLITCretINSA LITCg22stdFIT
LITCg12stdFIT<-uqarchfit(spec=LITCg12std.data=datLITCretINSA LITCg12stdFIT
LITCg21stdFIT<-uqarchfit(spec=LITCg21std.data=datLITCretINSA LITCg21stdFIT
LITCi11stdFIT<-uqarchfit(spec=LITCi11std.data=datLITCretINSA LITCi11stdFIT
LITCi22stdFIT<-uqarchfit(spec=LITCi22std.data=datLITCretINSA LITCi22stdFIT
LITCi12stdFIT<-uqarchfit(spec=LITCi12std.data=datLITCretINSA LITCi12stdFIT
LITCi21stdFIT<-uqarchfit(spec=LITCi21std.data=datLITCretINSA LITCi21stdFIT
LITCc11stdFIT<-uqarchfit(spec=LITCc11std.data=datLITCretINSA LITCc11stdFIT
LITCc22stdFIT<-uqarchfit(spec=LITCc22std.data=datLITCretINSA LITCc22stdFIT
LITCc12stdFIT<-uqarchfit(spec=LITCc12std.data=datLITCretINSA LITCc12stdFIT
LITCc21stdFIT<-uqarchfit(spec=LITCc21std.data=datLITCretINSA LITCc21stdFIT

LITCs11norFIT<-uqarchfit(spec=LITCs11nor,data=datLITCretINSA LITCs11norFIT
LITCs22norFIT<-uqarchfit(spec=LITCs22nor.data=datLITCretINSA LITCs22norFIT
LITCs12norFIT<-uqarchfit(spec=LITCs12nor.data=datLITCretINSA LITCs12norFIT
LITCs21norFIT<-uqarchfit(spec=LITCs21nor.data=datLITCretINSA LITCs21norFIT
LITCe11norFIT<-uqarchfit(spec=LITCe11nor.data=datLITCretINSA LITCe11norFIT
LITCe22norFIT<-uqarchfit(spec=LITCe22nor.data=datLITCretINSA LITCe22norFIT
LITCe12norFIT<-uqarchfit(spec=LITCe12nor.data=datLITCretINSA LITCe12norFIT
LITCe21norFIT<-uqarchfit(spec=LITCe21nor.data=datLITCretINSA LITCe21norFIT
LITCe11norFIT<-uqarchfit(spec=LITCe11nor.data=datLITCretINSA LITCg11norFIT
LITCe22norFIT<-uqarchfit(spec=LITCe22nor.data=datLITCretINSA LITCg22norFIT
LITCg12norFIT<-uqarchfit(spec=LITCg12nor.data=datLITCretINSA LITCg12norFIT
LITCg21norFIT<-uqarchfit(spec=LITCg21nor.data=datLITCretINSA LITCg21norFIT
LITCi11norFIT<-uqarchfit(spec=LITCi11nor.data=datLITCretINSA LITCi11norFIT
LITCi22norFIT<-uqarchfit(spec=LITCi22nor.data=datLITCretINSA LITCi22norFIT
LITCi12norFIT<-uqarchfit(spec=LITCi12nor.data=datLITCretINSA LITCi12norFIT
LITCi21norFIT<-uqarchfit(spec=LITCi21nor.data=datLITCretINSA LITCi21norFIT
LITCc11norFIT<-uqarchfit(spec=LITCc11nor.data=datLITCretINSA LITCc11norFIT
LITCc22norFIT<-uqarchfit(spec=LITCc22nor.data=datLITCretINSA LITCc22norFIT
LITCc12norFIT<-uqarchfit(spec=LITCc12nor.data=datLITCretINSA LITCc12norFIT
LITCc21norFIT<-uqarchfit(spec=LITCc21nor.data=datLITCretINSA LITCc21norFIT

##REXFIT
GREXs11gedFIT<-uqarchfit(spec=GREXs11ged,data=datGREXretINSA GREXs11gedFIT
GREXs22gedFIT<-uqarchfit(spec=GREXs22ged,data=datGREXretINSA GREXs22gedFIT
GREXs12gedFIT<-uqarchfit(spec=GREXs12ged,data=datGREXretINSA GREXs12gedFIT
GREXs21gedFIT<-uqarchfit(spec=GREXs21ged,data=datGREXretINSA GREXs21gedFIT
GREXe11gedFIT<-uqarchfit(spec=GREXe11ged,data=datGREXretINSA GREXe11gedFIT
```

```
GREXe22gedFIT<-ugarchfit(spec=GREXe22ged,data=datGREXretINSA GREXe22gedFIT
GREXe12edFIT<-ugarchfit(spec=GREXe12eed,data=datGREXretINSA GREXe12gedFIT
GREXe21edFIT<-ugarchfit(spec=GREXe21eed,data=datGREXretINSA GREXe21gedFIT
GREXe11edFIT<-ugarchfit(spec=GREXe11eed,data=datGREXretINSA GREXg11gedFIT
GREXe22edFIT<-ugarchfit(spec=GREXe22eed,data=datGREXretINSA GREXg22gedFIT
GREXe12edFIT<-ugarchfit(spec=GREXe12eed,data=datGREXretINSA GREXg12gedFIT
GREXe21edFIT<-ugarchfit(spec=GREXe21eed,data=datGREXretINSA GREXg21gedFIT
GREXi11gedFIT<-ugarchfit(spec=GREXi11ged,data=datGREXretINSA GREXi11gedFIT
GREXi12gedFIT<-ugarchfit(spec=GREXi12ged,data=datGREXretINSA GREXi12gedFIT
GREXi12gedFIT<-ugarchfit(spec=GREXi12ged,data=datGREXretINSA GREXi12gedFIT
GREXi21gedFIT<-ugarchfit(spec=GREXi21ged,data=datGREXretINSA GREXi21gedFIT
GREXc11gedFIT<-ugarchfit(spec=GREXc11ged,data=datGREXretINSA GREXc11gedFIT
GREXc22gedFIT<-ugarchfit(spec=GREXc22ged,data=datGREXretINSA GREXc22gedFIT
GREXc12gedFIT<-ugarchfit(spec=GREXc12ged,data=datGREXretINSA GREXc12gedFIT
GREXc21edFIT<-ugarchfit(spec=GREXc21eed,data=datGREXretINSA GREXc21gedFIT

GREXs11stdFIT<-ugarchfit(spec=GREXs11std,data=datGREXretINSA GREXs11stdFIT
GREXs22stdFIT<-ugarchfit(spec=GREXs22std,data=datGREXretINSA GREXs22stdFIT
GREXs12stdFIT<-ugarchfit(spec=GREXs12std,data=datGREXretINSA GREXs12stdFIT
GREXs21stdFIT<-ugarchfit(spec=GREXs21std,data=datGREXretINSA GREXs21stdFIT
GREXe11stdFIT<-ugarchfit(spec=GREXe11std,data=datGREXretINSA GREXe11stdFIT
GREXe22stdFIT<-ugarchfit(spec=GREXe22std,data=datGREXretINSA GREXe22stdFIT
GREXe12stdFIT<-ugarchfit(spec=GREXe12std,data=datGREXretINSA GREXe12stdFIT
GREXe21stdFIT<-ugarchfit(spec=GREXe21std,data=datGREXretINSA GREXe21stdFIT
GREXg11stdFIT<-ugarchfit(spec=GREXg11std,data=datGREXretINSA GREXg11stdFIT
GREXg22stdFIT<-ugarchfit(spec=GREXg22std,data=datGREXretINSA GREXg22stdFIT
GREXg12stdFIT<-ugarchfit(spec=GREXg12std,data=datGREXretINSA GREXg12stdFIT
GREXe21stdFIT<-ugarchfit(spec=GREXe21std,data=datGREXretINSA GREXg21stdFIT
GREXi11stdFIT<-ugarchfit(spec=GREXi11std,data=datGREXretINSA GREXi11stdFIT
GREXi12stdFIT<-ugarchfit(spec=GREXi12std,data=datGREXretINSA GREXi12stdFIT
GREXi12stdFIT<-ugarchfit(spec=GREXi12std,data=datGREXretINSA GREXi12stdFIT
GREXi21stdFIT<-ugarchfit(spec=GREXi21std,data=datGREXretINSA GREXi21stdFIT
GREXc11stdFIT<-ugarchfit(spec=GREXc11std,data=datGREXretINSA GREXc11stdFIT
GREXc22stdFIT<-ugarchfit(spec=GREXc22std,data=datGREXretINSA GREXc22stdFIT
GREXc12stdFIT<-ugarchfit(spec=GREXc12std,data=datGREXretINSA GREXc12stdFIT
GREXc21stdFIT<-ugarchfit(spec=GREXc21std,data=datGREXretINSA GREXc21stdFIT

GREXs11norFIT<-ugarchfit(spec=GREXs11nor,data=datGREXretINSA GREXs11norFIT
GREXs22norFIT<-ugarchfit(spec=GREXs22nor,data=datGREXretINSA GREXs22norFIT
GREXs12norFIT<-ugarchfit(spec=GREXs12nor,data=datGREXretINSA GREXs12norFIT
GREXs21norFIT<-ugarchfit(spec=GREXs21nor,data=datGREXretINSA GREXs21norFIT
GREXe11norFIT<-ugarchfit(spec=GREXe11nor,data=datGREXretINSA GREXe11norFIT
GREXe22norFIT<-ugarchfit(spec=GREXe22nor,data=datGREXretINSA GREXe22norFIT
GREXe12norFIT<-ugarchfit(spec=GREXe12nor,data=datGREXretINSA GREXe12norFIT
GREXe21norFIT<-ugarchfit(spec=GREXe21nor,data=datGREXretINSA GREXe21norFIT
GREXe11norFIT<-ugarchfit(spec=GREXe11nor,data=datGREXretINSA GREXg11norFIT
GREXe22norFIT<-ugarchfit(spec=GREXe22nor,data=datGREXretINSA GREXg22norFIT
GREXg12norFIT<-ugarchfit(spec=GREXg12nor,data=datGREXretINSA GREXg12norFIT
GREXg21norFIT<-ugarchfit(spec=GREXg21nor,data=datGREXretINSA GREXg21norFIT
GREXi11norFIT<-ugarchfit(spec=GREXi11nor,data=datGREXretINSA GREXi11norFIT
GREXi12norFIT<-ugarchfit(spec=GREXi12nor,data=datGREXretINSA GREXi12norFIT
GREXi12norFIT<-ugarchfit(spec=GREXi12nor,data=datGREXretINSA GREXi12norFIT
GREXi21norFIT<-ugarchfit(spec=GREXi21nor,data=datGREXretINSA GREXi21norFIT
GREXc11norFIT<-ugarchfit(spec=GREXc11nor,data=datGREXretINSA GREXc11norFIT
GREXc22norFIT<-ugarchfit(spec=GREXc22nor,data=datGREXretINSA GREXc22norFIT
GREXc12norFIT<-ugarchfit(spec=GREXc12nor,data=datGREXretINSA GREXc12norFIT
GREXc21norFIT<-ugarchfit(spec=GREXc21nor,data=datGREXretINSA GREXc21norFIT

##DAX Private Equity FIT
DAXPs11edFIT<-ugarchfit(spec=DAXPs11eed,data=datDAXPretINSA DAXPs11gedFIT
DAXPs22gedFIT<-ugarchfit(spec=DAXPs22ged,data=datDAXPretINSA DAXPs22gedFIT
DAXPs12gedFIT<-ugarchfit(spec=DAXPs12ged,data=datDAXPretINSA DAXPs12gedFIT
DAXPs21gedFIT<-ugarchfit(spec=DAXPs21ged,data=datDAXPretINSA DAXPs21gedFIT
DAXPe11gedFIT<-ugarchfit(spec=DAXPe11ged,data=datDAXPretINSA DAXPe11gedFIT
DAXPe22gedFIT<-ugarchfit(spec=DAXPe22ged,data=datDAXPretINSA DAXPe22gedFIT
DAXPe12gedFIT<-ugarchfit(spec=DAXPe12ged,data=datDAXPretINSA DAXPe12gedFIT
DAXPe21edFIT<-ugarchfit(spec=DAXPe21eed,data=datDAXPretINSA DAXPe21gedFIT
DAXPe11edFIT<-ugarchfit(spec=DAXPe11eed,data=datDAXPretINSA DAXPg11gedFIT
DAXPe22edFIT<-ugarchfit(spec=DAXPe22eed,data=datDAXPretINSA DAXPg22gedFIT
DAXPe12edFIT<-ugarchfit(spec=DAXPe12eed,data=datDAXPretINSA DAXPg12gedFIT
DAXPe21edFIT<-ugarchfit(spec=DAXPe21eed,data=datDAXPretINSA DAXPg21gedFIT
DAXPi11edFIT<-ugarchfit(spec=DAXPi11eed,data=datDAXPretINSA DAXPi11gedFIT
DAXPi22edFIT<-ugarchfit(spec=DAXPi22eed,data=datDAXPretINSA DAXPi22gedFIT
DAXPi12edFIT<-ugarchfit(spec=DAXPi12ged,data=datDAXPretINSA DAXPi12gedFIT
DAXPi21gedFIT<-ugarchfit(spec=DAXPi21ged,data=datDAXPretINSA DAXPi21gedFIT
DAXPc11gedFIT<-ugarchfit(spec=DAXPc11ged,data=datDAXPretINSA DAXPc11gedFIT
DAXPc22gedFIT<-ugarchfit(spec=DAXPc22ged,data=datDAXPretINSA DAXPc22gedFIT
DAXPc12gedFIT<-ugarchfit(spec=DAXPc12ged,data=datDAXPretINSA DAXPc12gedFIT
DAXPc21gedFIT<-ugarchfit(spec=DAXPc21ged,data=datDAXPretINSA DAXPc21gedFIT

DAXPs11stdFIT<-ugarchfit(spec=DAXPs11std,data=datDAXPretINSA DAXPs11stdFIT
DAXPs22stdFIT<-ugarchfit(spec=DAXPs22std,data=datDAXPretINSA DAXPs22stdFIT
DAXPs12stdFIT<-ugarchfit(spec=DAXPs12std,data=datDAXPretINSA DAXPs12stdFIT
DAXPs21stdFIT<-ugarchfit(spec=DAXPs21std,data=datDAXPretINSA DAXPs21stdFIT
DAXPe11stdFIT<-ugarchfit(spec=DAXPe11std,data=datDAXPretINSA DAXPe11stdFIT
DAXPe22stdFIT<-ugarchfit(spec=DAXPe22std,data=datDAXPretINSA DAXPe22stdFIT
DAXPe12stdFIT<-ugarchfit(spec=DAXPe12std,data=datDAXPretINSA DAXPe12stdFIT
DAXPe21stdFIT<-ugarchfit(spec=DAXPe21std,data=datDAXPretINSA DAXPe21stdFIT
DAXPg11stdFIT<-ugarchfit(spec=DAXPg11std,data=datDAXPretINSA DAXPg11stdFIT
DAXPg22stdFIT<-ugarchfit(spec=DAXPg22std,data=datDAXPretINSA DAXPg22stdFIT
DAXPg12stdFIT<-ugarchfit(spec=DAXPg12std,data=datDAXPretINSA DAXPg12stdFIT
DAXPg21stdFIT<-ugarchfit(spec=DAXPg21std,data=datDAXPretINSA DAXPg21stdFIT
DAXPi11stdFIT<-ugarchfit(spec=DAXPi11std,data=datDAXPretINSA DAXPi11stdFIT
DAXPi22stdFIT<-ugarchfit(spec=DAXPi22std,data=datDAXPretINSA DAXPi22stdFIT
DAXPi12stdFIT<-ugarchfit(spec=DAXPi12std,data=datDAXPretINSA DAXPi12stdFIT
DAXPi21stdFIT<-ugarchfit(spec=DAXPi21std,data=datDAXPretINSA DAXPi21stdFIT
DAXPc11stdFIT<-ugarchfit(spec=DAXPc11std,data=datDAXPretINSA DAXPc11stdFIT
DAXPc22stdFIT<-ugarchfit(spec=DAXPc22std,data=datDAXPretINSA DAXPc22stdFIT
DAXPc12stdFIT<-ugarchfit(spec=DAXPc12std,data=datDAXPretINSA DAXPc12stdFIT
DAXPc21stdFIT<-ugarchfit(spec=DAXPc21std,data=datDAXPretINSA DAXPc21stdFIT

DAXPs11norFIT<-ugarchfit(spec=DAXPs11nor,data=datDAXPretINSA DAXPs11norFIT
DAXPs22norFIT<-ugarchfit(spec=DAXPs22nor,data=datDAXPretINSA DAXPs22norFIT
DAXPs12norFIT<-ugarchfit(spec=DAXPs12nor,data=datDAXPretINSA DAXPs12norFIT
DAXPs21norFIT<-ugarchfit(spec=DAXPs21nor,data=datDAXPretINSA DAXPs21norFIT
DAXPe11norFIT<-ugarchfit(spec=DAXPe11nor,data=datDAXPretINSA DAXPe11norFIT
DAXPe22norFIT<-ugarchfit(spec=DAXPe22nor,data=datDAXPretINSA DAXPe22norFIT
DAXPe12norFIT<-ugarchfit(spec=DAXPe12nor,data=datDAXPretINSA DAXPe12norFIT
DAXPe21norFIT<-ugarchfit(spec=DAXPe21nor,data=datDAXPretINSA DAXPe21norFIT
DAXPg11norFIT<-ugarchfit(spec=DAXPe11nor,data=datDAXPretINSA DAXPg11norFIT
DAXPg22norFIT<-ugarchfit(spec=DAXPe22nor,data=datDAXPretINSA DAXPg22norFIT
DAXPg12norFIT<-ugarchfit(spec=DAXPe12nor,data=datDAXPretINSA DAXPg12norFIT
DAXPg21norFIT<-ugarchfit(spec=DAXPe21nor,data=datDAXPretINSA DAXPg21norFIT
DAXPi11norFIT<-ugarchfit(spec=DAXPi11nor,data=datDAXPretINSA DAXPi11norFIT
DAXPi22norFIT<-ugarchfit(spec=DAXPi22nor,data=datDAXPretINSA DAXPi22norFIT
DAXPi12norFIT<-ugarchfit(spec=DAXPi12nor,data=datDAXPretINSA DAXPi12norFIT
DAXPi21norFIT<-ugarchfit(spec=DAXPi21nor,data=datDAXPretINSA DAXPi21norFIT
DAXPc11norFIT<-ugarchfit(spec=DAXPc11nor,data=datDAXPretINSA DAXPc11norFIT
DAXPc22norFIT<-ugarchfit(spec=DAXPc22nor,data=datDAXPretINSA DAXPc22norFIT
DAXPc12norFIT<-ugarchfit(spec=DAXPc12nor,data=datDAXPretINSA DAXPc12norFIT
DAXPc21norFIT<-ugarchfit(spec=DAXPc21nor,data=datDAXPretINSA DAXPc21norFIT
```

DIGITAL APPENDIX M

M_[CODE_LOSS FUNCTIONS]_Chapter 4.7._GARCH Models

```
#Defining variables
DJACLoc<-df$DJACLo
DJACHic<-df$DJACHi
DJALLoc<-df$DJALLo
DJALHic<-df$DJALHi
DJCCLoc<-df$DJCCLo
DJCCHic<-df$DJCCHi
DJCFLoc<-df$DJCFLo
DJCFHic<-df$DJCFHi
DJCPLoc<-df$DJCPLo
DJCPHic<-df$DJCPHi
DJCTLoc<-df$DJCTLo
DJCTHic<-df$DJCTHi
DJLELoc<-df$DJLELo
DJLEHic<-df$DJLEHi
DJGOLoc<-df$DJGOLo
DJGOHic<-df$DJGOHi
DJNILoc<-df$DJNILo
DJNIHic<-df$DJNIHi
DJSILoc<-df$DJSILo
DJSIHic<-df$DJSIHi
DJSULoc<-df$DJSULo
DJSUHic<-df$DJSUHi
DJWELoc<-df$DJWELo
DJWEHic<-df$DJWEHi
DJZILoc<-df$DJZILo
DJZIHic<-df$DJZIHi
DJLHLoc<-df$DJLHLo
DJLHHic<-df$DJLHHi
DJNGLoc<-df$DJNGLo
DJNGHic<-df$DJNGHi
DJPELoc<-df$DJPELo
DJPEHic<-df$DJPEHi
DJSOLoc<-df$DJSOLo
DJSOHic<-df$DJSOHi
SEFPLoc<-df$SEFPLo
SEFPHic<-df$SEFPHi
SEECLoc<-df$SEECLo
SEECHic<-df$SEECHi
SEFLLoc<-df$SEFLLo
SEFLHic<-df$SEFLHi
SEUTLoc<-df$SEUTLo
SEUTHic<-df$SEUTHi
SETRLoc<-df$SETRLo
SETRHic<-df$SETRHi
SEMOLoc<-df$SEMOLo
SEMOHic<-df$SEMOHi
SEOGLoc<-df$SEOGLo
SEOGHic<-df$SEOGHi
SEOELoc<-df$SEOELo
SEOEHic<-df$SEOEHi
SEAILoc<-df$SEAILo
SEAIHic<-df$SEAIHi
SEISLoc<-df$SEISLo
SEISHic<-df$SEISHi
SERELoc<-df$SERELo
SEREHic<-df$SEREHi
SEAELoc<-df$SEAELo
SEAEHic<-df$SEAEHi
SESOLoc<-df$SESOLo
SESOHic<-df$SESOHi
SETELoc<-df$SETELo
SETEHic<-df$SETEHi
SEBELoc<-df$SEBELo
SEBEHic<-df$SEBEHi
SEETLoc<-df$SEETLo
SEETHic<-df$SEETHi
SECHLoc<-df$SECHLo
SECHHic<-df$SECHHi
SEAPLoc<-df$SEAPLo
SEAPHic<-df$SEAPHi
BITCLoc<-df$BITCLo
BITCHic<-df$BITCHi
LITCLoc<-df$LITCLo
LITCHic<-df$LITCHi
DAXPLoc<-df$DAXPLo
DAXPHic<-df$DAXPHi
GREXLoc<-df$GREXLo
GREXHic<-df$GREXHi

#Replace missing values
DJACLoaprx<-na.approx(DJACLo)
DJACHiaprx<-na.approx(DJACHi)
DJALLoaprx<-na.approx(DJALLo)
DJALHiaprx<-na.approx(DJALHi)
DJCCLoaprx<-na.approx(DJCCLo)
DJCCHiaprx<-na.approx(DJCCHi)
DJCFLoaprx<-na.approx(DJCFLo)
DJCFHiaprx<-na.approx(DJCFHi)
DJCPLoaprx<-na.approx(DJCPLo)
DJCPHiaprx<-na.approx(DJCPHi)
DJCTLoaprx<-na.approx(DJCTLo)
DJCTHiaprx<-na.approx(DJCTHi)
DJLELoaprx<-na.approx(DJLELo)
DJLEHiaprx<-na.approx(DJLEHi)
DJGOLoaprx<-na.approx(DJGOLo)
DJGOHiaprx<-na.approx(DJGOHi)
DJNILoaprx<-na.approx(DJNILo)
DJNIHiaprx<-na.approx(DJNIHi)
DJSILoaprx<-na.approx(DJSILo)
DJSIHiaprx<-na.approx(DJSIHi)
DJSULoaprx<-na.approx(DJSULo)
DJSUHiaprx<-na.approx(DJSUHi)
DJWELoaprx<-na.approx(DJWELo)
DJWEHiaprx<-na.approx(DJWEHi)
DJZILoaprx<-na.approx(DJZILo)
DJZIHiaprx<-na.approx(DJZIHi)
DJLHLoaprx<-na.approx(DJLHLo)
DJLHHiaprx<-na.approx(DJLHHi)
DJNGLoaprx<-na.approx(DJNGLo)
DJNGHiaprx<-na.approx(DJNGHi)
DJPELoaprx<-na.approx(DJPELo)
DJPEHiaprx<-na.approx(DJPEHi)
DJSOLoaprx<-na.approx(DJSOLo)
DJSOHiaprx<-na.approx(DJSOHi)
SEFPLoaprx<-na.approx(SEFPLo)
SEFPHiaprx<-na.approx(SEFPHi)
SEECLoaprx<-na.approx(SEECLo)
SEECHiaprx<-na.approx(SEECHi)
SEFLLoaprx<-na.approx(SEFLLo)
SEFLHiaprx<-na.approx(SEFLHi)
SEUTLoaprx<-na.approx(SEUTLo)
SEUTHiaprx<-na.approx(SEUTHi)
SETRLoaprx<-na.approx(SETRLo)
SETRHiaprx<-na.approx(SETRHi)
SEMOLoaprx<-na.approx(SEMOLo)
SEMOHiaprx<-na.approx(SEMOHi)
SEOGLoaprx<-na.approx(SEOGLo)
SEOGHiaprx<-na.approx(SEOGHi)
SEOELoaprx<-na.approx(SEOELo)
SEOEHiaprx<-na.approx(SEOEHi)
SEAILoaprx<-na.approx(SEAILo)
SEAIHiaprx<-na.approx(SEAIHi)
SEISLoaprx<-na.approx(SEISLo)
SEISHiaprx<-na.approx(SEISHi)
SERELoaprx<-na.approx(SERELo)
SEREHiaprx<-na.approx(SEREHi)
SEAELoaprx<-na.approx(SEAELo)
SEAEHiaprx<-na.approx(SEAEHi)
SESOLoaprx<-na.approx(SESOLo)
SESOHiaprx<-na.approx(SESOHi)
SETELoaprx<-na.approx(SETELo)
SETEHiaprx<-na.approx(SETEHi)
SEBELoaprx<-na.approx(SEBELo)
SEBEHiaprx<-na.approx(SEBEHi)
SEETLoaprx<-na.approx(SEETLo)
SEETHiaprx<-na.approx(SEETHi)
SECHLoaprx<-na.approx(SECHLo)
SECHHiaprx<-na.approx(SECHHi)
SEAPLoaprx<-na.approx(SEAPLo)
SEAPHiaprx<-na.approx(SEAPHi)
BITCLoaprx<-na.approx(BITCLo)
BITCHiaprx<-na.approx(BITCHi)
LITCLoaprx<-na.approx(LITCLo)
LITCHiaprx<-na.approx(LITCHi)
DAXPLoaprx<-na.approx(DAXPLo)
DAXPHiaprx<-na.approx(DAXPHi)
GREXLoaprx<-na.approx(GREXLo)
GREXHiaprx<-na.approx(GREXHi)

#Parkinson Returncalculation for out of samole Data Set with aproximSet into a new dataframe                                                
```

```
SEAPretOUTSApark<-(((ln(SEAPHiaprx[1:182])-ln(SEAPLoaprx[1:182]))^2).datSEAPretOUTSApark<-data.frame(Date=seq(as.Date("2018-09-1"), as.Date("2019-02-28"), by=1), rev(SEAPretOUTSApark) SEAPretOUTSApark
BITCretOUTSApark<-(((ln(BITCHiaprx[1:182])-ln(BITCLoaprx[1:182]))^2).datBITCretOUTSApark<-data.frame(Date=seq(as.Date("2018-09-1"), as.Date("2019-02-28"). by=1). rev(BITCretOUTSApark) BITCretOUTSApark
LITCretOUTSApark<-(((ln(LITCHiaprx[1:182])-ln(LITCLoaprx[1:182]))^2).datLITCretOUTSApark<-data.frame(Date=seq(as.Date("2018-09-1"), as.Date("2019-02-28"). by=1). rev(LITCretOUTSApark) LITCretOUTSApark
DAXPretOUTSApark<-(((ln(DAXPHiaprx[1:182])-ln(DAXPLoaprx[1:182]))^2).datDAXPretOUTSApark<-data.frame(Date=seq(as.Date("2018-09-1"), as.Date("2019-02-28"). by=1). rev(DAXPretOUTSApark) DAXPretOUTSApark
GREXretOUTSApark<-(((ln(GREXHiaprx[1:182])-ln(GREXLoaprx[1:182]))^2).datGREXretOUTSApark<-data.frame(Date=seq(as.Date("2018-09-1"), as.Date("2019-02-28"). by=1). rev(GREXretOUTSApark) GREXretOUTSApark
```

```
#MSE
##All Cattle MSE
mse(DJACs11gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs22gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs12gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs21gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe11gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe22gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe12gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe21gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg11gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg22gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg12gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg21gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi11gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi22gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi12gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi21gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc11gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc22gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc12gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc21gedFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs11stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs22stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs12stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs21stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe11stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe22stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe12stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe21stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg11stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg22stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg12stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg21stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi11stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi22stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi12stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi21stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc11stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc22stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc12stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc21stdFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs11norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs22norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs12norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACs21norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe11norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe22norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe12norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACe21norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg11norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg22norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg12norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACg21norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi11norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi22norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi12norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACi21norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc11norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc22norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc12norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
mse(DJACc21norFORE@forecast$sigma^2,(datDJACretOUTSApark$rev.DJACretOUTSApark))
##Aluminium MSE##ALretOUTSApark))
mse(DJALs11gedFORE@forecast$sigma^2,(datDJALretOUTSApark$rev.DJALretOUTSApark))
mse(DJALs22gedFORE@forecast$sigma^2,(datDJALretOUTSApark$rev.DJALretOUTSApark))
mse(DJALs12gedFORE@forecast$sigma^2,(datDJALretOUTSApark$rev.DJALretOUTSApark))
mse(DJALs21gedFORE@forecast$sigma^2,(datDJALretOUTSApark$rev.DJALretOUTSApark))
mse(DJALe11gedFORE@forecast$sigma^2,(datDJALretOUTSApark$rev.DJALretOUTSApark))
mse(DJALe22gedFORE@forecast$sigma^2,(datDJALretOUTSApark$rev.DJALretOUTSApark))
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mse(DAXPi22gedFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc11gedFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc22gedFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc12gedFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc21gedFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs11stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs22stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs12stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs21stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe11stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe22stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe12stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe21stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg11stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg22stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg12stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg21stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi11stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi22stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi12stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi21stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc11stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc22stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc12stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc21stdFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs11norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs22norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs12norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPs21norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe11norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe22norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe12norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPe21norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg11norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg22norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg12norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPg21norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi11norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi22norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi12norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPi21norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc11norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc22norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc12norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
mse(DAXPc21norFORE@forecast$sigma^2,(datDAXPretOUTSApark$rev.DAXPretOUTSApark))
```

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#MAE
##All Cattle MAE
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs11gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs22gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs12gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs21gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe11gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe22gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe12gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe21gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg11gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg22gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg12gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg21gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi11gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi22gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi12gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi21gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc11gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc22gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc12gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc21gedFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs11stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs22stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs12stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs21stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe11stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe22stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe12stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe21stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg11stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg22stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg12stdFORE@forecast$sigma^2)
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mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi11stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi22stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi12stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi21stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc11stdFORE@forecast$sigma^2)
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mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc12stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc21stdFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs11norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs22norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs12norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs21norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe11norFORE@forecast$sigma^2)
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mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg11norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg22norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg12norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg21norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi11norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi22norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi12norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi21norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc11norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc22norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc12norFORE@forecast$sigma^2)
mae(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc21norFORE@forecast$sigma^2)
##Aluminium MAE
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs11gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs22gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs12gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs21gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe11gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe22gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe12gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe21gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg11gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg22gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg12gedFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg21gedFORE@forecast$sigma^2)
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mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi22gedFORE@forecast$sigma^2)
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mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs22stdFORE@forecast$sigma^2)
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mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe11stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe22stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe12stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe21stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg11stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg22stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg12stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg21stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi11stdFORE@forecast$sigma^2)
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mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc11stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc22stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc12stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc21stdFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs11norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs22norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs12norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs21norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe11norFORE@forecast$sigma^2)
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mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe12norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe21norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg11norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg22norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg12norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg21norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi11norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi22norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi12norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi21norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc11norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc22norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc12norFORE@forecast$sigma^2)
mae(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc21norFORE@forecast$sigma^2)
##Cocoa MAE
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs11gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs22gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs12gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs21gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe11gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe22gedFORE@forecast$sigma^2)
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mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe21gedFORE@forecast$sigma^2)
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mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg22gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg12gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg21gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi11gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi22gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi12gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi21gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc11gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc22gedFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc12gedFORE@forecast$sigma^2)
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mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs22stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs12stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs21stdFORE@forecast$sigma^2)
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mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe11stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe22stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe12stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe21stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg11stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg22stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg12stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg21stdFORE@forecast$sigma^2)
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mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi22stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi12stdFORE@forecast$sigma^2)
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mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc12stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc21stdFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs11norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs22norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs12norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCs21norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe11norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe22norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe12norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCe21norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg11norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg22norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg12norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCg21norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi11norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi22norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi12norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCi21norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc11norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc22norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc12norFORE@forecast$sigma^2)
mae(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCc21norFORE@forecast$sigma^2)
##Coffee MAE
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs11gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs22gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs12gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs21gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe11gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe22gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe12gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe21gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg11gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg22gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg12gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg21gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi11gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi22gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi12gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi21gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc11gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc22gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc12gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc21gedFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs11stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs22stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs12stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs21stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe11stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe22stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe12stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe21stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg11stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg22stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg12stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg21stdFORE@forecast$sigma^2)
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mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi22stdFORE@forecast$sigma^2)
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mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc11stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc22stdFORE@forecast$sigma^2)
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mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc21stdFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs11norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs22norFORE@forecast$sigma^2)
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mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFs21norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe11norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe22norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe12norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFe21norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg11norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg22norFORE@forecast$sigma^2)
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mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFg21norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi11norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi22norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFi12norFORE@forecast$sigma^2)
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mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc11norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc22norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc12norFORE@forecast$sigma^2)
mae(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFc21norFORE@forecast$sigma^2)
##Copper MAE
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs11gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs22gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs12gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs21gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPe11gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPe22gedFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPe21gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg11gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg22gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg12gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg21gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi11gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi22gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi12gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi21gedFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc11gedFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc21gedFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs22stdFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs12stdFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs21stdFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPe11stdFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg11stdFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg22stdFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi11stdFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi12stdFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi21stdFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc21stdFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs11norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPs22norFORE@forecast$sigma^2)
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mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg11norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg22norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg12norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPg21norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi11norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi22norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi12norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPi21norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc11norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc22norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc12norFORE@forecast$sigma^2)
mae(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc21norFORE@forecast$sigma^2)
##Cotton MAE
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs11gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs22gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs12gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs21gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe11gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe22gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe12gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe21gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg11gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg22gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg12gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg21gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi11gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi22gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi12gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi21gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc11gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc22gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc12gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc21gedFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs11stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs22stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs12stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs21stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe11stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe22stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe12stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe21stdFORE@forecast$sigma^2)
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mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi12stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi21stdFORE@forecast$sigma^2)
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mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc11stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc22stdFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc12stdFORE@forecast$sigma^2)
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mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs22norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs12norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs21norFORE@forecast$sigma^2)
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mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe12norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe21norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg11norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg22norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg12norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg21norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi11norFORE@forecast$sigma^2)
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mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi12norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi21norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc11norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc22norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc12norFORE@forecast$sigma^2)
mae(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc21norFORE@forecast$sigma^2)
##Lead MAE
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEs11gedFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEs22gedFORE@forecast$sigma^2)
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mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEs22stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEs12stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEs21stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe11stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe22stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe12stdFORE@forecast$sigma^2)
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mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEg22stdFORE@forecast$sigma^2)
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mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEg21stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi11stdFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi22stdFORE@forecast$sigma^2)
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mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe11norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe22norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe12norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEe21norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEg11norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEg22norFORE@forecast$sigma^2)
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mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEg21norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi11norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi22norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi12norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi21norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc11norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc22norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc12norFORE@forecast$sigma^2)
mae(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc21norFORE@forecast$sigma^2)
##Gold MAE
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs11gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs22gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs12gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs21gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe11gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe22gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe12gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe21gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg11gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg22gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg12gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg21gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOi11gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOi22gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOi12gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOi21gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc11gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc22gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc12gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc21gedFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs11stdFORE@forecast$sigma^2)
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mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe22stdFORE@forecast$sigma^2)
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mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOi12norFORE@forecast$sigma^2)
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mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc11norFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc22norFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc12norFORE@forecast$sigma^2)
mae(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc21norFORE@forecast$sigma^2)
##Nickel MAE
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs11gedFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs22gedFORE@forecast$sigma^2)
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mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg12gedFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg21gedFORE@forecast$sigma^2)
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mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc21gedFORE@forecast$sigma^2)
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mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs22stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs12stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs21stdFORE@forecast$sigma^2)
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mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg11stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg22stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg12stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg21stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi11stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi22stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi12stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi21stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc11stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc22stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc12stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc21stdFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs11norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs22norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs12norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs21norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe11norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe22norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe12norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe21norFORE@forecast$sigma^2)
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mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg11norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg22norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg12norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg21norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi11norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi22norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi12norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi21norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc11norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc22norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc12norFORE@forecast$sigma^2)
mae(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc21norFORE@forecast$sigma^2)
##Silver MAE
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs11gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs22gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs12gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs21gedFORE@forecast$sigma^2)
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mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe22gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe12gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe21gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIg11gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIg22gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIg12gedFORE@forecast$sigma^2)
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mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi11gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi22gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi12gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi21gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc11gedFORE@forecast$sigma^2)
mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc22gedFORE@forecast$sigma^2)
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mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs21stdFORE@forecast$sigma^2)
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mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe11norFORE@forecast$sigma^2)
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mae(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc11norFORE@forecast$sigma^2)
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##Sugar MAE
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mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe11gedFORE@forecast$sigma^2)
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mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc12gedFORE@forecast$sigma^2)
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mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs12stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs21stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe11stdFORE@forecast$sigma^2)
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mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe12stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe21stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg11stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg22stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg12stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg21stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi11stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi22stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi12stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi21stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc11stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc22stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc12stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc21stdFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs11norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs22norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs12norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs21norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe11norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe22norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe12norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe21norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg11norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg22norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg12norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg21norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi11norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi22norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi12norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi21norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc11norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc22norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc12norFORE@forecast$sigma^2)
mae(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc21norFORE@forecast$sigma^2)
##Wheat MAE
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs11gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs22gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs12gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs21gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe11gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe22gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe12gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe21gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg11gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg22gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg12gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg21gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi11gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi22gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi12gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi21gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc11gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc22gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc12gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc21gedFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs11stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs22stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs12stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs21stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe11stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe22stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe12stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe21stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg11stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg22stdFORE@forecast$sigma^2)
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mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi11stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi22stdFORE@forecast$sigma^2)
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mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc11stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc22stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc12stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc21stdFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs11norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs22norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs12norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs21norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe11norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe22norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe12norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe21norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg11norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg22norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg12norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg21norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi11norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi22norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi12norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi21norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc11norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc22norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc12norFORE@forecast$sigma^2)
mae(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc21norFORE@forecast$sigma^2)
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##Zinc MAE
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs11gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs22gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs12gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs21gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe11gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe22gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe12gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe21gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg11gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg22gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg12gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg21gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi11gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi22gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi12gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi21gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc11gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc22gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc12gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc21gedFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs11stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs22stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs12stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs21stdFORE@forecast$sigma^2)
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mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe22stdFORE@forecast$sigma^2)
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mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe21stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg11stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg22stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg12stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg21stdFORE@forecast$sigma^2)
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mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi22stdFORE@forecast$sigma^2)
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mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc11stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc22stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc12stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc21stdFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs11norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs22norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs12norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs21norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe11norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe22norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe12norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe21norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg11norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg22norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg12norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg21norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi11norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi22norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi12norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi21norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc11norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc22norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc12norFORE@forecast$sigma^2)
mae(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc21norFORE@forecast$sigma^2)
##Lean Hog
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs11gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs22gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs12gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs21gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe11gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe22gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe12gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe21gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg11gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg22gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg12gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg21gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi11gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi22gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi12gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi21gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc11gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc22gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc12gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc21gedFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs11stdFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs22stdFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs12stdFORE@forecast$sigma^2)
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mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg11stdFORE@forecast$sigma^2)
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mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs11norFORE@forecast$sigma^2)
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mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs12norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs21norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe11norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe22norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe12norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe21norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg11norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg22norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg12norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg21norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi11norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi22norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi12norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi21norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc11norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc22norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc12norFORE@forecast$sigma^2)
mae(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc21norFORE@forecast$sigma^2)
##Natural Gas MAE
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs11gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs22gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs12gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs21gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe11gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe22gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe12gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe21gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg11gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg22gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg12gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg21gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi11gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi22gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi21gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc11gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc22gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc12gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc21gedFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs11stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs22stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs12stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs21stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe11stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe22stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe12stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe21stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg11stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg22stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg12stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg21stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi11stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi22stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi21stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc11stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc22stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc12stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc21stdFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs11norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs22norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs12norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs21norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe11norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe22norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe12norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe21norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg11norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg22norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg12norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg21norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi11norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi22norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi21norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc11norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc22norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc12norFORE@forecast$sigma^2)
mae(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc21norFORE@forecast$sigma^2)
##Petroleum MAE
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs11gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs22gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs12gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs21gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe11gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe22gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe12gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe21gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg11gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg22gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg12gedFORE@forecast$sigma^2)
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mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg21gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi11gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi22gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi21gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc11gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc22gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc12gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc21gedFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs11stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs22stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs12stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs21stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe11stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe22stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe12stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe21stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg11stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg22stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg12stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg21stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi11stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi22stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12stdFORE@forecast$sigma^2)
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mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc11stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc22stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc12stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc21stdFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs11norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs22norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs12norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs21norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe11norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe22norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe12norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe21norFORE@forecast$sigma^2)
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mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg12norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg21norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi11norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi22norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi21norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc11norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc22norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc12norFORE@forecast$sigma^2)
mae(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc21norFORE@forecast$sigma^2)
##Soybeans MAE
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs11gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs22gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs12gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs21gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe11gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe22gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe12gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe21gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg11gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg22gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg12gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg21gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi11gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi22gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi12gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi21gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc11gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc22gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc12gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc21gedFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs11stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs22stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs12stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs21stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe11stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe22stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe12stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe21stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg11stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg22stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg12stdFORE@forecast$sigma^2)
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mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi11stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi22stdFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi12stdFORE@forecast$sigma^2)
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mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs21norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe11norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe22norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe12norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe21norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg11norFORE@forecast$sigma^2)
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mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg12norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg21norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi11norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi22norFORE@forecast$sigma^2)
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mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc22norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc12norFORE@forecast$sigma^2)
mae(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc21norFORE@forecast$sigma^2)
##Forestry and Paper MAE
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs11gedFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs22gedFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs12gedFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs21gedFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe11gedFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe22gedFORE@forecast$sigma^2)
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mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc11gedFORE@forecast$sigma^2)
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mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe22stdFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe12stdFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe21stdFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg11stdFORE@forecast$sigma^2)
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mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc11stdFORE@forecast$sigma^2)
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mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc12stdFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc21stdFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs11norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs22norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs12norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs21norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe11norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe22norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe12norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe21norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg11norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg22norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg12norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg21norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi11norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi22norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi12norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi21norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc11norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc22norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc12norFORE@forecast$sigma^2)
mae(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc21norFORE@forecast$sigma^2)
##Electricity MAE
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs11gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs22gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs12gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs21gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe11gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe12gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe21gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg11gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg22gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg12gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg21gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi11gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi22gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi12gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi21gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc11gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc22gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc12gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc21gedFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs11stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs22stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs12stdFORE@forecast$sigma^2)
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mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs21stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe11stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe12stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe21stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg11stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg22stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg12stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg21stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl11stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl22stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl12stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl21stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc11stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc22stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc12stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc21stdFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs11norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs22norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs12norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs21norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe11norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe12norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe21norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg11norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg22norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg12norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg21norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl11norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl22norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl12norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECl21norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc11norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc22norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc12norFORE@forecast$sigma^2)
mae(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc21norFORE@forecast$sigma^2)
##Fixed Line MAE
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs11gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs22gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs12gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs21gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe11gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe22gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe12gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe21gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg11gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg22gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg12gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg21gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl11gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl22gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl12gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl21gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc11gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc22gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc12gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc21gedFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs11stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs22stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs12stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs21stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe11stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe22stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe12stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe21stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg11stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg22stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg12stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg21stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl11stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl22stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl12stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl21stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc11stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc22stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc12stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc21stdFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs11norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs22norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs12norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs21norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe11norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe22norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe12norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe21norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg11norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg22norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg12norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg21norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl11norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl22norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl12norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLl21norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc11norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc22norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc12norFORE@forecast$sigma^2)
mae(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc21norFORE@forecast$sigma^2)
##Gas Water MAE
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs11gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs22gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs12gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs21gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe11gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe22gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe12gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe21gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg11gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg22gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg12gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg21gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl11gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl22gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl12gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl21gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc11gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc22gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc12gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc21gedFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs11stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs22stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs12stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs21stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe11stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe22stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe12stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe21stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg11stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg22stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg12stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg21stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl11stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl22stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl12stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl21stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc11stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc22stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc12stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc21stdFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs11norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs22norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs12norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs21norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe11norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe22norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe12norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe21norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg11norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg22norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg12norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg21norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl11norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl22norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl12norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTl21norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc11norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc22norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc12norFORE@forecast$sigma^2)
mae(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc21norFORE@forecast$sigma^2)
##Industrial Transportation MAE
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs11gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs22gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs12gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs21gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe11gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe22gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe12gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe21gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg11gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg22gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg12gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg21gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl11gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl22gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl12gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl21gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRc11gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRc22gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRc12gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRc21gedFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs11stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs22stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs12stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRs21stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe11stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe22stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe12stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRe21stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg11stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg22stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg12stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRg21stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl11stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl22stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRl12stdFORE@forecast$sigma^2)
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mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRi21stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRc11stdFORE@forecast$sigma^2)
mae(datSETRretOUTSApark$rev.SETRretOUTSApark, SETRc22stdFORE@forecast$sigma^2)
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##Mobile Telecommunication MAE
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##Oil Equipment MAE
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mae(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs22gedFORE@forecast$sigma^2)
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mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs22stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs12stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs21stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe11stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe22stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe12stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe21stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg11stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg22stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg12stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg21stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi11stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi22stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi12stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi21stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc11stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc22stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc12stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc21stdFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs11norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs22norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs12norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs21norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe11norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe22norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe12norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe2norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg11norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg22norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg12norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg21norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi11norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi22norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi12norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi21norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc11norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc22norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc12norFORE@forecast$sigma^2)
mae(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc21norFORE@forecast$sigma^2)
##Real Estate Ivestments MAE
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs11gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs22gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs12gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs21gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe11gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe22gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe12gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe21gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg11gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg22gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg12gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg21gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi11gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi22gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi12gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi21gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc11gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc22gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc12gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc21gedFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs11stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs22stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs12stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs21stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe11stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe22stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe12stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe21stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg11stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg22stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg12stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg21stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi11stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi22stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi12stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi21stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc11stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc22stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc12stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc21stdFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs11norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs22norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs12norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs21norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe11norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe22norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe12norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe21norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg11norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg22norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg12norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg21norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi11norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi22norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi12norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi21norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc11norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc22norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc12norFORE@forecast$sigma^2)
mae(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc21norFORE@forecast$sigma^2)
##REITS MAE
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs11gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs22gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs12gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs21gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe11gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe22gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe12gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe21gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg11gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg22gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg12gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg21gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi11gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi22gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi12gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi21gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc11gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc22gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc12gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc21gedFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs11stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs22stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs12stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs21stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe11stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe22stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe12stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe21stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg11stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg22stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg12stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg21stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi11stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi22stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi12stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi21stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc11stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc22stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc12stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc21stdFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs11norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs22norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs12norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs21norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe11norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe22norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe12norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe21norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg11norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg22norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg12norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg21norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi11norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi22norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi12norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREi21norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc11norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc22norFORE@forecast$sigma^2)
mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc12norFORE@forecast$sigma^2)
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mae(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc21norFORE@forecast$sigma^2)
##Alternative Energy MAE
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mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs22gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs12gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs21gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe11gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe22gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe12gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe21gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg11gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg22gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg12gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg21gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi11gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi22gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi12gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi21gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc11gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc22gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc12gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc21gedFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs11stdFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs22stdFORE@forecast$sigma^2)
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mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg22stdFORE@forecast$sigma^2)
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mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi22stdFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi12stdFORE@forecast$sigma^2)
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mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs22norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs12norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs21norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe11norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe22norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe12norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe21norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg11norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg22norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg12norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg21norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi11norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi22norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi12norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi21norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc11norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc22norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc12norFORE@forecast$sigma^2)
mae(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc21norFORE@forecast$sigma^2)
##Software MAE
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs11gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs22gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs12gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs21gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe11gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe22gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe12gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe21gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg11gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg22gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg12gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg21gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi11gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi22gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi12gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi21gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc11gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc22gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc12gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc21gedFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs11stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs22stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs12stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs21stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe11stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe22stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe12stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe21stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg11stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg22stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg12stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg21stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi11stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi22stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi12stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi21stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc11stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc22stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc12stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc21stdFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs11norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs22norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs12norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs21norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe11norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe22norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe12norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe21norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg11norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg22norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg12norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg21norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi11norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi22norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi12norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi21norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc11norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc22norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc12norFORE@forecast$sigma^2)
mae(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc21norFORE@forecast$sigma^2)
##Technical MAE
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs11gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs22gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs12gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs21gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe11gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe22gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe12gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe21gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg11gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg22gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg12gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg21gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi11gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi22gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi12gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi21gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc11gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc22gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc12gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc21gedFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs11stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs22stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs12stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs21stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe11stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe22stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe12stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe21stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg11stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg22stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg12stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg21stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi11stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi22stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi12stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi21stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc11stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc22stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc12stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc21stdFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs11norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs22norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs12norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs21norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe11norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe22norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe12norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe21norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg11norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg22norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg12norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg21norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi11norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi22norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi12norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi21norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc11norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc22norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc12norFORE@forecast$sigma^2)
mae(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc21norFORE@forecast$sigma^2)
##Beverages MAE
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs11gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs22gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs12gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs21gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe11gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe22gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe12gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe21gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg11gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg22gedFORE@forecast$sigma^2)
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mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg12gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg21gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi11gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi22gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi12gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi21gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc11gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc22gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc12gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc21gedFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs11stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs22stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs12stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs21stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe11stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe22stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe12stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe21stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg11stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg22stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg12stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg21stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi11stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi22stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi12stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi21stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc11stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc22stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc12stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc21stdFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs11norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs22norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs12norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs21norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe11norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe22norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe12norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe21norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg11norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg22norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg12norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg21norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi11norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi22norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi12norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi21norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc11norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc22norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc12norFORE@forecast$sigma^2)
mae(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc21norFORE@forecast$sigma^2)
##Total European Marke
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs11gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs22gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs12gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs21gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe11gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe22gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe12gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe21gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg11gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg22gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg12gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg21gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi11gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi22gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi12gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi21gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc11gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc22gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc12gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc21gedFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs11stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs22stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs12stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs21stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe11stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe22stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe12stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe21stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg11stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg22stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg12stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg21stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi11stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi22stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi12stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi21stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc11stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc22stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc12stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc21stdFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs11norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs22norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs12norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs21norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe11norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe22norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe12norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe21norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg11norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg22norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg12norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg21norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi11norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi22norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi12norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi21norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc11norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc22norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc12norFORE@forecast$sigma^2)
mae(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc21norFORE@forecast$sigma^2)
##Chemcials MAE
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs11gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs22gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs12gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs21gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe11gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe22gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe12gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe21gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg11gedFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg22gedFORE@forecast$sigma^2)
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mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc12norFORE@forecast$sigma^2)
mae(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc21norFORE@forecast$sigma^2)
##Auto and Parts MAE
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs11gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs22gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs12gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs21gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe11gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe22gedFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg11gedFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc11gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc22gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc12gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc21gedFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs11stdFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs22stdFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs12stdFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs21stdFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe11stdFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe22stdFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe12stdFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe21stdFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs11norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs22norFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe11norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe22norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe12norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe21norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg11norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg22norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg12norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg21norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi11norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi22norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi12norFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc11norFORE@forecast$sigma^2)
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mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc12norFORE@forecast$sigma^2)
mae(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc21norFORE@forecast$sigma^2)
##Bitcoin MAE
mae(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs11gedFORE@forecast$sigma^2)
mae(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs22gedFORE@forecast$sigma^2)
mae(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs12gedFORE@forecast$sigma^2)
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mae(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc11norFORE@forecast$sigma^2)
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##Litecoin MAE
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mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe22stdFORE@forecast$sigma^2)
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mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi11stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi22stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi12stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi21stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc11stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc22stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc12stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc21stdFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs11norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs22norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs12norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs21norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe11norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe22norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe12norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe21norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg11norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg22norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg12norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg21norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi11norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi22norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi12norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi21norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc11norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc22norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc12norFORE@forecast$sigma^2)
mae(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc21norFORE@forecast$sigma^2)
##REX MAE
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs11gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs22gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs12gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs21gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe11gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe22gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe12gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe21gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg11gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg22gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg12gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg21gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi11gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi22gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi12gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi21gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc11gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc22gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc12gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc21gedFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs11stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs22stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs12stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs21stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe11stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe22stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe12stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe21stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg11stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg22stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg12stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg21stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi11stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi22stdFORE@forecast$sigma^2)
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mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi12stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi21stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc11stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc22stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc12stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc21stdFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs11norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs22norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs12norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXs21norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe11norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe22norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe12norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXe21norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg11norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg22norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg12norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXg21norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi11norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi22norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi12norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXi21norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc11norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc22norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc12norFORE@forecast$sigma^2)
mae(datGREXretOUTSApark$rev.GREXretOUTSApark, GREXc21norFORE@forecast$sigma^2)
##DAX Private Equity MAE
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs11gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs22gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs12gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs21gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe11gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe22gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe12gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe21gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg11gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg22gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg12gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg21gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi11gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi22gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi12gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi21gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc11gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc22gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc12gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc21gedFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs11stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs22stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs12stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs21stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe11stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe22stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe12stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe21stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg11stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg22stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg12stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg21stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi11stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi22stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi12stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi21stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc11stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc22stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc12stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc21stdFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs11norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs22norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs12norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs21norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe11norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe22norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe12norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe21norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg11norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg22norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg12norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg21norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi11norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi22norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi12norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi21norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc11norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc22norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc12norFORE@forecast$sigma^2)
mae(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc21norFORE@forecast$sigma^2)
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#RMSE

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##All Cattle rmse
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs11gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs22gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs12gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs21gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe11gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe22gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe12gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe21gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg11gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg22gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg12gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg21gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi11gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi22gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi12gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi21gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc11gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc22gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc12gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc21gedFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs11stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs22stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs12stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs21stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe11stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe22stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe12stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe21stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg11stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg22stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg12stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg21stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi11stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi22stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi12stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi21stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc11stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc22stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc12stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc21stdFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs11norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs22norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs12norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACs21norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe11norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe22norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe12norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACe21norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg11norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg22norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg12norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACg21norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi11norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi22norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi12norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACi21norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc11norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc22norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc12norFORE@forecast$sigma^2)
rmse(datDJACretOUTSApark$rev.DJACretOUTSApark, DJACc21norFORE@forecast$sigma^2)
##Aluminium rmse
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs11gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs22gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs12gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs21gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe11gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe22gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe12gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe21gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg11gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg22gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg12gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg21gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi11gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi22gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi12gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi21gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc11gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc22gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc12gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc21gedFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs11stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs22stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs12stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs21stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe11stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe22stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe12stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALe21stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg11stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg22stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg12stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALg21stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi11stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi22stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi12stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALi21stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc11stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc22stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc12stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALc21stdFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs11norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs22norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs12norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALs21norFORE@forecast$sigma^2)
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```
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALel1norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALel2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALel2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALel2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALgl1norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALgl2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALgl2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALgl2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALil1norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALil2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALil2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALil2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALcl1norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALcl2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALcl2norFORE@forecast$sigma^2)
rmse(datDJALretOUTSApark$rev.DJALretOUTSApark, DJALcl2norFORE@forecast$sigma^2)
##Cocoa rmse
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl1gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel1gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl1gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil1gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl1gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2gedFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl1stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2stdFORE@forecast$sigma^2)
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rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel1stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl1stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil1stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl1stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2stdFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl1norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCsl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel1norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCel2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl1norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCgl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil1norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCil2norFORE@forecast$sigma^2)
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rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl1norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2norFORE@forecast$sigma^2)
rmse(datDJCCretOUTSApark$rev.DJCCretOUTSApark, DJCCcl2norFORE@forecast$sigma^2)
##Coffee rmse
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl1gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel1gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl1gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil1gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl1gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2gedFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl1stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel1stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl1stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil1stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2stdFORE@forecast$sigma^2)
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rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl1stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2stdFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl1norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFsl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel1norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFel2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl1norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFgl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil1norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFil2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl1norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2norFORE@forecast$sigma^2)
rmse(datDJCFretOUTSApark$rev.DJCFretOUTSApark, DJCFcl2norFORE@forecast$sigma^2)
##Copper rmse
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl1gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel1gedFORE@forecast$sigma^2)
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rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl1gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl2gedFORE@forecast$sigma^2)
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rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil1gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl1gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl2gedFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl1stdFORE@forecast$sigma^2)
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rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2stdFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2stdFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel1stdFORE@forecast$sigma^2)
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rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2stdFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2stdFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl1stdFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl2stdFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPcl2stdFORE@forecast$sigma^2)
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rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPsl2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel1norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPel2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl1norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPgl2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil1norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPil2norFORE@forecast$sigma^2)
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rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc11norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc22norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc12norFORE@forecast$sigma^2)
rmse(datDJCPretOUTSApark$rev.DJCPretOUTSApark, DJCPc21norFORE@forecast$sigma^2)
##Cotton rmse
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs11gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs22gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs12gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs21gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe11gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe22gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe12gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTe21gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg11gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg22gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg12gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTg21gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi11gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi22gedFORE@forecast$sigma^2)
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rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTi21gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc11gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc22gedFORE@forecast$sigma^2)
rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTc12gedFORE@forecast$sigma^2)
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rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs11stdFORE@forecast$sigma^2)
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rmse(datDJCTretOUTSApark$rev.DJCTretOUTSApark, DJCTs11norFORE@forecast$sigma^2)
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##Lead rmse
rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEs11gedFORE@forecast$sigma^2)
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rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi12norFORE@forecast$sigma^2)
rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEi21norFORE@forecast$sigma^2)
rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc11norFORE@forecast$sigma^2)
rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc22norFORE@forecast$sigma^2)
rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc12norFORE@forecast$sigma^2)
rmse(datDJLEretOUTSApark$rev.DJLEretOUTSApark, DJLEc21norFORE@forecast$sigma^2)
##Gold rmse
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs11gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs22gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs12gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs21gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe11gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe22gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe12gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe21gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg11gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg22gedFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOg12gedFORE@forecast$sigma^2)
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rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOs11stdFORE@forecast$sigma^2)
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rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOe11stdFORE@forecast$sigma^2)
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rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc11norFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc22norFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc12norFORE@forecast$sigma^2)
rmse(datDJGOretOUTSApark$rev.DJGOretOUTSApark, DJGOc21norFORE@forecast$sigma^2)
##Nickel rmse
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs11gedFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIs22gedFORE@forecast$sigma^2)
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rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe12gedFORE@forecast$sigma^2)
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rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg11gedFORE@forecast$sigma^2)
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rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe22norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe12norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIe21norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg11norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg22norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg12norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIg21norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi11norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi22norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi12norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIi21norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc11norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc22norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc12norFORE@forecast$sigma^2)
rmse(datDJNIretOUTSApark$rev.DJNIretOUTSApark, DJNIc21norFORE@forecast$sigma^2)
##Silver rmse
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs11gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs22gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs12gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs21gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe11gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe22gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe12gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe21gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIg11gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIg22gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIg12gedFORE@forecast$sigma^2)
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rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi11gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi22gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi12gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIi21gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc11gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc22gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc12gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc21gedFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs11stdFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs22stdFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs12stdFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs21stdFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe11stdFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe22stdFORE@forecast$sigma^2)
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rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe21stdFORE@forecast$sigma^2)
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rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs11norFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs22norFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIs12norFORE@forecast$sigma^2)
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rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIe11norFORE@forecast$sigma^2)
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rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc12norFORE@forecast$sigma^2)
rmse(datDJSIretOUTSApark$rev.DJSIretOUTSApark, DJSIc21norFORE@forecast$sigma^2)
##Sugar rmse
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs11gedFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs22gedFORE@forecast$sigma^2)
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rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg12stdFORE@forecast$sigma^2)
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rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi11stdFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi22stdFORE@forecast$sigma^2)
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rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc22stdFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc12stdFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc21stdFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs11norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs22norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs12norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUs21norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe11norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe22norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe12norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUe21norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg11norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg22norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg12norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUg21norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi11norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi22norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi12norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUi21norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc11norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc22norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc12norFORE@forecast$sigma^2)
rmse(datDJSUretOUTSApark$rev.DJSUretOUTSApark, DJSUc21norFORE@forecast$sigma^2)
##Wheat rmse
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs11gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs22gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs12gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs21gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe11gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe22gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe12gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe21gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg11gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg22gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg12gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEg21gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi11gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi22gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi12gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEi21gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc11gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc22gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc12gedFORE@forecast$sigma^2)
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rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc21gedFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs11stdFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs22stdFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs12stdFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEs21stdFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe11stdFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe22stdFORE@forecast$sigma^2)
rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEe12stdFORE@forecast$sigma^2)
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rmse(datDJWEretOUTSApark$rev.DJWEretOUTSApark, DJWEc21norFORE@forecast$sigma^2)
##Zinc rmse
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs11gedFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs22gedFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs12gedFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs21gedFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe11gedFORE@forecast$sigma^2)
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rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg11gedFORE@forecast$sigma^2)
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rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe11stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe22stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe12stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe21stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg11stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg22stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg12stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg21stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi11stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi22stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi12stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi21stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc11stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc22stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc12stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc21stdFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs11norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs22norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs12norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIs21norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe11norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe22norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe12norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIe21norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg11norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg22norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg12norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIg21norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi11norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi22norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi12norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIi21norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc11norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc22norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc12norFORE@forecast$sigma^2)
rmse(datDJZIretOUTSApark$rev.DJZIretOUTSApark, DJZIc21norFORE@forecast$sigma^2)
##Lean Hog
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs11gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs22gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs12gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs21gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe11gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe22gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe12gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe21gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg11gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg22gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg12gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg21gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi11gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi22gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi12gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi21gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc11gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc22gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc12gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc21gedFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs11stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs22stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs12stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs21stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe11stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe22stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe12stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe21stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg11stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg22stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg12stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg21stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi11stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi22stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi12stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi21stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc11stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc22stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc12stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc21stdFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs11norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs22norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs12norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHs21norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe11norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe22norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe12norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHe21norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg11norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg22norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg12norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHg21norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi11norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi22norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi12norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHi21norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc11norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc22norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc12norFORE@forecast$sigma^2)
rmse(datDJLHretOUTSApark$rev.DJLHretOUTSApark, DJLHc21norFORE@forecast$sigma^2)
##Natural Gas rmse
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs11gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs22gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs12gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs21gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe11gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe22gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe12gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe21gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg11gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg22gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg12gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg21gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi11gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi22gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi21gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc11gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc22gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc12gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc21gedFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs11stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs22stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs12stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs21stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe11stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe22stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe12stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe21stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg11stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg22stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg12stdFORE@forecast$sigma^2)
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rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg21stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi11stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi21stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc11stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc22stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc12stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc21stdFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs11norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs22norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs12norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGs21norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe11norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe22norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe12norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGe21norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg11norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg22norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg12norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGg21norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi11norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi12norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGi21norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc11norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc22norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc12norFORE@forecast$sigma^2)
rmse(datDJNGretOUTSApark$rev.DJNGretOUTSApark, DJNGc21norFORE@forecast$sigma^2)
##Petroleum rmse
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs11gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs22gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs12gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs21gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe11gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe22gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe12gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe21gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg11gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg22gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg12gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg21gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi11gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi21gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc11gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc22gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc12gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc21gedFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs11stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs22stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs12stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs21stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe11stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe22stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe12stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe21stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg11stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg22stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg12stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg21stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi11stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi21stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc11stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc22stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc12stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc21stdFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs11norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs22norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs12norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEs21norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe11norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe22norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe12norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEe21norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg11norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg22norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg12norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEg21norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi11norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi22norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi12norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEi21norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc11norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc22norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc12norFORE@forecast$sigma^2)
rmse(datDJPEretOUTSApark$rev.DJPEretOUTSApark, DJPEc21norFORE@forecast$sigma^2)
##Soybeans rmse
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs11gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs22gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs12gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs21gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe11gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe22gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe12gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe21gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg11gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg22gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg12gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg21gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi11gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi22gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi12gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi21gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc11gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc22gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc12gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc21gedFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs11stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs22stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs12stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs21stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe11stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe22stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe12stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe21stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg11stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg22stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg12stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg21stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi11stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi22stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi12stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi21stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc11stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc22stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc12stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc21stdFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs11norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs22norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs12norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOs21norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe11norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe22norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe12norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOe21norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg11norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg22norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg12norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOg21norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi11norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi22norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi12norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOi12norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc11norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc22norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc12norFORE@forecast$sigma^2)
rmse(datDJSOretOUTSApark$rev.DJSOretOUTSApark, DJSOc21norFORE@forecast$sigma^2)
##Forestry and Paper rmse
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs11gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs22gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs12gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs21gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe11gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe22gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe12gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe21gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg11gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg22gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg12gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg21gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi11gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi22gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi12gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi12gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi21gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc11gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc22gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc12gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc21gedFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs11stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs22stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs12stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs21stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe11stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe22stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe12stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe21stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg11stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg22stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg12stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg21stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi11stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi22stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi12stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi12stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi21stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc11stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc22stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc12stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc21stdFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs11norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs22norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs12norFORE@forecast$sigma^2)
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rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPs21norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe11norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe22norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe12norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPe21norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg11norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg22norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg12norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPg21norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi11norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi22norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi12norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPi21norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc11norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc22norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc12norFORE@forecast$sigma^2)
rmse(datSEFPretOUTSApark$rev.SEFPretOUTSApark, SEFPc21norFORE@forecast$sigma^2)
##Electricity rmse
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs11gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs12gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs21gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe11gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe12gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe21gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg11gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg22gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg12gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg21gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi11gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi22gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi12gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi21gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc11gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc22gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc12gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc21gedFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs11stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs22stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs12stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs21stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe11stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe12stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe21stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg11stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg22stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg12stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg21stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi11stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi22stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi12stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi21stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc11stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc22stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc12stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc21stdFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs11norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs22norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs12norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECs21norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe11norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe22norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe12norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECe21norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg11norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg22norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg12norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECg21norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi11norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi22norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi12norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECi21norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc11norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc22norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc12norFORE@forecast$sigma^2)
rmse(datSEECretOUTSApark$rev.SEECretOUTSApark, SEECc21norFORE@forecast$sigma^2)
##Fixed Line rmse
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs11gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs22gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs12gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs21gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe11gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe22gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe12gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe21gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg11gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg22gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg12gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg21gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi11gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi22gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi12gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi21gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc11gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc22gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc12gedFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc21gedFORE@forecast$sigma^2)
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rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs22stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs12stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs21stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe11stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe22stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe12stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe21stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg11stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg22stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg12stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg21stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi11stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi22stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi12stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi21stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc11stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc22stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc12stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc21stdFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs11norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs22norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs12norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLs21norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe11norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe22norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe12norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLe21norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg11norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg22norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg12norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLg21norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi11norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi22norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi12norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLi21norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc11norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc22norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc12norFORE@forecast$sigma^2)
rmse(datSEFLretOUTSApark$rev.SEFLretOUTSApark, SEFLc21norFORE@forecast$sigma^2)
##Gas Water rmse
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs11gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs22gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs12gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs21gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe11gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe22gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe12gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe21gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg11gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg22gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg12gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg21gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi11gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi22gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi12gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi21gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc11gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc22gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc12gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc21gedFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs11stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs22stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs12stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs21stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe11stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe22stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe12stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe21stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg11stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg22stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg12stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg21stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi11stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi22stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi12stdFORE@forecast$sigma^2)
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rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc22stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc12stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc21stdFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs11norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs22norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTs12norFORE@forecast$sigma^2)
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rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe11norFORE@forecast$sigma^2)
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rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe12norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTe21norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg11norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg22norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg12norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTg21norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi11norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi22norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi12norFORE@forecast$sigma^2)
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rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTi21norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc11norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc22norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc12norFORE@forecast$sigma^2)
rmse(datSEUTretOUTSApark$rev.SEUTretOUTSApark, SEUTc21norFORE@forecast$sigma^2)
##Industrial Transportation rmse
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs11gedFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs22gedFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs12gedFORE@forecast$sigma^2)
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rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRg11gedFORE@forecast$sigma^2)
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rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRi21gedFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc11gedFORE@forecast$sigma^2)
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rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc21gedFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs11stdFORE@forecast$sigma^2)
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rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRg12stdFORE@forecast$sigma^2)
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rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc12stdFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc21stdFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs11norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs22norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRs12norFORE@forecast$sigma^2)
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rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRe22norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRe12norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRe21norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRg11norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRg22norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRg12norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRg21norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRi11norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRi22norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRi12norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRi21norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc11norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc22norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc12norFORE@forecast$sigma^2)
rmse(datSETRetOUTSApark$rev.SETRetOUTSApark, SETRc21norFORE@forecast$sigma^2)
##Mobile Telecommunication rmse
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs11gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs22gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs12gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs21gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe11gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe22gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe12gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe21gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg11gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg22gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg12gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg21gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi11gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi22gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi12gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi21gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc11gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc22gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc12gedFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc21gedFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs12stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs21stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe11stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe22stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe12stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOe21stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg11stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg22stdFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg21stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi11stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi22stdFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc11stdFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc12stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc21stdFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs11norFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOs12norFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOg11norFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOi22norFORE@forecast$sigma^2)
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rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc22norFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc12norFORE@forecast$sigma^2)
rmse(datSEMOretOUTSApark$rev.SEMOretOUTSApark, SEMOc21norFORE@forecast$sigma^2)
##Oil and and Gas rmse
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs11gedFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs22gedFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs12gedFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs21gedFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGe11gedFORE@forecast$sigma^2)
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rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs22stdFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs12stdFORE@forecast$sigma^2)
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rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGe11stdFORE@forecast$sigma^2)
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rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGc12stdFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGc21stdFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs11norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs22norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs12norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGs21norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGe11norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGe22norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGe12norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGe21norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGg11norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGg22norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGg12norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGg21norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGi11norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGi22norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGi12norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGi21norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGc11norFORE@forecast$sigma^2)
rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGc22norFORE@forecast$sigma^2)
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rmse(datSEOGretOUTSApark$rev.SEOGretOUTSApark, SEOGc21norFORE@forecast$sigma^2)
##Oil Equipment rmse
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs11gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs22gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs12gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs21gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe11gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe22gedFORE@forecast$sigma^2)
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rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe12gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe21gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEg11gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEg22gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEg12gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEg21gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEi11gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEi22gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEi12gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEi21gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc11gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc22gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc12gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc21gedFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs11stdFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs22stdFORE@forecast$sigma^2)
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rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEs21stdFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe11stdFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe22stdFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe12stdFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEe21stdFORE@forecast$sigma^2)
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rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEg12stdFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEg21stdFORE@forecast$sigma^2)
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rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEi21stdFORE@forecast$sigma^2)
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rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc11norFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc22norFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc12norFORE@forecast$sigma^2)
rmse(datSEOEretOUTSApark$rev.SEOEretOUTSApark, SEOEc21norFORE@forecast$sigma^2)
##Airlines rmse
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs11gedFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs22gedFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs12gedFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs21gedFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe11gedFORE@forecast$sigma^2)
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rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg21gedFORE@forecast$sigma^2)
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rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs12stdFORE@forecast$sigma^2)
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rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi22stdFORE@forecast$sigma^2)
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rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc11stdFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc22stdFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc12stdFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc21stdFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs11norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs22norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs12norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIs21norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe11norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe22norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe12norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIe21norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg11norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg22norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIg12norFORE@forecast$sigma^2)
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rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi11norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi22norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi12norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIi21norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc11norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc22norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc12norFORE@forecast$sigma^2)
rmse(datSEAIretOUTSApark$rev.SEAIretOUTSApark, SEAIc21norFORE@forecast$sigma^2)
##Real Estate Ivestments rmse
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rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs22gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs12gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs21gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe11gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe22gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe12gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe21gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg11gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg22gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg12gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg21gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi11gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi22gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi12gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi21gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc11gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc22gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc12gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc21gedFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs11stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs22stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs12stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs21stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe11stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe22stdFORE@forecast$sigma^2)
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rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg21stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi11stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi22stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi12stdFORE@forecast$sigma^2)
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rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc12stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc21stdFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISs11norFORE@forecast$sigma^2)
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rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe11norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe22norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe12norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISe21norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg11norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg22norFORE@forecast$sigma^2)
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rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISg21norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi11norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi22norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi12norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISi21norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc11norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc22norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc12norFORE@forecast$sigma^2)
rmse(datSEISretOUTSApark$rev.SEISretOUTSApark, SEISc21norFORE@forecast$sigma^2)
##REITS rmse
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRes11gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRes22gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRes12gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRes21gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRee11gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRee22gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRee12gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRee21gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERReg11gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERReg22gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERReg12gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERReg21gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRei11gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRei22gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRei12gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRei21gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRec11gedFORE@forecast$sigma^2)
rmse(datSERretOUTSApark$rev.SERRetOUTSApark, SERRec22gedFORE@forecast$sigma^2)
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rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc12gedFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc21gedFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs11stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs22stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs12stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREs21stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe11stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe22stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe12stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREe21stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg11stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg22stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg12stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREg21stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE111stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE122stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE112stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE121stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc11stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc22stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc12stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc21stFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE111norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE122norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE112norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SERE121norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc11norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc22norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc12norFORE@forecast$sigma^2)
rmse(datSEREretOUTSApark$rev.SEREretOUTSApark, SEREc21norFORE@forecast$sigma^2)
##Alternative Energy rmse
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs11gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs22gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs12gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs21gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe11gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe22gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe12gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe21gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg11gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg22gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg12gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg21gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi11gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi22gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi12gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi21gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc11gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc22gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc12gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc21gedFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs11stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs22stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs12stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs21stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe11stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe22stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe12stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe21stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg11stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg22stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg12stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg21stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi11stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi22stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi12stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi21stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc11stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc22stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc12stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc21stFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs11norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs22norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs12norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEs21norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe11norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe22norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe12norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEe21norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg11norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg22norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg12norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEg21norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi11norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi22norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi12norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEi21norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc11norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc22norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc12norFORE@forecast$sigma^2)
rmse(datSEAEretOUTSApark$rev.SEAEretOUTSApark, SEAEc21norFORE@forecast$sigma^2)
##Software rmse
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs11gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs22gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs12gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs21gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe11gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe22gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe12gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe21gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg11gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg22gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg12gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg21gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi111gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi122gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi112gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi121gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc11gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc22gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc12gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc21gedFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs11stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs22stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs12stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs21stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe11stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe22stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe12stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe21stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg11stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg22stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg12stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg21stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi111stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi122stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi112stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi121stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc11stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc22stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc12stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc21stFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs11norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs22norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs12norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOs21norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe11norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe22norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe12norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOe21norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg11norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg22norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg12norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOg21norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi11norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi122norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi112norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOi121norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc11norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc22norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc12norFORE@forecast$sigma^2)
rmse(datSESOretOUTSApark$rev.SESOretOUTSApark, SESOc21norFORE@forecast$sigma^2)
##Technical rmse
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs11gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs22gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs12gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs21gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe11gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe22gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe12gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe21gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg11gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg22gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg12gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg21gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi11gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi22gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi112gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEi121gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc11gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc22gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc12gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEc21gedFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs11stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs22stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs12stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEs21stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe11stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe22stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe12stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEe21stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg11stFORE@forecast$sigma^2)
rmse(datSETEretOUTSApark$rev.SETEretOUTSApark, SETEg22stFORE@forecast$sigma^2)
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rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEg12stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEg21stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi11stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi22stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi12stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi21stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc11stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc22stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc12stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc21stdFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEs11norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEs22norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEs12norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEs21norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEe11norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEe22norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEe12norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEe21norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEg11norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEg22norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEg12norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEg21norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi11norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi22norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi12norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEi21norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc11norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc22norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc12norFORE@forecast$sigma^2)
rmse(datSETeretOUTSApark$rev.SETeretOUTSApark, SETEc21norFORE@forecast$sigma^2)
##Beverages rmse
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs11gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs22gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs12gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs21gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe11gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe22gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe12gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe21gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg11gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg22gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg12gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg21gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi11gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi22gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi12gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi21gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc11gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc22gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc12gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc21gedFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs11stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs22stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs12stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs21stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe11stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe22stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe12stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe21stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg11stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg22stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg12stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg21stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi11stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi22stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi12stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi21stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc11stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc22stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc12stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc21stdFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs11norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs22norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs12norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEs21norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe11norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe22norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe12norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEe21norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg11norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg22norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg12norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEg21norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi11norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi22norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi12norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEi21norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc11norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc22norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc12norFORE@forecast$sigma^2)
rmse(datSEBEretOUTSApark$rev.SEBEretOUTSApark, SEBEc21norFORE@forecast$sigma^2)
##Total European Marke
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs11gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs22gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs12gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs21gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe11gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe22gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe12gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe21gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg11gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg22gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg12gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg21gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi11gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi22gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi12gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi21gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc11gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc22gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc12gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc21gedFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs11stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs22stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs12stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs21stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe11stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe22stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe12stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe21stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg11stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg22stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg12stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg21stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi11stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi22stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi12stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi21stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc11stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc22stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc12stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc21stdFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs11norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs22norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs12norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETs21norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe11norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe22norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe12norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETe21norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg11norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg22norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg12norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETg21norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi11norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi22norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi12norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETi21norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc11norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc22norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc12norFORE@forecast$sigma^2)
rmse(datSEETretOUTSApark$rev.SEETretOUTSApark, SEETc21norFORE@forecast$sigma^2)
##Chemcials rmse
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs11gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs22gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs12gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs21gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe11gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe22gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe12gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe21gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg11gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg22gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg12gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg21gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi11gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi22gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi12gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi21gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc11gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc22gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc12gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc21gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs11stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs22stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs12stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs21stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe11stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe22stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe12stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe21stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg11stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg22stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg12stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg21stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi11stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi22stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi12stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi21stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc11stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc22stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc12stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc21stdFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs11norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs22norFORE@forecast$sigma^2)
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rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs11gedFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHs21norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe11norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe22norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe12norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHe21norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg11norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg22norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg12norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHg21norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi11norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi22norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi12norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHi21norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc11norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc22norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc12norFORE@forecast$sigma^2)
rmse(datSECHretOUTSApark$rev.SECHretOUTSApark, SECHc21norFORE@forecast$sigma^2)
##Auto and Parts rmse
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs11gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs22gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs12gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs21gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe11gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe22gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe12gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe21gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg11gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg22gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg12gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg21gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi11gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi22gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi12gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi21gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc11gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc22gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc12gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc21gedFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs11stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs22stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs12stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs21stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe11stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe22stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe12stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe21stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg11stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg22stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg12stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg21stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi11stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi22stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi12stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi21stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc11stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc22stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc12stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc21stdFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs11norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs22norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs12norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPs21norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe11norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe22norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe12norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPe21norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg11norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg22norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg12norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPg21norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi11norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi22norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi12norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPi21norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc11norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc22norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc12norFORE@forecast$sigma^2)
rmse(datSEAPretOUTSApark$rev.SEAPretOUTSApark, SEAPc21norFORE@forecast$sigma^2)
##Bitcoin rmse
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs11gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs22gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs12gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs21gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe11gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe22gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe12gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe21gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg11gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg22gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg12gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg21gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi11gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi22gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi12gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi21gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc11gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc22gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc12gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc21gedFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs11stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs22stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs12stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs21stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe11stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe22stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe12stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe21stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg11stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg22stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg12stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg21stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi11stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi22stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi12stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi21stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc11stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc22stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc12stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc21stdFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs11norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs22norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs12norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCs21norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe11norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe22norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe12norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCe21norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg11norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg22norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg12norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCg21norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi11norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi22norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi12norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCi21norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc11norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc22norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc12norFORE@forecast$sigma^2)
rmse(datBITCretOUTSApark$rev.BITCretOUTSApark, BITCc21norFORE@forecast$sigma^2)
##Litecoin rmse
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs11gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs22gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs12gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs21gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe11gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe22gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe12gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe21gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg11gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg22gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg12gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg21gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi11gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi22gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi12gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi21gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc11gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc22gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc12gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc21gedFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs11stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs22stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs12stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs21stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe11stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe22stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe12stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe21stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg11stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg22stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg12stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg21stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi11stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi22stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi12stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi21stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc11stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc22stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc12stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc21stdFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs11norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs22norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs12norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCs21norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe11norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe22norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe12norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCe21norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg11norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg22norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg12norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCg21norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi11norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi22norFORE@forecast$sigma^2)

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rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi12norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCi21norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc1norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc2norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc12norFORE@forecast$sigma^2)
rmse(datLITCretOUTSApark$rev.LITCretOUTSApark, LITCc21norFORE@forecast$sigma^2)
##REX rmse
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs11gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs22gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs12gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs21gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe11gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe22gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe12gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe21gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg11gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg22gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg12gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg21gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi11gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi22gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi12gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi21gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc11gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc22gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc12gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc21gedFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs11stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs22stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs12stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs21stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe11stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe22stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe12stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe21stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg11stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg22stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg12stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg21stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi11stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi22stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi12stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi21stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc11stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc22stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc12stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc21stdFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs11norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs22norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs12norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXs21norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe11norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe22norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe12norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXe21norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg11norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg22norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg12norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXg21norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi11norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi22norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi12norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXi21norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc11norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc22norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc12norFORE@forecast$sigma^2)
rmse(datGREXCretOUTSApark$rev.GREXCretOUTSApark, GREXc21norFORE@forecast$sigma^2)
##DAX Private Equity rmse
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs11gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs22gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs12gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs21gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe11gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe22gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe12gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe21gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg11gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg22gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg12gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg21gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi11gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi22gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi12gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi21gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc11gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc22gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc12gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc21gedFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs11stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs22stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs12stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs21stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe11stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe22stdFORE@forecast$sigma^2)
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rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg11stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg22stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg12stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg21stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi11stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi22stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi12stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi21stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc11stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc22stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc12stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc21stdFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs11norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs22norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs12norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPs21norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe11norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe22norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe12norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPe21norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg11norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg22norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg12norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPg21norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi11norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi22norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi12norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPi21norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc11norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc22norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc12norFORE@forecast$sigma^2)
rmse(datDAXPretOUTSApark$rev.DAXPretOUTSApark, DAXPc21norFORE@forecast$sigma^2)
```

```
#R2LOG
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc21norFORE@forecast$sigma^2)^2))/181
##Aluminium Forecast
(sum(ln(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJALretOUTSApark$rev.DJALe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJALretOUTSApark$rev.DJALe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJALretOUTSApark$rev.DJALg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJALretOUTSApark$rev.DJALc11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJALretOUTSApark$rev.DJALs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALl21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJALretOUTSApark$rev.DJALc21norFORE@forecast$sigma^2)^2))/181
##Cocoa Forecast
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCl21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc21norFORE@forecast$sigma^2)^2))/181
##Coffee Forecast
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFl11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFl22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFc21gedFORE@forecast$sigma^2)^2))/181
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##Copper Forecast
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(sum(ln(datDJCPretOUTSApark$rev.DJCPretOUTSApark/DJCPg21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJCPretOUTSApark$rev.DJCPretOUTSApark/DJCPl22gedFORE@forecast$sigma^2)^2))/181
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##Lead Forecast
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(sum(ln(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEe12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEg11norFORE@forecast$sigma^2)^2))/181
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##Gold Forecast
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(sum(ln(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe21stdFORE@forecast$sigma^2)^2))/181

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(sum(ln(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi22stdFORE@forecast$sigma^2)^2))/181
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##Nickel Forecast
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(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSIretOUTSApark$rev.DJSIretOUTSApark/DJSIc21norFORE@forecast$sigma^2)^2))/181
##Sugar Forecast
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUs22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUs11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUs12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUe12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUg21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc12norFORE@forecast$sigma^2)^2))/181
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##Wheat Forecast
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc21norFORE@forecast$sigma^2)^2))/181
##Zinc Forecast
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc21norFORE@forecast$sigma^2)^2))/181
##Lean Hog Forecast
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi21norFORE@forecast$sigma^2)^2))/181
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##Natural Gas Forecast
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc21norFORE@forecast$sigma^2)^2))/181
##Petroleum Forecast
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(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi21norFORE@forecast$sigma^2)^2))/181
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##Soybeans Forecast
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi11norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi21norFORE@forecast$sigma^2)^2))/181
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##Forestry and Paper Forecast
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc21norFORE@forecast$sigma^2)^2))/181
##Electricity Forecast
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc21norFORE@forecast$sigma^2)^2))/181
##Fixed Line Forecast
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc21norFORE@forecast$sigma^2)^2))/181
##Gas Water Forecast
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc21gedFORE@forecast$sigma^2)^2))/181
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##Industrial Transportation Forecast
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(sum(ln(datSETretOUTSApark$rev.SETretOUTSApark/SETRg21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSETretOUTSApark$rev.SETretOUTSApark/SETRc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETretOUTSApark$rev.SETretOUTSApark/SETRc21norFORE@forecast$sigma^2)^2))/181
##Mobile Telecommunication Forecast
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(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc21norFORE@forecast$sigma^2)^2))/181
##Oil and and Gas Forecast
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(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe12stdFORE@forecast$sigma^2)^2))/181

(sum(ln(datSEOGretOUTSApark$rev.SEOGe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGi11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGc11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGs22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOGretOUTSApark$rev.SEOGi22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOGretOUTSApark$rev.SEOGc21norFORE@forecast$sigma^2)^2))/181
##Oil Equipment Forecast
(sum(ln(datSEOEretOUTSApark$rev.SEOEes11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEes22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEes12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEes21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOEretOUTSApark$rev.SEOEee22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOEretOUTSApark$rev.SEOEee21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOEretOUTSApark$rev.SEOEeg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEeg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEei11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEei22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEei12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEei21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEec11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEec22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEec12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEec21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEes11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOEretOUTSApark$rev.SEOEee21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEeg11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEOEretOUTSApark$rev.SEOEec22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEec12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEOEretOUTSApark$rev.SEOEec21norFORE@forecast$sigma^2)^2))/181
##Airlines Forecast
(sum(ln(datSEAIretOUTSApark$rev.SEAIes11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIee11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIee22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIee21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIeg22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIeg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIei11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIei22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIei12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIei21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIes21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIee22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIee12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIee21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIeg22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIei22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIei12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIei21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAIretOUTSApark$rev.SEAIec21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIeg12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEAIretOUTSApark$rev.SEAIei21norFORE@forecast$sigma^2)^2))/181
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##Real Estate Ivestment and Servcies Forecast
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(sum(ln(datSEISretOUTSApark$rev.SEISei22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEISretOUTSApark$rev.SEISec12stdFORE@forecast$sigma^2)^2))/181

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(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc21norFORE@forecast$sigma^2)^2))/181
##REITS Forecast
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(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSERERetOUTSApark$rev.SERERetOUTSApark/SERESc21norFORE@forecast$sigma^2)^2))/181
##Alternative Energy Forecast
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc21norFORE@forecast$sigma^2)^2))/181
##Software Forecast
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc1norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc21norFORE@forecast$sigma^2)^2))/181
##Technical Forecast
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEi22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc22norFORE@forecast$sigma^2)^2))/181
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##Beverages Forecast
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEi22gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEi21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEi21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc12norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs21gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc12gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs11stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs12stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg11norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi21norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc22norFORE@forecast$sigma^2)^2))/181
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(sum(ln(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc21norFORE@forecast$sigma^2)^2))/181
##Chemcials Forecast
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(sum(ln(datSECHretOUTSApark$rev.SECHretOUTSApark/SECHs22gedFORE@forecast$sigma^2)^2))/181
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##Bitcoin Forecast
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##Litecoin Forecast
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(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc21norFORE@forecast$sigma^2)^2))/181
##REX Forecast
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg22stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg21stdFORE@forecast$sigma^2)^2))/181
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(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc21norFORE@forecast$sigma^2)^2))/181
##DAX Private Equity Forecast
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi11gedFORE@forecast$sigma^2)^2))/181
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(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc11gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc22gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc12gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc21gedFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc11stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc22stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc12stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc21stdFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi21norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc11norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc22norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc12norFORE@forecast$sigma^2)^2))/181
(sum(ln(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc21norFORE@forecast$sigma^2)^2))/181

#QLIKE
(sum(ln(DJAcs11gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAcs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAcs22gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAcs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAcs12gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAcs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAcs21gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAcs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAce11gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAce11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAce22gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAce22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAce12gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAce12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJAce21gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJAce12gedFORE@forecast$sigma^2))/181)
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(sum(ln(DJACg22gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACg12gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACg21gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACg21gedFORE@forecast$sigma^2))/181)
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(sum(ln(DJACi21gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACc11gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACc22gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACc12gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACc21gedFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJACs11stdFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACs22stdFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACs12stdFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACs21stdFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACe11stdFORE@forecast$sigma^2)+(datDJAcretOUTSApark$rev.DJAcretOUTSApark/DJACe11stdFORE@forecast$sigma^2))/181)
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(sum(ln(DJACe22stdFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACe12stdFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACe21stdFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACe21stdFORE@forecast$sigma^2))/181)
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(sum(ln(DJACi11stdFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi11stdFORE@forecast$sigma^2))/181)
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(sum(ln(DJACc22stdFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJACc12stdFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc12stdFORE@forecast$sigma^2))/181)
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(sum(ln(DJACs22norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs22norFORE@forecast$sigma^2))/181)
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(sum(ln(DJACs21norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACs21norFORE@forecast$sigma^2))/181)
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(sum(ln(DJACg11norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJACg22norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJACg12norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJACg21norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJACi11norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJACi22norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJACi12norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJACi21norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJACc11norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJACc22norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJACc12norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJACc21norFORE@forecast$sigma^2)+(datDJACretOUTSApark$rev.DJACretOUTSApark/DJACc21norFORE@forecast$sigma^2))/181)
##Aluminium Forecast
(sum(ln(DJALs11gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALs22gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALs12gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALs21gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALe11gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALe22gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALe12gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALe21gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALg11gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALg22gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALg12gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALg21gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALi11gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALi22gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALi12gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALi21gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALc11gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALc22gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALc12gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALc21gedFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJALs11stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALs22stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALs12stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALs21stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALe11stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALe22stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALe12stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALe21stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALg11stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALg22stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALg12stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALg21stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALi11stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALi22stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALi12stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALi21stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALc11stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALc22stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALc12stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALc21stdFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJALs11norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJALs22norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJALs12norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJALs21norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJALe11norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJALe22norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJALe12norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJALe21norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJALg11norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJALg22norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJALg12norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJALg21norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJALi11norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJALi22norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJALi12norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJALi21norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJALc11norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJALc22norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJALc12norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJALc21norFORE@forecast$sigma^2)+(datDJALretOUTSApark$rev.DJALretOUTSApark/DJALc21norFORE@forecast$sigma^2))/181)
##Cocoa Forecast
(sum(ln(DJCCs11gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs22gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs12gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs21gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe11gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe22gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe12gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe21gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg11gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg22gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg12gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg21gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi11gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi22gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi12gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi21gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc11gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc22gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc12gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc21gedFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs11stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs22stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs12stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs21stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe11stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe22stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe12stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe21stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg11stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg22stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg12stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg21stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi11stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi22stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi12stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi21stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc11stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc22stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc12stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc21stdFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs11norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs22norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs12norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCs21norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe11norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe22norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe12norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCe21norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg11norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg22norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg12norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCg21norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi11norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi22norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi12norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCi21norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc11norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc22norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc12norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJCCc21norFORE@forecast$sigma^2)+(datDJCCretOUTSApark$rev.DJCCretOUTSApark/DJCCc21norFORE@forecast$sigma^2))/181)
##Coffee Forecast
(sum(ln(DJCFs11gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs22gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs12gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs21gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe11gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe22gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe12gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe21gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg11gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg22gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg12gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg21gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi11gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi22gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi12gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi21gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFc11gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFc22gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFc12gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFc21gedFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs11stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs22stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs12stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFs21stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe11stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe22stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe12stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFe21stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg11stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg22stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg12stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFg21stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi11stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi22stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi12stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFi21stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJCFc11stdFORE@forecast$sigma^2)+(datDJCFretOUTSApark$rev.DJCFretOUTSApark/DJCFc11stdFORE@forecast$sigma^2))/181)

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(sum(ln(D3CFc22stdFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CFc12stdFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CFc21stdFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CFs11norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFs11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFs22norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFs22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFs12norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFs12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFs21norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFs21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFe11norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFe11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFe22norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFe22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFe12norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFe12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFe21norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFe21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFg11norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFg11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFg22norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFg22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFg12norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFg12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFg21norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFg21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFi11norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFi11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFi22norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFi22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFi12norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFi12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFi21norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFi21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFc11norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFc22norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFc12norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CFc21norFORE@forecast$sigma^2)+(datD3CFretOUTSApark$rev.D3CFretOUTSApark/D3CFc21norFORE@forecast$sigma^2))/181)
##Copper Forecast
(sum(ln(D3CPs11gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs22gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs12gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs21gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe11gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe22gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe12gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe21gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg11gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg22gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg12gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg21gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi11gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi22gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi12gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi21gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc11gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc22gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc12gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc21gedFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs11stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs22stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs12stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs21stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe11stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe22stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe12stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe21stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg11stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg22stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg12stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg21stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi11stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi22stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi12stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi21stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc11stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc22stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc12stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc21stdFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs11norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs22norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs12norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPs21norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPs21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe11norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe22norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe12norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPe21norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPe21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg11norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg22norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg12norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPg21norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPg21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi11norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi22norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi12norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPi21norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPi21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc11norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc22norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc12norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CPc21norFORE@forecast$sigma^2)+(datD3CPretOUTSApark$rev.D3CPretOUTSApark/D3CPc21norFORE@forecast$sigma^2))/181)
##Cotton Forecast
(sum(ln(D3CTs11gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs22gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs12gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs21gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe11gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe22gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe12gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe21gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg11gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg22gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg12gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg21gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi11gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi22gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi12gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi21gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc11gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc22gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc12gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc21gedFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs11stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs22stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs12stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs21stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe11stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe22stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe12stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe21stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg11stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg22stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg12stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg21stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi11stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi22stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi12stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi21stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc11stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc11stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc22stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc22stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc12stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc12stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc21stdFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc21stdFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs11norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs22norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs12norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTs21norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTs21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe11norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe22norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe12norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTe21norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTe21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg11norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg22norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg12norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTg21norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTg21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi11norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi22norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi12norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTi21norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTi21norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc11norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc11norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc22norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc22norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc12norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc12norFORE@forecast$sigma^2))/181)
(sum(ln(D3CTc21norFORE@forecast$sigma^2)+(datD3CTretOUTSApark$rev.D3CTretOUTSApark/D3CTc21norFORE@forecast$sigma^2))/181)
##Lead Forecast
(sum(ln(D3LEs11gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs22gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs12gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs21gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe11gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe22gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe12gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe21gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEg11gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEg22gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEg12gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEg21gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEi11gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEi11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEi22gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEi22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEi12gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEi12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEi21gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEi21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEc11gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEc11gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEc22gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEc22gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEc12gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEc12gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEc21gedFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEc21gedFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs11norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs11norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs22norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs22norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs12norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs12norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEs21norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEs21norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe11norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe11norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe22norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe22norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe12norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe12norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEe21norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEe21norFORE@forecast$sigma^2))/181)
(sum(ln(D3LEg11norFORE@forecast$sigma^2)+(datD3LEretOUTSApark$rev.D3LEretOUTSApark/D3LEg11norFORE@forecast$sigma^2))/181)
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(sum(ln(DJLEg22norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEg21norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEg12norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEi11norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEi22norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEi12norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEi21norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEc11norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEc22norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEc12norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLEc21norFORE@forecast$sigma^2)+(datDJLEretOUTSApark$rev.DJLEretOUTSApark/DJLEc21norFORE@forecast$sigma^2))/181)
##Gold Forecast
(sum(ln(DJGOs11gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs22gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs12gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs21gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe11gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe22gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe12gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe21gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg11gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg22gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg12gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg21gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi11gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi22gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi12gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi21gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc11gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc22gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc12gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc21gedFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs11stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs22stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs12stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs21stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe11stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe22stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe12stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe21stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg11stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg22stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg12stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg21stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi11stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi22stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi12stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi21stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc11stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc22stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc12stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc21stdFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs11norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs22norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs12norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOs21norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe11norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe22norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe12norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOe21norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg11norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg22norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg12norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOg21norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi11norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi22norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi12norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOi21norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc11norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc22norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc12norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJGOc21norFORE@forecast$sigma^2)+(datDJGOretOUTSApark$rev.DJGOretOUTSApark/DJGOc21norFORE@forecast$sigma^2))/181)
##Nickel Forecast
(sum(ln(DJNIs11gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIs22gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIs12gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIs21gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIe11gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIe22gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIe12gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIe21gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIg11gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIg22gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIg12gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIg21gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIi11gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIi22gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIi12gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIi21gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIc11gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIc22gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIc12gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNIc21gedFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIc21gedFORE@forecast$sigma^2))/181)
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(sum(ln(DJNIs22stdFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIs22stdFORE@forecast$sigma^2))/181)
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(sum(ln(DJNIs21stdFORE@forecast$sigma^2)+(datDJNIretOUTSApark$rev.DJNIretOUTSApark/DJNIs21stdFORE@forecast$sigma^2))/181)
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##Silver Forecast
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(sum(ln(DJSUi12norFORE@forecast$sigma^2)+(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSUi21norFORE@forecast$sigma^2)+(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJSUc11norFORE@forecast$sigma^2)+(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJSUc22norFORE@forecast$sigma^2)+(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJSUc12norFORE@forecast$sigma^2)+(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSUc21norFORE@forecast$sigma^2)+(datDJSUretOUTSApark$rev.DJSUretOUTSApark/DJSUc21norFORE@forecast$sigma^2))/181)
##Wheat Forecast
(sum(ln(DJWEs11gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs22gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs12gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs21gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe11gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe22gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe12gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe21gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg11gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg22gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg12gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg21gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi11gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi22gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi12gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi21gedFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc11stdFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc22stdFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc12stdFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc21stdFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs11norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs22norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs12norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEs21norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe11norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe22norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe12norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEe21norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg11norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg22norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg12norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEg21norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi11norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi22norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi12norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEi21norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc11norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc22norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc12norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJWEc21norFORE@forecast$sigma^2)+(datDJWEretOUTSApark$rev.DJWEretOUTSApark/DJWEc21norFORE@forecast$sigma^2))/181)
##Zinc Forecast
(sum(ln(DJZIs11gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs22gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs12gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs21gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe11gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe22gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe12gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe21gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg11gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg22gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg12gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg21gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi11gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi22gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi12gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi21gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc11gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc22gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc12gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc21gedFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs11stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs22stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs12stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs21stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe11stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe22stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe12stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe21stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg11stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg22stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg12stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg21stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi11stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi22stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi12stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi21stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc11stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc22stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc12stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc21stdFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs11norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs22norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs12norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIs21norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe11norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe22norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe12norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIe21norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg11norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg22norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg12norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIg21norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi11norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi22norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi12norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIi21norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc11norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc22norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc12norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJZIc21norFORE@forecast$sigma^2)+(datDJZIretOUTSApark$rev.DJZIretOUTSApark/DJZIc21norFORE@forecast$sigma^2))/181)
##Lean Hog Forecast
(sum(ln(DJLHs11gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs22gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs12gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs21gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe11gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe22gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe12gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe21gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg11gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg22gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg12gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg21gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg21gedFORE@forecast$sigma^2))/181)
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(sum(ln(DJLHi11gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi22gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi12gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi21gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc11gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc22gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc12gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc21gedFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs11stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs22stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs12stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs21stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe11stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe22stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe12stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe21stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg11stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg22stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg12stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg21stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi11stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi22stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi12stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi21stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc11stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc22stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc12stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc21stdFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs11norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs22norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs12norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHs21norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe11norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe22norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe12norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHe21norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg11norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg22norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg12norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHg21norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi11norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi22norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi12norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHi21norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc11norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc22norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc12norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJLHc21norFORE@forecast$sigma^2)+(datDJLHretOUTSApark$rev.DJLHretOUTSApark/DJLHc21norFORE@forecast$sigma^2))/181)
##Natural Gas Forecast
(sum(ln(DJNGs11gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs22gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs12gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs21gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe11gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe22gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe12gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe21gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg11gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg22gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg12gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg21gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi11gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi22gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi12gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi21gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc11gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc22gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc12gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc21gedFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs11norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs22norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs12norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGs21norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe11norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe22norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe12norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGe21norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg11norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg22norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg12norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGg21norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi11norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi22norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi12norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGi21norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc11norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc22norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc12norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJNGc21norFORE@forecast$sigma^2)+(datDJNGretOUTSApark$rev.DJNGretOUTSApark/DJNGc21norFORE@forecast$sigma^2))/181)
##Petroleum Forecast
(sum(ln(DJPEs11gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs22gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs12gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs21gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe11gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe22gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe12gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe21gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg11gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg22gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg12gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg21gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi11gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi22gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi12gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi21gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc11gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc22gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc12gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc21gedFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs11stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs22stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs12stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs21stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe11stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe22stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe12stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe21stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg11stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg22stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg12stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg21stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi11stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi22stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi12stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi21stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc11stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc22stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc12stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc21stdFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs11norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs22norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs12norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEs21norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe11norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe22norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe12norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEe21norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg11norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg22norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg12norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEg21norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi11norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi22norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi12norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEi21norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc11norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc22norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc12norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJPEc21norFORE@forecast$sigma^2)+(datDJPEretOUTSApark$rev.DJPEretOUTSApark/DJPEc21norFORE@forecast$sigma^2))/181)
##Soybeans Forecast
(sum(ln(DJSOs11gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs22gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs12gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs21gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe11gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe22gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe12gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe21gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg11gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg22gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg12gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg21gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi11gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi22gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi12gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi21gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc11gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc22gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc12gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc21gedFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs11stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs22stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs12stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs21stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs21stdFORE@forecast$sigma^2))/181)
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(sum(ln(DJSOe11stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe22stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe12stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe21stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg11stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg22stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg12stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg21stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi11stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi22stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi12stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi21stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc11stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc22stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc12stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc21stdFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs11norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs11norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs22norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs22norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs12norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOs21norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOs21norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe11norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe11norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe22norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe22norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe12norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOe21norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOe21norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg11norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg11norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg22norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg22norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg12norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOg21norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOg21norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi11norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi11norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi22norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi22norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi12norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOi21norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOi21norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc11norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc11norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc22norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc22norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc12norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc12norFORE@forecast$sigma^2))/181)
(sum(ln(DJSOc21norFORE@forecast$sigma^2)+(datDJSOretOUTSApark$rev.DJSOretOUTSApark/DJSOc21norFORE@forecast$sigma^2))/181)
##Forestry and Paper Forecast
(sum(ln(SEFPs11gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs22gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs12gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs21gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe11gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe22gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe12gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe21gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg11gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg22gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg12gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg21gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi11gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi22gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi12gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi21gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc11gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc22gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc12gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc21gedFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs11stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs22stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs12stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs21stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe11stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe22stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe12stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe21stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg11stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg22stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg12stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg21stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi11stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi22stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi12stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi21stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc11stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc22stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc12stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc21stdFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs11norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs22norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs12norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPs21norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe11norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe22norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe12norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPe21norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg11norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg22norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg12norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPg21norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi11norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi22norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi12norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPi21norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc11norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc22norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc12norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFPc21norFORE@forecast$sigma^2)+(datSEFPretOUTSApark$rev.SEFPretOUTSApark/SEFPc21norFORE@forecast$sigma^2))/181)
##Electricity Forecast
(sum(ln(SEECs11gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECs22gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECs12gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECs21gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECe11gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECe22gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECe12gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECe21gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECg11gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECg22gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECg12gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECg21gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECi11gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECi22gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECi12gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECi21gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECc11gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECc22gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECc12gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECc21gedFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEECs11stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECs22stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECs12stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECs21stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECe11stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECe22stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECe12stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECe21stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECg11stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECg22stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECg12stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECg21stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECi11stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECi22stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECi12stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECi21stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECc11stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECc22stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECc12stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECc21stdFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEECs11norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEECs22norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEECs12norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEECs21norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEECe11norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEECe22norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEECe12norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEECe21norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEECg11norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEECg22norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEECg12norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEECg21norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEECi11norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEECi22norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEECi12norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEECi21norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEECc11norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEECc22norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEECc12norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEECc21norFORE@forecast$sigma^2)+(datSEECretOUTSApark$rev.SEECretOUTSApark/SEECc21norFORE@forecast$sigma^2))/181)
##Fixed Line Forecast
(sum(ln(SEFLs11gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs22gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs12gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs21gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe11gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe22gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe12gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe21gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg11gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg22gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg12gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg21gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi11gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi22gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi12gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi21gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc11gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc22gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc12gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc21gedFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs11stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs22stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs12stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs21stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe11stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe22stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe12stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe21stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg11stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg22stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg12stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg21stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi11stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi22stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi12stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi21stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi21stdFORE@forecast$s

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(sum(ln(SEFLc11stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc22stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc12stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc21stdFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs11norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs22norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs12norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLs21norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe11norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe22norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe12norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLe21norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg11norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg22norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg12norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLg21norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi11norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi22norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi12norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLi21norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc11norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc22norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc12norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEFLc21norFORE@forecast$sigma^2)+(datSEFLretOUTSApark$rev.SEFLretOUTSApark/SEFLc21norFORE@forecast$sigma^2))/181)
##Gas Water Forecast
(sum(ln(SEUTs11gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs22gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs12gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs21gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe11gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe22gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe12gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe21gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg11gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg22gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg12gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg21gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi11gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi22gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi12gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi21gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc11gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc22gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc12gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc21gedFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs11stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs22stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs12stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs21stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe11stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe22stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe12stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe21stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg11stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg22stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg12stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg21stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi11stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi22stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi12stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi21stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc11stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc22stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc12stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc21stdFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs11norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs22norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs12norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTs21norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe11norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe22norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe12norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTe21norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg11norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg22norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg12norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTg21norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi11norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi22norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi12norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTi21norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc11norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc22norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc12norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEUTc21norFORE@forecast$sigma^2)+(datSEUTretOUTSApark$rev.SEUTretOUTSApark/SEUTc21norFORE@forecast$sigma^2))/181)
##Industrial Transportation Forecast
(sum(ln(SETRs11gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRs22gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRs12gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRs21gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRe11gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRe22gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRe12gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRe21gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRg11gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRg22gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRg12gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRg21gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRi11gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRi22gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRi12gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRi21gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRc11gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRc22gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRc12gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRc21gedFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETRs11stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRs22stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRs12stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRs21stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRe11stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRe22stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRe12stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRe21stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRg11stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRg22stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRg12stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRg21stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRi11stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRi22stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRi12stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRi21stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRc11stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRc22stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRc12stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRc21stdFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETRs11norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs11norFORE@forecast$sigma^2))/181)
(sum(ln(SETRs22norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs22norFORE@forecast$sigma^2))/181)
(sum(ln(SETRs12norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs12norFORE@forecast$sigma^2))/181)
(sum(ln(SETRs21norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRs21norFORE@forecast$sigma^2))/181)
(sum(ln(SETRe11norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe11norFORE@forecast$sigma^2))/181)
(sum(ln(SETRe22norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe22norFORE@forecast$sigma^2))/181)
(sum(ln(SETRe12norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe12norFORE@forecast$sigma^2))/181)
(sum(ln(SETRe21norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRe21norFORE@forecast$sigma^2))/181)
(sum(ln(SETRg11norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg11norFORE@forecast$sigma^2))/181)
(sum(ln(SETRg22norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg22norFORE@forecast$sigma^2))/181)
(sum(ln(SETRg12norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg12norFORE@forecast$sigma^2))/181)
(sum(ln(SETRg21norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRg21norFORE@forecast$sigma^2))/181)
(sum(ln(SETRi11norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi11norFORE@forecast$sigma^2))/181)
(sum(ln(SETRi22norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi22norFORE@forecast$sigma^2))/181)
(sum(ln(SETRi12norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi12norFORE@forecast$sigma^2))/181)
(sum(ln(SETRi21norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRi21norFORE@forecast$sigma^2))/181)
(sum(ln(SETRc11norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc11norFORE@forecast$sigma^2))/181)
(sum(ln(SETRc22norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc22norFORE@forecast$sigma^2))/181)
(sum(ln(SETRc12norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc12norFORE@forecast$sigma^2))/181)
(sum(ln(SETRc21norFORE@forecast$sigma^2)+(datSETRretOUTSApark$rev.SETRretOUTSApark/SETRc21norFORE@forecast$sigma^2))/181)
##Mobile Telecommunication Forecast
(sum(ln(SEMOs11gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs22gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs12gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs21gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe11gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe22gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe12gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe21gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg11gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg22gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg12gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg21gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi11gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi22gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi12gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi21gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc11gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc22gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc12gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc21gedFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs11stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs22stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs12stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs21stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe11stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe22stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe12stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe21stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg11stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg22stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg12stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg21stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi11stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi22stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi12stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi21stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc11stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc22stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc12stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc21stdFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs11norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs22norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs12norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOs21norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe11norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe22norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe12norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOe21norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOe21norFORE@forecast$sigma^2))/181)
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(sum(ln(SEMOg11norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg22norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg12norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOg21norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi11norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi22norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi12norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOi21norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc11norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc22norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc12norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEMOc21norFORE@forecast$sigma^2)+(datSEMOretOUTSApark$rev.SEMOretOUTSApark/SEMOc21norFORE@forecast$sigma^2))/181)
##Oil and and Gas Forecast
(sum(ln(SEOGs11gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs22gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs12gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs21gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe11gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe22gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe12gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe21gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg11gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg22gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg12gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg21gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi11gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi22gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi12gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi21gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc11gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc22gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc12gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc21gedFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs11stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs22stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs12stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs21stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe11stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe22stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe12stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe21stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg11stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg22stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg12stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg21stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg21stdFORE@forecast$sigma^2))/181)
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(sum(ln(SEOGi22stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi12stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi21stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc11stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc22stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc12stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc21stdFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs11norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs22norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs12norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGs21norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGs21norFORE@forecast$sigma^2))/181)
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(sum(ln(SEOGe22norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe12norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGe21norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg11norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg11norFORE@forecast$sigma^2))/181)
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(sum(ln(SEOGg12norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGg21norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi11norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi22norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi12norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGi21norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc11norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc22norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc12norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOGc21norFORE@forecast$sigma^2)+(datSEOGretOUTSApark$rev.SEOGretOUTSApark/SEOGc21norFORE@forecast$sigma^2))/181)
##Oil Equipment Forecast
(sum(ln(SEOEs11gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs22gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs12gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs21gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe11gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe22gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe12gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe21gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg11gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg22gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg12gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg21gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi11gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi22gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi12gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi21gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc11gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc22gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc12gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc21gedFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs11stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs22stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs12stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs21stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe11stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe22stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe12stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe21stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg11stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg22stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg12stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg21stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi11stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi22stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi12stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi21stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc11stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc22stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc12stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc21stdFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs11norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs22norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs12norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEs21norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe11norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe22norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe12norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEe21norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEe21norFORE@forecast$sigma^2))/181)
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(sum(ln(SEOEg22norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg12norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEg21norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi11norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi22norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi12norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEi21norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc11norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc22norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc12norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEOEc21norFORE@forecast$sigma^2)+(datSEOEretOUTSApark$rev.SEOEretOUTSApark/SEOEc21norFORE@forecast$sigma^2))/181)
##Airlines Forecast
(sum(ln(SEAIs11gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs22gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs12gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs21gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe11gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe22gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe12gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe21gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg11gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg22gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg12gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg21gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi11gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi22gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi12gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi21gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc11gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc22gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc12gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc21gedFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs11stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs22stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs12stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs21stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe11stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe22stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe12stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe21stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg11stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg22stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg12stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg21stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi11stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi22stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi12stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi21stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc11stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc22stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc12stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc21stdFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs11norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs22norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs12norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIs21norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe11norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe22norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe12norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIe21norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg11norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg22norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg12norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIg21norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi11norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi22norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi12norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIi21norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc11norFORE@forecast$sigma^2)+(datSEAIretOUTSApark$rev.SEAIretOUTSApark/SEAIc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAIc22norFORE@forecast$
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##Real Estate Ivestment and Servcies Forecast
(sum(ln(SEISs11gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISs22gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISs12gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISs21gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISe11gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISe22gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISe12gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISe21gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISg11gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISg22gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISg12gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISg21gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISl11gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISl22gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl22gedFORE@forecast$sigma^2))/181)
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(sum(ln(SEISl21gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl21gedFORE@forecast$sigma^2))/181)
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(sum(ln(SEISc22gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISc12gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEISc21gedFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc21gedFORE@forecast$sigma^2))/181)
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(sum(ln(SEISs22stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs22stdFORE@forecast$sigma^2))/181)
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(sum(ln(SEISs21stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISe11stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISe22stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISe12stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISe21stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISg11stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISg22stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISg12stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISg21stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISl11stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISl22stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISl12stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISl21stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISc11stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISc22stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISc12stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISc21stdFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEISs11norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEISs22norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEISs12norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEISs21norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEISe11norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEISe22norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEISe12norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEISe21norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEISg11norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEISg22norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEISg12norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEISg21norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEISl11norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl11norFORE@forecast$sigma^2))/181)
(sum(ln(SEISl22norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl22norFORE@forecast$sigma^2))/181)
(sum(ln(SEISl12norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl12norFORE@forecast$sigma^2))/181)
(sum(ln(SEISl21norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISl21norFORE@forecast$sigma^2))/181)
(sum(ln(SEISc11norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEISc22norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEISc12norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEISc21norFORE@forecast$sigma^2)+(datSEISretOUTSApark$rev.SEISretOUTSApark/SEISc21norFORE@forecast$sigma^2))/181)
##REITS Forecast
(sum(ln(SERESs11gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESs22gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESs12gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESs21gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESe11gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESe22gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESe12gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESe21gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESg11gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESg22gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESg12gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESg21gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESl11gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl11gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESl22gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl22gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESl12gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl12gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESl21gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl21gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESc11gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESc22gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESc12gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESc21gedFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SERESs11stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESs22stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESs12stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESs21stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESe11stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESe22stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESe12stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESe21stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESg11stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESg22stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESg12stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESg21stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESl11stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl11stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESl22stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl22stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESl12stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl12stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESl21stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl21stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESc11stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESc22stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESc12stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESc21stdFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SERESs11norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs11norFORE@forecast$sigma^2))/181)
(sum(ln(SERESs22norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs22norFORE@forecast$sigma^2))/181)
(sum(ln(SERESs12norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs12norFORE@forecast$sigma^2))/181)
(sum(ln(SERESs21norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESs21norFORE@forecast$sigma^2))/181)
(sum(ln(SERESe11norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe11norFORE@forecast$sigma^2))/181)
(sum(ln(SERESe22norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe22norFORE@forecast$sigma^2))/181)
(sum(ln(SERESe12norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe12norFORE@forecast$sigma^2))/181)
(sum(ln(SERESe21norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESe21norFORE@forecast$sigma^2))/181)
(sum(ln(SERESg11norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg11norFORE@forecast$sigma^2))/181)
(sum(ln(SERESg22norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg22norFORE@forecast$sigma^2))/181)
(sum(ln(SERESg12norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg12norFORE@forecast$sigma^2))/181)
(sum(ln(SERESg21norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESg21norFORE@forecast$sigma^2))/181)
(sum(ln(SERESl11norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl11norFORE@forecast$sigma^2))/181)
(sum(ln(SERESl22norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl22norFORE@forecast$sigma^2))/181)
(sum(ln(SERESl12norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl12norFORE@forecast$sigma^2))/181)
(sum(ln(SERESl21norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESl21norFORE@forecast$sigma^2))/181)
(sum(ln(SERESc11norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc11norFORE@forecast$sigma^2))/181)
(sum(ln(SERESc22norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc22norFORE@forecast$sigma^2))/181)
(sum(ln(SERESc12norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc12norFORE@forecast$sigma^2))/181)
(sum(ln(SERESc21norFORE@forecast$sigma^2)+(datSERESretOUTSApark$rev.SERESretOUTSApark/SERESc21norFORE@forecast$sigma^2))/181)
##Alternative Energy Forecast
(sum(ln(SEAEs11gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs22gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs12gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs21gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe11gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe22gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe12gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe21gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg11gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg22gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg12gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg21gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl11gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl22gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl12gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl21gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc11gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc22gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc12gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc21gedFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs11stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs22stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs12stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs21stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe11stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe22stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe12stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe21stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg11stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg22stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg12stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg21stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl11stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl22stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl12stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl21stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc11stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc22stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc12stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc21stdFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs11norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs22norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs12norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEs21norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe11norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe22norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe12norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEe21norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg11norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg22norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg12norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEg21norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl11norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl22norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl12norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEl21norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEl21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc11norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc22norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc12norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAEc21norFORE@forecast$sigma^2)+(datSEAEretOUTSApark$rev.SEAEretOUTSApark/SEAEc21norFORE@forecast$sigma^2))/181)
##Software Forecast
(sum(ln(SESOs11gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOs22gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOs12gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOs21gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOe11gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOe22gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOe12gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOe21gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOg11gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOg22gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOg12gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg12gedFORE@forecast$sigma^2))/181)
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(sum(ln(SESOg21gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SESO111gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO111gedFORE@forecast$sigma^2))/181)
(sum(ln(SESO122gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO122gedFORE@forecast$sigma^2))/181)
(sum(ln(SESO112gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO112gedFORE@forecast$sigma^2))/181)
(sum(ln(SESO121gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO121gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOc11gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOc22gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOc12gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOc21gedFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SESOs11stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOs22stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOs12stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOs21stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOe11stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOe22stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOe12stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOe21stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOg11stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOg22stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOg12stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOg21stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SESO111stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO111stdFORE@forecast$sigma^2))/181)
(sum(ln(SESO122stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO122stdFORE@forecast$sigma^2))/181)
(sum(ln(SESO112stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO112stdFORE@forecast$sigma^2))/181)
(sum(ln(SESO121stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO121stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOc11stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOc22stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOc12stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOc21stdFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SESOs11norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs11norFORE@forecast$sigma^2))/181)
(sum(ln(SESOs22norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs22norFORE@forecast$sigma^2))/181)
(sum(ln(SESOs12norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs12norFORE@forecast$sigma^2))/181)
(sum(ln(SESOs21norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOs21norFORE@forecast$sigma^2))/181)
(sum(ln(SESOe11norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe11norFORE@forecast$sigma^2))/181)
(sum(ln(SESOe22norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe22norFORE@forecast$sigma^2))/181)
(sum(ln(SESOe12norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe12norFORE@forecast$sigma^2))/181)
(sum(ln(SESOe21norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOe21norFORE@forecast$sigma^2))/181)
(sum(ln(SESOg11norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg11norFORE@forecast$sigma^2))/181)
(sum(ln(SESOg22norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg22norFORE@forecast$sigma^2))/181)
(sum(ln(SESOg12norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg12norFORE@forecast$sigma^2))/181)
(sum(ln(SESOg21norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOg21norFORE@forecast$sigma^2))/181)
(sum(ln(SESO111norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO111norFORE@forecast$sigma^2))/181)
(sum(ln(SESO122norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO122norFORE@forecast$sigma^2))/181)
(sum(ln(SESO112norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO112norFORE@forecast$sigma^2))/181)
(sum(ln(SESO121norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESO121norFORE@forecast$sigma^2))/181)
(sum(ln(SESOc11norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc11norFORE@forecast$sigma^2))/181)
(sum(ln(SESOc22norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc22norFORE@forecast$sigma^2))/181)
(sum(ln(SESOc12norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc12norFORE@forecast$sigma^2))/181)
(sum(ln(SESOc21norFORE@forecast$sigma^2)+(datSESOretOUTSApark$rev.SESOretOUTSApark/SESOc21norFORE@forecast$sigma^2))/181)
##Technical Forecast
(sum(ln(SETEs11gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEs22gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEs12gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEs21gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEe11gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEe22gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEe12gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEe21gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEg11gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEg22gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEg12gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEg21gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETE111gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE111gedFORE@forecast$sigma^2))/181)
(sum(ln(SETE122gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE122gedFORE@forecast$sigma^2))/181)
(sum(ln(SETE112gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE112gedFORE@forecast$sigma^2))/181)
(sum(ln(SETE121gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE121gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEc11gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEc22gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEc12gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEc21gedFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SETEs11stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEs22stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEs12stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEs21stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEe11stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEe22stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEe12stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEe21stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEg11stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEg22stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEg12stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEg21stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETE111stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE111stdFORE@forecast$sigma^2))/181)
(sum(ln(SETE122stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE122stdFORE@forecast$sigma^2))/181)
(sum(ln(SETE112stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE112stdFORE@forecast$sigma^2))/181)
(sum(ln(SETE121stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE121stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEc11stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEc22stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEc12stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEc21stdFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SETEs11norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs11norFORE@forecast$sigma^2))/181)
(sum(ln(SETEs22norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs22norFORE@forecast$sigma^2))/181)
(sum(ln(SETEs12norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs12norFORE@forecast$sigma^2))/181)
(sum(ln(SETEs21norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEs21norFORE@forecast$sigma^2))/181)
(sum(ln(SETEe11norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe11norFORE@forecast$sigma^2))/181)
(sum(ln(SETEe22norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe22norFORE@forecast$sigma^2))/181)
(sum(ln(SETEe12norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe12norFORE@forecast$sigma^2))/181)
(sum(ln(SETEe21norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEe21norFORE@forecast$sigma^2))/181)
(sum(ln(SETEg11norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg11norFORE@forecast$sigma^2))/181)
(sum(ln(SETEg22norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg22norFORE@forecast$sigma^2))/181)
(sum(ln(SETEg12norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg12norFORE@forecast$sigma^2))/181)
(sum(ln(SETEg21norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEg21norFORE@forecast$sigma^2))/181)
(sum(ln(SETE111norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE111norFORE@forecast$sigma^2))/181)
(sum(ln(SETE122norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE122norFORE@forecast$sigma^2))/181)
(sum(ln(SETE112norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE112norFORE@forecast$sigma^2))/181)
(sum(ln(SETE121norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETE121norFORE@forecast$sigma^2))/181)
(sum(ln(SETEc11norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc11norFORE@forecast$sigma^2))/181)
(sum(ln(SETEc22norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc22norFORE@forecast$sigma^2))/181)
(sum(ln(SETEc12norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc12norFORE@forecast$sigma^2))/181)
(sum(ln(SETEc21norFORE@forecast$sigma^2)+(datSETEretOUTSApark$rev.SETEretOUTSApark/SETEc21norFORE@forecast$sigma^2))/181)
##Beverages Forecast
(sum(ln(SEBEs11gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs22gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs12gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs21gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe11gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe22gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe12gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe21gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg11gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg22gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg12gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg21gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBE111gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE111gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBE122gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE122gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBE112gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE112gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBE121gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE121gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc11gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc22gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc12gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc21gedFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs11stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs22stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs12stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs21stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe11stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe22stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe12stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe21stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg11stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg22stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg12stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg21stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBE111stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE111stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBE122stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE122stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBE112stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE112stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBE121stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE121stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc11stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc22stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc12stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc21stdFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs11norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs22norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs12norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEs21norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe11norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe22norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe12norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEe21norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg11norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg22norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg12norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEg21norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEBE111norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE111norFORE@forecast$sigma^2))/181)
(sum(ln(SEBE122norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE122norFORE@forecast$sigma^2))/181)
(sum(ln(SEBE112norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE112norFORE@forecast$sigma^2))/181)
(sum(ln(SEBE121norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBE121norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc11norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc22norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc12norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEBEc21norFORE@forecast$sigma^2)+(datSEBEretOUTSApark$rev.SEBEretOUTSApark/SEBEc21norFORE@forecast$sigma^2))/181)
##Total European Market Forecast
(sum(ln(SEETs11gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETs22gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETs12gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETs21gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETe11gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETe22gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETe12gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETe21gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETg11gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETg22gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETg12gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETg21gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEET111gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEET111gedFORE@forecast$sigma^2))/181)
(sum(ln(SEET122gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEET122gedFORE@forecast$sigma^2))/181)
(sum(ln(SEET112gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEET112gedFORE@forecast$sigma^2))/181)
(sum(ln(SEET121gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEET121gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETc11gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETc22gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETc12gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETc21gedFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEETs11stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETs22stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETs12stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs12stdFORE@forecast$sigma^2))/181)
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(sum(ln(SEETs21stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETe11stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETe22stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETe12stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETe21stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETg11stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETg22stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETg12stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETg21stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETi11stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETi22stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETi12stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETi21stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETc11stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETc22stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETc12stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETc21stdFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEETs11norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEETs22norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEETs12norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEETs21norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEETe11norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEETe22norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEETe12norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEETe21norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEETg11norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEETg22norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEETg12norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEETg21norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEETi11norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEETi22norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEETi12norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEETi21norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEETc11norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEETc22norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEETc12norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEETc21norFORE@forecast$sigma^2)+(datSEETretOUTSApark$rev.SEETretOUTSApark/SEETc21norFORE@forecast$sigma^2))/181)
##Chemcials Forecast
(sum(ln(SEChs11gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChs22gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChs12gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChs21gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChe11gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChe22gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChe12gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChe21gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChg11gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChg22gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChg12gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChg21gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SECHi11gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SECHi22gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SECHi12gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SECHi21gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChc11gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChc22gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChc12gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChc21gedFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEChs11stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChs22stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChs12stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChs21stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChe11stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChe22stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChe12stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChe21stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChg11stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChg22stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChg12stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChg21stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SECHi11stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SECHi22stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi22stdFORE@forecast$sigma^2))/181)
(sum(ln(SECHi12stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SECHi21stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChc11stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChc22stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChc12stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChc21stdFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEChs11norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEChs22norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEChs12norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEChs21norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEChe11norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEChe22norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe22norFORE@forecast$sigma^2))/181)
(sum(ln(SEChe12norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe12norFORE@forecast$sigma^2))/181)
(sum(ln(SEChe21norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEChg11norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEChg22norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEChg12norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEChg21norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChg21norFORE@forecast$sigma^2))/181)
(sum(ln(SECHi11norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi11norFORE@forecast$sigma^2))/181)
(sum(ln(SECHi22norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi22norFORE@forecast$sigma^2))/181)
(sum(ln(SECHi12norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi12norFORE@forecast$sigma^2))/181)
(sum(ln(SECHi21norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SECHi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEChc11norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEChc22norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEChc12norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEChc21norFORE@forecast$sigma^2)+(datSEChretOUTSApark$rev.SEChretOUTSApark/SEChc21norFORE@forecast$sigma^2))/181)
##Auto and Parts Forecast
(sum(ln(SEAPs11gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs22gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs12gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs21gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe11gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe22gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe12gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe21gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg11gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg22gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg12gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg21gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi11gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi22gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi12gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi21gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc11gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc11gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc22gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc22gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc12gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc12gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc21gedFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc21gedFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs11stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs22stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs12stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs21stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe11stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe22stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe12stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe21stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg11stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg22stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg12stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg21stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi11stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi12stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi21stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc11stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc11stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc22stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc22stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc12stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc12stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc21stdFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc21stdFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs11norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs22norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs12norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPs21norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPs21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe11norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPe22norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe22norFORE@forecast$sigma^2))/181)
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(sum(ln(SEAPe21norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPe21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg11norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg22norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg12norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPg21norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPg21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi11norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi22norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi12norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPi21norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPi21norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc11norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc11norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc22norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc22norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc12norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc12norFORE@forecast$sigma^2))/181)
(sum(ln(SEAPc21norFORE@forecast$sigma^2)+(datSEAPretOUTSApark$rev.SEAPretOUTSApark/SEAPc21norFORE@forecast$sigma^2))/181)
##Bitcoin Forecast
(sum(ln(BITCs11gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs11gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCs22gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs22gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCs12gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs12gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCs21gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs21gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCe11gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe11gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCe22gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe22gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCe12gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe12gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCe21gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe21gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCg11gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg11gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCg22gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg22gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCg12gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg12gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCg21gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg21gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCi11gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi11gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCi22gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi22gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCi12gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi12gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCi21gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi21gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCc11gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc11gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCc22gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc22gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCc12gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc12gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCc21gedFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc21gedFORE@forecast$sigma^2))/181)
(sum(ln(BITCs11stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs11stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCs22stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs22stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCs12stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs12stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCs21stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs21stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCe11stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe11stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCe22stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe22stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCe12stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe12stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCe21stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe21stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCg11stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg11stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCg22stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg22stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCg12stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg12stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCg21stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg21stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCi11stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi11stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCi22stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi22stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCi12stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi12stdFORE@forecast$sigma^2))/181)

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(sum(ln(BITCi2istdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi2istdFORE@forecast$sigma^2))/181)
(sum(ln(BITCc11stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc11stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCc22stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc22stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCc12stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc12stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCc21stdFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc21stdFORE@forecast$sigma^2))/181)
(sum(ln(BITCs11norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs11norFORE@forecast$sigma^2))/181)
(sum(ln(BITCs22norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs22norFORE@forecast$sigma^2))/181)
(sum(ln(BITCs12norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs12norFORE@forecast$sigma^2))/181)
(sum(ln(BITCs21norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCs21norFORE@forecast$sigma^2))/181)
(sum(ln(BITCe11norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe11norFORE@forecast$sigma^2))/181)
(sum(ln(BITCe22norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe22norFORE@forecast$sigma^2))/181)
(sum(ln(BITCe12norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe12norFORE@forecast$sigma^2))/181)
(sum(ln(BITCe21norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCe21norFORE@forecast$sigma^2))/181)
(sum(ln(BITCg11norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg11norFORE@forecast$sigma^2))/181)
(sum(ln(BITCg22norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg22norFORE@forecast$sigma^2))/181)
(sum(ln(BITCg12norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg12norFORE@forecast$sigma^2))/181)
(sum(ln(BITCg21norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCg21norFORE@forecast$sigma^2))/181)
(sum(ln(BITCi11norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi11norFORE@forecast$sigma^2))/181)
(sum(ln(BITCi22norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi22norFORE@forecast$sigma^2))/181)
(sum(ln(BITCi12norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi12norFORE@forecast$sigma^2))/181)
(sum(ln(BITCi21norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCi21norFORE@forecast$sigma^2))/181)
(sum(ln(BITCc11norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc11norFORE@forecast$sigma^2))/181)
(sum(ln(BITCc22norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc22norFORE@forecast$sigma^2))/181)
(sum(ln(BITCc12norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc12norFORE@forecast$sigma^2))/181)
(sum(ln(BITCc21norFORE@forecast$sigma^2)+(datBITCretOUTSApark$rev.BITCretOUTSApark/BITCc21norFORE@forecast$sigma^2))/181)
##Litecoin Forecast
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(sum(ln(LITCs22gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs22gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCs12gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs12gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCs21gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs21gedFORE@forecast$sigma^2))/181)
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(sum(ln(LITCe22gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe22gedFORE@forecast$sigma^2))/181)
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(sum(ln(LITCg21gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg21gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCi11gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi11gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCi22gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi22gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCi12gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi12gedFORE@forecast$sigma^2))/181)
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(sum(ln(LITCc22gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc22gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCc12gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc12gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCc21gedFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc21gedFORE@forecast$sigma^2))/181)
(sum(ln(LITCs11stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs11stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCs22stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs22stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCs12stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs12stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCs21stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs21stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCe11stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe11stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCe22stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe22stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCe12stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe12stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCe21stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe21stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCg11stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg11stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCg22stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg22stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCg12stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg12stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCg21stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg21stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCi11stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi11stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCi22stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi22stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCi12stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi12stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCi21stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi21stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCc11stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc11stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCc22stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc22stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCc12stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc12stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCc21stdFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc21stdFORE@forecast$sigma^2))/181)
(sum(ln(LITCs11norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs11norFORE@forecast$sigma^2))/181)
(sum(ln(LITCs22norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs22norFORE@forecast$sigma^2))/181)
(sum(ln(LITCs12norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs12norFORE@forecast$sigma^2))/181)
(sum(ln(LITCs21norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCs21norFORE@forecast$sigma^2))/181)
(sum(ln(LITCe11norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe11norFORE@forecast$sigma^2))/181)
(sum(ln(LITCe22norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe22norFORE@forecast$sigma^2))/181)
(sum(ln(LITCe12norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe12norFORE@forecast$sigma^2))/181)
(sum(ln(LITCe21norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCe21norFORE@forecast$sigma^2))/181)
(sum(ln(LITCg11norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg11norFORE@forecast$sigma^2))/181)
(sum(ln(LITCg22norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg22norFORE@forecast$sigma^2))/181)
(sum(ln(LITCg12norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg12norFORE@forecast$sigma^2))/181)
(sum(ln(LITCg21norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCg21norFORE@forecast$sigma^2))/181)
(sum(ln(LITCi11norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi11norFORE@forecast$sigma^2))/181)
(sum(ln(LITCi22norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi22norFORE@forecast$sigma^2))/181)
(sum(ln(LITCi12norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi12norFORE@forecast$sigma^2))/181)
(sum(ln(LITCi21norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCi21norFORE@forecast$sigma^2))/181)
(sum(ln(LITCc11norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc11norFORE@forecast$sigma^2))/181)
(sum(ln(LITCc22norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc22norFORE@forecast$sigma^2))/181)
(sum(ln(LITCc12norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc12norFORE@forecast$sigma^2))/181)
(sum(ln(LITCc21norFORE@forecast$sigma^2)+(datLITCretOUTSApark$rev.LITCretOUTSApark/LITCc21norFORE@forecast$sigma^2))/181)
##REX Forecast
(sum(ln(GREXs11gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs11gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXs22gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs22gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXs12gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs12gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXs21gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs21gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXe11gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe11gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXe22gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe22gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXe12gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe12gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXe21gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe21gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXg11gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg11gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXg22gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg22gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXg12gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg12gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXg21gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg21gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXi11gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi11gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXi22gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi22gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXi12gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi12gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXi21gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi21gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXc11gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc11gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXc22gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc22gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXc12gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc12gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXc21gedFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc21gedFORE@forecast$sigma^2))/181)
(sum(ln(GREXs11stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs11stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXs22stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs22stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXs12stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs12stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXs21stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs21stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXe11stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe11stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXe22stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe22stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXe12stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe12stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXe21stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe21stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXg11stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg11stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXg22stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg22stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXg12stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg12stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXg21stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg21stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXi11stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi11stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXi22stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi22stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXi12stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi12stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXi21stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi21stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXc11stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc11stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXc22stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc22stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXc12stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc12stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXc21stdFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc21stdFORE@forecast$sigma^2))/181)
(sum(ln(GREXs11norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs11norFORE@forecast$sigma^2))/181)
(sum(ln(GREXs22norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs22norFORE@forecast$sigma^2))/181)
(sum(ln(GREXs12norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs12norFORE@forecast$sigma^2))/181)
(sum(ln(GREXs21norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXs21norFORE@forecast$sigma^2))/181)
(sum(ln(GREXe11norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe11norFORE@forecast$sigma^2))/181)
(sum(ln(GREXe22norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe22norFORE@forecast$sigma^2))/181)
(sum(ln(GREXe12norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe12norFORE@forecast$sigma^2))/181)
(sum(ln(GREXe21norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXe21norFORE@forecast$sigma^2))/181)
(sum(ln(GREXg11norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg11norFORE@forecast$sigma^2))/181)
(sum(ln(GREXg22norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg22norFORE@forecast$sigma^2))/181)
(sum(ln(GREXg12norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg12norFORE@forecast$sigma^2))/181)
(sum(ln(GREXg21norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXg21norFORE@forecast$sigma^2))/181)
(sum(ln(GREXi11norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi11norFORE@forecast$sigma^2))/181)
(sum(ln(GREXi22norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi22norFORE@forecast$sigma^2))/181)
(sum(ln(GREXi12norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi12norFORE@forecast$sigma^2))/181)
(sum(ln(GREXi21norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXi21norFORE@forecast$sigma^2))/181)
(sum(ln(GREXc11norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc11norFORE@forecast$sigma^2))/181)
(sum(ln(GREXc22norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc22norFORE@forecast$sigma^2))/181)
(sum(ln(GREXc12norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc12norFORE@forecast$sigma^2))/181)
(sum(ln(GREXc21norFORE@forecast$sigma^2)+(datGREXretOUTSApark$rev.GREXretOUTSApark/GREXc21norFORE@forecast$sigma^2))/181)
##DAX Private Equity Forecast
(sum(ln(DAXPs11gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs11gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs22gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs22gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs12gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs12gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs21gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs21gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe11gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe11gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe22gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe22gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe12gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe12gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe21gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe21gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg11gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg11gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg22gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg22gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg12gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg12gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg21gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg21gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi11gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi11gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi22gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi22gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi12gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi12gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi21gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi21gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc11gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc11gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc22gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc22gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc12gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc12gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc21gedFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc21gedFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs11stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs11stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs22stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs22stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs12stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs12stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs21stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs21stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe11stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe11stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe22stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe22stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe12stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe12stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe21stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe21stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg11stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg11stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg22stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg22stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg12stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg12stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg21stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg21stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi11stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi11stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi22stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi22stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi12stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi12stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi21stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi21stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc11stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc11stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc22stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc22stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc12stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc12stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc21stdFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc21stdFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs11norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs11norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs22norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs22norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs12norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs12norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPs21norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPs21norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe11norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe11norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe22norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe22norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPe12norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe12norFORE@forecast$sigma^2))/181)
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(sum(ln(DAXPe21norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPe21norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg11norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg11norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg22norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg22norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg12norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg12norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPg21norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPg21norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi11norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi11norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi22norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi22norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi12norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi12norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPi21norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPi21norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc11norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc11norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc22norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc22norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc12norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc12norFORE@forecast$sigma^2))/181)
(sum(ln(DAXPc21norFORE@forecast$sigma^2)+(datDAXPretOUTSApark$rev.DAXPretOUTSApark/DAXPc21norFORE@forecast$sigma^2))/181)
```

DIGITAL APPENDIX M

M_[RESULTS]_Chapter 4.7._GARCH Models

1	2	3	4	5	6	7	8	9
Model Data				From High / Low Daily Prices - Parkinson Estimator				
Nr. within modelgroup	Nr	Modell	Robost P-Values of Parameters	MSE	MAE	R2LOG	QLIKE	RMSE
1	1	DJACs11gedFIT	NotS	3E-09	4.9818E-05	1.501797	-8.83111	5.6975E-05
2	2	DJACs22gedFIT	NotS	3E-09	5.08E-05	1.531724	-8.823829	5.8024E-05
3	3	DJACs12gedFIT	NotS	3E-09	5.0807E-05	1.531958	-8.823771	5.8033E-05
4	4	DJACs21gedFIT	NotS	3E-09	4.9896E-05	1.504202	-8.830529	5.7055E-05
5	5	DJACe11gedFIT	S	2E-09	3.9424E-05	1.168409	-8.914535	4.6823E-05
6	6	DJACe22gedFIT	NotS	2E-09	3.9159E-05	1.157935	-8.917878	4.6502E-05
7	7	DJACe12gedFIT	S	2E-09	3.9632E-05	1.174808	-8.913667	4.6918E-05
8	8	DJACe21gedFIT	NotS	2E-09	3.916E-05	1.157987	-8.917864	4.6503E-05
9	9	DJACg11gedFIT	NotS	4E-09	5.5259E-05	1.662919	-8.792427	6.2556E-05
10	10	DJACg22gedFIT	NotS	5E-09	6.0479E-05	1.808802	-8.757757	6.7937E-05
11	11	DJACg12gedFIT	NotS	4E-09	5.7434E-05	1.724649	-8.777698	6.487E-05
12	12	DJACg21gedFIT	NotS	4E-09	5.9348E-05	1.777059	-8.765291	6.6699E-05
13	13	DJACi11gedFIT	NotS	4E-09	5.3205E-05	1.604217	-8.80654	6.0517E-05
14	14	DJACi22gedFIT	NotS	4E-09	5.2633E-05	1.587512	-8.810459	5.9972E-05
15	15	DJACi12gedFIT	NotS	4E-09	5.2499E-05	1.583597	-8.811416	5.9828E-05
16	16	DJACi21gedFIT	NotS	4E-09	5.2816E-05	1.592935	-8.809242	6.0122E-05
17	17	DJACc11gedFIT	NotS	2E-09	3.8152E-05	1.124645	-8.925015	4.5788E-05
18	18	DJACc22gedFIT	NotS	2E-09	3.4926E-05	1.011995	-8.951047	4.3415E-05
19	19	DJACc12gedFIT	NotS	2E-09	3.6896E-05	1.083552	-8.934329	4.4899E-05
20	20	DJACc21gedFIT	NotS	2E-09	3.8765E-05	1.146585	-8.919693	4.6308E-05
21	21	DJACs11stdFIT	NotS	1E-08	9.4781E-05	2.653927	-8.562839	0.00010465
22	22	DJACs22stdFIT	NotS	1E-08	9.7201E-05	2.709775	-8.550798	0.00010769
23	23	DJACs12stdFIT	NotS	1E-08	9.7215E-05	2.710074	-8.550732	0.00010771
24	24	DJACs21stdFIT	NotS	1E-08	9.6109E-05	2.68393	-8.556129	0.0001061
25	25	DJACe11stdFIT	S	3E-07	0.00053488	8.814019	-7.37348	0.00054027
26	26	DJACe22stdFIT	NotS	3E-07	0.00055218	8.971659	-7.344772	0.00055512
27	27	DJACe12stdFIT	S	3E-07	0.00056979	9.151462	-7.32295	0.0005783
28	28	DJACe21stdFIT	NotS	3E-07	0.00055319	8.981642	-7.343221	0.00055616
29	29	DJACg11stdFIT	NotS	1E-08	0.00010735	2.933138	-8.501065	0.00011864
30	30	DJACg22stdFIT	NotS	2E-08	0.00011616	3.121277	-8.459939	0.00012827
31	31	DJACg12stdFIT	NotS	2E-08	0.00011172	3.027972	-8.480949	0.00012395
32	32	DJACg21stdFIT	NotS	2E-08	0.00011583	3.114338	-8.461223	0.00012773
33	33	DJACi11stdFIT	NotS	1E-08	0.00010076	2.789032	-8.533346	0.00011162
34	34	DJACi22stdFIT	NotS	1E-08	0.00010011	2.775129	-8.536647	0.00011114
35	35	DJACi12stdFIT	NotS	1E-08	0.0001001	2.775031	-8.536669	0.00011114
36	36	DJACi21stdFIT	NotS	1E-08	0.00010116	2.797813	-8.531398	0.00011206
37	37	DJACc11stdFIT	NotS	2E-09	3.6191E-05	1.059136	-8.939073	4.4454E-05
38	38	DJACc22stdFIT	NotS	2E-09	3.7384E-05	1.100395	-8.930266	4.5278E-05
39	39	DJACc12stdFIT	NotS	2E-09	3.7811E-05	1.114464	-8.927422	4.5557E-05
40	40	DJACc21stdFIT	NotS	2E-09	3.8174E-05	1.126322	-8.924486	4.5837E-05
41	41	DJACs11norFIT	NotS	2E-09	4.2235E-05	1.263596	-8.888592	4.9678E-05
42	42	DJACs22norFIT	NotS	2E-09	4.2373E-05	1.267986	-8.887469	4.9813E-05
43	43	DJACs12norFIT	NotS	2E-09	4.2122E-05	1.259808	-8.889455	4.9582E-05
44	44	DJACs21norFIT	NotS	2E-09	4.2328E-05	1.266612	-8.887872	4.976E-05
45	45	DJACe11norFIT	S	4E-09	5.7811E-05	1.729836	-8.775518	6.4654E-05
46	46	DJACe22norFIT	NotS	4E-09	5.5576E-05	1.665959	-8.791646	6.2181E-05
47	47	DJACe12norFIT	S	4E-09	5.8896E-05	1.758545	-8.768764	6.5599E-05
48	48	DJACe21norFIT	S	4E-09	5.5591E-05	1.666558	-8.791482	6.2208E-05
49	49	DJACg11norFIT	NotS	2E-09	4.1067E-05	1.225327	-8.89762	4.8656E-05
50	50	DJACg22norFIT	NotS	3E-09	4.3787E-05	1.313417	-8.876812	5.1037E-05
51	51	DJACg12norFIT	NotS	2E-09	4.1525E-05	1.240111	-8.894086	4.905E-05
52	52	DJACg21norFIT	NotS	3E-09	4.304E-05	1.289199	-8.882647	5.035E-05
53	53	DJACi11norFIT	NotS	3E-09	4.9234E-05	1.484132	-8.835459	5.6405E-05
54	54	DJACi22norFIT	NotS	3E-09	4.849E-05	1.4609	-8.840957	5.5675E-05
55	55	DJACi12norFIT	NotS	3E-09	4.8579E-05	1.463687	-8.840286	5.5766E-05
56	56	DJACi21norFIT	NotS	3E-09	4.8698E-05	1.467486	-8.839441	5.5868E-05
57	57	DJACc11norFIT	NotS	2E-09	3.6594E-05	1.072315	-8.937176	4.4639E-05
58	58	DJACc22norFIT	NotS	2E-09	3.5981E-05	1.050722	-8.941951	4.4203E-05
59	59	DJACc12norFIT	NotS	2E-09	3.5609E-05	1.037544	-8.944904	4.394E-05
60	60	DJACc21norFIT	NotS	2E-09	3.6868E-05	1.082308	-8.934426	4.4886E-05
1	61	DJALs11gedFIT	S	4E-08	9.5848E-05	Inf	-7.539438	0.00019815
2	62	DJALs22gedFIT	NotS	4E-08	0.0001001	Inf	-7.746685	0.00018786
3	63	DJALs12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
4	64	DJALs21gedFIT	NotS	4E-08	9.5629E-05	Inf	-7.549461	0.00019781
5	65	DJALe11gedFIT	S	4E-08	9.6368E-05	Inf	-7.485853	0.00019978
6	66	DJALe22gedFIT	NotS	4E-08	0.00010276	Inf	-7.058791	0.00020673
7	67	DJALe12gedFIT	S	4E-08	0.00010212	Inf	-7.090281	0.00020651
8	68	DJALe21gedFIT	NotS	4E-08	9.7341E-05	Inf	-7.465424	0.0002005
9	69	DJALg11gedFIT	NotS	4E-08	9.6103E-05	Inf	-7.518884	0.00019883
10	70	DJALg22gedFIT	NotS	4E-08	9.7201E-05	Inf	-7.724014	0.00018963
11	71	DJALg12gedFIT	NotS	4E-08	9.777E-05	Inf	-7.72927	0.0001892
12	72	DJALg21gedFIT	NotS	4E-08	9.6022E-05	Inf	-7.566612	0.00019729
13	73	DJALi11gedFIT	NotS	4E-08	0.00013735	Inf	-7.704038	0.00019935
14	74	DJALi22gedFIT	NotS	7E-08	0.00022623	Inf	-7.538278	0.00026785
15	75	DJALi12gedFIT	NotS	7E-08	0.0002213	Inf	-7.547181	0.00026319
16	76	DJALi21gedFIT	NotS	4E-08	0.0001372	Inf	-7.704161	0.0001993
17	77	DJALc11gedFIT	S	4E-08	9.5487E-05	Inf	-7.722353	0.00018977
18	78	DJALc22gedFIT	NotS	4E-08	9.583E-05	Inf	-7.539957	0.00019806
19	79	DJALc12gedFIT	NotS	4E-08	9.5281E-05	Inf	-7.710316	0.00019057
20	80	DJALc21gedFIT	NotS	4E-08	9.5121E-05	Inf	-7.681828	0.00019221
21	81	DJALs11stdFIT	NotS	4E-05	0.0053136	Inf	-5.385916	0.0061367
22	82	DJALs22stdFIT	NotS	4E-05	0.00530717	Inf	-5.387025	0.00613059
23	83	DJALs12stdFIT	NotS	3E-05	0.00492933	Inf	-5.447719	0.00567955
24	84	DJALs21stdFIT	NotS	7E-08	0.0002413	Inf	-7.521691	0.00026677
25	85	DJALe11stdFIT	S	3E-08	9.6107E-05	Inf	-7.774301	0.00018593
26	86	DJALe22stdFIT	NotS	3E-08	0.00010241	Inf	-7.78389	0.00018505
27	87	DJALe12stdFIT	NotS	4E-08	9.7296E-05	Inf	-7.45526	0.00019835
28	88	DJALe21stdFIT	NotS	3E-08	0.00011492	Inf	-7.78711	0.00018452
29	89	DJALg11stdFIT	S	3E-08	0.00011918	Inf	-7.771503	0.00018692
30	90	DJALg22stdFIT	NotS	3E-07	0.00049245	Inf	-7.124598	0.00051738
31	91	DJALg12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
32	92	DJALg21stdFIT	NotS	3E-06	0.00144676	Inf	-6.429318	0.00164851
33	93	DJALi11stdFIT	NotS	2E-06	0.00113762	Inf	-6.611739	0.00130914
34	94	DJALi22stdFIT	NotS	0.0001	0.00924149	Inf	-4.907505	0.01075738
35	95	DJALi12stdFIT	NotS	0.0002	0.01207681	Inf	-4.660961	0.01404494
36	96	DJALi21stdFIT	NotS	2E-06	0.00115292	Inf	-6.602297	0.00132671
37	97	DJALc11stdFIT	NotS	3E-07	0.00055674	Inf	-7.049493	0.00057504
38	98	DJALc22stdFIT	NotS	4E-08	9.5037E-05	Inf	-7.698467	0.00019137
39	99	DJALc12stdFIT	NotS	5E-08	0.00017388	Inf	-7.666111	0.00021304
40	100	DJALc21stdFIT	NotS	4E-08	0.00013693	Inf	-7.744393	0.00019195
41	101	DJALs11norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
42	102	DJALs22norFIT	NotS	4E-08	9.7911E-05	Inf	-7.423776	0.00020159
43	103	DJALs12norFIT	NotS	4E-08	9.7906E-05	Inf	-7.424129	0.00020158
44	104	DJALs21norFIT	NotS	4E-08	9.7832E-05	Inf	-7.424921	0.00020156
45	105	DJALe11norFIT	S	4E-08	9.6615E-05	Inf	-7.5009	0.00019944
46	106	DJALe22norFIT	NotS	4E-08	9.7672E-05	Inf	-7.449441	0.00020097
47	107	DJALe12norFIT	S	4E-08	9.6528E-05	Inf	-7.509409	0.00019919
48	108	DJALe21norFIT	NotS	4E-08	9.761E-05	Inf	-7.453413	0.00020086
49	109	DJALg11norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
50	110	DJALg22norFIT	NotS	4E-08	9.8757E-05	Inf	-7.384302	0.00020261
51	111	DJALg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	112	DJALg21norFIT	NotS	4E-08	9.8866E-05	Inf	-7.380815	0.00020271
53	113	DJALi11norFIT	NotS	4E-08	9.8961E-05	Inf	-7.748908	0.00018818
54	114	DJALi22norFIT	NotS	4E-08	9.8787E-05	Inf	-7.746202	0.00018838
55	115	DJALi12norFIT	NotS	4E-08	9.8755E-05	Inf	-7.746144	0.00018838
56	116	DJALi21norFIT	NotS	4E-08	9.8635E-05	Inf	-7.748	0.00018824
57	117	DJALc11norFIT	NotS	4E-08	9.4581E-05	Inf	-7.622499	0.00019504
58	118	DJALc22norFIT	NotS	4E-08	9.5592E-05	Inf	-7.575765	0.00019691
59	119	DJALc12norFIT	NotS	4E-08	9.4989E-05	Inf	-7.608227	0.00019565
60	120	DJALc21norFIT	NotS	4E-08	9.4581E-05	Inf	-7.641997	0.00019421
1	121	DJCCs11gedFIT	NotS	5E-08	0.00016114	0.3890116	-6.879361	0.00023027

2	122	DJCCs22gedFIT	NotS	5E-08	0.00015919	0.3808404	-6.891884	0.00022685
3	123	DJCCs12gedFIT	NotS	5E-08	0.00015919	0.3808193	-6.89192	0.00022684
4	124	DJCCs21gedFIT	NotS	5E-08	0.00016112	0.3889322	-6.879467	0.00023024
5	125	DJCCe11gedFIT	S	6E-08	0.00016842	0.4364145	-6.823642	0.0002421
6	126	DJCCe22gedFIT	NotS	5E-08	0.00016124	0.3903104	-6.870715	0.0002321
7	127	DJCCe12gedFIT	S	6E-08	0.00016727	0.4273183	-6.832869	0.00024035
8	128	DJCCe21gedFIT	NotS	5E-08	0.00016132	0.3907345	-6.870275	0.00023221
9	129	DJCCg11gedFIT	NotS	5E-08	0.00016028	0.3847459	-6.882911	0.00022931
10	130	DJCCg22gedFIT	NotS	5E-08	0.00016112	0.3890053	-6.878533	0.00023045
11	131	DJCCg12gedFIT	NotS	5E-08	0.00015856	0.3774527	-6.894645	0.00022605
12	132	DJCCg21gedFIT	NotS	5E-08	0.00016114	0.3890717	-6.878434	0.00023048
13	133	DJCCi11gedFIT	NotS	5E-08	0.00015753	0.3754953	-6.904691	0.00022303
14	134	DJCCi22gedFIT	NotS	5E-08	0.00015761	0.3758148	-6.9041	0.00022321
15	135	DJCCi12gedFIT	NotS	5E-08	0.00015761	0.3758341	-6.904298	0.00022315
16	136	DJCCi21gedFIT	NotS	5E-08	0.00015756	0.3755631	-6.904092	0.00022321
17	137	DJCCc11gedFIT	NotS	5E-08	0.00016003	0.386309	-6.88195	0.00022941
18	138	DJCCc22gedFIT	NotS	5E-08	0.00016073	0.3898225	-6.87738	0.00023061
19	139	DJCCc12gedFIT	NotS	5E-08	0.00016036	0.3877901	-6.880139	0.0002299
20	140	DJCCc21gedFIT	NotS	5E-08	0.00016039	0.3883597	-6.879057	0.00023017
21	141	DJCCs11stdFIT	S	5E-08	0.00015777	0.3768458	-6.905805	0.00022267
22	142	DJCCs22stdFIT	NotS	5E-08	0.0001579	0.3779449	-6.912326	0.00022059
23	143	DJCCs12stdFIT	NotS	5E-08	0.0001579	0.3779468	-6.912331	0.00022059
24	144	DJCCs21stdFIT	NotS	5E-08	0.00015777	0.3768446	-6.905802	0.00022267
25	145	DJCCe11stdFIT	S	4E-08	0.00015892	0.3955628	-6.950869	0.000205
26	146	DJCCe22stdFIT	NotS	7E-06	0.00250104	5.48263	-5.746653	0.00258822
27	147	DJCCe12stdFIT	NotS	4E-08	0.00016299	0.4113335	-6.947269	0.00020742
28	148	DJCCe21stdFIT	NotS	7E-08	0.0002352	0.6674947	-6.882424	0.0002677
29	149	DJCCg11stdFIT	NotS	5E-08	0.00015682	0.3720635	-6.908354	0.00022188
30	150	DJCCg22stdFIT	NotS	5E-08	0.00015805	0.3767516	-6.899392	0.00022461
31	151	DJCCg12stdFIT	NotS	5E-08	0.00015705	0.3735346	-6.914366	0.00021991
32	152	DJCCg21stdFIT	NotS	5E-08	0.00015805	0.3767528	-6.899389	0.00022461
33	153	DJCCi11stdFIT	NotS	5E-08	0.00015838	0.3828305	-6.919151	0.00021842
34	154	DJCCi22stdFIT	NotS	5E-08	0.00015848	0.3830859	-6.918297	0.00021871
35	155	DJCCi12stdFIT	NotS	5E-08	0.00015854	0.3834579	-6.918367	0.00021869
36	156	DJCCi21stdFIT	NotS	5E-08	0.00015828	0.382104	-6.918608	0.00021859
37	157	DJCCc11stdFIT	NotS	5E-08	0.0001605	0.3891534	-6.878308	0.00023036
38	158	DJCCc22stdFIT	NotS	5E-08	0.00016099	0.391396	-6.87549	0.00023109
39	159	DJCCc12stdFIT	NotS	5E-08	0.00016083	0.3905782	-6.876577	0.00023081
40	160	DJCCc21stdFIT	NotS	5E-08	0.00016052	0.3890782	-6.878455	0.00023032
41	161	DJCCs11norFIT	NotS	5E-08	0.00016135	0.3901128	-6.878797	0.00023042
42	162	DJCCs22norFIT	NotS	5E-08	0.00016016	0.3847414	-6.886361	0.00022839
43	163	DJCCs12norFIT	NotS	5E-08	0.00016052	0.3862662	-6.884083	0.00022901
44	164	DJCCs21norFIT	NotS	5E-08	0.0001614	0.3903429	-6.878489	0.0002305
45	165	DJCCe11norFIT	NotS	5E-08	0.00016174	0.3971563	-6.88812	0.00022771
46	166	DJCCe22norFIT	NotS	5E-08	0.00016131	0.3950912	-6.897922	0.00022496
47	167	DJCCe12norFIT	NotS	5E-08	0.00016194	0.3985369	-6.888022	0.00022769
48	168	DJCCe21norFIT	NotS	5E-08	0.00016123	0.3946441	-6.898038	0.00022493
49	169	DJCCg11norFIT	NotS	6E-08	0.00016494	0.4093713	-6.855097	0.00023619
50	170	DJCCg22norFIT	NotS	5E-08	0.00016154	0.3912717	-6.877175	0.00023081
51	171	DJCCg12norFIT	NotS	6E-08	0.00016411	0.4048682	-6.860044	0.00023504
52	172	DJCCg21norFIT	NotS	5E-08	0.00016215	0.394039	-6.873427	0.00023179
53	173	DJCCi11norFIT	NotS	5E-08	0.00015755	0.3756723	-6.905537	0.00022276
54	174	DJCCi22norFIT	NotS	5E-08	0.00015757	0.3757213	-6.905263	0.00022285
55	175	DJCCi12norFIT	NotS	5E-08	0.00015755	0.3756434	-6.905519	0.00022277
56	176	DJCCi21norFIT	NotS	5E-08	0.00015758	0.3757965	-6.904932	0.00022295
57	177	DJCCc11norFIT	NotS	6E-08	0.00016494	0.4095293	-6.85703	0.00023577
58	178	DJCCc22norFIT	NotS	6E-08	0.00016542	0.4123098	-6.854368	0.00023639
59	179	DJCCc12norFIT	NotS	6E-08	0.00016506	0.4102305	-6.856661	0.00023585
60	180	DJCCc21norFIT	NotS	6E-08	0.00016605	0.4162583	-6.849526	0.00023747
1	181	DJCFs11gedFIT	NotS	1E-08	0.00010234	Inf	-9.1872	0.00010235
2	182	DJCFs22gedFIT	NotS	1E-08	0.00011887	Inf	-9.038481	0.00011899
3	183	DJCFs12gedFIT	NotS	1E-08	0.00011946	Inf	-9.033593	0.00011959
4	184	DJCFs21gedFIT	NotS	1E-08	0.00010295	Inf	-9.181258	0.00010296
5	185	DJCFe11gedFIT	NotS	3E-09	5.7707E-05	Inf	-9.761029	5.7758E-05
6	186	DJCFe22gedFIT	S	7E-09	8.404E-05	Inf	-9.384326	8.4049E-05
7	187	DJCFe12gedFIT	S	1E-08	0.00012119	Inf	-9.021135	0.00012154
8	188	DJCFe21gedFIT	NotS	7E-09	8.3529E-05	Inf	-9.390397	8.3537E-05
9	189	DJCFg11gedFIT	NotS	1E-08	0.00011419	Inf	-9.07769	0.00011419
10	190	DJCFg22gedFIT	NotS	2E-08	0.00013615	Inf	-8.901834	0.00013615
11	191	DJCFg12gedFIT	NotS	2E-08	0.00012608	Inf	-8.979991	0.00012625
12	192	DJCFg21gedFIT	S	2E-08	0.00012729	Inf	-8.9691	0.00012729
13	193	DJCFi11gedFIT	NotS	1E-08	9.9914E-05	Inf	-9.211204	9.9914E-05
14	194	DJCFi22gedFIT	NotS	1E-08	0.00010722	Inf	-9.141053	0.00010726
15	195	DJCFi12gedFIT	NotS	1E-08	0.00010709	Inf	-9.142239	0.00010713
16	196	DJCFi21gedFIT	NotS	1E-08	9.9891E-05	Inf	-9.21143	9.9891E-05
17	197	DJCFc11gedFIT	NotS	1E-08	0.00011228	Inf	-9.094934	0.00011232
18	198	DJCFc22gedFIT	NotS	1E-08	0.00011132	Inf	-9.103498	0.00011135
19	199	DJCFc12gedFIT	NotS	1E-08	0.00011689	Inf	-9.054943	0.00011695
20	200	DJCFc21gedFIT	NotS	1E-08	0.00011342	Inf	-9.084736	0.00011346
21	201	DJCFs11stdFIT	NotS	9E-08	0.00028921	Inf	-8.169804	0.00029506
22	202	DJCFs22stdFIT	NotS	1E-07	0.00030776	Inf	-8.112544	0.00031536
23	203	DJCFs12stdFIT	NotS	1E-07	0.00030794	Inf	-8.112003	0.00031554
24	204	DJCFs21stdFIT	NotS	9E-08	0.00028917	Inf	-8.169918	0.00029503
25	205	DJCFe11stdFIT	NotS	1E-07	0.00032378	Inf	-8.04798	0.00032767
26	206	DJCFe22stdFIT	NotS	1E-06	0.00121043	Inf	-6.716968	0.00121064
27	207	DJCFe12stdFIT	NotS	2E-07	0.00040531	Inf	-7.826279	0.00041121
28	208	DJCFe21stdFIT	S	8E-09	8.7213E-05	Inf	-9.347584	8.7254E-05
29	209	DJCFg11stdFIT	NotS	3E-08	0.00017754	Inf	-8.636323	0.00017755
30	210	DJCFg22stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
31	211	DJCFg12stdFIT	NotS	2E-08	0.00015645	Inf	-8.762852	0.00015647
32	212	DJCFg21stdFIT	NotS	3E-08	0.00018245	Inf	-8.609083	0.00018246
33	213	DJCFi11stdFIT	NotS	7E-08	0.00026756	Inf	-8.246205	0.00027268
34	214	DJCFi22stdFIT	NotS	1E-07	0.00030098	Inf	-8.134961	0.00030848
35	215	DJCFi12stdFIT	NotS	9E-08	0.00029895	Inf	-8.141477	0.00030633
36	216	DJCFi21stdFIT	NotS	7E-08	0.00026134	Inf	-8.268888	0.00026614
37	217	DJCFc11stdFIT	NotS	9E-08	0.00029571	Inf	-8.1282	0.00029614
38	218	DJCFc22stdFIT	NotS	4E-08	0.00020448	Inf	-8.495957	0.00020462
39	219	DJCFc12stdFIT	NotS	9E-08	0.00029369	Inf	-8.134924	0.00029409
40	220	DJCFc21stdFIT	NotS	1E-07	0.00030839	Inf	-8.086027	0.00030878
41	221	DJCFs11norFIT	NotS	2E-08	0.00013884	Inf	-8.884819	0.00013921
42	222	DJCFs22norFIT	NotS	2E-08	0.00014656	Inf	-8.831767	0.00014708
43	223	DJCFs12norFIT	NotS	2E-08	0.00014684	Inf	-8.829909	0.00014736
44	224	DJCFs21norFIT	NotS	2E-08	0.00013879	Inf	-8.885201	0.00013916
45	225	DJCFe11norFIT	S	3E-08	0.0001735	Inf	-8.697884	0.00017977
46	226	DJCFe22norFIT	S	5E-09	6.8908E-05	Inf	-9.583515	6.8963E-05
47	227	DJCFe12norFIT	S	6E-08	0.00022331	Inf	-8.464909	0.0002351
48	228	DJCFe21norFIT	S	6E-09	7.6627E-05	Inf	-9.477825	7.6725E-05
49	229	DJCFg11norFIT	NotS	2E-08	0.00014196	Inf	-8.863422	0.00014244
50	230	DJCFg22norFIT	S	2E-08	0.00012568	Inf	-8.982284	0.00012574
51	231	DJCFg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	232	DJCFg21norFIT	S	9E-09	9.7124E-05	Inf	-9.239551	9.7126E-05
53	233	DJCFi11norFIT	NotS	2E-08	0.00013314	Inf	-8.926923	0.00013352
54	234	DJCFi22norFIT	NotS	2E-08	0.0001425	Inf	-8.860759	0.00014313
55	235	DJCFi12norFIT	NotS	2E-08	0.00014276	Inf	-8.858981	0.0001434
56	236	DJCFi21norFIT	NotS	2E-08	0.00013197	Inf	-8.935641	0.00013232
57	237	DJCFc11norFIT	NotS	1E-08	0.00010618	Inf	-9.150662	0.0001062
58	238	DJCFc22norFIT	NotS	1E-08	0.00010604	Inf	-9.151951	0.00010607
59	239	DJCFc12norFIT	NotS	1E-08	0.0001052	Inf	-9.159889	0.00010523
60	240	DJCFc21norFIT	NotS	1E-08	0.00010455	Inf	-9.166069	0.00010457
1	241	DJCPs11gedFIT	NotS	1E-08	8.5828E-05	Inf	-7.960417	0.00011654
2	242	DJCPs22gedFIT	NotS	1E-08	8.9484E-05	Inf	-7.951008	0.00011898
3	243	DJCPs12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
4	244	DJCPs21gedFIT	NotS	1E-08	8.5246E-05	Inf	-7.962132	0.00011612
5	245	DJCPe11gedFIT	NotS	2E-08	7.5727E-05	Inf	-7.571526	0.00012655
6	246	DJCPe22gedFIT	NotS	1E-08	6.76E-05	Inf	-8.010145	0.00010694
7	247	DJCPe12gedFIT	NotS	1E-08	6.5337E-05	Inf	-8.023523	0.00010513

8	248	DJCPe21gedFIT	NotS	1E-08	6.5709E-05	Inf	-8.01087	0.00010688
9	249	DJCPg11gedFIT	NotS	1E-08	8.719E-05	Inf	-7.959179	0.00011702
10	250	DJCPg22gedFIT	NotS	1E-08	9.2897E-05	Inf	-7.93898	0.00012215
11	251	DJCPg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	252	DJCPg21gedFIT	NotS	1E-08	9.2941E-05	Inf	-7.938867	0.00012217
13	253	DJCPi11gedFIT	NotS	2E-08	9.822E-05	Inf	-7.923984	0.00012652
14	254	DJCPi22gedFIT	NotS	2E-08	0.0001044	Inf	-7.906796	0.00013191
15	255	DJCPi12gedFIT	NotS	2E-08	0.00010435	Inf	-7.906918	0.00013187
16	256	DJCPi21gedFIT	NotS	2E-08	9.7405E-05	Inf	-7.92622	0.00012585
17	257	DJCPc11gedFIT	NotS	1E-08	6.588E-05	Inf	-7.958741	0.00011162
18	258	DJCPc22gedFIT	NotS	1E-08	6.6086E-05	Inf	-7.94328	0.0001127
19	259	DJCPc12gedFIT	NotS	1E-08	6.5941E-05	Inf	-7.953226	0.00011202
20	260	DJCPc21gedFIT	NotS	1E-08	6.8347E-05	Inf	-7.999454	0.00010812
21	261	DJCPs11stdFIT	NotS	8E-08	0.00025872	Inf	-7.568796	0.00029013
22	262	DJCPs22stdFIT	NotS	7E-08	0.00023347	Inf	-7.616211	0.00026242
23	263	DJCPs12stdFIT	NotS	1E-07	0.00029992	Inf	-7.497611	0.00033674
24	264	DJCPs21stdFIT	NotS	8E-08	0.00025871	Inf	-7.56881	0.00029013
25	265	DJCPe11stdFIT	NotS	1E-07	0.00035156	Inf	-7.406832	0.00036114
26	266	DJCPe22stdFIT	S	7E-08	0.00024383	Inf	-7.608962	0.00025621
27	267	DJCPe12stdFIT	NotS	1E-07	0.00036225	Inf	-7.389781	0.00037163
28	268	DJCPe21stdFIT	S	4E-08	0.00018773	Inf	-7.722998	0.00020105
29	269	DJCPg11stdFIT	NotS	9E-08	0.00026744	Inf	-7.552953	0.00029899
30	270	DJCPg22stdFIT	NotS	8E-08	0.00025553	Inf	-7.574432	0.00028474
31	271	DJCPg12stdFIT	NotS	1E-07	0.00030694	Inf	-7.485696	0.00034378
32	272	DJCPg21stdFIT	NotS	8E-08	0.00025227	Inf	-7.580458	0.00028122
33	273	DJCPi11stdFIT	NotS	9E-08	0.0002758	Inf	-7.535523	0.00029353
34	274	DJCPi22stdFIT	NotS	1E-07	0.00030898	Inf	-7.48313	0.00034776
35	275	DJCPi12stdFIT	NotS	1E-07	0.00030901	Inf	-7.483092	0.00034778
36	276	DJCPi21stdFIT	NotS	9E-08	0.00027259	Inf	-7.544511	0.00030664
37	277	DJCPc11stdFIT	NotS	4E-06	0.00196202	Inf	-6.134539	0.00200807
38	278	DJCPc22stdFIT	NotS	8E-07	0.00085665	Inf	-6.806421	0.00087296
39	279	DJCPc12stdFIT	NotS	1E-07	0.00033495	Inf	-7.431073	0.00035014
40	280	DJCPc21stdFIT	NotS	5E-07	0.00070895	Inf	-6.946236	0.00072408
41	281	DJCPs11norFIT	NotS	1E-08	6.5297E-05	Inf	-7.988188	0.00010922
42	282	DJCPs22norFIT	NotS	1E-08	6.5107E-05	Inf	-7.991113	0.00010894
43	283	DJCPs12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
44	284	DJCPs21norFIT	NotS	1E-08	6.5446E-05	Inf	-7.987325	0.0001093
45	285	DJCPe11norFIT	NotS	1E-08	7.2949E-05	Inf	-7.989346	0.00010971
46	286	DJCPe22norFIT	NotS	1E-08	7.2629E-05	Inf	-7.975905	0.00011107
47	287	DJCPe12norFIT	NotS	1E-08	7.2767E-05	Inf	-7.990607	0.00010951
48	288	DJCPe21norFIT	NotS	1E-08	7.2493E-05	Inf	-7.976643	0.00011098
49	289	DJCPg11norFIT	NotS	1E-08	6.5313E-05	Inf	-7.994263	0.00010864
50	290	DJCPg22norFIT	NotS	1E-08	6.616E-05	Inf	-7.979588	0.00010997
51	291	DJCPg12norFIT	NotS	1E-08	6.5888E-05	Inf	-7.994256	0.00010853
52	292	DJCPg21norFIT	NotS	1E-08	6.619E-05	Inf	-7.979027	0.00011001
53	293	DJCPi11norFIT	NotS	1E-08	6.9983E-05	Inf	-7.992089	0.00010904
54	294	DJCPi22norFIT	NotS	1E-08	6.9369E-05	Inf	-7.990885	0.00010906
55	295	DJCPi12norFIT	NotS	1E-08	6.9369E-05	Inf	-7.990885	0.00010906
56	296	DJCPi21norFIT	NotS	1E-08	6.9974E-05	Inf	-7.992077	0.00010904
57	297	DJCPc11norFIT	NotS	1E-08	6.6431E-05	Inf	-7.928826	0.00011365
58	298	DJCPc22norFIT	NotS	1E-08	6.6331E-05	Inf	-7.934181	0.00011331
59	299	DJCPc12norFIT	NotS	1E-08	6.6388E-05	Inf	-7.929933	0.00011358
60	300	DJCPc21norFIT	NotS	1E-08	6.6441E-05	Inf	-7.927848	0.00011371
1	301	DJCTs11gedFIT	NotS	2E-08	7.8678E-05	0.565136	-7.780826	0.00012373
2	302	DJCTs22gedFIT	NotS	1E-08	7.8357E-05	0.5563273	-7.808946	0.00012141
3	303	DJCTs12gedFIT	NotS	1E-08	7.8448E-05	0.5562783	-7.812462	0.0001211
4	304	DJCTs21gedFIT	NotS	2E-08	7.8868E-05	0.5678741	-7.775463	0.00012414
5	305	DJCTe11gedFIT	NotS	2E-08	8.1421E-05	0.6363994	-7.669803	0.00013055
6	306	DJCTe22gedFIT	NotS	2E-08	8.3864E-05	0.7078374	-7.577441	0.00013456
7	307	DJCTe12gedFIT	NotS	2E-08	8.2825E-05	0.6763267	-7.61678	0.0001329
8	308	DJCTe21gedFIT	NotS	2E-08	8.1676E-05	0.6466612	-7.655794	0.00013123
9	309	DJCTg11gedFIT	NotS	2E-08	7.8593E-05	0.5638672	-7.783653	0.00012351
10	310	DJCTg22gedFIT	NotS	2E-08	7.8942E-05	0.5700433	-7.770493	0.00012451
11	311	DJCTg12gedFIT	NotS	1E-08	7.8491E-05	0.5570227	-7.807266	0.00012156
12	312	DJCTg21gedFIT	S	2E-08	7.8983E-05	0.5720845	-7.765786	0.00012485
13	313	DJCTi11gedFIT	NotS	1E-08	7.8628E-05	0.5587038	-7.801557	0.00012206
14	314	DJCTi22gedFIT	NotS	1E-08	7.854E-05	0.5568044	-7.811168	0.00012121
15	315	DJCTi12gedFIT	NotS	1E-08	7.8527E-05	0.556526	-7.814187	0.00012094
16	316	DJCTi21gedFIT	NotS	2E-08	7.8705E-05	0.5614265	-7.792402	0.00012282
17	317	DJCTc11gedFIT	NotS	2E-08	7.9196E-05	0.5775476	-7.756188	0.00012552
18	318	DJCTc22gedFIT	NotS	2E-08	7.8647E-05	0.564044	-7.78309	0.00012357
19	319	DJCTc12gedFIT	NotS	2E-08	7.8831E-05	0.5687139	-7.772738	0.00012435
20	320	DJCTc21gedFIT	NotS	2E-08	7.8975E-05	0.5726928	-7.765049	0.00012491
21	321	DJCTs11stdFIT	NotS	1E-08	8.2602E-05	0.6142403	-7.86049	0.00011562
22	322	DJCTs22stdFIT	NotS	1E-08	8.356E-05	0.6247524	-7.861585	0.00011544
23	323	DJCTs12stdFIT	S	1E-08	8.1266E-05	0.5962997	-7.858702	0.0001159
24	324	DJCTs21stdFIT	NotS	1E-08	8.2664E-05	0.6159258	-7.860772	0.00011557
25	325	DJCTe11stdFIT	NotS	1E-08	8.0425E-05	0.5897971	-7.856514	0.00011622
26	326	DJCTe22stdFIT	NotS	2E-08	7.8408E-05	0.5684968	-7.768815	0.00012456
27	327	DJCTe12stdFIT	S	1E-08	7.7844E-05	0.5537082	-7.810049	0.00012125
28	328	DJCTe21stdFIT	NotS	1E-08	7.8566E-05	0.5592314	-7.837652	0.00011858
29	329	DJCTg11stdFIT	NotS	1E-08	8.7955E-05	0.6812885	-7.858478	0.00011605
30	330	DJCTg22stdFIT	NotS	1E-08	8.1577E-05	0.6028877	-7.860139	0.00011568
31	331	DJCTg12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
32	332	DJCTg21stdFIT	NotS	2E-08	0.00010469	0.8860456	-7.821893	0.00012549
33	333	DJCTi11stdFIT	NotS	1E-08	9.139E-05	0.7225417	-7.853021	0.00011728
34	334	DJCTi22stdFIT	NotS	1E-08	8.2867E-05	0.6163581	-7.860389	0.00011564
35	335	DJCTi12stdFIT	NotS	4E-08	0.00016618	1.497947	-7.671782	0.00019039
36	336	DJCTi21stdFIT	NotS	1E-08	9.1721E-05	0.7267264	-7.852406	0.00011742
37	337	DJCTc11stdFIT	NotS	1E-08	7.8259E-05	0.5549889	-7.826486	0.00011977
38	338	DJCTc22stdFIT	NotS	2E-08	7.8842E-05	0.5681942	-7.774227	0.00012424
39	339	DJCTc12stdFIT	NotS	2E-08	7.8656E-05	0.5638969	-7.783729	0.00012352
40	340	DJCTc21stdFIT	NotS	2E-08	7.9216E-05	0.5764225	-7.758534	0.00012536
41	341	DJCTs11norFIT	NotS	1E-08	7.8267E-05	0.5554347	-7.819111	0.00012047
42	342	DJCTs22norFIT	NotS	2E-08	7.9512E-05	0.5854201	-7.7439	0.00012631
43	343	DJCTs12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
44	344	DJCTs21norFIT	NotS	2E-08	7.9232E-05	0.5792205	-7.754271	0.00012562
45	345	DJCTe11norFIT	S	1E-08	7.8954E-05	0.5594622	-7.809848	0.00012129
46	346	DJCTe22norFIT	NotS	2E-08	8.2792E-05	0.6785333	-7.612949	0.00013311
47	347	DJCTe12norFIT	S	1E-08	7.9118E-05	0.5602929	-7.82172	0.00012016
48	348	DJCTe21norFIT	NotS	2E-08	8.1264E-05	0.6341759	-7.672132	0.00013043
49	349	DJCTg11norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
50	350	DJCTg22norFIT	NotS	2E-08	8.0663E-05	0.6156371	-7.697946	0.00012907
51	351	DJCTg12norFIT	S	2E-08	7.9683E-05	0.5902046	-7.735595	0.00012684
52	352	DJCTg21norFIT	NotS	2E-08	7.8698E-05	0.5669864	-7.7757	0.00012411
53	353	DJCTi11norFIT	NotS	2E-08	7.8757E-05	0.5625075	-7.789682	0.00012304
54	354	DJCTi22norFIT	NotS	1E-08	7.8744E-05	0.5600174	-7.835545	0.00011879
55	355	DJCTi12norFIT	NotS	1E-08	7.862E-05	0.5578415	-7.805998	0.00012167
56	356	DJCTi21norFIT	NotS	2E-08	7.8748E-05	0.5622866	-7.790263	0.000123
57	357	DJCTc11norFIT	NotS	2E-08	7.8992E-05	0.571101	-7.768364	0.00012466
58	358	DJCTc22norFIT	NotS	2E-08	7.8822E-05	0.5669789	-7.777205	0.00012401
59	359	DJCTc12norFIT	NotS	2E-08	7.9478E-05	0.5841108	-7.745212	0.00012625
60	360	DJCTc21norFIT	NotS	2E-08	7.9129E-05	0.5755782	-7.759228	0.00012531
1	361	DJLEs11gedFIT	NotS	3E-08	0.00011846	Inf	-7.45114	0.00018641
2	362	DJLEs22gedFIT	NotS	3E-08	0.0001177	Inf	-7.455915	0.00018518
3	363	DJLEs12gedFIT	NotS	3E-08	0.00011769	Inf	-7.455936	0.00018517
4	364	DJLEs21gedFIT	NotS	3E-08	0.00011859	Inf	-7.450937	0.00018645
5	365	DJLEe11gedFIT	NotS	4E-08	0.00012052	Inf	-7.348025	0.00020288
6	366	DJLEe22gedFIT	NotS	5E-08	0.00012874	Inf	-7.207719	0.00021458
7	367	DJLEe12gedFIT	NotS	4E-08	0.00012067	Inf	-7.331912	0.00020444
8	368	DJLEe21gedFIT	NotS	5E-08	0.00012869	Inf	-7.208797	0.00021451
9	369	DJLEg11gedFIT	NotS	4E-08	0.00011727	Inf	-7.448961	0.00018729
10	370	DJLEg22gedFIT	NotS	4E-08	0.00011888	Inf	-7.425603	0.00019233
11	371	DJLEg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	372	DJLEg21gedFIT	NotS	4E-08	0.00011912	Inf	-7.423976	0.00019263
13	373	DJLEi11gedFIT	NotS	4E-08	0.00015717	Inf	-7.380016	0.00021078

14	374	DJLEi22gedFIT	NotS	5E-08	0.00017561	Inf	-7.354572	0.00022314
15	375	DJLEi12gedFIT	NotS	5E-08	0.00017715	Inf	-7.352358	0.00022428
16	376	DJLEi21gedFIT	NotS	4E-08	0.00015566	Inf	-7.382204	0.00020978
17	377	DJLEc11gedFIT	NotS	4E-08	0.00011835	Inf	-7.419697	0.00019337
18	378	DJLEc22gedFIT	NotS	4E-08	0.00011858	Inf	-7.407577	0.00019534
19	379	DJLEc12gedFIT	NotS	4E-08	0.00011836	Inf	-7.422785	0.00019282
20	380	DJLEc21gedFIT	NotS	4E-08	0.00011836	Inf	-7.418892	0.00019351
21	381	DJLEs11stdFIT	NotS	1E-07	0.0002714	Inf	-7.216066	0.00031127
22	382	DJLEs22stdFIT	NotS	1E-07	0.00031752	Inf	-7.153908	0.00036053
23	383	DJLEs12stdFIT	NotS	1E-07	0.00031905	Inf	-7.151928	0.00036218
24	384	DJLEs21stdFIT	NotS	1E-07	0.00027312	Inf	-7.213677	0.00031305
25	385	DJLEe11stdFIT	NotS	4E-08	0.00013151	Inf	-7.426509	0.00019267
26	386	DJLEe22stdFIT	NotS	4E-08	0.00013029	Inf	-7.416685	0.00019505
27	387	DJLEe12stdFIT	NotS	4E-08	0.00012742	Inf	-7.433758	0.00019051
28	388	DJLEe21stdFIT	NotS	4E-08	0.0001304	Inf	-7.416622	0.00019509
29	389	DJLEg11stdFIT	NotS	1E-07	0.00027045	Inf	-7.215708	0.00031294
30	390	DJLEg22stdFIT	NotS	1E-07	0.00033373	Inf	-7.131414	0.00038544
31	391	DJLEg12stdFIT	NotS	1E-07	0.0003221	Inf	-7.147284	0.00036835
32	392	DJLEg21stdFIT	NotS	1E-07	0.00032458	Inf	-7.142836	0.0003753
33	393	DJLEi11stdFIT	NotS	1E-07	0.00030691	Inf	-7.167503	0.00035009
34	394	DJLEi22stdFIT	NotS	1E-07	0.00033478	Inf	-7.131774	0.00038002
35	395	DJLEi12stdFIT	NotS	1E-07	0.00033251	Inf	-7.134625	0.00037755
36	396	DJLEi21stdFIT	NotS	1E-07	0.00030062	Inf	-7.175805	0.00034336
37	397	DJLEc11stdFIT	NotS	4E-08	0.00013879	Inf	-7.416562	0.00019584
38	398	DJLEc22stdFIT	NotS	4E-08	0.00013546	Inf	-7.421907	0.00019401
39	399	DJLEc12stdFIT	NotS	4E-08	0.00013541	Inf	-7.42199	0.00019398
40	400	DJLEc21stdFIT	NotS	4E-08	0.0001354	Inf	-7.422011	0.00019398
41	401	DJLEs11norFIT	NotS	4E-08	0.00012659	Inf	-7.432415	0.00019092
42	402	DJLEs22norFIT	NotS	4E-08	0.00013139	Inf	-7.426189	0.00019275
43	403	DJLEs12norFIT	NotS	4E-08	0.00013033	Inf	-7.428213	0.00019212
44	404	DJLEs21norFIT	NotS	4E-08	0.00012782	Inf	-7.429544	0.00019173
45	405	DJLEe11norFIT	NotS	4E-08	0.00014766	Inf	-7.355073	0.00021197
46	406	DJLEe22norFIT	NotS	4E-08	0.0001364	Inf	-7.337398	0.0002071
47	407	DJLEe12norFIT	NotS	5E-08	0.00016502	Inf	-7.33278	0.00022489
48	408	DJLEe21norFIT	NotS	4E-08	0.00013647	Inf	-7.337396	0.00020715
49	409	DJLEg11norFIT	NotS	4E-08	0.00012687	Inf	-7.432319	0.00019094
50	410	DJLEg22norFIT	NotS	4E-08	0.00012143	Inf	-7.425622	0.00019227
51	411	DJLEg12norFIT	NotS	4E-08	0.0001312	Inf	-7.427322	0.00019239
52	412	DJLEg21norFIT	NotS	4E-08	0.00012116	Inf	-7.425281	0.00019233
53	413	DJLEi11norFIT	NotS	4E-08	0.00013638	Inf	-7.412983	0.00019711
54	414	DJLEi22norFIT	NotS	4E-08	0.00014443	Inf	-7.401083	0.00020171
55	415	DJLEi12norFIT	NotS	4E-08	0.00014492	Inf	-7.400284	0.00020204
56	416	DJLEi21norFIT	NotS	4E-08	0.00013592	Inf	-7.413684	0.00019685
57	417	DJLEc11norFIT	NotS	4E-08	0.00012033	Inf	-7.398741	0.00019667
58	418	DJLEc22norFIT	NotS	4E-08	0.00012073	Inf	-7.390393	0.00019784
59	419	DJLEc12norFIT	NotS	4E-08	0.00012087	Inf	-7.39635	0.00019701
60	420	DJLEc21norFIT	NotS	4E-08	0.00012068	Inf	-7.405588	0.00019565
1	421	DJGOs11gedFIT	NotS	1E-09	1.775E-05	0.4757277	-9.325191	3.2124E-05
2	422	DJGOs22gedFIT	NotS	1E-09	1.8438E-05	0.5090353	-9.327949	3.2086E-05
3	423	DJGOs12gedFIT	NotS	1E-09	1.8129E-05	0.4943312	-9.326955	3.2095E-05
4	424	DJGOs21gedFIT	NotS	1E-09	1.7222E-05	0.450446	-9.313882	3.237E-05
5	425	DJGOe11gedFIT	NotS	1E-09	1.7784E-05	0.479053	-9.317299	3.2304E-05
6	426	DJGOe22gedFIT	NotS	1E-09	1.7866E-05	0.4827833	-9.316818	3.2317E-05
7	427	DJGOe12gedFIT	NotS	1E-09	1.7922E-05	0.4853638	-9.317731	3.23E-05
8	428	DJGOe21gedFIT	NotS	1E-09	1.9744E-05	0.5658407	-9.320282	3.2413E-05
9	429	DJGOg11gedFIT	NotS	1E-09	1.7569E-05	0.467915	-9.316885	3.2307E-05
10	430	DJGOg22gedFIT	NotS	1E-09	1.7506E-05	0.4650439	-9.31441	3.2359E-05
11	431	DJGOg12gedFIT	NotS	1E-09	1.8154E-05	0.4960285	-9.324813	3.215E-05
12	432	DJGOg21gedFIT	NotS	1E-09	1.7681E-05	0.4732709	-9.317966	3.2286E-05
13	433	DJGOi11gedFIT	NotS	1E-09	1.697E-05	0.4417932	-9.294443	3.2749E-05
14	434	DJGOi22gedFIT	NotS	1E-09	1.6961E-05	0.4429156	-9.286945	3.2882E-05
15	435	DJGOi12gedFIT	NotS	1E-09	1.6998E-05	0.443072	-9.294074	3.2755E-05
16	436	DJGOi21gedFIT	NotS	1E-09	1.6958E-05	0.4414902	-9.293541	3.2766E-05
17	437	DJGOc11gedFIT	NotS	1E-09	1.7684E-05	0.4722453	-9.324682	3.2135E-05
18	438	DJGOc22gedFIT	NotS	1E-09	1.7288E-05	0.4536704	-9.315386	3.2338E-05
19	439	DJGOc12gedFIT	NotS	1E-09	1.7754E-05	0.4759373	-9.324614	3.2138E-05
20	440	DJGOc21gedFIT	NotS	1E-09	1.7336E-05	0.4560002	-9.316479	3.2315E-05
21	441	DJGOs11stdFIT	NotS	3E-09	4.5433E-05	1.55538	-9.09003	5.2775E-05
22	442	DJGOs22stdFIT	NotS	4E-09	5.4625E-05	1.865179	-9.013914	6.2704E-05
23	443	DJGOs12stdFIT	NotS	4E-09	5.4627E-05	1.865237	-9.0139	6.2706E-05
24	444	DJGOs21stdFIT	NotS	3E-09	4.3676E-05	1.494072	-9.105351	5.1001E-05
25	445	DJGOe11stdFIT	NotS	2E-09	3.9402E-05	1.335763	-9.146072	4.5917E-05
26	446	DJGOe22stdFIT	NotS	2E-09	3.3816E-05	1.130593	-9.198911	4.1053E-05
27	447	DJGOe12stdFIT	NotS	2E-09	3.715E-05	1.252947	-9.167388	4.3884E-05
28	448	DJGOe21stdFIT	NotS	2E-09	3.4929E-05	1.171085	-9.188703	4.1917E-05
29	449	DJGOg11stdFIT	NotS	4E-09	5.5634E-05	1.898251	-9.005831	6.3708E-05
30	450	DJGOg22stdFIT	NotS	3E-09	4.7409E-05	1.624575	-9.072865	5.5025E-05
31	451	DJGOg12stdFIT	NotS	5E-09	6.0089E-05	2.037753	-8.972622	6.8749E-05
32	452	DJGOg21stdFIT	NotS	3E-09	4.9992E-05	1.713439	-9.050906	5.7582E-05
33	453	DJGOi11stdFIT	NotS	3E-09	5.0521E-05	1.730513	-9.046723	5.837E-05
34	454	DJGOi22stdFIT	NotS	4E-09	5.6657E-05	1.929384	-8.998488	6.4994E-05
35	455	DJGOi12stdFIT	NotS	4E-09	5.6565E-05	1.926459	-8.999193	6.4896E-05
36	456	DJGOi21stdFIT	NotS	1E-09	2.791E-05	0.9116577	-9.250815	3.7031E-05
37	457	DJGOc11stdFIT	NotS	1E-08	9.2485E-05	2.976124	-8.747255	9.8981E-05
38	458	DJGOc22stdFIT	NotS	1E-08	0.00011234	3.482154	-8.634679	0.00011927
39	459	DJGOc12stdFIT	NotS	1E-09	2.2686E-05	0.6909505	-9.306402	3.3268E-05
40	460	DJGOc21stdFIT	NotS	1E-09	2.5019E-05	0.7922183	-9.281768	3.4766E-05
41	461	DJGOs11norFIT	NotS	1E-09	1.7072E-05	0.444905	-9.304339	3.2563E-05
42	462	DJGOs22norFIT	NotS	1E-09	1.6933E-05	0.4443345	-9.27804	3.3031E-05
43	463	DJGOs12norFIT	NotS	1E-09	1.6934E-05	0.4440813	-9.279015	3.3015E-05
44	464	DJGOs21norFIT	NotS	1E-09	1.6963E-05	0.4423283	-9.291341	3.2805E-05
45	465	DJGOe11norFIT	NotS	1E-09	1.869E-05	0.5231197	-9.307828	3.2589E-05
46	466	DJGOe22norFIT	NotS	1E-09	1.9071E-05	0.540001	-9.309139	3.2622E-05
47	467	DJGOe12norFIT	NotS	1E-09	1.8975E-05	0.5364539	-9.304163	3.2709E-05
48	468	DJGOe21norFIT	NotS	1E-09	1.8399E-05	0.5098676	-9.309082	3.2526E-05
49	469	DJGOg11norFIT	NotS	1E-09	1.7056E-05	0.4490389	-9.283261	3.2943E-05
50	470	DJGOg22norFIT	NotS	1E-09	1.7023E-05	0.4591187	-9.250335	3.3455E-05
51	471	DJGOg12norFIT	NotS	1E-09	1.7012E-05	0.4570828	-9.25344	3.3406E-05
52	472	DJGOg21norFIT	NotS	1E-09	1.7082E-05	0.4677706	-9.235907	3.3654E-05
53	473	DJGOi11norFIT	NotS	1E-09	1.6957E-05	0.4428158	-9.287881	3.2866E-05
54	474	DJGOi22norFIT	NotS	1E-09	1.6955E-05	0.4426353	-9.288144	3.2861E-05
55	475	DJGOi12norFIT	NotS	1E-09	1.6958E-05	0.4428842	-9.286828	3.2884E-05
56	476	DJGOi21norFIT	NotS	1E-09	1.6956E-05	0.4426143	-9.288599	3.2853E-05
57	477	DJGOc11norFIT	NotS	1E-09	1.7274E-05	0.4532478	-9.31414	3.2364E-05
58	478	DJGOc22norFIT	NotS	1E-09	1.7077E-05	0.4449818	-9.304849	3.2553E-05
59	479	DJGOc12norFIT	NotS	1E-09	1.7256E-05	0.4517617	-9.315928	3.2327E-05
60	480	DJGOc21norFIT	NotS	1E-09	1.725E-05	0.4519712	-9.314093	3.2365E-05
1	481	DJNIs11gedFIT	NotS	3E-08	0.00012205	Inf	-7.398676	0.00016718
2	482	DJNIs22gedFIT	NotS	3E-08	0.00012221	Inf	-7.398539	0.00016722
3	483	DJNIs12gedFIT	NotS	3E-08	0.000122	Inf	-7.39872	0.00016717
4	484	DJNIs21gedFIT	NotS	3E-08	0.00011301	Inf	-7.399862	0.00016724
5	485	DJNIe11gedFIT	NotS	3E-08	0.00011216	Inf	-7.390515	0.00016985
6	486	DJNIe22gedFIT	NotS	3E-08	0.00011625	Inf	-7.341813	0.00017881
7	487	DJNIe12gedFIT	NotS	3E-08	0.00011363	Inf	-7.38366	0.00017244
8	488	DJNIe21gedFIT	NotS	3E-08	0.00011266	Inf	-7.394165	0.00016901
9	489	DJNIg11gedFIT	NotS	3E-08	0.00012537	Inf	-7.395943	0.00016858
10	490	DJNIg22gedFIT	NotS	3E-08	0.00012541	Inf	-7.39478	0.00016901
11	491	DJNIg12gedFIT	NotS	3E-08	0.00012551	Inf	-7.395785	0.00016866
12	492	DJNIg21gedFIT	NotS	3E-08	0.00012502	Inf	-7.395397	0.00016879
13	493	DJNIi11gedFIT	NotS	3E-08	0.00012619	Inf	-7.38517	0.00017349
14	494	DJNIi22gedFIT	NotS	3E-08	0.00013195	Inf	-7.377208	0.00017644
15	495	DJNIi12gedFIT	NotS	3E-08	0.00013641	Inf	-7.371553	0.00017887
16	496	DJNIi21gedFIT	NotS	3E-08	0.00012541	Inf	-7.386004	0.00017318
17	497	DJNIc11gedFIT	NotS	3E-08	0.00011287	Inf	-7.389834	0.00017037
18	498	DJNIc22gedFIT	NotS	3E-08	0.0001128	Inf	-7.389719	0.00017034
19	499	DJNIc12gedFIT	NotS	3E-08	0.00011285	Inf	-7.389692	0.0001704

20	500	DJNIc21gedFIT	NotS	3E-08	0.00011291	Inf	-7.389234	0.00017056
21	501	DJNIs11stdFIT	S	1E-07	0.0003033	Inf	-7.146806	0.00032462
22	502	DJNIs22stdFIT	NotS	0.0005	0.02021486	Inf	-4.074869	0.02286956
23	503	DJNIs12stdFIT	NotS	9E-05	0.00893906	Inf	-4.732827	0.00939087
24	504	DJNIs21stdFIT	NotS	1E-07	0.00030424	Inf	-7.145596	0.00032516
25	505	DJNIe11stdFIT	NotS	5E-08	0.00018551	Inf	-7.313204	0.00021253
26	506	DJNIe22stdFIT	NotS	2E-07	0.00038766	Inf	-7.050109	0.00041232
27	507	DJNIe12stdFIT	NotS	3E-08	0.00013838	Inf	-7.373324	0.00017782
28	508	DJNIe21stdFIT	S	1E-06	0.00111933	Inf	-6.453227	0.00115337
29	509	DJNIg11stdFIT	NotS	1E-07	0.00028883	Inf	-7.165205	0.00031164
30	510	DJNIg22stdFIT	NotS	3E-07	0.00050994	Inf	-6.918373	0.00053005
31	511	DJNIg12stdFIT	NotS	3E-06	0.00177183	Inf	-6.102151	0.00178225
32	512	DJNIg21stdFIT	NotS	5E-07	0.0007195	Inf	-6.728497	0.00073778
33	513	DJNIi11stdFIT	NotS	1E-07	0.00034717	Inf	-7.093233	0.00037092
34	514	DJNIi22stdFIT	NotS	2E-05	0.00366332	Inf	-5.612495	0.00414452
35	515	DJNIi12stdFIT	NotS	2E-05	0.00396094	Inf	-5.548391	0.00448366
36	516	DJNIi21stdFIT	NotS	1E-07	0.00034769	Inf	-7.092541	0.00037127
37	517	DJNIc11stdFIT	NotS	3E-08	0.00011261	Inf	-7.390171	0.00017009
38	518	DJNIc22stdFIT	NotS	3E-08	0.00011278	Inf	-7.390921	0.00016998
39	519	DJNIc12stdFIT	NotS	3E-08	0.00011256	Inf	-7.384071	0.00017148
40	520	DJNIc21stdFIT	NotS	3E-08	0.00011255	Inf	-7.388488	0.00017049
41	521	DJNIs11norFIT	NotS	3E-08	0.00011534	Inf	-7.391117	0.00017135
42	522	DJNIs22norFIT	NotS	3E-08	0.00011403	Inf	-7.391458	0.00017104
43	523	DJNIs12norFIT	NotS	3E-08	0.00011535	Inf	-7.390227	0.00017147
44	524	DJNIs21norFIT	NotS	3E-08	0.00011542	Inf	-7.391788	0.00017118
45	525	DJNIe11norFIT	S	3E-08	0.00014025	Inf	-7.360658	0.0001829
46	526	DJNIe22norFIT	S	3E-08	0.00013957	Inf	-7.360062	0.00018257
47	527	DJNIe12norFIT	NotS	3E-08	0.00014075	Inf	-7.364767	0.00018172
48	528	DJNIe21norFIT	NotS	3E-08	0.00013847	Inf	-7.362106	0.00018177
49	529	DJNIg11norFIT	NotS	3E-08	0.00011544	Inf	-7.391138	0.00017134
50	530	DJNIg22norFIT	NotS	3E-08	0.00011482	Inf	-7.394306	0.00016965
51	531	DJNIg12norFIT	NotS	3E-08	0.00011384	Inf	-7.392013	0.00017076
52	532	DJNIg21norFIT	NotS	3E-08	0.00011482	Inf	-7.394306	0.00016965
53	533	DJNIi11norFIT	NotS	3E-08	0.00012075	Inf	-7.389255	0.00017193
54	534	DJNIi22norFIT	NotS	3E-08	0.00012271	Inf	-7.387256	0.00017257
55	535	DJNIi12norFIT	NotS	3E-08	0.00012284	Inf	-7.387138	0.00017261
56	536	DJNIi21norFIT	NotS	3E-08	0.00012043	Inf	-7.38955	0.00017184
57	537	DJNIc11norFIT	NotS	3E-08	0.00011362	Inf	-7.383877	0.00017258
58	538	DJNIc22norFIT	NotS	3E-08	0.00011384	Inf	-7.381356	0.00017336
59	539	DJNIc12norFIT	NotS	3E-08	0.00011391	Inf	-7.386183	0.00017231
60	540	DJNIc21norFIT	NotS	3E-08	0.00011361	Inf	-7.38294	0.00017276
1	541	DJSIs11gedFIT	NotS	7E-09	5.9855E-05	0.5720235	-8.220953	8.3539E-05
2	542	DJSIs22gedFIT	NotS	7E-09	6.0371E-05	0.5794321	-8.219982	8.3689E-05
3	543	DJSIs12gedFIT	NotS	7E-09	6.0171E-05	0.5767478	-8.22013	8.3659E-05
4	544	DJSIs21gedFIT	NotS	7E-09	5.9933E-05	0.5733174	-8.220528	8.3597E-05
5	545	DJSIe11gedFIT	NotS	7E-09	6.1162E-05	0.5924255	-8.216499	8.4184E-05
6	546	DJSIe22gedFIT	NotS	7E-09	5.8779E-05	0.5584816	-8.219225	8.3241E-05
7	547	DJSIe12gedFIT	NotS	7E-09	6.2844E-05	0.6181434	-8.211998	8.4897E-05
8	548	DJSIe21gedFIT	NotS	7E-09	6.2058E-05	0.6108975	-8.208922	8.5096E-05
9	549	DJSIg11gedFIT	NotS	7E-09	6.3323E-05	0.6315517	-8.203294	8.6059E-05
10	550	DJSIg22gedFIT	NotS	8E-09	6.4501E-05	0.653741	-8.193792	8.7399E-05
11	551	DJSIg12gedFIT	S	8E-09	6.4959E-05	0.6549404	-8.200182	8.6698E-05
12	552	DJSIg21gedFIT	NotS	8E-09	6.4386E-05	0.6524129	-8.193682	8.7386E-05
13	553	DJSIi11gedFIT	NotS	7E-09	5.9826E-05	0.5762706	-8.213371	8.4458E-05
14	554	DJSIi22gedFIT	NotS	7E-09	6.0701E-05	0.5886175	-8.211653	8.4756E-05
15	555	DJSIi12gedFIT	NotS	7E-09	6.1354E-05	0.5981854	-8.210127	8.5017E-05
16	556	DJSIi21gedFIT	NotS	7E-09	5.6597E-05	0.5304002	-8.218545	8.3606E-05
17	557	DJSIc11gedFIT	NotS	1E-08	8.7612E-05	0.9746241	-8.128571	0.00010293
18	558	DJSIc22gedFIT	NotS	1E-08	8.5703E-05	0.9484147	-8.134932	0.00010133
19	559	DJSIc12gedFIT	NotS	1E-08	8.5927E-05	0.951622	-8.134032	0.00010157
20	560	DJSIc21gedFIT	NotS	1E-08	8.9529E-05	1.00137	-8.121782	0.00010471
21	561	DJSIs11stdFIT	S	4E-07	0.0005819	5.228293	-7.186758	0.00064401
22	562	DJSIs22stdFIT	NotS	5E-07	0.00064816	5.62062	-7.115713	0.00072155
23	563	DJSIs12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
24	564	DJSIs21stdFIT	NotS	4E-07	0.0005428	4.97845	-7.234285	0.00060029
25	565	DJSIe11stdFIT	NotS	8E-08	0.00026794	2.887261	-7.65296	0.00027736
26	566	DJSIe22stdFIT	NotS	2E-08	0.00013749	1.574	-7.977088	0.00014712
27	567	DJSIe12stdFIT	NotS	7E-08	0.00025117	2.727825	-7.689742	0.00026058
28	568	DJSIe21stdFIT	NotS	7E-08	0.00025096	2.730922	-7.688807	0.00026009
29	569	DJSIg11stdFIT	S	6E-07	0.00071005	5.965338	-7.054723	0.00079371
30	570	DJSIg22stdFIT	NotS	5E-07	0.00060242	5.339321	-7.169389	0.00067283
31	571	DJSIg12stdFIT	NotS	7E-07	0.00076257	6.243608	-7.006859	0.00085649
32	572	DJSIg21stdFIT	NotS	6E-07	0.00066888	5.732637	-7.096815	0.00074719
33	573	DJSIi11stdFIT	NotS	5E-07	0.00062919	5.508906	-7.136374	0.00070086
34	574	DJSIi22stdFIT	NotS	6E-07	0.00067945	5.796263	-7.084952	0.00075951
35	575	DJSIi12stdFIT	NotS	6E-07	0.00068017	5.800402	-7.084199	0.00076032
36	576	DJSIi21stdFIT	NotS	4E-07	0.0005896	5.269062	-7.181136	0.00065667
37	577	DJSIc11stdFIT	S	2E-06	0.00147831	9.59755	-6.421056	0.00154587
38	578	DJSIc22stdFIT	NotS	1E-06	0.0009791	7.477851	-6.762593	0.00102503
39	579	DJSIc12stdFIT	NotS	1E-06	0.00098311	7.497233	-6.759301	0.00102919
40	580	DJSIc21stdFIT	NotS	1E-06	0.00098623	7.512221	-6.756769	0.00103245
41	581	DJSIs11norFIT	NotS	7E-09	5.6277E-05	0.5252907	-8.220334	8.34E-05
42	582	DJSIs22norFIT	NotS	7E-09	5.7023E-05	0.5354637	-8.220055	8.3474E-05
43	583	DJSIs12norFIT	NotS	7E-09	5.7468E-05	0.5415741	-8.219741	8.3536E-05
44	584	DJSIs21norFIT	NotS	7E-09	5.6489E-05	0.5280764	-8.220433	8.3402E-05
45	585	DJSIe11norFIT	NotS	9E-09	7.9767E-05	0.8641414	-8.157376	9.5639E-05
46	586	DJSIe22norFIT	NotS	9E-09	7.8536E-05	0.8467844	-8.161875	9.4649E-05
47	587	DJSIe12norFIT	NotS	1E-08	8.2834E-05	0.9058573	-8.146588	9.8123E-05
48	588	DJSIe21norFIT	NotS	8E-09	7.5216E-05	0.7980679	-8.175145	9.1817E-05
49	589	DJSIg11norFIT	NotS	7E-09	5.5997E-05	0.5280849	-8.207081	8.4601E-05
50	590	DJSIg22norFIT	NotS	7E-09	5.6839E-05	0.5411954	-8.206242	8.4779E-05
51	591	DJSIg12norFIT	NotS	7E-09	5.9741E-05	0.5818311	-8.20641	8.5188E-05
52	592	DJSIg21norFIT	NotS	7E-09	5.8419E-05	0.5646299	-8.204074	8.5216E-05
53	593	DJSIi11norFIT	NotS	7E-09	5.201E-05	0.4662545	-8.20819	8.4263E-05
54	594	DJSIi22norFIT	NotS	7E-09	5.2145E-05	0.4679921	-8.209412	8.417E-05
55	595	DJSIi12norFIT	NotS	7E-09	5.2151E-05	0.468071	-8.209476	8.4165E-05
56	596	DJSIi21norFIT	NotS	7E-09	5.1619E-05	0.4612416	-8.204056	8.4569E-05
57	597	DJSIc11norFIT	NotS	7E-09	5.365E-05	0.488169	-8.217312	8.3542E-05
58	598	DJSIc22norFIT	NotS	7E-09	5.2607E-05	0.473047	-8.21392	8.3806E-05
59	599	DJSIc12norFIT	NotS	7E-09	5.2411E-05	0.4706097	-8.212663	8.3906E-05
60	600	DJSIc21norFIT	NotS	7E-09	5.6888E-05	0.5334806	-8.219372	8.3516E-05
1	601	DJSUs11gedFIT	NotS	8E-08	0.00017138	0.6656687	-6.967153	0.0002839
2	602	DJSUs22gedFIT	NotS	8E-08	0.0001718	0.670302	-6.963545	0.00028418
3	603	DJSUs12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
4	604	DJSUs21gedFIT	NotS	8E-08	0.00017126	0.6641466	-6.969599	0.00028366
5	605	DJSUe11gedFIT	NotS	8E-08	0.00016905	0.6390825	-7.00012	0.00028067
6	606	DJSUe22gedFIT	NotS	9E-08	0.00017617	0.7379089	-6.855288	0.0002929
7	607	DJSUe12gedFIT	NotS	8E-08	0.00016975	0.6457729	-6.991505	0.00028154
8	608	DJSUe21gedFIT	NotS	8E-08	0.0001687	0.6360394	-6.992919	0.00028145
9	609	DJSUg11gedFIT	NotS	8E-08	0.0001713	0.6646207	-6.968714	0.00028375
10	610	DJSUg22gedFIT	NotS	8E-08	0.00017092	0.6582606	-6.985583	0.00028197
11	611	DJSUg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	612	DJSUg21gedFIT	NotS	8E-08	0.00017095	0.658908	-6.983301	0.00028222
13	613	DJSUi11gedFIT	NotS	8E-08	0.00017167	0.6648915	-6.987206	0.00028164
14	614	DJSUi22gedFIT	NotS	8E-08	0.00017222	0.67007	-6.985676	0.00028168
15	615	DJSUi12gedFIT	NotS	8E-08	0.00017226	0.6699326	-6.987154	0.00028151
16	616	DJSUi21gedFIT	NotS	8E-08	0.00017159	0.6615137	-6.998964	0.00028035
17	617	DJSUc11gedFIT	NotS	9E-08	0.00017401	0.716617	-6.875305	0.000292
18	618	DJSUc22gedFIT	NotS	9E-08	0.00017566	0.7412161	-6.842153	0.00029442
19	619	DJSUc12gedFIT	NotS	9E-08	0.00017497	0.7307466	-6.856156	0.00029342
20	620	DJSUc21gedFIT	NotS	9E-08	0.00017616	0.7493449	-6.831163	0.00029518
21	621	DJSUs11stdFIT	S	9E-07	0.00092238	3.643135	-6.481523	0.00096716
22	622	DJSUs22stdFIT	NotS	9E-07	0.00091621	3.624815	-6.485587	0.00096116
23	623	DJSUs12stdFIT	NotS	9E-07	0.00091601	3.624211	-6.485717	0.00096095
24	624	DJSUs21stdFIT	NotS	9E-07	0.0009161	3.624499	-6.485655	0.00096105
25	625	DJSUe11stdFIT	NotS	5E-07	0.00070835	2.944276	-6.631966	0.00073996

26	626	DJSUe22stdFIT	S	2E-07	0.00046811	2.038875	-6.844775	0.00049667
27	627	DJSUe12stdFIT	NotS	1E-06	0.00094691	3.707365	-6.464335	0.00098421
28	628	DJSUe21stdFIT	S	3E-07	0.00048584	2.118338	-6.82578	0.00051463
29	629	DJSUg11stdFIT	NotS	2E-07	0.00040698	1.747003	-6.915323	0.00043924
30	630	DJSUg22stdFIT	S	7E-07	0.00081559	3.186559	-6.569818	0.00085359
31	631	DJSUg12stdFIT	NotS	1E-07	0.00026934	1.100742	-7.075407	0.00031908
32	632	DJSUg21stdFIT	S	5E-07	0.00064683	2.557784	-6.714455	0.00069983
33	633	DJSUi11stdFIT	NotS	1E-06	0.00102382	3.941846	-6.420537	0.00107834
34	634	DJSUi22stdFIT	NotS	1E-06	0.00101561	3.918558	-6.425571	0.00107034
35	635	DJSUi12stdFIT	NotS	1E-06	0.00101568	3.918776	-6.425525	0.00107042
36	636	DJSUi21stdFIT	NotS	1E-06	0.00101608	3.919909	-6.425286	0.00107083
37	637	DJSUc11stdFIT	NotS	6E-06	0.002448	7.110481	-5.806505	0.00248884
38	638	DJSUc22stdFIT	NotS	9E-08	0.00017546	0.7379601	-6.84754	0.00029404
39	639	DJSUc12stdFIT	NotS	2E-06	0.00135162	4.768126	-6.241473	0.00138334
40	640	DJSUc21stdFIT	NotS	2E-06	0.00128121	4.591272	-6.277096	0.00131332
41	641	DJSUs11norFIT	NotS	8E-08	0.00017214	0.6804419	-6.934728	0.00028706
42	642	DJSUs22norFIT	NotS	8E-08	0.00017237	0.683383	-6.931001	0.00028738
43	643	DJSUs12norFIT	S	8E-08	0.00017236	0.6831859	-6.931228	0.00028736
44	644	DJSUs21norFIT	NotS	8E-08	0.00017214	0.680786	-6.933649	0.00028716
45	645	DJSUe11norFIT	NotS	7E-08	0.00017754	0.6797827	-7.068372	0.00027197
46	646	DJSUe22norFIT	NotS	7E-08	0.00017753	0.676252	-7.08544	0.00026964
47	647	DJSUe12norFIT	NotS	7E-08	0.00017918	0.692496	-7.060405	0.00027302
48	648	DJSUe21norFIT	NotS	8E-08	0.00016936	0.6451758	-6.977532	0.00028307
49	649	DJSUg11norFIT	NotS	8E-08	0.00017205	0.6792944	-6.936059	0.00028695
50	650	DJSUg22norFIT	NotS	8E-08	0.00017238	0.6841771	-6.929392	0.00028753
51	651	DJSUg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	652	DJSUg21norFIT	NotS	8E-08	0.00017249	0.685902	-6.926873	0.00028775
53	653	DJSUi11norFIT	NotS	8E-08	0.0001718	0.6745904	-6.944343	0.00028619
54	654	DJSUi22norFIT	NotS	8E-08	0.000172	0.6767882	-6.941648	0.00028642
55	655	DJSUi12norFIT	NotS	8E-08	0.000172	0.6766798	-6.941876	0.0002864
56	656	DJSUi21norFIT	NotS	8E-08	0.00017178	0.6745499	-6.943831	0.00028624
57	657	DJSUc11norFIT	NotS	9E-08	0.00017529	0.7361323	-6.849112	0.00029394
58	658	DJSUc22norFIT	NotS	9E-08	0.00017639	0.7539711	-6.824815	0.00029562
59	659	DJSUc12norFIT	NotS	9E-08	0.00017439	0.7230233	-6.866301	0.00029268
60	660	DJSUc21norFIT	NotS	9E-08	0.00017456	0.7252957	-6.863213	0.00029291
1	661	DJWEs11gedFIT	NotS	2E-08	0.00011909	0.776352	-7.673986	0.00015355
2	662	DJWEs22gedFIT	NotS	2E-08	0.00012071	0.7943434	-7.668564	0.00015522
3	663	DJWEs12gedFIT	NotS	2E-08	0.00012073	0.7944891	-7.66853	0.00015523
4	664	DJWEs21gedFIT	NotS	2E-08	0.00011794	0.7663919	-7.676463	0.00015282
5	665	DJWEe11gedFIT	S	2E-08	9.5404E-05	0.5599304	-7.726522	0.00013978
6	666	DJWEe22gedFIT	NotS	2E-08	9.7501E-05	0.5800175	-7.72159	0.00014096
7	667	DJWEe12gedFIT	S	2E-08	9.5267E-05	0.5608435	-7.726402	0.00013965
8	668	DJWEe21gedFIT	NotS	2E-08	9.7742E-05	0.5822503	-7.72119	0.00014103
9	669	DJWEg11gedFIT	NotS	2E-08	0.00010928	0.6891737	-7.69809	0.00014636
10	670	DJWEg22gedFIT	NotS	2E-08	0.00010369	0.6388498	-7.711255	0.00014274
11	671	DJWEg12gedFIT	NotS	2E-08	0.00011111	0.7064719	-7.693589	0.00014766
12	672	DJWEg21gedFIT	NotS	2E-08	0.00010435	0.6448057	-7.710297	0.00014288
13	673	DJWEi11gedFIT	NotS	6E-08	0.0002123	1.509129	-7.482408	0.00023555
14	674	DJWEi22gedFIT	NotS	6E-08	0.00021772	1.551439	-7.470751	0.00024165
15	675	DJWEi12gedFIT	NotS	6E-08	0.00021778	1.551899	-7.470628	0.00024172
16	676	DJWEi21gedFIT	NotS	6E-08	0.00021257	1.511077	-7.481906	0.00023582
17	677	DJWEc11gedFIT	NotS	3E-08	0.00014699	1.010266	-7.613296	0.00017442
18	678	DJWEc22gedFIT	NotS	3E-08	0.00013683	0.928234	-7.634577	0.00016651
19	679	DJWEc12gedFIT	NotS	3E-08	0.00014702	1.010653	-7.613243	0.00017444
20	680	DJWEc21gedFIT	NotS	3E-08	0.0001493	1.0287	-7.608433	0.00017631
21	681	DJWEs11stdFIT	NotS	1E-07	0.00029069	2.033761	-7.350638	0.00031579
22	682	DJWEs22stdFIT	NotS	1E-07	0.00031976	2.213003	-7.306323	0.00034672
23	683	DJWEs12stdFIT	NotS	1E-07	0.00031975	2.212942	-7.306338	0.00034671
24	684	DJWEs21stdFIT	NotS	1E-07	0.0002927	2.046439	-7.347544	0.00031789
25	685	DJWEe11stdFIT	S	3E-08	0.00013823	0.9346492	-7.637737	0.00016539
26	686	DJWEe22stdFIT	NotS	4E-08	0.00019011	1.304605	-7.538388	0.00020879
27	687	DJWEe12stdFIT	S	3E-08	0.00014245	0.9594144	-7.630021	0.0001689
28	688	DJWEe21stdFIT	NotS	4E-08	0.00019341	1.327963	-7.532106	0.00021181
29	689	DJWEg11stdFIT	NotS	1E-07	0.00036172	2.463612	-7.24738	0.00038535
30	690	DJWEg22stdFIT	NotS	2E-07	0.00045487	2.993305	-7.125404	0.00048403
31	691	DJWEg12stdFIT	NotS	1E-07	0.00035175	2.402984	-7.260973	0.00037718
32	692	DJWEg21stdFIT	NotS	3E-07	0.00047228	3.086791	-7.104146	0.00050145
33	693	DJWEi11stdFIT	NotS	1E-07	0.0003204	2.217855	-7.306269	0.00034774
34	694	DJWEi22stdFIT	NotS	1E-07	0.00033638	2.313678	-7.282456	0.0003649
35	695	DJWEi12stdFIT	NotS	1E-07	0.00033635	2.313514	-7.282495	0.00036487
36	696	DJWEi21stdFIT	NotS	1E-07	0.00032254	2.230977	-7.303131	0.00035003
37	697	DJWEc11stdFIT	NotS	3E-08	0.00014546	0.9989481	-7.615992	0.00017338
38	698	DJWEc22stdFIT	NotS	3E-08	0.00013865	0.9441542	-7.630261	0.00016806
39	699	DJWEc12stdFIT	NotS	3E-08	0.00014196	0.971039	-7.623266	0.00017063
40	700	DJWEc21stdFIT	NotS	3E-08	0.00014058	0.9600693	-7.626108	0.00016958
41	701	DJWEs11norFIT	NotS	2E-08	0.00010617	0.6648084	-7.700466	0.00014634
42	702	DJWEs22norFIT	NotS	2E-08	0.00010542	0.6588546	-7.70175	0.00014603
43	703	DJWEs12norFIT	NotS	2E-08	0.00010543	0.6589454	-7.70173	0.00014603
44	704	DJWEs21norFIT	NotS	2E-08	0.00010605	0.663672	-7.700723	0.00014628
45	705	DJWEe11norFIT	S	2E-08	0.00011167	0.7145905	-7.689379	0.00014912
46	706	DJWEe22norFIT	NotS	2E-08	0.00011608	0.7544345	-7.679475	0.00015189
47	707	DJWEe12norFIT	S	2E-08	0.0001159	0.7531395	-7.680172	0.00015162
48	708	DJWEe21norFIT	NotS	2E-08	0.00011635	0.7567548	-7.678906	0.00015205
49	709	DJWEg11norFIT	S	2E-08	9.8268E-05	0.5867394	-7.720481	0.00014115
50	710	DJWEg22norFIT	NotS	2E-08	9.5676E-05	0.5608221	-7.725778	0.00014008
51	711	DJWEg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	712	DJWEg21norFIT	NotS	2E-08	9.5832E-05	0.5621066	-7.726113	0.00013987
53	713	DJWEi11norFIT	NotS	6E-08	0.00021662	1.540792	-7.474066	0.00024027
54	714	DJWEi22norFIT	NotS	6E-08	0.00021715	1.545631	-7.472702	0.00024094
55	715	DJWEi12norFIT	NotS	6E-08	0.00021715	1.545693	-7.472687	0.00024095
56	716	DJWEi21norFIT	NotS	6E-08	0.00021597	1.536122	-7.47527	0.0002396
57	717	DJWEc11norFIT	NotS	2E-08	9.8005E-05	0.588126	-7.714558	0.00014338
58	718	DJWEc22norFIT	NotS	2E-08	9.7897E-05	0.5869728	-7.714749	0.00014335
59	719	DJWEc12norFIT	NotS	2E-08	9.7909E-05	0.5870878	-7.71473	0.00014335
60	720	DJWEc21norFIT	NotS	2E-08	9.7908E-05	0.5870855	-7.714731	0.00014335
1	721	DJZIs11gedFIT	NotS	2E-08	0.0001133	Inf	-7.332459	0.00014921
2	722	DJZIs22gedFIT	NotS	2E-08	0.00011944	Inf	-7.32589	0.00015247
3	723	DJZIs12gedFIT	NotS	2E-08	0.00011846	Inf	-7.327288	0.00015178
4	724	DJZIs21gedFIT	NotS	2E-08	0.00011335	Inf	-7.332393	0.00014924
5	725	DJZIe11gedFIT	NotS	2E-08	0.00010008	Inf	-7.339186	0.00014673
6	726	DJZIe22gedFIT	NotS	2E-08	0.00010259	Inf	-7.325763	0.00015075
7	727	DJZIe12gedFIT	NotS	2E-08	0.00010117	Inf	-7.325362	0.00015042
8	728	DJZIe21gedFIT	NotS	2E-08	0.0001026	Inf	-7.325861	0.00015072
9	729	DJZIg11gedFIT	NotS	2E-08	0.00011628	Inf	-7.331973	0.00014959
10	730	DJZIg22gedFIT	NotS	2E-08	0.00011287	Inf	-7.333296	0.00014883
11	731	DJZIg12gedFIT	NotS	2E-08	0.00012248	Inf	-7.323418	0.00015387
12	732	DJZIg21gedFIT	NotS	2E-08	0.00011288	Inf	-7.333295	0.00014883
13	733	DJZIi11gedFIT	NotS	2E-08	0.00012208	Inf	-7.320483	0.00015512
14	734	DJZIi22gedFIT	NotS	2E-08	0.00012612	Inf	-7.315878	0.00015779
15	735	DJZIi12gedFIT	NotS	2E-08	0.00012613	Inf	-7.31587	0.00015779
16	736	DJZIi21gedFIT	NotS	2E-08	0.00012077	Inf	-7.321939	0.00015431
17	737	DJZIc11gedFIT	NotS	3E-08	0.00010731	Inf	-7.282325	0.0001605
18	738	DJZIc22gedFIT	NotS	2E-08	0.00010575	Inf	-7.29684	0.00015762
19	739	DJZIc12gedFIT	NotS	3E-08	0.00010937	Inf	-7.265476	0.00016351
20	740	DJZIc21gedFIT	NotS	2E-08	0.00010606	Inf	-7.294813	0.00015804
21	741	DJZIs11stdFIT	NotS	4E-08	0.00017909	Inf	-7.240328	0.00020923
22	742	DJZIs22stdFIT	NotS	6E-08	0.00021419	Inf	-7.192257	0.0002479
23	743	DJZIs12stdFIT	NotS	6E-08	0.0002142	Inf	-7.192242	0.00024791
24	744	DJZIs21stdFIT	NotS	4E-08	0.0001792	Inf	-7.240167	0.00020936
25	745	DJZIe11stdFIT	NotS	1E-07	0.00030176	Inf	-7.090218	0.00032705
26	746	DJZIe22stdFIT	S	8E-08	0.0002581	Inf	-7.1436	0.00028202
27	747	DJZIe12stdFIT	NotS	5E-08	0.00020069	Inf	-7.217116	0.00022454
28	748	DJZIe21stdFIT	S	6E-08	0.00022346	Inf	-7.187086	0.00024751
29	749	DJZIg11stdFIT	NotS	5E-08	0.00019981	Inf	-7.212375	0.00023052
30	750	DJZIg22stdFIT	NotS	5E-08	0.00018367	Inf	-7.234282	0.00021365
31	751	DJZIg12stdFIT	NotS	8E-08	0.00024146	Inf	-7.1571	0.00027723

32	752	DJZlg21stdFIT	NotS	5E-08	0.00018688	Inf	-7.229933	0.00021699
33	753	DJZli11stdFIT	NotS	5E-08	0.00018909	Inf	-7.225898	0.00022078
34	754	DJZli22stdFIT	NotS	7E-08	0.000223	Inf	-7.180546	0.00025818
35	755	DJZli12stdFIT	NotS	7E-08	0.00022293	Inf	-7.180628	0.00025812
36	756	DJZli21stdFIT	NotS	5E-08	0.00018779	Inf	-7.227655	0.00021941
37	757	DJZlc11stdFIT	NotS	3E-08	0.00010628	Inf	-7.291174	0.00015875
38	758	DJZlc22stdFIT	NotS	3E-08	0.00010855	Inf	-7.27254	0.00016228
39	759	DJZlc12stdFIT	NotS	3E-08	0.00010728	Inf	-7.283285	0.00016027
40	760	DJZlc21stdFIT	NotS	3E-08	0.00010618	Inf	-7.291819	0.00015864
41	761	DJZls11norFIT	S	2E-08	0.00010399	Inf	-7.346142	0.00014411
42	762	DJZls22norFIT	NotS	2E-08	0.00010512	Inf	-7.345814	0.0001441
43	763	DJZls12norFIT	NotS	2E-08	0.0001044	Inf	-7.346208	0.00014403
44	764	DJZls21norFIT	NotS	2E-08	0.00010474	Inf	-7.345629	0.00014422
45	765	DJZle11norFIT	S	3E-08	0.00012991	Inf	-7.305822	0.00016276
46	766	DJZle22norFIT	NotS	3E-08	0.00012559	Inf	-7.308809	0.00016018
47	767	DJZle12norFIT	S	3E-08	0.0001299	Inf	-7.305433	0.00016289
48	768	DJZle21norFIT	NotS	3E-08	0.0001252	Inf	-7.309371	0.00015986
49	769	DJZlg11norFIT	NotS	2E-08	0.00011329	Inf	-7.337107	0.00014728
50	770	DJZlg22norFIT	NotS	2E-08	0.00011271	Inf	-7.335787	0.00014784
51	771	DJZlg12norFIT	S	2E-08	0.00011547	Inf	-7.333913	0.0001487
52	772	DJZlg21norFIT	NotS	2E-08	0.00011172	Inf	-7.336933	0.00014735
53	773	DJZli11norFIT	NotS	3E-08	0.0001282	Inf	-7.31379	0.00015908
54	774	DJZli22norFIT	NotS	3E-08	0.00012812	Inf	-7.314019	0.00015895
55	775	DJZli12norFIT	NotS	3E-08	0.00012848	Inf	-7.313523	0.00015924
56	776	DJZli21norFIT	NotS	3E-08	0.00012722	Inf	-7.315191	0.00015827
57	777	DJZlc11norFIT	NotS	2E-08	0.00010398	Inf	-7.306662	0.00015549
58	778	DJZlc22norFIT	NotS	2E-08	0.00010383	Inf	-7.305839	0.00015559
59	779	DJZlc12norFIT	NotS	2E-08	0.0001039	Inf	-7.319835	0.00015231
60	780	DJZlc21norFIT	NotS	2E-08	0.00010395	Inf	-7.319217	0.00015247
1	781	DJLHs11gedFIT	NotS	4E-07	0.0006229	Inf	-6.995251	0.00064386
2	782	DJLHs22gedFIT	NotS	4E-07	0.00061854	Inf	-7.001211	0.00063947
3	783	DJLHs12gedFIT	NotS	4E-07	0.00061519	Inf	-7.005271	0.00063611
4	784	DJLHs21gedFIT	NotS	4E-07	0.00062103	Inf	-6.997465	0.00064197
5	785	DJLHe11gedFIT	S	1E-07	0.00029016	Inf	-7.534956	0.00032759
6	786	DJLHe22gedFIT	NotS	8E-08	0.00024594	Inf	-7.622145	0.00028007
7	787	DJLHe12gedFIT	S	1E-07	0.0002734	Inf	-7.578005	0.00031847
8	788	DJLHe21gedFIT	NotS	8E-08	0.00024811	Inf	-7.617145	0.00028198
9	789	DJLHg11gedFIT	NotS	3E-07	0.00053523	Inf	-7.10675	0.00055745
10	790	DJLHg22gedFIT	NotS	5E-07	0.00066761	Inf	-6.943236	0.00069099
11	791	DJLHg12gedFIT	NotS	3E-07	0.00053444	Inf	-7.109663	0.00055785
12	792	DJLHg21gedFIT	NotS	5E-07	0.0006826	Inf	-6.926869	0.00070696
13	793	DJLHi11gedFIT	NotS	7E-07	0.00080251	Inf	-6.807898	0.00083047
14	794	DJLHi22gedFIT	NotS	8E-07	0.00084771	Inf	-6.76689	0.00087725
15	795	DJLHi12gedFIT	NotS	8E-07	0.00084343	Inf	-6.77066	0.00087282
16	796	DJLHi21gedFIT	NotS	7E-07	0.00080963	Inf	-6.801278	0.00083788
17	797	DJLHc11gedFIT	NotS	1E-07	0.00031756	Inf	-7.460556	0.00034334
18	798	DJLHc22gedFIT	NotS	1E-07	0.00031424	Inf	-7.467447	0.00034026
19	799	DJLHc12gedFIT	NotS	1E-07	0.00031481	Inf	-7.466172	0.00034077
20	800	DJLHc21gedFIT	NotS	1E-07	0.00031409	Inf	-7.46773	0.00034011
21	801	DJLHs11stdFIT	NotS	1E-06	0.00099787	Inf	-6.646414	0.00103418
22	802	DJLHs22stdFIT	NotS	1E-06	0.00112638	Inf	-6.555303	0.00116872
23	803	DJLHs12stdFIT	NotS	1E-06	0.0011265	Inf	-6.555228	0.00116884
24	804	DJLHs21stdFIT	NotS	1E-06	0.00100242	Inf	-6.643032	0.00103893
25	805	DJLHe11stdFIT	S	5E-07	0.00068463	Inf	-6.954721	0.00072075
26	806	DJLHe22stdFIT	NotS	3E-06	0.00171857	Inf	-6.212459	0.00173911
27	807	DJLHe12stdFIT	S	4E-07	0.00058042	Inf	-7.090044	0.00063219
28	808	DJLHe21stdFIT	NotS	3E-06	0.00170689	Inf	-6.217708	0.00172661
29	809	DJLHg11stdFIT	NotS	1E-06	0.00097311	Inf	-6.664192	0.00100594
30	810	DJLHg22stdFIT	NotS	1E-06	0.00101882	Inf	-6.632671	0.00106011
31	811	DJLHg12stdFIT	NotS	1E-06	0.00111591	Inf	-6.560881	0.00115473
32	812	DJLHg21stdFIT	NotS	1E-06	0.00100507	Inf	-6.642933	0.00104622
33	813	DJLHi11stdFIT	NotS	1E-06	0.00109323	Inf	-6.579046	0.0011363
34	814	DJLHi22stdFIT	NotS	2E-06	0.00118669	Inf	-6.516381	0.00123418
35	815	DJLHi12stdFIT	NotS	2E-06	0.00118667	Inf	-6.516394	0.00123416
36	816	DJLHi21stdFIT	NotS	1E-06	0.00109793	Inf	-6.575824	0.00114127
37	817	DJLHc11stdFIT	NotS	2E-07	0.00043965	Inf	-7.240007	0.00046159
38	818	DJLHc22stdFIT	NotS	2E-07	0.00042858	Inf	-7.257554	0.00045048
39	819	DJLHc12stdFIT	NotS	2E-07	0.00042887	Inf	-7.257085	0.00045076
40	820	DJLHc21stdFIT	NotS	2E-07	0.00042917	Inf	-7.256627	0.00045107
41	821	DJLHs11norFIT	NotS	3E-07	0.00047917	Inf	-7.186248	0.0005028
42	822	DJLHs22norFIT	NotS	2E-07	0.00043945	Inf	-7.248738	0.00046484
43	823	DJLHs12norFIT	NotS	2E-07	0.00043829	Inf	-7.250427	0.00046364
44	824	DJLHs21norFIT	NotS	3E-07	0.00047671	Inf	-7.190012	0.00050042
45	825	DJLHe11norFIT	S	1E-07	0.00036016	Inf	-7.377479	0.00038315
46	826	DJLHe22norFIT	NotS	1E-07	0.00031152	Inf	-7.465919	0.00033347
47	827	DJLHe12norFIT	S	1E-07	0.00035425	Inf	-7.389616	0.00037888
48	828	DJLHe21norFIT	S	1E-07	0.00031238	Inf	-7.463863	0.00033422
49	829	DJLHg11norFIT	NotS	2E-07	0.00038637	Inf	-7.343771	0.00041598
50	830	DJLHg22norFIT	NotS	1E-07	0.00035335	Inf	-7.39218	0.00037798
51	831	DJLHg12norFIT	NotS	2E-07	0.0003538	Inf	-7.40482	0.00038745
52	832	DJLHg21norFIT	NotS	2E-07	0.00036507	Inf	-7.369142	0.00038866
53	833	DJLHi11norFIT	NotS	7E-07	0.00080439	Inf	-6.806189	0.00083157
54	834	DJLHi22norFIT	NotS	7E-07	0.00081694	Inf	-6.794484	0.00084489
55	835	DJLHi12norFIT	NotS	7E-07	0.00081742	Inf	-6.794047	0.00084539
56	836	DJLHi21norFIT	NotS	7E-07	0.00080527	Inf	-6.805369	0.00083248
57	837	DJLHc11norFIT	NotS	1E-07	0.00030162	Inf	-7.494731	0.00032892
58	838	DJLHc22norFIT	NotS	1E-07	0.00030017	Inf	-7.497862	0.00032759
59	839	DJLHc12norFIT	NotS	1E-07	0.00030017	Inf	-7.497866	0.00032759
60	840	DJLHc21norFIT	NotS	1E-07	0.00030017	Inf	-7.497863	0.00032759
1	841	DJNGs11gedFIT	NotS	4E-06	0.00089759	1.981059	-3.830171	0.00197111
2	842	DJNGs22gedFIT	NotS	4E-06	0.00089534	1.949809	-3.892761	0.00196929
3	843	DJNGs12gedFIT	NotS	4E-06	0.00089524	1.948371	-3.895618	0.00196921
4	844	DJNGs21gedFIT	NotS	4E-06	0.00089759	1.981072	-3.830144	0.00197111
5	845	DJNGe11gedFIT	NotS	4E-06	0.00091882	2.342805	-3.087199	0.00198918
6	846	DJNGe22gedFIT	NotS	4E-06	0.00092114	2.394192	-2.97821	0.00199151
7	847	DJNGe12gedFIT	NotS	4E-06	0.00091714	2.309949	-3.15701	0.00198774
8	848	DJNGe21gedFIT	NotS	4E-06	0.00092174	2.406401	-2.95185	0.00199201
9	849	DJNGg11gedFIT	NotS	4E-06	0.00089696	1.970978	-3.85004	0.0019705
10	850	DJNGg22gedFIT	NotS	4E-06	0.00088984	1.869019	-4.054115	0.00196411
11	851	DJNGg12gedFIT	NotS	4E-06	0.00089487	1.94154	-3.908628	0.00196876
12	852	DJNGg21gedFIT	NotS	4E-06	0.00089181	1.895275	-4.002094	0.00196579
13	853	DJNGi11gedFIT	NotS	4E-06	0.00092262	2.380356	-3.004191	0.00198964
14	854	DJNGi22gedFIT	NotS	4E-06	0.00092031	2.33468	-3.101914	0.00198765
15	855	DJNGi12gedFIT	NotS	4E-06	0.00092029	2.334363	-3.102591	0.00198763
16	856	DJNGi21gedFIT	NotS	4E-06	0.00092261	2.380247	-3.004425	0.00198964
17	857	DJNGc11gedFIT	NotS	4E-06	0.00088651	1.831029	-4.138306	0.00196144
18	858	DJNGc22gedFIT	NotS	4E-06	0.00088626	1.827676	-4.144909	0.0019612
19	859	DJNGc12gedFIT	NotS	4E-06	0.00088651	1.831031	-4.138301	0.00196144
20	860	DJNGc21gedFIT	NotS	4E-06	0.00088651	1.831104	-4.138153	0.00196144
21	861	DJNGs11stdFIT	NotS	4E-06	0.00086976	1.610321	-4.561496	0.00194274
22	862	DJNGs22stdFIT	NotS	4E-06	0.00086497	1.563194	-4.65318	0.00193817
23	863	DJNGs12stdFIT	NotS	4E-06	0.00086498	1.563263	-4.653049	0.00193818
24	864	DJNGs21stdFIT	NotS	4E-06	0.00086977	1.610345	-4.561448	0.00194275
25	865	DJNGe11stdFIT	NotS	4E-06	0.00091514	2.26627	-3.24537	0.00198572
26	866	DJNGe22stdFIT	NotS	4E-06	0.00091587	2.28084	-3.216855	0.00198656
27	867	DJNGe12stdFIT	NotS	4E-06	0.00091356	2.237087	-3.306496	0.00198433
28	868	DJNGe21stdFIT	S	4E-06	0.00091662	2.295588	-3.185541	0.00198723
29	869	DJNGg11stdFIT	NotS	4E-06	0.0008685	1.593972	-4.595505	0.00194087
30	870	DJNGg22stdFIT	NotS	4E-06	0.00085163	1.442338	-4.902003	0.00192357
31	871	DJNGg12stdFIT	NotS	4E-06	0.00086274	1.53703	-4.70765	0.00193502
32	872	DJNGg21stdFIT	NotS	4E-06	0.00085686	1.485451	-4.815457	0.00192896
33	873	DJNGi11stdFIT	NotS	4E-06	0.00086451	1.542936	-4.721842	0.00193344
34	874	DJNGi22stdFIT	NotS	4E-06	0.00085858	1.488799	-4.832317	0.00192711
35	875	DJNGi12stdFIT	NotS	4E-06	0.00085859	1.488926	-4.832054	0.00192713
36	876	DJNGi21stdFIT	NotS	4E-06	0.00086453	1.543115	-4.721479	0.00193346
37	877	DJNGc11stdFIT	NotS	4E-06	0.00084828	1.438984	-4.910624	0.00192411

38	878	DJNGc22stdFIT	NotS	4E-06	0.00084821	1.438465	-4.911617	0.00192405
39	879	DJNGc12stdFIT	NotS	4E-06	0.00084758	1.43367	-4.921211	0.00192341
40	880	DJNGc21stdFIT	NotS	4E-06	0.00084831	1.439242	-4.910042	0.00192415
41	881	DJNGs11norFIT	NotS	4E-06	0.00090025	2.017531	-3.756603	0.00197311
42	882	DJNGs22norFIT	NotS	4E-06	0.00089882	1.996877	-3.798269	0.00197197
43	883	DJNGs12norFIT	NotS	4E-06	0.00089882	1.996899	-3.798224	0.00197197
44	884	DJNGs21norFIT	NotS	4E-06	0.00090009	2.014352	-3.762877	0.00197292
45	885	DJNGe11norFIT	NotS	4E-06	0.0008835	1.760365	-4.272092	0.0019547
46	886	DJNGe22norFIT	NotS	4E-06	0.00089281	1.883443	-4.027766	0.00196393
47	887	DJNGe12norFIT	S	4E-06	0.00088267	1.750896	-4.29023	0.001954
48	888	DJNGe21norFIT	NotS	4E-06	0.00089275	1.882476	-4.029708	0.00196386
49	889	DJNGg11norFIT	NotS	4E-06	0.00090053	2.023421	-3.74521	0.00197349
50	890	DJNGg22norFIT	NotS	4E-06	0.00089631	1.962332	-3.8692	0.00196999
51	891	DJNGg12norFIT	NotS	4E-06	0.00089928	2.005932	-3.780666	0.00197253
52	892	DJNGg21norFIT	NotS	4E-06	0.00089713	1.972395	-3.848586	0.00197056
53	893	DJNGi11norFIT	NotS	4E-06	0.00093023	2.545508	-2.643485	0.00199638
54	894	DJNGi22norFIT	NotS	4E-06	0.00093099	2.563413	-2.603465	0.00199709
55	895	DJNGi12norFIT	NotS	4E-06	0.00093142	2.573202	-2.581772	0.00199745
56	896	DJNGi21norFIT	NotS	4E-06	0.00093068	2.555621	-2.621141	0.00199677
57	897	DJNGc11norFIT	NotS	4E-06	0.00090355	2.076996	-3.641149	0.0019766
58	898	DJNGc22norFIT	NotS	4E-06	0.0009044	2.090447	-3.613727	0.00197732
59	899	DJNGc12norFIT	NotS	4E-06	0.00090376	2.080302	-3.634385	0.00197678
60	900	DJNGc21norFIT	NotS	4E-06	0.0009044	2.090448	-3.613723	0.00197732
1	901	DJPEs11gedFIT	NotS	2E-07	0.00025764	0.9822994	-6.307692	0.0004521
2	902	DJPEs22gedFIT	NotS	2E-07	0.00025598	0.9612155	-6.334381	0.00045056
3	903	DJPEs12gedFIT	NotS	2E-07	0.00025596	0.9609618	-6.334721	0.00045054
4	904	DJPEs21gedFIT	NotS	2E-07	0.00025756	0.9812121	-6.309107	0.00045202
5	905	DJPEe11gedFIT	S	2E-07	0.00029247	1.622408	-5.430966	0.00048249
6	906	DJPEe22gedFIT	NotS	2E-07	0.00029416	1.667997	-5.364196	0.00048393
7	907	DJPEe12gedFIT	S	2E-07	0.00029256	1.624286	-5.428312	0.00048255
8	908	DJPEe21gedFIT	NotS	2E-07	0.00029422	1.669772	-5.3616	0.00048399
9	909	DJPEg11gedFIT	NotS	2E-07	0.00025886	0.9976059	-6.295162	0.00045289
10	910	DJPEg22gedFIT	NotS	2E-07	0.000258	0.9862937	-6.309136	0.00045212
11	911	DJPEg12gedFIT	NotS	2E-07	0.00025591	0.9592862	-6.343071	0.00045015
12	912	DJPEg21gedFIT	NotS	2E-07	0.00025819	0.9888428	-6.305849	0.0004523
13	913	DJPEi11gedFIT	NotS	2E-07	0.00025207	0.9123627	-6.398401	0.00044662
14	914	DJPEi22gedFIT	NotS	2E-07	0.00025118	0.9012922	-6.412161	0.00044571
15	915	DJPEi12gedFIT	NotS	2E-07	0.00025117	0.9012656	-6.412194	0.00044571
16	916	DJPEi21gedFIT	NotS	2E-07	0.00025206	0.9122973	-6.398549	0.00044661
17	917	DJPEc11gedFIT	NotS	2E-07	0.00027636	1.277822	-5.919745	0.00046908
18	918	DJPEc22gedFIT	NotS	2E-07	0.00027613	1.273564	-5.925514	0.00046888
19	919	DJPEc12gedFIT	NotS	2E-07	0.00027619	1.27457	-5.92415	0.00046892
20	920	DJPEc21gedFIT	NotS	2E-07	0.00027614	1.273658	-5.925386	0.00046888
21	921	DJPEs11stdFIT	NotS	2E-07	0.00023872	0.7536892	-6.609875	0.00042998
22	922	DJPEs22stdFIT	NotS	2E-07	0.00023615	0.7262444	-6.647193	0.00042618
23	923	DJPEs12stdFIT	NotS	2E-07	0.000236	0.7247477	-6.649336	0.00042595
24	924	DJPEs21stdFIT	NotS	2E-07	0.00023843	0.7507385	-6.613901	0.00042958
25	925	DJPEe11stdFIT	S	2E-07	0.00023496	0.7247514	-6.68872	0.00042144
26	926	DJPEe22stdFIT	NotS	2E-07	0.00024171	0.7972694	-6.575507	0.00043334
27	927	DJPEe12stdFIT	S	2E-07	0.00023596	0.7332109	-6.668705	0.00042382
28	928	DJPEe21stdFIT	NotS	2E-07	0.00024183	0.7986096	-6.573595	0.00043351
29	929	DJPEg11stdFIT	NotS	2E-07	0.00024542	0.8336532	-6.509078	0.00043887
30	930	DJPEg22stdFIT	NotS	2E-07	0.00024469	0.8250765	-6.51973	0.00043803
31	931	DJPEg12stdFIT	NotS	2E-07	0.00024216	0.7947293	-6.559038	0.0004347
32	932	DJPEg21stdFIT	NotS	2E-07	0.00024487	0.8273094	-6.516806	0.00043826
33	933	DJPEi11stdFIT	NotS	2E-07	0.00023476	0.7137215	-6.667299	0.00042398
34	934	DJPEi22stdFIT	NotS	2E-07	0.00023398	0.7053087	-6.678086	0.00042277
35	935	DJPEi12stdFIT	NotS	2E-07	0.00023392	0.7046757	-6.679036	0.00042266
36	936	DJPEi21stdFIT	NotS	2E-07	0.00023472	0.7132911	-6.667936	0.00042391
37	937	DJPEc11stdFIT	NotS	2E-07	0.00027377	1.230623	-5.983548	0.00046682
38	938	DJPEc22stdFIT	NotS	2E-07	0.00027378	1.230942	-5.983128	0.00046683
39	939	DJPEc12stdFIT	NotS	2E-07	0.00027301	1.217159	-6.001573	0.00046615
40	940	DJPEc21stdFIT	NotS	2E-07	0.00027322	1.22085	-5.996612	0.00046634
41	941	DJPEs11norFIT	NotS	2E-07	0.00025153	0.9053627	-6.407379	0.00044605
42	942	DJPEs22norFIT	NotS	2E-07	0.00025152	0.905085	-6.407565	0.00044604
43	943	DJPEs12norFIT	NotS	2E-07	0.00025171	0.9074135	-6.404544	0.00044624
44	944	DJPEs21norFIT	NotS	2E-07	0.00025145	0.9043346	-6.40874	0.00044596
45	945	DJPEe11norFIT	S	2E-07	0.00024345	0.8035441	-6.535847	0.00043564
46	946	DJPEe22norFIT	NotS	2E-07	0.00024952	0.8805885	-6.432796	0.00044367
47	947	DJPEe12norFIT	S	2E-07	0.00024089	0.7724103	-6.578471	0.00043187
48	948	DJPEe21norFIT	NotS	2E-07	0.0002489	0.8722493	-6.443534	0.00044297
49	949	DJPEg11norFIT	NotS	2E-07	0.00025312	0.9254048	-6.388146	0.0004474
50	950	DJPEg22norFIT	NotS	2E-07	0.00025038	0.892319	-6.429683	0.00044465
51	951	DJPEg12norFIT	NotS	2E-07	0.00025026	0.8909259	-6.431554	0.00044453
52	952	DJPEg21norFIT	NotS	2E-07	0.00025286	0.9224249	-6.392066	0.00044716
53	953	DJPEi11norFIT	NotS	2E-07	0.00024677	0.8468476	-6.483745	0.00044066
54	954	DJPEi22norFIT	NotS	2E-07	0.0002466	0.844629	-6.48646	0.00044046
55	955	DJPEi12norFIT	NotS	2E-07	0.00024657	0.8442832	-6.486921	0.00044043
56	956	DJPEi21norFIT	NotS	2E-07	0.00024707	0.8507752	-6.47863	0.00044104
57	957	DJPEc11norFIT	NotS	2E-07	0.00027753	1.298447	-5.891936	0.00047001
58	958	DJPEc22norFIT	NotS	2E-07	0.00027736	1.295307	-5.896212	0.00046987
59	959	DJPEc12norFIT	NotS	2E-07	0.00027736	1.295308	-5.896211	0.00046987
60	960	DJPEc21norFIT	NotS	2E-07	0.00027736	1.295308	-5.896211	0.00046987
1	961	DJSOs11gedFIT	NotS	8E-09	6.0086E-05	0.7508443	-8.34184	8.9786E-05
2	962	DJSOs22gedFIT	NotS	8E-09	5.8384E-05	0.7170642	-8.347318	8.9216E-05
3	963	DJSOs12gedFIT	NotS	8E-09	5.8284E-05	0.7149222	-8.347642	8.9185E-05
4	964	DJSOs21gedFIT	NotS	8E-09	6.0605E-05	0.7613538	-8.33989	8.9996E-05
5	965	DJSOe11gedFIT	NotS	8E-09	5.7042E-05	0.6924032	-8.350409	8.8822E-05
6	966	DJSOe22gedFIT	NotS	8E-09	5.6085E-05	0.6762103	-8.351365	8.8693E-05
7	967	DJSOe12gedFIT	NotS	8E-09	5.6178E-05	0.6705696	-8.353307	8.8617E-05
8	968	DJSOe21gedFIT	S	8E-09	5.6107E-05	0.6766279	-8.351309	8.8698E-05
9	969	DJSOg11gedFIT	NotS	8E-09	6.1927E-05	0.7928152	-8.332687	9.0657E-05
10	970	DJSOg22gedFIT	NotS	8E-09	6.3859E-05	0.8362484	-8.322024	9.1844E-05
11	971	DJSOg12gedFIT	NotS	8E-09	6.0166E-05	0.756798	-8.340027	8.9879E-05
12	972	DJSOg21gedFIT	NotS	8E-09	6.2978E-05	0.821014	-8.325003	9.1458E-05
13	973	DJSOi11gedFIT	NotS	2E-08	0.00013246	1.877824	-8.066602	0.00014874
14	974	DJSOi22gedFIT	NotS	2E-08	0.00013566	1.921058	-8.056194	0.00015198
15	975	DJSOi12gedFIT	NotS	2E-08	0.00013547	1.918592	-8.056793	0.0001518
16	976	DJSOi21gedFIT	NotS	2E-08	0.00013232	1.875996	-8.067045	0.0001486
17	977	DJSOc11gedFIT	NotS	8E-09	6.1537E-05	0.7836983	-8.334143	9.0517E-05
18	978	DJSOc22gedFIT	NotS	8E-09	6.1583E-05	0.7845582	-8.333977	9.0536E-05
19	979	DJSOc12gedFIT	NotS	8E-09	6.1612E-05	0.7851268	-8.333825	9.0554E-05
20	980	DJSOc21gedFIT	NotS	8E-09	6.1606E-05	0.7849898	-8.333887	9.0546E-05
21	981	DJSOs11stdFIT	NotS	5E-08	0.00019899	2.692559	-7.876206	0.00021761
22	982	DJSOs22stdFIT	NotS	6E-08	0.00022521	2.98129	-7.812452	0.00024634
23	983	DJSOs12stdFIT	NotS	6E-08	0.00022531	2.982418	-7.812208	0.00024646
24	984	DJSOs21stdFIT	NotS	5E-08	0.000199	2.6926	-7.876196	0.00021761
25	985	DJSOe11stdFIT	NotS	1E-08	8.9049E-05	1.252253	-8.223324	0.00010888
26	986	DJSOe22stdFIT	NotS	1E-08	9.7675E-05	1.380943	-8.190457	0.00011588
27	987	DJSOe12stdFIT	NotS	1E-08	8.7007E-05	1.217024	-8.232329	0.00010731
28	988	DJSOe21stdFIT	S	1E-08	9.7687E-05	1.381158	-8.190404	0.00011589
29	989	DJSOg11stdFIT	NotS	4E-08	0.0001789	2.461843	-7.929288	0.00019721
30	990	DJSOg22stdFIT	NotS	4E-08	0.00018765	2.565261	-7.906224	0.00020715
31	991	DJSOg12stdFIT	NotS	5E-08	0.00020515	2.762443	-7.861328	0.00022527
32	992	DJSOg21stdFIT	NotS	4E-08	0.00018761	2.564979	-7.906338	0.00020714
33	993	DJSOi11stdFIT	NotS	6E-08	0.00022056	2.930817	-7.823568	0.00024144
34	994	DJSOi22stdFIT	NotS	7E-08	0.00023835	3.120196	-7.78248	0.00026112
35	995	DJSOi12stdFIT	NotS	7E-08	0.00023834	3.120093	-7.782502	0.0002611
36	996	DJSOi21stdFIT	NotS	6E-08	0.00022056	2.930851	-7.823561	0.00024144
37	997	DJSOc11stdFIT	NotS	2E-08	0.00010592	1.507802	-8.158058	0.00012317
38	998	DJSOc22stdFIT	NotS	2E-08	0.00010588	1.507192	-8.158211	0.00012313
39	999	DJSOc12stdFIT	NotS	2E-08	0.00010592	1.50785	-8.158047	0.00012317
40	1000	DJSOc21stdFIT	NotS	2E-08	0.00010587	1.507056	-8.158245	0.00012312
41	1001	DJSOs11norFIT	NotS	8E-09	6.3377E-05	0.8176312	-8.327305	9.138E-05
42	1002	DJSOs22norFIT	NotS	8E-09	5.9333E-05	0.7401077	-8.34159	8.9741E-05
43	1003	DJSOs12norFIT	NotS	8E-09	5.9335E-05	0.7401463	-8.34158	8.9742E-05

44	1004	DJSOs21norFIT	NotS	8E-09	6.3377E-05	0.8176289	-8.327306	9.138E-05
45	1005	DJSOe11norFIT	S	1E-08	9.5708E-05	1.366207	-8.19271	0.00011556
46	1006	DJSOe22norFIT	S	1E-08	8.5792E-05	1.2131	-8.229674	0.00010757
47	1007	DJSOe12norFIT	NotS	1E-08	8.7704E-05	1.242145	-8.22371	0.0001086
48	1008	DJSOe21norFIT	S	1E-08	8.5541E-05	1.209355	-8.230556	0.0001074
49	1009	DJSOg11norFIT	NotS	9E-09	6.5637E-05	0.8650325	-8.316106	9.2656E-05
50	1010	DJSOg22norFIT	NotS	8E-09	6.1054E-05	0.7835686	-8.331796	9.0637E-05
51	1011	DJSOg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	1012	DJSOg21norFIT	NotS	8E-09	6.0215E-05	0.7681691	-8.334366	9.0335E-05
53	1013	DJSOi11norFIT	NotS	3E-08	0.00014861	2.090353	-8.015764	0.00016543
54	1014	DJSOi22norFIT	NotS	3E-08	0.00015186	2.132337	-8.005851	0.00016876
55	1015	DJSOi12norFIT	NotS	3E-08	0.00015203	2.134444	-8.005355	0.00016893
56	1016	DJSOi21norFIT	NotS	3E-08	0.00014861	2.090352	-8.015765	0.00016543
57	1017	DJSOc11norFIT	NotS	8E-09	5.845E-05	0.7205475	-8.345129	8.9352E-05
58	1018	DJSOc22norFIT	NotS	8E-09	5.8449E-05	0.720527	-8.345131	8.9352E-05
59	1019	DJSOc12norFIT	NotS	8E-09	5.8583E-05	0.7234486	-8.344525	8.9409E-05
60	1020	DJSOc21norFIT	NotS	8E-09	5.8453E-05	0.7207105	-8.345004	8.9362E-05
1	1021	SEFPs11gedFIT	S	2E-08	9.3848E-05	0.7388731	-7.774877	0.00015797
2	1022	SEFPs22gedFIT	NotS	2E-08	9.3915E-05	0.7408428	-7.780903	0.00015735
3	1023	SEFPs12gedFIT	NotS	2E-08	9.3933E-05	0.7411932	-7.780984	0.00015734
4	1024	SEFPs21gedFIT	NotS	2E-08	9.3828E-05	0.7384511	-7.774581	0.00015801
5	1025	SEFPe11gedFIT	S	3E-08	9.0719E-05	0.6830231	-7.754834	0.00016037
6	1026	SEFPe22gedFIT	NotS	3E-08	9.1547E-05	0.696004	-7.752328	0.00016046
7	1027	SEFPe12gedFIT	S	3E-08	9.0849E-05	0.6859453	-7.75064	0.0001607
8	1028	SEFPe21gedFIT	NotS	3E-08	9.1528E-05	0.6957072	-7.752349	0.00016046
9	1029	SEFPg11gedFIT	NotS	2E-08	9.2554E-05	0.7177523	-7.791333	0.00015644
10	1030	SEFPg22gedFIT	NotS	2E-08	9.4463E-05	0.7577969	-7.794141	0.00015573
11	1031	SEFPg12gedFIT	NotS	2E-08	9.2992E-05	0.7283274	-7.796729	0.00015572
12	1032	SEFPg21gedFIT	NotS	2E-08	9.4838E-05	0.7644037	-7.792403	0.00015589
13	1033	SEFPi11gedFIT	NotS	7E-08	0.00021073	1.777026	-7.591164	0.00025897
14	1034	SEFPi22gedFIT	NotS	7E-08	0.0002173	1.821263	-7.581304	0.00026623
15	1035	SEFPi12gedFIT	NotS	7E-08	0.00021803	1.826312	-7.580137	0.00026703
16	1036	SEFPi21gedFIT	NotS	7E-08	0.00021025	1.773684	-7.591935	0.00025844
17	1037	SEFPc11gedFIT	NotS	2E-08	0.00010076	0.8600579	-7.782513	0.00015686
18	1038	SEFPc22gedFIT	NotS	2E-08	0.00010011	0.8499832	-7.782434	0.00015685
19	1039	SEFPc12gedFIT	NotS	2E-08	0.00010043	0.8551071	-7.782527	0.00015684
20	1040	SEFPc21gedFIT	NotS	3E-08	9.4932E-05	0.7550359	-7.760422	0.00015939
21	1041	SEFPs11stdFIT	NotS	3E-06	0.00163629	7.759738	-6.400326	0.00186378
22	1042	SEFPs22stdFIT	NotS	5E-06	0.00190761	8.475096	-6.284337	0.00218132
23	1043	SEFPs12stdFIT	NotS	5E-06	0.00191388	8.491353	-6.281714	0.00218852
24	1044	SEFPs21stdFIT	NotS	4E-06	0.00164676	7.789701	-6.395313	0.00187569
25	1045	SEFPe11stdFIT	S	7E-08	0.00024916	2.246069	-7.486792	0.00027181
26	1046	SEFPe22stdFIT	NotS	6E-08	0.00022454	2.065825	-7.529556	0.00024906
27	1047	SEFPe12stdFIT	S	1E-07	0.00029307	2.571204	-7.41004	0.00031323
28	1048	SEFPe21stdFIT	NotS	6E-08	0.00021777	2.014133	-7.541974	0.00024302
29	1049	SEFPg11stdFIT	NotS	3E-06	0.0014799	7.221605	-6.496107	0.0016995
30	1050	SEFPg22stdFIT	NotS	7E-07	0.00073543	4.702641	-6.951252	0.00082822
31	1051	SEFPg12stdFIT	NotS	3E-06	0.00153237	7.368017	-6.471958	0.00176404
32	1052	SEFPg21stdFIT	NotS	5E-07	0.00063077	4.25242	-7.041039	0.00070801
33	1053	SEFPi11stdFIT	NotS	4E-06	0.00173841	8.012753	-6.360812	0.00199509
34	1054	SEFPi22stdFIT	NotS	5E-06	0.00197742	8.631679	-6.260792	0.00227191
35	1055	SEFPi12stdFIT	NotS	5E-06	0.00197732	8.631439	-6.26083	0.0022718
36	1056	SEFPi21stdFIT	NotS	4E-06	0.0017494	8.042895	-6.355838	0.00200772
37	1057	SEFPc11stdFIT	NotS	2E-07	0.00038249	3.094516	-7.285412	0.00040805
38	1058	SEFPc22stdFIT	NotS	1E-07	0.0003528	2.912813	-7.326979	0.00037742
39	1059	SEFPc12stdFIT	NotS	1E-07	0.00029507	2.529929	-7.41609	0.0003198
40	1060	SEFPc21stdFIT	NotS	1E-07	0.00035173	2.905943	-7.32856	0.00037632
41	1061	SEFPs11norFIT	S	3E-08	9.3322E-05	0.7283453	-7.751888	0.00016028
42	1062	SEFPs22norFIT	NotS	3E-08	9.3124E-05	0.724453	-7.75699	0.00015987
43	1063	SEFPs12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
44	1064	SEFPs21norFIT	NotS	3E-08	9.3308E-05	0.7281372	-7.75145	0.00016032
45	1065	SEFPe11norFIT	S	2E-08	9.1888E-05	0.7100265	-7.800624	0.00015549
46	1066	SEFPe22norFIT	NotS	2E-08	9.1824E-05	0.7093133	-7.799644	0.00015561
47	1067	SEFPe12norFIT	S	2E-08	9.2E-05	0.7134295	-7.801881	0.0001553
48	1068	SEFPe21norFIT	NotS	2E-08	9.1831E-05	0.7093666	-7.799437	0.00015563
49	1069	SEFPg11norFIT	NotS	3E-08	9.1931E-05	0.7024525	-7.766931	0.00015909
50	1070	SEFPg22norFIT	NotS	3E-08	9.1991E-05	0.7035962	-7.764776	0.00015927
51	1071	SEFPg12norFIT	NotS	3E-08	9.1932E-05	0.702511	-7.765484	0.00015922
52	1072	SEFPg21norFIT	NotS	3E-08	9.2001E-05	0.7037354	-7.764569	0.00015929
53	1073	SEFPi11norFIT	NotS	2E-08	9.7141E-05	0.8024741	-7.774426	0.00015784
54	1074	SEFPi22norFIT	NotS	5E-08	0.00017647	1.526131	-7.649269	0.00022277
55	1075	SEFPi12norFIT	NotS	5E-08	0.00016884	1.474087	-7.661422	0.00021463
56	1076	SEFPi21norFIT	NotS	2E-08	9.6889E-05	0.7967488	-7.773155	0.00015798
57	1077	SEFPc11norFIT	NotS	3E-08	9.3416E-05	0.7330296	-7.72588	0.00016247
58	1078	SEFPc22norFIT	NotS	3E-08	9.3393E-05	0.7337921	-7.714072	0.00016336
59	1079	SEFPc12norFIT	NotS	3E-08	9.3433E-05	0.7342405	-7.717333	0.00016312
60	1080	SEFPc21norFIT	NotS	3E-08	9.33E-05	0.7322192	-7.715486	0.00016326
1	1081	SEECs11gedFIT	S	3E-09	3.5578E-05	0.6885371	-8.762275	5.5347E-05
2	1082	SEECs22gedFIT	NotS	3E-09	3.6223E-05	0.7086955	-8.761019	5.5443E-05
3	1083	SEECs12gedFIT	NotS	3E-09	3.6232E-05	0.7090101	-8.760995	5.5444E-05
4	1084	SEECs21gedFIT	NotS	3E-09	3.5279E-05	0.6796015	-8.7631	5.5286E-05
5	1085	SEECe11gedFIT	S	3E-09	3.4139E-05	0.6524508	-8.760551	5.5356E-05
6	1086	SEECe22gedFIT	NotS	3E-09	3.4112E-05	0.6530948	-8.759583	5.5431E-05
7	1087	SEECe12gedFIT	S	3E-09	3.4024E-05	0.6470678	-8.760522	5.5354E-05
8	1088	SEECe21gedFIT	NotS	3E-09	3.4158E-05	0.6545364	-8.759526	5.5438E-05
9	1089	SEECg11gedFIT	NotS	3E-09	3.7078E-05	0.7356403	-8.757001	5.5728E-05
10	1090	SEECg22gedFIT	NotS	3E-09	4.1213E-05	0.8498204	-8.73624	5.7553E-05
11	1091	SEECg12gedFIT	NotS	3E-09	3.7435E-05	0.7459105	-8.755427	5.5854E-05
12	1092	SEECg21gedFIT	NotS	3E-09	4.0857E-05	0.8404243	-8.738009	5.7374E-05
13	1093	SEECi11gedFIT	NotS	5E-09	5.1871E-05	1.126382	-8.629345	6.9114E-05
14	1094	SEECi22gedFIT	NotS	6E-09	5.7083E-05	1.250968	-8.602476	7.4198E-05
15	1095	SEECi12gedFIT	NotS	9E-09	7.5729E-05	1.660387	-8.530292	9.4548E-05
16	1096	SEECi21gedFIT	NotS	5E-09	5.3042E-05	1.154562	-8.625013	7.019E-05
17	1097	SEECc11gedFIT	NotS	3E-09	3.6565E-05	0.7181755	-8.74835	5.6235E-05
18	1098	SEECc22gedFIT	NotS	3E-09	3.3745E-05	0.6314394	-8.744905	5.6141E-05
19	1099	SEECc12gedFIT	NotS	3E-09	3.9644E-05	0.8093963	-8.737019	5.7381E-05
20	1100	SEECc21gedFIT	NotS	3E-09	3.6784E-05	0.7246026	-8.747646	5.6302E-05
21	1101	SEECs11stdFIT	NotS	4E-05	0.00568317	22.92773	-5.408553	0.00651717
22	1102	SEECs22stdFIT	NotS	4E-05	0.00568007	22.92343	-5.408963	0.00651319
23	1103	SEECs12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
24	1104	SEECs21stdFIT	NotS	4E-05	0.00568519	22.93093	-5.408219	0.00651951
25	1105	SEECe11stdFIT	NotS	7E-09	7.5637E-05	1.656737	-8.542225	8.4297E-05
26	1106	SEECe22stdFIT	NotS	2E-08	0.0001474	2.94917	-8.229755	0.00015321
27	1107	SEECe12stdFIT	S	8E-09	7.873E-05	1.717726	-8.526884	8.705E-05
28	1108	SEECe21stdFIT	NotS	2E-08	0.00014334	2.882854	-8.245057	0.00014918
29	1109	SEECg11stdFIT	NotS	3E-06	0.00147609	12.60854	-6.6294	0.00168733
30	1110	SEECg22stdFIT	NotS	1E-06	0.00096414	10.137	-6.97542	0.00109302
31	1111	SEECg12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
32	1112	SEECg21stdFIT	NotS	1E-06	0.00095297	10.07227	-6.985161	0.00108043
33	1113	SEECi11stdFIT	NotS	5E-05	0.00603682	23.40176	-5.363702	0.0069736
34	1114	SEECi22stdFIT	NotS	0.0001	0.00958257	27.84831	-4.92082	0.01107231
35	1115	SEECi12stdFIT	NotS	7E-05	0.00721656	25.07138	-5.192834	0.00833625
36	1116	SEECi21stdFIT	NotS	5E-05	0.00603869	23.40462	-5.363403	0.00697576
37	1117	SEECc11stdFIT	NotS	5E-07	0.0007255	8.881588	-7.104489	0.00073996
38	1118	SEECc22stdFIT	NotS	1E-08	0.00011408	2.371631	-8.364074	0.00012058
39	1119	SEECc12stdFIT	NotS	7E-09	7.8059E-05	1.696253	-8.531654	8.6358E-05
40	1120	SEECc21stdFIT	NotS	6E-07	0.00076464	9.165731	-7.059053	0.00077939
41	1121	SEECs11norFIT	NotS	3E-09	3.8686E-05	0.7697826	-8.739533	5.7065E-05
42	1122	SEECs22norFIT	NotS	3E-09	3.9471E-05	0.7917439	-8.736394	5.7413E-05
43	1123	SEECs12norFIT	S	3E-09	3.944E-05	0.7909096	-8.736606	5.7394E-05
44	1124	SEECs21norFIT	NotS	3E-09	3.8686E-05	0.769783	-8.739533	5.7065E-05
45	1125	SEECe11norFIT	NotS	3E-09	4.1112E-05	0.8488347	-8.734161	5.771E-05
46	1126	SEECe22norFIT	NotS	3E-09	3.9258E-05	0.800701	-8.745049	5.6599E-05
47	1127	SEECe12norFIT	S	3E-09	4.0917E-05	0.8436888	-8.735343	5.7585E-05
48	1128	SEECe21norFIT	NotS	3E-09	3.9214E-05	0.7999143	-8.745378	5.6562E-05
49	1129	SEECg11norFIT	NotS	3E-09	4.1748E-05	0.8559853	-8.723758	5.8743E-05

50	1130	SEECg22norFIT	NotS	3E-09	4.2178E-05	0.868339	-8.721063	5.9031E-05
51	1131	SEECg12norFIT	NotS	3E-09	4.1918E-05	0.8608608	-8.722772	5.885E-05
52	1132	SEECg21norFIT	NotS	3E-09	4.2172E-05	0.8683427	-8.720823	5.9043E-05
53	1133	SEECi11norFIT	NotS	5E-09	5.6876E-05	1.247049	-8.600582	7.4037E-05
54	1134	SEECi22norFIT	NotS	7E-09	6.3358E-05	1.392301	-8.576354	8.0682E-05
55	1135	SEECi12norFIT	NotS	7E-09	6.3358E-05	1.392296	-8.576355	8.0682E-05
56	1136	SEECi21norFIT	NotS	5E-09	5.6876E-05	1.247049	-8.600582	7.4037E-05
57	1137	SEECc11norFIT	NotS	3E-09	3.3799E-05	0.6304619	-8.744275	5.6181E-05
58	1138	SEECc22norFIT	NotS	3E-09	3.371E-05	0.628389	-8.755402	5.5718E-05
59	1139	SEECc12norFIT	NotS	3E-09	3.3784E-05	0.6300868	-8.754492	5.5764E-05
60	1140	SEECc21norFIT	NotS	3E-09	3.358E-05	0.6232759	-8.74545	5.6121E-05
1	1141	SEFLs11gedFIT	NotS	3E-09	5.4122E-05	Inf	-9.155544	5.8215E-05
2	1142	SEFLs22gedFIT	NotS	4E-09	5.8655E-05	Inf	-9.109151	6.2733E-05
3	1143	SEFLs12gedFIT	NotS	4E-09	5.8756E-05	Inf	-9.108304	6.2844E-05
4	1144	SEFLs21gedFIT	NotS	3E-09	5.3768E-05	Inf	-9.159478	5.7887E-05
5	1145	SEFLe11gedFIT	S	3E-09	4.758E-05	Inf	-9.223994	5.1908E-05
6	1146	SEFLe22gedFIT	NotS	2E-09	4.509E-05	Inf	-9.254519	4.9499E-05
7	1147	SEFLe12gedFIT	NotS	3E-09	4.6646E-05	Inf	-9.235243	5.1015E-05
8	1148	SEFLe21gedFIT	NotS	2E-09	4.5013E-05	Inf	-9.255341	4.9422E-05
9	1149	SEFLg11gedFIT	S	4E-09	5.9886E-05	Inf	-9.093619	6.3752E-05
10	1150	SEFLg22gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
11	1151	SEFLg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	1152	SEFLg21gedFIT	NotS	6E-09	7.3147E-05	Inf	-8.979039	7.739E-05
13	1153	SEFLi11gedFIT	NotS	2E-08	0.00011998	Inf	-8.705262	0.00013258
14	1154	SEFLi22gedFIT	NotS	4E-08	0.00018035	Inf	-8.43461	0.00020229
15	1155	SEFLi12gedFIT	NotS	4E-08	0.00017444	Inf	-8.45765	0.00019543
16	1156	SEFLi21gedFIT	NotS	2E-08	0.00011867	Inf	-8.71221	0.00013108
17	1157	SEFLc11gedFIT	NotS	5E-09	6.3888E-05	Inf	-9.057953	6.8E-05
18	1158	SEFLc22gedFIT	NotS	3E-09	4.8933E-05	Inf	-9.209239	5.318E-05
19	1159	SEFLc12gedFIT	NotS	3E-09	5.0098E-05	Inf	-9.196264	5.4287E-05
20	1160	SEFLc21gedFIT	NotS	5E-09	6.4248E-05	Inf	-9.05464	6.836E-05
21	1161	SEFLs11stdFIT	NotS	3E-07	0.00048997	Inf	-7.639713	0.0005453
22	1162	SEFLs22stdFIT	NotS	5E-07	0.00062616	Inf	-7.442313	0.0007033
23	1163	SEFLs12stdFIT	NotS	5E-07	0.00062553	Inf	-7.443174	0.00070259
24	1164	SEFLs21stdFIT	NotS	3E-07	0.00048912	Inf	-7.641213	0.00054434
25	1165	SEFLe11stdFIT	NotS	3E-08	0.0001709	Inf	-8.391027	0.00017435
26	1166	SEFLe22stdFIT	NotS	1E-08	0.00011828	Inf	-8.656886	0.00012225
27	1167	SEFLe12stdFIT	NotS	4E-08	0.00020115	Inf	-8.268078	0.00020444
28	1168	SEFLe21stdFIT	NotS	1E-08	0.00011831	Inf	-8.656654	0.00012229
29	1169	SEFLg11stdFIT	NotS	1E-06	0.0009406	Inf	-7.056602	0.00104673
30	1170	SEFLg22stdFIT	NotS	6E-07	0.00071737	Inf	-7.31477	0.00080257
31	1171	SEFLg12stdFIT	NotS	8E-07	0.00080323	Inf	-7.213108	0.00089942
32	1172	SEFLg21stdFIT	NotS	4E-07	0.00055405	Inf	-7.522924	0.00061229
33	1173	SEFLi11stdFIT	NotS	3E-07	0.00051726	Inf	-7.601654	0.0005799
34	1174	SEFLi22stdFIT	NotS	5E-07	0.00064963	Inf	-7.415515	0.00073289
35	1175	SEFLi12stdFIT	NotS	5E-07	0.00065412	Inf	-7.409561	0.000738
36	1176	SEFLi21stdFIT	NotS	3E-07	0.00051693	Inf	-7.602194	0.00057952
37	1177	SEFLc11stdFIT	NotS	3E-08	0.00017334	Inf	-8.392165	0.00017915
38	1178	SEFLc22stdFIT	NotS	5E-08	0.00021664	Inf	-8.224672	0.00022217
39	1179	SEFLc12stdFIT	NotS	6E-08	0.00022965	Inf	-8.179206	0.00023535
40	1180	SEFLc21stdFIT	NotS	3E-08	0.00016092	Inf	-8.447711	0.00016652
41	1181	SEFLs11norFIT	NotS	5E-09	6.7219E-05	Inf	-9.029317	7.1403E-05
42	1182	SEFLs22norFIT	NotS	5E-09	6.5061E-05	Inf	-9.047246	6.9173E-05
43	1183	SEFLs12norFIT	NotS	5E-09	6.5109E-05	Inf	-9.046806	6.9222E-05
44	1184	SEFLs21norFIT	NotS	5E-09	6.7195E-05	Inf	-9.029535	7.1379E-05
45	1185	SEFLe11norFIT	S	1E-08	0.0001105	Inf	-8.731476	0.00011751
46	1186	SEFLe22norFIT	NotS	7E-09	7.6087E-05	Inf	-8.965407	8.1273E-05
47	1187	SEFLe12norFIT	S	1E-08	0.00010463	Inf	-8.762462	0.00011072
48	1188	SEFLe21norFIT	NotS	7E-09	7.6132E-05	Inf	-8.965393	8.1387E-05
49	1189	SEFLg11norFIT	NotS	5E-09	6.9223E-05	Inf	-9.009654	7.3257E-05
50	1190	SEFLg22norFIT	NotS	6E-09	7.2147E-05	Inf	-8.985982	7.635E-05
51	1191	SEFLg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	1192	SEFLg21norFIT	NotS	7E-09	7.7885E-05	Inf	-8.942375	8.2301E-05
53	1193	SEFLi11norFIT	NotS	4E-08	0.00017154	Inf	-8.465254	0.0001915
54	1194	SEFLi22norFIT	NotS	5E-08	0.00020326	Inf	-8.347596	0.00022793
55	1195	SEFLi12norFIT	NotS	5E-08	0.00020328	Inf	-8.347532	0.00022795
56	1196	SEFLi21norFIT	NotS	4E-08	0.00017154	Inf	-8.465214	0.00019151
57	1197	SEFLc11norFIT	NotS	3E-09	5.0983E-05	Inf	-9.187055	5.5198E-05
58	1198	SEFLc22norFIT	NotS	3E-09	5.0921E-05	Inf	-9.187719	5.5138E-05
59	1199	SEFLc12norFIT	NotS	3E-09	5.0922E-05	Inf	-9.187705	5.5139E-05
60	1200	SEFLc21norFIT	NotS	3E-09	5.1134E-05	Inf	-9.185436	5.5343E-05
1	1201	SEUTs11gedFIT	NotS	5E-09	3.8754E-05	0.6141314	-8.684043	6.8067E-05
2	1202	SEUTs22gedFIT	NotS	5E-09	3.9959E-05	0.6405336	-8.683923	6.8139E-05
3	1203	SEUTs12gedFIT	NotS	5E-09	3.9799E-05	0.6367398	-8.684182	6.8112E-05
4	1204	SEUTs21gedFIT	NotS	5E-09	3.8649E-05	0.6120075	-8.683777	6.8078E-05
5	1205	SEUTe11gedFIT	S	5E-09	3.5414E-05	0.5504041	-8.66948	6.8642E-05
6	1206	SEUTe22gedFIT	NotS	5E-09	3.5481E-05	0.5544645	-8.665905	6.8793E-05
7	1207	SEUTe12gedFIT	S	5E-09	3.5173E-05	0.5440136	-8.669203	6.8662E-05
8	1208	SEUTe21gedFIT	NotS	5E-09	3.5475E-05	0.5544326	-8.665691	6.8803E-05
9	1209	SEUTg11gedFIT	NotS	5E-09	3.8674E-05	0.6087835	-8.688002	6.7765E-05
10	1210	SEUTg22gedFIT	NotS	5E-09	4.3651E-05	0.7280835	-8.675323	6.8707E-05
11	1211	SEUTg12gedFIT	NotS	5E-09	3.9066E-05	0.6171549	-8.687977	6.7764E-05
12	1212	SEUTg21gedFIT	NotS	5E-09	4.3705E-05	0.729377	-8.675128	6.8725E-05
13	1213	SEUTi11gedFIT	NotS	6E-09	4.9897E-05	0.8913188	-8.632809	7.49E-05
14	1214	SEUTi22gedFIT	NotS	6E-09	5.6616E-05	1.032855	-8.607078	8.0064E-05
15	1215	SEUTi12gedFIT	NotS	6E-09	5.6549E-05	1.031402	-8.607464	7.9993E-05
16	1216	SEUTi21gedFIT	NotS	6E-09	4.9834E-05	0.8899614	-8.633043	7.4856E-05
17	1217	SEUTc11gedFIT	S	5E-09	4.1702E-05	0.6869387	-8.677848	6.8654E-05
18	1218	SEUTc22gedFIT	NotS	5E-09	3.5382E-05	0.5462406	-8.668806	6.8735E-05
19	1219	SEUTc12gedFIT	NotS	5E-09	4.0754E-05	0.6637684	-8.679811	6.8448E-05
20	1220	SEUTc21gedFIT	NotS	5E-09	4.1339E-05	0.6779384	-8.678848	6.855E-05
21	1221	SEUTs11stdFIT	NotS	8E-08	0.00024018	3.811003	-7.990745	0.00027976
22	1222	SEUTs22stdFIT	NotS	1E-07	0.00027239	4.165625	-7.920633	0.00031848
23	1223	SEUTs12stdFIT	NotS	1E-07	0.00027227	4.164271	-7.920907	0.00031834
24	1224	SEUTs21stdFIT	NotS	8E-08	0.00024013	3.81001	-7.99102	0.00027974
25	1225	SEUTe11stdFIT	S	9E-09	8.5811E-05	1.611685	-8.463032	9.6549E-05
26	1226	SEUTe22stdFIT	NotS	2E-08	0.00014842	2.691686	-8.199187	0.00015449
27	1227	SEUTe12stdFIT	NotS	1E-08	8.9147E-05	1.674064	-8.448662	9.9698E-05
28	1228	SEUTe21stdFIT	NotS	2E-08	0.00014519	2.640575	-8.211206	0.00015137
29	1229	SEUTg11stdFIT	NotS	3E-07	0.0004557	5.965398	-7.571168	0.00052586
30	1230	SEUTg22stdFIT	NotS	1E-07	0.00031224	4.647482	-7.81322	0.00035538
31	1231	SEUTg12stdFIT	NotS	3E-07	0.00047608	6.12982	-7.542546	0.00055044
32	1232	SEUTg21stdFIT	NotS	1E-07	0.00031587	4.68595	-7.80557	0.00035945
33	1233	SEUTi11stdFIT	NotS	9E-08	0.0002555	3.980064	-7.958301	0.00029949
34	1234	SEUTi22stdFIT	NotS	1E-07	0.0002827	4.272964	-7.900577	0.0003319
35	1235	SEUTi12stdFIT	NotS	1E-07	0.00028271	4.273094	-7.90055	0.00033192
36	1236	SEUTi21stdFIT	NotS	9E-08	0.00025549	3.979631	-7.958464	0.00029953
37	1237	SEUTc11stdFIT	S	2E-08	0.00012972	2.365845	-8.288913	0.0001434
38	1238	SEUTc22stdFIT	NotS	3E-08	0.00016561	2.892269	-8.162371	0.00017756
39	1239	SEUTc12stdFIT	NotS	2E-08	0.00012185	2.237063	-8.319068	0.00013495
40	1240	SEUTc21stdFIT	NotS	2E-08	0.00012546	2.296726	-8.304563	0.00013853
41	1241	SEUTs11norFIT	NotS	5E-09	3.8267E-05	0.6048824	-8.681953	6.8164E-05
42	1242	SEUTs22norFIT	NotS	5E-09	3.8544E-05	0.6108286	-8.682188	6.8165E-05
43	1243	SEUTs12norFIT	NotS	5E-09	3.8591E-05	0.6120402	-8.681935	6.8182E-05
44	1244	SEUTs21norFIT	NotS	5E-09	3.8071E-05	0.6009178	-8.68114	6.8198E-05
45	1245	SEUTe11norFIT	S	5E-09	4.4049E-05	0.7368632	-8.674388	6.8795E-05
46	1246	SEUTe22norFIT	NotS	5E-09	4.4256E-05	0.7434154	-8.672445	6.8873E-05
47	1247	SEUTe12norFIT	S	5E-09	4.5165E-05	0.7621337	-8.670488	6.9201E-05
48	1248	SEUTe21norFIT	NotS	5E-09	4.4627E-05	0.7523478	-8.670949	6.9011E-05
49	1249	SEUTg11norFIT	NotS	5E-09	3.7295E-05	0.5802483	-8.685292	6.7928E-05
50	1250	SEUTg22norFIT	NotS	5E-09	3.805E-05	0.5983625	-8.685089	6.7936E-05
51	1251	SEUTg12norFIT	NotS	5E-09	3.7554E-05	0.5856169	-8.685954	6.7892E-05
52	1252	SEUTg21norFIT	NotS	5E-09	3.7817E-05	0.5935428	-8.684429	6.7971E-05
53	1253	SEUTi11norFIT	NotS	5E-09	4.236E-05	0.7139716	-8.649781	7.0739E-05
54	1254	SEUTi22norFIT	NotS	5E-09	4.3962E-05	0.7548149	-8.646614	7.1501E-05
55	1255	SEUTi12norFIT	NotS	5E-09	4.4108E-05	0.7584864	-8.646466	7.1571E-05

56	1256	SEUTi21norFIT	NotS	5E-09	4.1733E-05	0.6980766	-8.649878	7.0514E-05
57	1257	SEUTc11norFIT	NotS	5E-09	3.4219E-05	0.5257374	-8.608737	7.0719E-05
58	1258	SEUTc22norFIT	NotS	5E-09	3.4129E-05	0.5225614	-8.624038	7.0287E-05
59	1259	SEUTc12norFIT	NotS	5E-09	3.4144E-05	0.5232709	-8.618568	7.0448E-05
60	1260	SEUTc21norFIT	NotS	5E-09	3.4172E-05	0.5237169	-8.615682	7.0525E-05
1	1261	SETRs11gedFIT	NotS	3E-09	3.7079E-05	0.6182064	-8.563558	5.2982E-05
2	1262	SETRs22gedFIT	NotS	3E-09	3.6599E-05	0.6126052	-8.575002	5.2336E-05
3	1263	SETRs12gedFIT	NotS	3E-09	3.651E-05	0.6129211	-8.577704	5.2178E-05
4	1264	SETRs21gedFIT	NotS	3E-09	3.7397E-05	0.6199181	-8.551847	5.3571E-05
5	1265	SETRe11gedFIT	S	3E-09	3.8505E-05	0.6406468	-8.506451	5.5564E-05
6	1266	SETRe22gedFIT	NotS	3E-09	3.8887E-05	0.6533497	-8.491913	5.6101E-05
7	1267	SETRe12gedFIT	NotS	3E-09	3.8612E-05	0.6447057	-8.495618	5.5957E-05
8	1268	SETRe21gedFIT	NotS	3E-09	3.8902E-05	0.6538018	-8.491401	5.612E-05
9	1269	SETRg11gedFIT	NotS	3E-09	3.6722E-05	0.6144501	-8.575242	5.2353E-05
10	1270	SETRg22gedFIT	NotS	3E-09	4.064E-05	0.7792629	-8.59439	5.1671E-05
11	1271	SETRg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	1272	SETRg21gedFIT	NotS	3E-09	3.8828E-05	0.7303957	-8.599361	5.0958E-05
13	1273	SETRi11gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
14	1274	SETRi22gedFIT	NotS	8E-09	7.1496E-05	1.420114	-8.449426	9.0531E-05
15	1275	SETRi12gedFIT	NotS	8E-09	6.9654E-05	1.386638	-8.456593	8.8145E-05
16	1276	SETRi21gedFIT	NotS	4E-09	4.9049E-05	0.9764502	-8.537129	6.2457E-05
17	1277	SETRc11gedFIT	NotS	3E-09	3.7201E-05	0.6613397	-8.591553	5.1363E-05
18	1278	SETRc22gedFIT	NotS	3E-09	3.7182E-05	0.656719	-8.58944	5.1503E-05
19	1279	SETRc12gedFIT	NotS	3E-09	3.7225E-05	0.6646824	-8.592581	5.1299E-05
20	1280	SETRc21gedFIT	NotS	3E-09	3.7109E-05	0.6526312	-8.588766	5.1542E-05
21	1281	SETRs11stdFIT	NotS	1E-07	0.00028967	4.152939	-7.839161	0.00033933
22	1282	SETRs22stdFIT	NotS	5E-07	0.00057983	6.520389	-7.390925	0.00067354
23	1283	SETRs12stdFIT	NotS	3E-07	0.00044574	5.504363	-7.578354	0.00052128
24	1284	SETRs21stdFIT	NotS	1E-07	0.00026801	3.936493	-7.884154	0.00031502
25	1285	SETRe11stdFIT	NotS	4E-09	5.4639E-05	1.118028	-8.520007	6.1764E-05
26	1286	SETRe22stdFIT	NotS	9E-09	8.5611E-05	1.719674	-8.366322	9.2825E-05
27	1287	SETRe12stdFIT	NotS	5E-09	6.5724E-05	1.338341	-8.464752	7.2542E-05
28	1288	SETRe21stdFIT	NotS	9E-09	8.8036E-05	1.761368	-8.35564	9.5304E-05
29	1289	SETRg11stdFIT	NotS	4E-07	0.00055171	6.340636	-7.419825	0.00063765
30	1290	SETRg22stdFIT	NotS	1E-07	0.00028311	4.120291	-7.839013	0.00032583
31	1291	SETRg12stdFIT	NotS	4E-07	0.00056151	6.392484	-7.413462	0.00065224
32	1292	SETRg21stdFIT	NotS	9E-08	0.00026682	3.955886	-7.873207	0.00030768
33	1293	SETRi11stdFIT	NotS	1E-07	0.00029693	4.216874	-7.829006	0.00035058
34	1294	SETRi22stdFIT	NotS	6E-07	0.00063635	6.897684	-7.326427	0.00074162
35	1295	SETRi12stdFIT	NotS	5E-07	0.0006254	6.823722	-7.339428	0.00072908
36	1296	SETRi21stdFIT	NotS	1E-07	0.00029051	4.154777	-7.841712	0.00034329
37	1297	SETRc11stdFIT	NotS	8E-09	7.8233E-05	1.564504	-8.409399	8.719E-05
38	1298	SETRc22stdFIT	NotS	1E-08	8.931E-05	1.740365	-8.362023	9.809E-05
39	1299	SETRc12stdFIT	NotS	1E-08	9.0539E-05	1.779244	-8.353514	9.9917E-05
40	1300	SETRc21stdFIT	NotS	7E-09	7.7546E-05	1.552128	-8.412537	8.6423E-05
41	1301	SETRs11norFIT	NotS	3E-09	3.8299E-05	0.6361697	-8.513955	5.5207E-05
42	1302	SETRs22norFIT	NotS	3E-09	3.787E-05	0.6252759	-8.528216	5.4625E-05
43	1303	SETRs12norFIT	S	3E-09	3.7869E-05	0.6252525	-8.52826	5.4624E-05
44	1304	SETRs21norFIT	NotS	3E-09	3.8351E-05	0.6379766	-8.513144	5.5233E-05
45	1305	SETRe11norFIT	S	3E-09	3.6455E-05	0.6360883	-8.591986	5.1308E-05
46	1306	SETRe22norFIT	NotS	3E-09	3.7342E-05	0.6395607	-8.573569	5.2434E-05
47	1307	SETRe12norFIT	S	3E-09	3.6452E-05	0.6483781	-8.597067	5.0945E-05
48	1308	SETRe21norFIT	NotS	3E-09	3.7503E-05	0.650714	-8.576429	5.2272E-05
49	1309	SETRg11norFIT	NotS	3E-09	3.7923E-05	0.6269466	-8.53282	5.4465E-05
50	1310	SETRg22norFIT	NotS	3E-09	3.7341E-05	0.6318378	-8.564228	5.2946E-05
51	1311	SETRg12norFIT	S	3E-09	3.7372E-05	0.6164868	-8.549009	5.3708E-05
52	1312	SETRg21norFIT	NotS	3E-09	3.7416E-05	0.63298	-8.562504	5.3037E-05
53	1313	SETRi11norFIT	NotS	3E-09	4.0801E-05	0.7489494	-8.540276	5.4914E-05
54	1314	SETRi22norFIT	NotS	3E-09	4.3546E-05	0.836703	-8.545299	5.6887E-05
55	1315	SETRi12norFIT	NotS	3E-09	4.3682E-05	0.8406935	-8.545207	5.7015E-05
56	1316	SETRi21norFIT	NotS	3E-09	4.0698E-05	0.7441242	-8.538664	5.4886E-05
57	1317	SETRc11norFIT	NotS	3E-09	3.9579E-05	0.681337	-8.453206	5.7349E-05
58	1318	SETRc22norFIT	NotS	3E-09	3.9642E-05	0.6845551	-8.448618	5.7489E-05
59	1319	SETRc12norFIT	NotS	3E-09	3.9661E-05	0.6855792	-8.447049	5.7536E-05
60	1320	SETRc21norFIT	NotS	3E-09	3.9661E-05	0.6856097	-8.447005	5.7537E-05
1	1321	SEMOs11gedFIT	NotS	5E-09	4.8717E-05	0.5942767	-8.336183	7.4104E-05
2	1322	SEMOs22gedFIT	NotS	6E-09	5.0518E-05	0.6254657	-8.336677	7.4344E-05
3	1323	SEMOs12gedFIT	NotS	6E-09	5.0612E-05	0.6270758	-8.336553	7.4375E-05
4	1324	SEMOs21gedFIT	NotS	5E-09	4.7568E-05	0.5733438	-8.334694	7.4071E-05
5	1325	SEMOe11gedFIT	S	6E-09	4.691E-05	0.5586991	-8.304152	7.616E-05
6	1326	SEMOe22gedFIT	NotS	6E-09	4.6714E-05	0.5550342	-8.290577	7.6944E-05
7	1327	SEMOe12gedFIT	S	6E-09	4.6669E-05	0.5518098	-8.29781	7.6511E-05
8	1328	SEMOe21gedFIT	NotS	6E-09	4.6798E-05	0.5574442	-8.289457	7.7019E-05
9	1329	SEMOg11gedFIT	NotS	6E-09	5.4308E-05	0.6976438	-8.33127	7.4655E-05
10	1330	SEMOg22gedFIT	NotS	8E-09	7.6775E-05	1.027435	-8.257033	9.2163E-05
11	1331	SEMOg12gedFIT	NotS	6E-09	6.0676E-05	0.7955531	-8.312408	7.7974E-05
12	1332	SEMOg21gedFIT	NotS	9E-09	7.7514E-05	1.037486	-8.254538	9.2936E-05
13	1333	SEMOi11gedFIT	NotS	6E-09	5.57E-05	0.7083646	-8.321353	7.7694E-05
14	1334	SEMOi22gedFIT	NotS	7E-09	6.1775E-05	0.8038029	-8.304715	8.2219E-05
15	1335	SEMOi12gedFIT	NotS	6E-09	5.8171E-05	0.7472041	-8.314763	7.9471E-05
16	1336	SEMOi21gedFIT	NotS	6E-09	5.7352E-05	0.734976	-8.317372	7.8762E-05
17	1337	SEMOc11gedFIT	NotS	5E-09	4.9213E-05	0.6042341	-8.339302	7.3602E-05
18	1338	SEMOc22gedFIT	NotS	5E-09	4.8508E-05	0.5901833	-8.338786	7.3616E-05
19	1339	SEMOc12gedFIT	NotS	5E-09	4.8956E-05	0.5992024	-8.339384	7.3574E-05
20	1340	SEMOc21gedFIT	NotS	5E-09	4.8672E-05	0.5936034	-8.339037	7.3599E-05
21	1341	SEMOs11stdFIT	NotS	3E-08	0.00013797	1.789249	-8.067848	0.00016146
22	1342	SEMOs22stdFIT	NotS	4E-08	0.0001683	2.120031	-7.988056	0.00019765
23	1343	SEMOs12stdFIT	NotS	4E-08	0.00016782	2.114999	-7.989263	0.00019709
24	1344	SEMOs21stdFIT	NotS	3E-08	0.00013823	1.792214	-8.067114	0.00016176
25	1345	SEMOe11stdFIT	S	3E-08	0.00015325	2.057113	-7.988304	0.00016186
26	1346	SEMOe22stdFIT	NotS	3E-08	0.00017127	2.264261	-7.936898	0.00017964
27	1347	SEMOe12stdFIT	NotS	3E-08	0.00016582	2.19649	-7.95353	0.00017428
28	1348	SEMOe21stdFIT	NotS	3E-08	0.00017022	2.252392	-7.939835	0.00017859
29	1349	SEMOg11stdFIT	NotS	9E-08	0.00027122	3.151231	-7.742652	0.00030695
30	1350	SEMOg22stdFIT	NotS	5E-08	0.00019274	2.411961	-7.912261	0.00021835
31	1351	SEMOg12stdFIT	NotS	1E-07	0.00029252	3.333075	-7.703586	0.0003326
32	1352	SEMOg21stdFIT	NotS	5E-08	0.00019272	2.411783	-7.912303	0.00021833
33	1353	SEMOi11stdFIT	NotS	3E-08	0.00014665	1.884472	-8.045226	0.00017254
34	1354	SEMOi22stdFIT	NotS	4E-08	0.00017422	2.180435	-7.974193	0.00020537
35	1355	SEMOi12stdFIT	NotS	4E-08	0.00017425	2.180738	-7.974121	0.00020541
36	1356	SEMOi21stdFIT	NotS	3E-08	0.00014673	1.885372	-8.045007	0.00017263
37	1357	SEMOc11stdFIT	NotS	7E-09	6.7514E-05	0.8976079	-8.288487	8.2905E-05
38	1358	SEMOc22stdFIT	NotS	7E-09	6.6976E-05	0.8894202	-8.29042	8.2516E-05
39	1359	SEMOc12stdFIT	NotS	7E-09	6.6971E-05	0.8893622	-8.290433	8.2511E-05
40	1360	SEMOc21stdFIT	NotS	7E-09	6.737E-05	0.8953803	-8.289021	8.2797E-05
41	1361	SEMOs11norFIT	NotS	6E-09	4.535E-05	0.5341942	-8.295848	7.6562E-05
42	1362	SEMOs22norFIT	NotS	6E-09	4.5502E-05	0.5356043	-8.310111	7.5685E-05
43	1363	SEMOs12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
44	1364	SEMOs21norFIT	NotS	6E-09	4.5361E-05	0.5342499	-8.298588	7.64E-05
45	1365	SEMOe11norFIT	S	6E-09	5.3944E-05	0.6919248	-8.332622	7.4407E-05
46	1366	SEMOe22norFIT	NotS	6E-09	5.4266E-05	0.6953695	-8.331792	7.4611E-05
47	1367	SEMOe12norFIT	NotS	6E-09	5.8493E-05	0.7603426	-8.320538	7.6726E-05
48	1368	SEMOe21norFIT	NotS	6E-09	5.4716E-05	0.7028622	-8.330476	7.4864E-05
49	1369	SEMOg11norFIT	NotS	5E-09	4.797E-05	0.5809921	-8.339235	7.3445E-05
50	1370	SEMOg22norFIT	NotS	5E-09	4.8199E-05	0.5864243	-8.339309	7.3512E-05
51	1371	SEMOg12norFIT	NotS	5E-09	5.0323E-05	0.6271805	-8.339736	0.00007345
52	1372	SEMOg21norFIT	NotS	5E-09	4.8077E-05	0.5842915	-8.338981	7.3546E-05
53	1373	SEMOi11norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
54	1374	SEMOi22norFIT	NotS	6E-09	5.046E-05	0.622309	-8.327995	7.5338E-05
55	1375	SEMOi12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
56	1376	SEMOi21norFIT	NotS	6E-09	4.8399E-05	0.589037	-8.326469	7.4965E-05
57	1377	SEMOc11norFIT	NotS	6E-09	4.5422E-05	0.5361196	-8.289343	7.6955E-05
58	1378	SEMOc22norFIT	NotS	6E-09	4.5416E-05	0.5359746	-8.290024	7.6917E-05
59	1379	SEMOc12norFIT	NotS	6E-09	4.542E-05	0.5360911	-8.28945	7.6949E-05
60	1380	SEMOc21norFIT	NotS	6E-09	4.5422E-05	0.5361176	-8.289349	7.6955E-05
1	1381	SEOGs11gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result

2	1382	SEOGs22gedFIT	NotS	1E-08	7.0851E-05	0.7914178	-8.06913	0.00010768
3	1383	SEOGs12gedFIT	NotS	1E-08	7.085E-05	0.7913808	-8.068726	0.00010772
4	1384	SEOGs21gedFIT	NotS	1E-08	6.967E-05	0.7729333	-8.066595	0.00010748
5	1385	SEOGe11gedFIT	S	1E-08	6.7146E-05	0.7303327	-8.059721	0.00010717
6	1386	SEOGe22gedFIT	NotS	1E-08	6.7141E-05	0.7171811	-8.029417	0.00010949
7	1387	SEOGe12gedFIT	S	1E-08	6.6762E-05	0.7158346	-8.046889	0.00010814
8	1388	SEOGe21gedFIT	NotS	1E-08	6.7174E-05	0.718862	-8.032986	0.00010926
9	1389	SEOGg11gedFIT	NotS	1E-08	7.9306E-05	0.9248107	-8.075582	0.00010812
10	1390	SEOGg22gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
11	1391	SEOGg12gedFIT	NotS	1E-08	8.3564E-05	0.9782011	-8.068205	0.00011019
12	1392	SEOGg21gedFIT	NotS	1E-08	8.4389E-05	0.995295	-8.063791	0.00011048
13	1393	SEOGi11gedFIT	NotS	1E-08	7.2845E-05	0.8269555	-8.069554	0.00010819
14	1394	SEOGi22gedFIT	NotS	1E-08	7.3894E-05	0.840376	-8.068792	0.00010873
15	1395	SEOGi12gedFIT	NotS	1E-08	7.3753E-05	0.8380658	-8.068543	0.00010871
16	1396	SEOGi21gedFIT	NotS	1E-08	7.2704E-05	0.824255	-8.068989	0.00010822
17	1397	SEOGc11gedFIT	NotS	1E-08	6.7384E-05	0.7168667	-7.988256	0.00011166
18	1398	SEOGc22gedFIT	NotS	1E-08	6.7415E-05	0.7171015	-7.987749	0.00011169
19	1399	SEOGc12gedFIT	NotS	1E-08	6.7476E-05	0.7180808	-7.983306	0.0001119
20	1400	SEOGc21gedFIT	NotS	1E-08	6.7386E-05	0.7168263	-7.988191	0.00011166
21	1401	SEOGs11stdFIT	NotS	2E-08	0.00011885	1.426221	-7.98081	0.00014199
22	1402	SEOGs22stdFIT	NotS	2E-08	0.00012716	1.520095	-7.960519	0.00015224
23	1403	SEOGs12stdFIT	NotS	2E-08	0.00012815	1.531765	-7.95795	0.00015335
24	1404	SEOGs21stdFIT	NotS	2E-08	0.00011907	1.428898	-7.980228	0.00014222
25	1405	SEOGe11stdFIT	S	8E-08	0.00026817	3.069217	-7.590203	0.00027993
26	1406	SEOGe22stdFIT	NotS	7E-08	0.00024944	2.893342	-7.630423	0.00026405
27	1407	SEOGe12stdFIT	NotS	9E-08	0.00028427	3.197907	-7.560869	0.00029825
28	1408	SEOGe21stdFIT	NotS	7E-08	0.00024947	2.893632	-7.630359	0.0002641
29	1409	SEOGg11stdFIT	NotS	3E-08	0.0001475	1.769493	-7.902395	0.00017177
30	1410	SEOGg22stdFIT	NotS	1E-08	9.2747E-05	1.099396	-8.046953	0.0001162
31	1411	SEOGg12stdFIT	NotS	4E-08	0.00016041	1.906783	-7.871032	0.00018725
32	1412	SEOGg21stdFIT	NotS	2E-08	0.00012725	1.547381	-7.951651	0.00014764
33	1413	SEOGi11stdFIT	NotS	2E-08	0.00012636	1.517428	-7.960531	0.00015079
34	1414	SEOGi22stdFIT	NotS	2E-08	0.0001316	1.57176	-7.94903	0.00015762
35	1415	SEOGi12stdFIT	NotS	3E-08	0.00013234	1.580297	-7.947148	0.00015848
36	1416	SEOGi21stdFIT	NotS	2E-08	0.00012619	1.515356	-7.960987	0.00015059
37	1417	SEOGc11stdFIT	NotS	1E-08	6.7328E-05	0.7286435	-8.054534	0.00010773
38	1418	SEOGc22stdFIT	NotS	1E-08	6.7263E-05	0.7260035	-8.051526	0.00010794
39	1419	SEOGc12stdFIT	NotS	1E-08	6.7338E-05	0.7288845	-8.054656	0.00010772
40	1420	SEOGc21stdFIT	NotS	1E-08	6.7263E-05	0.7260243	-8.051552	0.00010793
41	1421	SEOGs11norFIT	NotS	1E-08	6.7354E-05	0.7164567	-8.031176	0.00010938
42	1422	SEOGs22norFIT	NotS	1E-08	6.7449E-05	0.7188544	-8.035052	0.00010917
43	1423	SEOGs12norFIT	NotS	1E-08	6.7433E-05	0.7180999	-8.033299	0.00010927
44	1424	SEOGs21norFIT	NotS	1E-08	6.7415E-05	0.717333	-8.029494	0.00010949
45	1425	SEOGe11norFIT	S	1E-08	9.3712E-05	1.099639	-8.049818	0.00011738
46	1426	SEOGe22norFIT	NotS	1E-08	8.6569E-05	1.011536	-8.06338	0.0001124
47	1427	SEOGe12norFIT	S	2E-08	9.8421E-05	1.155662	-8.037178	0.00012259
48	1428	SEOGe21norFIT	S	1E-08	8.675E-05	1.014303	-8.062624	0.00011252
49	1429	SEOGg11norFIT	NotS	1E-08	6.9126E-05	0.7702603	-8.079425	0.00010581
50	1430	SEOGg22norFIT	NotS	1E-08	6.8697E-05	0.7593802	-8.076083	0.00010609
51	1431	SEOGg12norFIT	NotS	1E-08	6.8594E-05	0.7573035	-8.075771	0.00010612
52	1432	SEOGg21norFIT	NotS	1E-08	7.1295E-05	0.8089789	-8.079085	0.00010605
53	1433	SEOGi11norFIT	NotS	1E-08	7.039E-05	0.779168	-8.054859	0.00010874
54	1434	SEOGi22norFIT	NotS	1E-08	7.0704E-05	0.783848	-8.056405	0.00010874
55	1435	SEOGi12norFIT	NotS	1E-08	7.0729E-05	0.7842416	-8.056531	0.00010874
56	1436	SEOGi21norFIT	NotS	1E-08	7.0384E-05	0.7790764	-8.054852	0.00010874
57	1437	SEOGc11norFIT	NotS	1E-08	6.898E-05	0.7513764	-7.903984	0.00011527
58	1438	SEOGc22norFIT	NotS	1E-08	6.8841E-05	0.7473526	-7.911136	0.000115
59	1439	SEOGc12norFIT	NotS	1E-08	6.9073E-05	0.7541601	-7.898958	0.00011546
60	1440	SEOGc21norFIT	NotS	1E-08	6.893E-05	0.7500723	-7.906207	0.00011519
1	1441	SEOEs11gedFIT	NotS	3E-08	0.00012301	0.7842404	-7.545737	0.00017088
2	1442	SEOEs22gedFIT	NotS	3E-08	0.0001248	0.8045598	-7.544667	0.00017151
3	1443	SEOEs12gedFIT	NotS	3E-08	0.00012482	0.8047653	-7.544648	0.00017152
4	1444	SEOEs21gedFIT	NotS	3E-08	0.00012306	0.7850019	-7.545665	0.0001709
5	1445	SEOEe11gedFIT	S	3E-08	0.00011441	0.6684309	-7.483279	0.00017873
6	1446	SEOEe22gedFIT	NotS	3E-08	0.00011428	0.6676216	-7.482967	0.00017876
7	1447	SEOEe12gedFIT	S	3E-08	0.00011511	0.6720984	-7.499199	0.00017698
8	1448	SEOEe21gedFIT	NotS	3E-08	0.00011498	0.6712539	-7.502693	0.00017657
9	1449	SEOEg11gedFIT	NotS	3E-08	0.0001193	0.7274935	-7.540231	0.0001715
10	1450	SEOEg22gedFIT	NotS	3E-08	0.00012408	0.8002064	-7.545353	0.00017103
11	1451	SEOEg12gedFIT	NotS	3E-08	0.00012239	0.7695908	-7.543924	0.00017126
12	1452	SEOEg21gedFIT	NotS	3E-08	0.00012398	0.7991604	-7.545447	0.00017099
13	1453	SEOEi11gedFIT	NotS	3E-08	0.00013078	0.8759346	-7.537503	0.00017411
14	1454	SEOEi22gedFIT	NotS	3E-08	0.00013749	0.9400524	-7.527747	0.00017871
15	1455	SEOEi12gedFIT	NotS	3E-08	0.00013757	0.9408355	-7.527634	0.00017876
16	1456	SEOEi21gedFIT	NotS	3E-08	0.00013117	0.8798638	-7.537077	0.00017429
17	1457	SEOEc11gedFIT	NotS	3E-08	0.00011751	0.7140833	-7.544195	0.00017073
18	1458	SEOEc22gedFIT	NotS	3E-08	0.00011736	0.7119874	-7.543694	0.00017081
19	1459	SEOEc12gedFIT	NotS	3E-08	0.00011735	0.7118269	-7.543664	0.00017082
20	1460	SEOEc21gedFIT	NotS	3E-08	0.00011732	0.711511	-7.543588	0.00017083
21	1461	SEOEs11stdFIT	NotS	5E-08	0.00019338	1.40263	-7.437205	0.00022715
22	1462	SEOEs22stdFIT	NotS	7E-08	0.00021729	1.574704	-7.398846	0.00025583
23	1463	SEOEs12stdFIT	NotS	7E-08	0.0002173	1.574757	-7.398834	0.00025584
24	1464	SEOEs21stdFIT	NotS	5E-08	0.00019443	1.410507	-7.435437	0.00022826
25	1465	SEOEe11stdFIT	S	5E-08	0.00020307	1.465103	-7.417911	0.00022435
26	1466	SEOEe22stdFIT	NotS	1E-07	0.00030579	2.152447	-7.250377	0.00032555
27	1467	SEOEe12stdFIT	NotS	5E-08	0.00019743	1.430675	-7.427162	0.00022126
28	1468	SEOEe21stdFIT	NotS	1E-07	0.0003047	2.145604	-7.252026	0.00032441
29	1469	SEOEg11stdFIT	NotS	4E-08	0.00016852	1.210935	-7.479074	0.0002026
30	1470	SEOEg22stdFIT	NotS	5E-08	0.00019053	1.381963	-7.441581	0.00022303
31	1471	SEOEg12stdFIT	NotS	6E-08	0.00020089	1.456856	-7.425458	0.00023747
32	1472	SEOEg21stdFIT	NotS	5E-08	0.00018803	1.363053	-7.44578	0.00022021
33	1473	SEOEi11stdFIT	NotS	6E-08	0.00020429	1.484468	-7.41872	0.00023961
34	1474	SEOEi22stdFIT	NotS	7E-08	0.00022403	1.622486	-7.38806	0.00026417
35	1475	SEOEi12stdFIT	NotS	7E-08	0.00022437	1.624813	-7.387532	0.00026456
36	1476	SEOEi21stdFIT	NotS	6E-08	0.0002054	1.492502	-7.416901	0.00024082
37	1477	SEOEc11stdFIT	NotS	3E-08	0.00012185	0.7756698	-7.549845	0.00016975
38	1478	SEOEc22stdFIT	NotS	3E-08	0.00012151	0.7712733	-7.549842	0.00016974
39	1479	SEOEc12stdFIT	NotS	3E-08	0.00012152	0.7713892	-7.549842	0.00016974
40	1480	SEOEc21stdFIT	NotS	3E-08	0.00012151	0.7713035	-7.549842	0.00016974
41	1481	SEOEs11norFIT	NotS	3E-08	0.00012104	0.7571034	-7.546812	0.0001705
42	1482	SEOEs22norFIT	NotS	3E-08	0.00012186	0.7682767	-7.548032	0.00017039
43	1483	SEOEs12norFIT	NotS	3E-08	0.00012189	0.768744	-7.548062	0.00017039
44	1484	SEOEs21norFIT	NotS	3E-08	0.0001211	0.7579626	-7.546806	0.00017051
45	1485	SEOEe11norFIT	S	3E-08	0.00013748	0.9312604	-7.527496	0.0001797
46	1486	SEOEe22norFIT	NotS	3E-08	0.00013134	0.8744814	-7.538023	0.00017495
47	1487	SEOEe12norFIT	S	3E-08	0.00014294	0.9878684	-7.52003	0.00018382
48	1488	SEOEe21norFIT	NotS	3E-08	0.00013132	0.8743645	-7.538045	0.00017493
49	1489	SEOEg11norFIT	NotS	3E-08	0.00011863	0.7156028	-7.5384	0.00017179
50	1490	SEOEg22norFIT	NotS	3E-08	0.00011973	0.7308933	-7.542144	0.00017126
51	1491	SEOEg12norFIT	NotS	3E-08	0.00011992	0.7343771	-7.543032	0.00017112
52	1492	SEOEg21norFIT	NotS	3E-08	0.00011867	0.7196612	-7.540387	0.00017144
53	1493	SEOEi11norFIT	NotS	3E-08	0.00013507	0.9176601	-7.531659	0.00017673
54	1494	SEOEi22norFIT	NotS	3E-08	0.00014267	0.9897412	-7.519917	0.00018259
55	1495	SEOEi12norFIT	NotS	3E-08	0.00014286	0.9915499	-7.519609	0.00018275
56	1496	SEOEi21norFIT	NotS	3E-08	0.00013479	0.9150246	-7.532023	0.00017657
57	1497	SEOEc11norFIT	NotS	3E-08	0.00011668	0.6993794	-7.537847	0.00017179
58	1498	SEOEc22norFIT	NotS	3E-08	0.00011624	0.6940287	-7.538161	0.00017174
59	1499	SEOEc12norFIT	NotS	3E-08	0.00011623	0.6935877	-7.537852	0.00017179
60	1500	SEOEc21norFIT	NotS	3E-08	0.00011673	0.7000917	-7.538145	0.00017174
1	1501	SEAIs11gedFIT	S	3E-08	0.00016008	Inf	-8.740784	0.00016025
2	1502	SEAIs22gedFIT	NotS	3E-08	0.0001627	Inf	-8.724443	0.00016287
3	1503	SEAIs12gedFIT	NotS	3E-08	0.0001636	Inf	-8.71907	0.00016378
4	1504	SEAIs21gedFIT	NotS	3E-08	0.00016029	Inf	-8.739556	0.00016048
5	1505	SEAIe11gedFIT	S	2E-08	0.00015614	Inf	-8.764665	0.00015618
6	1506	SEAIe22gedFIT	NotS	2E-08	0.00015261	Inf	-8.787622	0.00015266
7	1507	SEAIe12gedFIT	S	2E-08	0.00015457	Inf	-8.774984	0.00015463

8	1508	SEAIe21gedFIT	NotS	2E-08	0.00015168	Inf	-8.793855	0.00015174
9	1509	SEAIg11gedFIT	NotS	3E-08	0.0001617	Inf	-8.730032	0.00016177
10	1510	SEAIg22gedFIT	NotS	3E-08	0.00017956	Inf	-8.627653	0.00018004
11	1511	SEAIg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	1512	SEAIg21gedFIT	NotS	3E-08	0.00017347	Inf	-8.663211	0.00017412
13	1513	SEAIi11gedFIT	NotS	7E-08	0.00024791	Inf	-8.356334	0.00025977
14	1514	SEAIi22gedFIT	NotS	1E-07	0.00030191	Inf	-8.178494	0.00032066
15	1515	SEAIi12gedFIT	NotS	1E-07	0.0002971	Inf	-8.192972	0.00031522
16	1516	SEAIi21gedFIT	NotS	7E-08	0.00024978	Inf	-8.349829	0.00026193
17	1517	SEAIc11gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
18	1518	SEAIc22gedFIT	NotS	4E-08	0.0001991	Inf	-8.525221	0.0001998
19	1519	SEAIc12gedFIT	NotS	4E-08	0.00019915	Inf	-8.525141	0.00019987
20	1520	SEAIc21gedFIT	NotS	4E-08	0.00019969	Inf	-8.522336	0.00020041
21	1521	SEAIs11stdFIT	NotS	1E-07	0.00033065	Inf	-8.022967	0.00033297
22	1522	SEAIs22stdFIT	NotS	1E-07	0.00038112	Inf	-7.88128	0.00038379
23	1523	SEAIs12stdFIT	NotS	2E-07	0.0004061	Inf	-7.818809	0.00040921
24	1524	SEAIs21stdFIT	NotS	1E-07	0.00033049	Inf	-8.02345	0.00033281
25	1525	SEAIe11stdFIT	S	6E-08	0.00023749	Inf	-8.345406	0.00023754
26	1526	SEAIe22stdFIT	NotS	6E-08	0.00025452	Inf	-8.276236	0.0002546
27	1527	SEAIe12stdFIT	NotS	6E-08	0.00024349	Inf	-8.320765	0.0002436
28	1528	SEAIe21stdFIT	NotS	6E-08	0.00024591	Inf	-8.311463	0.00024617
29	1529	SEAIg11stdFIT	NotS	9E-08	0.00030034	Inf	-8.113386	0.00030111
30	1530	SEAIg22stdFIT	NotS	1E-07	0.00035589	Inf	-7.966385	0.00036436
31	1531	SEAIg12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
32	1532	SEAIg21stdFIT	NotS	1E-07	0.0003562	Inf	-7.965579	0.00036469
33	1533	SEAIi11stdFIT	NotS	3E-06	0.00160518	Inf	-6.604081	0.00179266
34	1534	SEAIi22stdFIT	NotS	6E-06	0.00214768	Inf	-6.333557	0.00241655
35	1535	SEAIi12stdFIT	NotS	6E-06	0.00215454	Inf	-6.330515	0.00242439
36	1536	SEAIi21stdFIT	NotS	3E-06	0.00160582	Inf	-6.603692	0.00179338
37	1537	SEAIc11stdFIT	NotS	4E-07	0.00061067	Inf	-7.417786	0.00061899
38	1538	SEAIc22stdFIT	NotS	3E-07	0.00056785	Inf	-7.488073	0.00057459
39	1539	SEAIc12stdFIT	NotS	4E-07	0.00060513	Inf	-7.426768	0.00061331
40	1540	SEAIc21stdFIT	NotS	4E-07	0.00060514	Inf	-7.425766	0.00061288
41	1541	SEAIs11norFIT	S	3E-08	0.00016554	Inf	-8.707797	0.0001658
42	1542	SEAIs22norFIT	NotS	3E-08	0.00016533	Inf	-8.708769	0.00016555
43	1543	SEAIs12norFIT	S	3E-08	0.00016491	Inf	-8.711443	0.00016515
44	1544	SEAIs21norFIT	NotS	3E-08	0.00016531	Inf	-8.709171	0.00016558
45	1545	SEAIe11norFIT	S	4E-08	0.00020252	Inf	-8.51141	0.00020371
46	1546	SEAIe22norFIT	NotS	3E-08	0.00017968	Inf	-8.627961	0.00018036
47	1547	SEAIe12norFIT	NotS	4E-08	0.00019984	Inf	-8.524034	0.00020089
48	1548	SEAIe21norFIT	NotS	3E-08	0.00017937	Inf	-8.629751	0.00018006
49	1549	SEAIg11norFIT	NotS	3E-08	0.00016479	Inf	-8.712383	0.00016505
50	1550	SEAIg22norFIT	NotS	3E-08	0.0001625	Inf	-8.726262	0.00016274
51	1551	SEAIg12norFIT	NotS	3E-08	0.00016377	Inf	-8.718362	0.00016401
52	1552	SEAIg21norFIT	NotS	3E-08	0.00016838	Inf	-8.691085	0.00016868
53	1553	SEAIi11norFIT	NotS	1E-07	0.00029299	Inf	-8.211345	0.00031179
54	1554	SEAIi22norFIT	NotS	1E-07	0.0003018	Inf	-8.184163	0.00032168
55	1555	SEAIi12norFIT	NotS	1E-07	0.00030182	Inf	-8.184096	0.00032171
56	1556	SEAIi21norFIT	NotS	1E-07	0.00029305	Inf	-8.211145	0.00031187
57	1557	SEAIc11norFIT	NotS	2E-08	0.0001456	Inf	-8.835496	0.00014576
58	1558	SEAIc22norFIT	NotS	2E-08	0.00014601	Inf	-8.832271	0.0001461
59	1559	SEAIc12norFIT	S	2E-08	0.00014746	Inf	-8.822275	0.00014755
60	1560	SEAIc21norFIT	NotS	2E-08	0.00014604	Inf	-8.832731	0.00014624
1	1561	SEISs11gedFIT	NotS	2E-09	4.228E-05	Inf	-10.09039	4.2948E-05
2	1562	SEISs22gedFIT	NotS	2E-09	4.5851E-05	Inf	-10.01194	4.6645E-05
3	1563	SEISs12gedFIT	NotS	2E-09	4.5891E-05	Inf	-10.01155	4.6706E-05
4	1564	SEISs21gedFIT	NotS	2E-09	4.2089E-05	Inf	-10.09582	4.2785E-05
5	1565	SEISe11gedFIT	S	2E-09	3.9559E-05	Inf	-10.15574	4.0084E-05
6	1566	SEISe22gedFIT	NotS	2E-09	3.8511E-05	Inf	-10.19198	3.9307E-05
7	1567	SEISe12gedFIT	S	2E-09	3.9029E-05	Inf	-10.17174	3.9614E-05
8	1568	SEISe21gedFIT	S	2E-09	3.8432E-05	Inf	-10.19425	3.9235E-05
9	1569	SEISg11gedFIT	NotS	3E-09	5.4918E-05	Inf	-9.828337	5.566E-05
10	1570	SEISg22gedFIT	NotS	5E-09	6.7947E-05	Inf	-9.654833	7.0941E-05
11	1571	SEISg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	1572	SEISg21gedFIT	NotS	5E-09	6.8094E-05	Inf	-9.652858	7.1103E-05
13	1573	SEISi11gedFIT	NotS	4E-09	5.5459E-05	Inf	-9.886285	5.941E-05
14	1574	SEISi22gedFIT	NotS	6E-09	6.9627E-05	Inf	-9.681665	7.5597E-05
15	1575	SEISi12gedFIT	NotS	6E-09	6.9148E-05	Inf	-9.687916	7.505E-05
16	1576	SEISi21gedFIT	NotS	4E-09	5.5376E-05	Inf	-9.887445	5.931E-05
17	1577	SEISc11gedFIT	NotS	2E-09	3.9701E-05	Inf	-10.14788	4.0184E-05
18	1578	SEISc22gedFIT	NotS	5E-10	2.2163E-05	Inf	-10.7177	2.2174E-05
19	1579	SEISc12gedFIT	NotS	1E-09	3.7808E-05	Inf	-10.1951	3.8217E-05
20	1580	SEISc21gedFIT	NotS	1E-09	3.7915E-05	Inf	-10.1923	3.8325E-05
21	1581	SEISs11stdFIT	NotS	3E-08	0.00016002	Inf	-8.874338	0.00017562
22	1582	SEISs22stdFIT	NotS	6E-08	0.0002111	Inf	-8.62618	0.00023478
23	1583	SEISs12stdFIT	NotS	6E-08	0.00021105	Inf	-8.6264	0.00023472
24	1584	SEISs21stdFIT	NotS	3E-08	0.00015901	Inf	-8.880236	0.00017448
25	1585	SEISe11stdFIT	S	5E-09	7.0403E-05	Inf	-9.587754	7.172E-05
26	1586	SEISe22stdFIT	NotS	6E-09	7.7409E-05	Inf	-9.504551	7.958E-05
27	1587	SEISe12stdFIT	S	5E-09	6.9837E-05	Inf	-9.597944	7.1232E-05
28	1588	SEISe21stdFIT	NotS	6E-09	7.7275E-05	Inf	-9.506196	7.9442E-05
29	1589	SEISg11stdFIT	NotS	1E-07	0.00033442	Inf	-8.197105	0.00037545
30	1590	SEISg22stdFIT	NotS	3E-08	0.00016596	Inf	-8.836452	0.0001817
31	1591	SEISg12stdFIT	NotS	2E-07	0.00035235	Inf	-8.157256	0.00039769
32	1592	SEISg21stdFIT	NotS	3E-08	0.00016595	Inf	-8.836549	0.00018169
33	1593	SEISi11stdFIT	NotS	4E-08	0.0001704	Inf	-8.823351	0.00018844
34	1594	SEISi22stdFIT	NotS	6E-08	0.00021783	Inf	-8.601899	0.00024331
35	1595	SEISi12stdFIT	NotS	6E-08	0.00021784	Inf	-8.60183	0.00024333
36	1596	SEISi21stdFIT	NotS	3E-08	0.00016834	Inf	-8.834806	0.00018609
37	1597	SEISc11stdFIT	NotS	7E-09	8.0418E-05	Inf	-9.454119	8.2093E-05
38	1598	SEISc22stdFIT	NotS	6E-09	7.8373E-05	Inf	-9.479017	7.9956E-05
39	1599	SEISc12stdFIT	NotS	7E-10	2.5862E-05	Inf	-10.56353	2.5879E-05
40	1600	SEISc21stdFIT	NotS	6E-09	7.8376E-05	Inf	-9.478987	7.9961E-05
41	1601	SEISs11norFIT	NotS	2E-09	3.9352E-05	Inf	-10.16127	3.9954E-05
42	1602	SEISs22norFIT	NotS	2E-09	4.0706E-05	Inf	-10.12732	4.1315E-05
43	1603	SEISs12norFIT	NotS	2E-09	4.0716E-05	Inf	-10.12639	4.1301E-05
44	1604	SEISs21norFIT	NotS	2E-09	3.9399E-05	Inf	-10.15958	3.9984E-05
45	1605	SEISe11norFIT	S	3E-09	5.1331E-05	Inf	-9.903862	5.2272E-05
46	1606	SEISe22norFIT	S	3E-09	5.2287E-05	Inf	-9.905049	5.4017E-05
47	1607	SEISe12norFIT	S	3E-09	5.3169E-05	Inf	-9.875255	5.4365E-05
48	1608	SEISe21norFIT	S	3E-09	5.2319E-05	Inf	-9.905413	5.4094E-05
49	1609	SEISg11norFIT	S	2E-09	4.7955E-05	Inf	-9.959126	4.8456E-05
50	1610	SEISg22norFIT	NotS	3E-09	5.0025E-05	Inf	-9.935149	5.1287E-05
51	1611	SEISg12norFIT	S	2E-09	4.893E-05	Inf	-9.942214	4.9551E-05
52	1612	SEISg21norFIT	NotS	3E-09	4.9665E-05	Inf	-9.943177	5.0952E-05
53	1613	SEISi11norFIT	NotS	2E-09	4.3719E-05	Inf	-10.10473	4.624E-05
54	1614	SEISi22norFIT	NotS	3E-09	4.921E-05	Inf	-9.998466	5.247E-05
55	1615	SEISi12norFIT	NotS	3E-09	4.921E-05	Inf	-9.998467	5.247E-05
56	1616	SEISi21norFIT	NotS	2E-09	4.3005E-05	Inf	-10.1199	4.5444E-05
57	1617	SEISc11norFIT	NotS	7E-10	2.5661E-05	Inf	-10.57202	2.5697E-05
58	1618	SEISc22norFIT	NotS	7E-10	2.6695E-05	Inf	-10.53215	2.6721E-05
59	1619	SEISc12norFIT	NotS	7E-10	2.6584E-05	Inf	-10.53629	2.6611E-05
60	1620	SEISc21norFIT	NotS	7E-10	2.5836E-05	Inf	-10.56468	2.5859E-05
1	1621	SEREs11gedFIT	NotS	5E-09	6.7347E-05	Inf	-9.614867	6.7906E-05
2	1622	SEREs22gedFIT	NotS	6E-09	7.7608E-05	Inf	-9.474943	7.8349E-05
3	1623	SEREs12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
4	1624	SEREs21gedFIT	NotS	5E-09	6.7681E-05	Inf	-9.609937	6.8242E-05
5	1625	SEREe11gedFIT	S	3E-09	5.475E-05	Inf	-9.814939	5.4863E-05
6	1626	SEREe22gedFIT	NotS	2E-09	4.8255E-05	Inf	-9.947347	4.8614E-05
7	1627	SEREe12gedFIT	NotS	3E-09	5.4035E-05	Inf	-9.828766	5.4172E-05
8	1628	SEREe21gedFIT	NotS	2E-09	4.7595E-05	Inf	-9.961277	4.7959E-05
9	1629	SEREg11gedFIT	NotS	6E-09	7.6987E-05	Inf	-9.475588	7.7251E-05
10	1630	SEREg22gedFIT	NotS	1E-08	9.9989E-05	Inf	-9.24303	0.00010273
11	1631	SEREg12gedFIT	NotS	7E-09	8.08E-05	Inf	-9.428831	8.1164E-05
12	1632	SEREg21gedFIT	NotS	1E-08	9.9467E-05	Inf	-9.24771	0.00010215
13	1633	SEREi11gedFIT	NotS	1E-08	0.00010951	Inf	-9.184685	0.00011568

14	1634	SEREi22gedFIT	NotS	2E-08	0.0001285	Inf	-9.035838	0.0001367
15	1635	SEREi12gedFIT	NotS	2E-08	0.00012694	Inf	-9.047083	0.00013496
16	1636	SEREi21gedFIT	NotS	1E-08	0.00010866	Inf	-9.192386	0.00011477
17	1637	SEREc11gedFIT	NotS	2E-09	4.6223E-05	Inf	-9.98803	4.6475E-05
18	1638	SEREc22gedFIT	NotS	2E-09	4.2739E-05	Inf	-10.06254	4.2836E-05
19	1639	SEREc12gedFIT	NotS	2E-09	4.3914E-05	Inf	-10.03515	4.3998E-05
20	1640	SEREc21gedFIT	NotS	2E-09	4.6217E-05	Inf	-9.988151	4.647E-05
21	1641	SEREs11stdFIT	NotS	5E-08	0.0002166	Inf	-8.538665	0.00023376
22	1642	SEREs22stdFIT	NotS	8E-08	0.00025792	Inf	-8.379281	0.00028074
23	1643	SEREs12stdFIT	NotS	8E-08	0.00025784	Inf	-8.379587	0.00028065
24	1644	SEREs21stdFIT	NotS	5E-08	0.00021589	Inf	-8.541753	0.00023297
25	1645	SEREe11stdFIT	S	1E-08	0.00011641	Inf	-9.065093	0.00011712
26	1646	SEREe22stdFIT	NotS	1E-08	0.00010062	Inf	-9.220513	0.00010212
27	1647	SEREe12stdFIT	NotS	1E-08	0.00011644	Inf	-9.065637	0.00011721
28	1648	SEREe21stdFIT	NotS	1E-08	9.7998E-05	Inf	-9.247176	9.9484E-05
29	1649	SEREg11stdFIT	S	1E-07	0.0003549	Inf	-8.058287	0.00038579
30	1650	SEREg22stdFIT	NotS	3E-08	0.00017295	Inf	-8.74507	0.00018438
31	1651	SEREg12stdFIT	NotS	2E-07	0.00040881	Inf	-7.932646	0.00044795
32	1652	SEREg21stdFIT	NotS	8E-09	8.7699E-05	Inf	-9.379155	9.0624E-05
33	1653	SERERi11stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
34	1654	SERERi22stdFIT	NotS	9E-08	0.0002668	Inf	-8.351924	0.00029169
35	1655	SERERi12stdFIT	NotS	9E-08	0.00026683	Inf	-8.351849	0.00029172
36	1656	SERERi21stdFIT	NotS	6E-08	0.00023018	Inf	-8.488579	0.00025028
37	1657	SERERc11stdFIT	NotS	5E-09	6.7528E-05	Inf	-9.612779	6.8117E-05
38	1658	SERERc22stdFIT	NotS	3E-09	5.7498E-05	Inf	-9.767168	5.7687E-05
39	1659	SERERc12stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
40	1660	SERERc21stdFIT	NotS	6E-09	7.9584E-05	Inf	-9.450219	8.0386E-05
41	1661	SERERs11norFIT	NotS	9E-09	9.3494E-05	Inf	-9.306876	9.5843E-05
42	1662	SERERs22norFIT	NotS	1E-08	9.8311E-05	Inf	-9.260049	0.00010102
43	1663	SERERs12norFIT	NotS	1E-08	0.00010318	Inf	-9.213977	0.00010619
44	1664	SERERs21norFIT	NotS	8E-09	8.8376E-05	Inf	-9.359274	9.0317E-05
45	1665	SERERe11norFIT	S	2E-08	0.00011894	Inf	-9.092538	0.00012385
46	1666	SERERe22norFIT	NotS	1E-08	9.5537E-05	Inf	-9.328308	0.0001009
47	1667	SERERe12norFIT	S	2E-08	0.00011863	Inf	-9.098604	0.00012375
48	1668	SERERe21norFIT	NotS	1E-08	9.4636E-05	Inf	-9.342317	0.00010034
49	1669	SERERg11norFIT	NotS	1E-08	9.6315E-05	Inf	-9.276721	9.8722E-05
50	1670	SERERg22norFIT	NotS	1E-08	9.7793E-05	Inf	-9.262851	0.00010035
51	1671	SERERg12norFIT	NotS	1E-08	0.00010284	Inf	-9.215511	0.00010573
52	1672	SERERg21norFIT	NotS	1E-08	0.00010342	Inf	-9.216106	0.00010689
53	1673	SERERi11norFIT	NotS	2E-08	0.00012797	Inf	-9.040819	0.00013628
54	1674	SERERi22norFIT	NotS	2E-08	0.00013681	Inf	-8.98007	0.00014621
55	1675	SERERi12norFIT	NotS	2E-08	0.00013688	Inf	-8.979556	0.00014629
56	1676	SERERi21norFIT	NotS	2E-08	0.00012797	Inf	-9.040861	0.00013627
57	1677	SERERc11norFIT	NotS	2E-09	4.7635E-05	Inf	-9.953605	4.7715E-05
58	1678	SERERc22norFIT	NotS	2E-09	4.3278E-05	Inf	-10.04978	4.3364E-05
59	1679	SERERc12norFIT	NotS	2E-09	4.3813E-05	Inf	-10.03754	4.3901E-05
60	1680	SERERc21norFIT	NotS	2E-09	4.4195E-05	Inf	-10.02808	4.4247E-05
1	1681	SEAEs11gedFIT	S	4E-08	0.00020835	Inf	-8.478176	0.00020873
2	1682	SEAEs22gedFIT	NotS	7E-08	0.00026057	Inf	-8.255263	0.00026114
3	1683	SEAEs12gedFIT	NotS	8E-08	0.00027601	Inf	-8.197989	0.00027667
4	1684	SEAEs21gedFIT	NotS	6E-08	0.000237	Inf	-8.350248	0.00023759
5	1685	SEAEe11gedFIT	S	4E-08	0.00020937	Inf	-8.475907	0.0002102
6	1686	SEAEe22gedFIT	NotS	4E-08	0.00019529	Inf	-8.549034	0.00019666
7	1687	SEAEe12gedFIT	NotS	5E-08	0.000215	Inf	-8.447365	0.00021547
8	1688	SEAEe21gedFIT	NotS	4E-08	0.00019376	Inf	-8.556616	0.00019508
9	1689	SEAEg11gedFIT	NotS	7E-08	0.00027214	Inf	-8.214872	0.00027338
10	1690	SEAEg22gedFIT	NotS	2E-07	0.00039225	Inf	-7.864067	0.00039863
11	1691	SEAEg12gedFIT	NotS	9E-08	0.00030035	Inf	-8.11738	0.00030197
12	1692	SEAEg21gedFIT	NotS	1E-07	0.0003812	Inf	-7.890976	0.00038691
13	1693	SEAEi11gedFIT	NotS	3E-07	0.00052193	Inf	-7.633652	0.00055527
14	1694	SEAEi22gedFIT	NotS	8E-07	0.00082625	Inf	-7.227104	0.00090614
15	1695	SEAEi12gedFIT	NotS	1E-06	0.00090828	Inf	-7.141817	0.00100061
16	1696	SEAEi21gedFIT	NotS	2E-07	0.00042571	Inf	-7.820545	0.00044763
17	1697	SEAEc11gedFIT	NotS	2E-07	0.00045555	Inf	-7.719843	0.00046543
18	1698	SEAEc22gedFIT	NotS	7E-08	0.00025517	Inf	-8.275655	0.0002555
19	1699	SEAEc12gedFIT	NotS	6E-08	0.00024706	Inf	-8.307645	0.00024734
20	1700	SEAEc21gedFIT	NotS	7E-08	0.00026805	Inf	-8.22669	0.00026849
21	1701	SEAEs11stdFIT	NotS	3E-06	0.00155585	Inf	-6.596573	0.00170484
22	1702	SEAEs22stdFIT	NotS	2E-05	0.0041867	Inf	-5.681761	0.00472465
23	1703	SEAEs12stdFIT	NotS	2E-05	0.00417019	Inf	-5.685464	0.00470568
24	1704	SEAEs21stdFIT	NotS	3E-06	0.00155409	Inf	-6.597561	0.0017028
25	1705	SEAEe11stdFIT	NotS	2E-07	0.00044727	Inf	-7.721504	0.00045087
26	1706	SEAEe22stdFIT	NotS	2E-07	0.00040753	Inf	-7.81627	0.00041137
27	1707	SEAEe12stdFIT	NotS	3E-07	0.00055462	Inf	-7.502106	0.00055697
28	1708	SEAEe21stdFIT	NotS	2E-07	0.00040766	Inf	-7.815968	0.00041151
29	1709	SEAEg11stdFIT	NotS	1E-05	0.00281466	Inf	-6.06911	0.00316326
30	1710	SEAEg22stdFIT	NotS	2E-06	0.00124951	Inf	-6.807567	0.00136132
31	1711	SEAEg12stdFIT	NotS	1E-05	0.00286509	Inf	-6.056	0.00322862
32	1712	SEAEg21stdFIT	NotS	2E-06	0.00124303	Inf	-6.811873	0.00135358
33	1713	SEAEi11stdFIT	NotS	3E-06	0.00163131	Inf	-6.559632	0.00180001
34	1714	SEAEi22stdFIT	NotS	2E-05	0.00434097	Inf	-5.654153	0.00492249
35	1715	SEAEi12stdFIT	NotS	2E-05	0.00434422	Inf	-5.653419	0.00492619
36	1716	SEAEi21stdFIT	NotS	3E-06	0.00164025	Inf	-6.554449	0.00181011
37	1717	SEAEc11stdFIT	NotS	2E-06	0.00123323	Inf	-6.714409	0.00124366
38	1718	SEAEc22stdFIT	NotS	5E-07	0.00068704	Inf	-7.290353	0.0006897
39	1719	SEAEc12stdFIT	NotS	4E-07	0.00058912	Inf	-7.443069	0.00059189
40	1720	SEAEc21stdFIT	NotS	4E-07	0.00064956	Inf	-7.353641	0.00065693
41	1721	SEAEs11norFIT	NotS	7E-08	0.00026438	Inf	-8.24212	0.00026529
42	1722	SEAEs22norFIT	NotS	7E-08	0.00026839	Inf	-8.227425	0.00026938
43	1723	SEAEs12norFIT	NotS	7E-08	0.00026836	Inf	-8.227536	0.00026935
44	1724	SEAEs21norFIT	NotS	7E-08	0.0002653	Inf	-8.238805	0.00026625
45	1725	SEAEe11norFIT	S	1E-07	0.00032626	Inf	-8.041197	0.00032962
46	1726	SEAEe22norFIT	NotS	1E-07	0.0003195	Inf	-8.07801	0.00032695
47	1727	SEAEe12norFIT	S	1E-07	0.00033792	Inf	-8.006483	0.00034148
48	1728	SEAEe21norFIT	NotS	1E-07	0.0003199	Inf	-8.077028	0.00032742
49	1729	SEAEg11norFIT	NotS	7E-08	0.00027102	Inf	-8.219586	0.0002724
50	1730	SEAEg22norFIT	NotS	1E-07	0.0003058	Inf	-8.10321	0.00030841
51	1731	SEAEg12norFIT	NotS	8E-08	0.00027566	Inf	-8.20335	0.00027721
52	1732	SEAEg21norFIT	NotS	1E-07	0.00030578	Inf	-8.103243	0.00030838
53	1733	SEAEi11norFIT	NotS	7E-07	0.00076656	Inf	-7.29936	0.00083954
54	1734	SEAEi22norFIT	NotS	8E-07	0.00080129	Inf	-7.25914	0.00087933
55	1735	SEAEi12norFIT	NotS	7E-07	0.00078029	Inf	-7.283284	0.00085527
56	1736	SEAEi21norFIT	NotS	7E-07	0.00076822	Inf	-7.297446	0.00084147
57	1737	SEAEc11norFIT	NotS	6E-08	0.00025199	Inf	-8.289078	0.00025263
58	1738	SEAEc22norFIT	NotS	6E-08	0.00024072	Inf	-8.33422	0.00024121
59	1739	SEAEc12norFIT	NotS	6E-08	0.00024527	Inf	-8.315354	0.00024572
60	1740	SEAEc21norFIT	NotS	6E-08	0.00023925	Inf	-8.340355	0.00023974
1	1741	SESOs11gedFIT	NotS	4E-09	6.344E-05	Inf	-9.670627	6.3737E-05
2	1742	SESOs22gedFIT	NotS	4E-09	6.4684E-05	Inf	-9.651943	6.5026E-05
3	1743	SESOs12gedFIT	NotS	4E-09	6.4711E-05	Inf	-9.651523	6.5052E-05
4	1744	SESOs21gedFIT	NotS	4E-09	6.3908E-05	Inf	-9.663409	6.4214E-05
5	1745	SESOe11gedFIT	S	4E-09	6.1065E-05	Inf	-9.707657	6.1287E-05
6	1746	SESOe22gedFIT	NotS	4E-09	6.2152E-05	Inf	-9.688436	6.2297E-05
7	1747	SESOe12gedFIT	NotS	4E-09	6.0274E-05	Inf	-9.720621	6.0489E-05
8	1748	SESOe21gedFIT	NotS	4E-09	6.2202E-05	Inf	-9.687686	6.235E-05
9	1749	SESOg11gedFIT	NotS	5E-09	7.2381E-05	Inf	-9.54286	7.2952E-05
10	1750	SESOg22gedFIT	NotS	7E-09	8.2013E-05	Inf	-9.418501	8.2724E-05
11	1751	SESOg12gedFIT	NotS	6E-09	7.5581E-05	Inf	-9.500159	7.621E-05
12	1752	SESOg21gedFIT	NotS	7E-09	8.1493E-05	Inf	-9.424921	8.2207E-05
13	1753	SESOi11gedFIT	NotS	1E-08	0.00010186	Inf	-9.244322	0.0001066
14	1754	SESOi22gedFIT	NotS	1E-08	0.00010697	Inf	-9.201755	0.00011248
15	1755	SESOi12gedFIT	NotS	1E-08	0.00010748	Inf	-9.19746	0.00011306
16	1756	SESOi21gedFIT	NotS	1E-08	0.00010185	Inf	-9.244159	0.00010658
17	1757	SESOc11gedFIT	NotS	6E-09	7.944E-05	Inf	-9.444173	7.972E-05
18	1758	SESOc22gedFIT	NotS	6E-09	7.9688E-05	Inf	-9.441131	7.9975E-05
19	1759	SESOc12gedFIT	NotS	6E-09	7.903E-05	Inf	-9.449207	7.9299E-05

20	1760	SESOc21gedFIT	NotS	6E-09	7.9004E-05	Inf	-9.449547	7.9274E-05
21	1761	SESOs11stdFIT	NotS	1E-07	0.00030587	Inf	-8.217198	0.00033421
22	1762	SESOs22stdFIT	NotS	2E-07	0.00035688	Inf	-8.079452	0.00039328
23	1763	SESOs12stdFIT	NotS	2E-07	0.00035679	Inf	-8.079704	0.00039317
24	1764	SESOs21stdFIT	NotS	1E-07	0.00030592	Inf	-8.217047	0.00033426
25	1765	SESOe11stdFIT	S	1E-08	9.8431E-05	Inf	-9.23165	9.89E-05
26	1766	SESOe22stdFIT	NotS	1E-08	0.00011449	Inf	-9.078069	0.00011481
27	1767	SESOe12stdFIT	S	1E-08	9.802E-05	Inf	-9.235991	9.8502E-05
28	1768	SESOe21stdFIT	NotS	1E-08	0.0001138	Inf	-9.08434	0.00011414
29	1769	SESOg11stdFIT	NotS	2E-07	0.00036019	Inf	-8.074538	0.00039733
30	1770	SESOg22stdFIT	NotS	1E-07	0.00031023	Inf	-8.187864	0.00033625
31	1771	SESOg12stdFIT	NotS	2E-07	0.00039668	Inf	-7.985976	0.00043948
32	1772	SESOg21stdFIT	NotS	1E-07	0.00031037	Inf	-8.187457	0.00033641
33	1773	SESOi11stdFIT	NotS	1E-07	0.00032582	Inf	-8.165635	0.00035871
34	1774	SESOi22stdFIT	NotS	2E-07	0.00037103	Inf	-8.048111	0.00041082
35	1775	SESOi12stdFIT	NotS	2E-07	0.00037089	Inf	-8.048483	0.00041066
36	1776	SESOi21stdFIT	NotS	1E-07	0.00032578	Inf	-8.165753	0.00035866
37	1777	SESOc11stdFIT	NotS	3E-08	0.000177	Inf	-8.660756	0.00018026
38	1778	SESOc22stdFIT	NotS	3E-08	0.00017688	Inf	-8.661404	0.00018013
39	1779	SESOc12stdFIT	NotS	3E-08	0.0001812	Inf	-8.637201	0.00018451
40	1780	SESOc21stdFIT	NotS	3E-08	0.00017796	Inf	-8.655456	0.00018126
41	1781	SESOs11norFIT	NotS	4E-09	6.2323E-05	Inf	-9.690631	6.2745E-05
42	1782	SESOs22norFIT	NotS	4E-09	6.283E-05	Inf	-9.683366	6.3305E-05
43	1783	SESOs12norFIT	NotS	4E-09	6.2816E-05	Inf	-9.683585	6.3291E-05
44	1784	SESOs21norFIT	NotS	4E-09	6.2422E-05	Inf	-9.689163	6.2851E-05
45	1785	SESOe11norFIT	NotS	7E-09	8.336E-05	Inf	-9.411714	8.4669E-05
46	1786	SESOe22norFIT	NotS	8E-09	8.5746E-05	Inf	-9.386391	8.7391E-05
47	1787	SESOe12norFIT	NotS	8E-09	8.6811E-05	Inf	-9.374177	8.8377E-05
48	1788	SESOe21norFIT	NotS	8E-09	8.5917E-05	Inf	-9.385023	8.7626E-05
49	1789	SESOg11norFIT	NotS	5E-09	6.735E-05	Inf	-9.614998	6.7908E-05
50	1790	SESOg22norFIT	NotS	5E-09	6.8629E-05	Inf	-9.595371	6.916E-05
51	1791	SESOg12norFIT	NotS	5E-09	6.8577E-05	Inf	-9.598305	6.9222E-05
52	1792	SESOg21norFIT	NotS	5E-09	6.8264E-05	Inf	-9.600205	6.8765E-05
53	1793	SESOi11norFIT	NotS	8E-09	8.5543E-05	Inf	-9.407198	8.872E-05
54	1794	SESOi22norFIT	NotS	8E-09	8.398E-05	Inf	-9.423321	8.6936E-05
55	1795	SESOi12norFIT	NotS	8E-09	8.4051E-05	Inf	-9.422559	8.7016E-05
56	1796	SESOi21norFIT	NotS	8E-09	8.44E-05	Inf	-9.419097	8.7424E-05
57	1797	SESOc11norFIT	NotS	4E-09	6.0059E-05	Inf	-9.721019	6.0109E-05
58	1798	SESOc22norFIT	NotS	4E-09	5.9783E-05	Inf	-9.725563	5.9829E-05
59	1799	SESOc12norFIT	NotS	4E-09	5.9783E-05	Inf	-9.725568	5.9828E-05
60	1800	SESOc21norFIT	NotS	4E-09	5.9814E-05	Inf	-9.725046	5.9859E-05
1	1801	SETEs11gedFIT	NotS	4E-08	0.00011366	0.7863222	-7.430328	0.00019402
2	1802	SETEs22gedFIT	NotS	4E-08	0.0001127	0.7724159	-7.452282	0.00019271
3	1803	SETEs12gedFIT	NotS	4E-08	0.00011289	0.7751156	-7.446671	0.00019304
4	1804	SETEs21gedFIT	NotS	4E-08	0.00011363	0.7859189	-7.431115	0.00019397
5	1805	SETEe11gedFIT	S	4E-08	0.00011374	0.7880794	-7.418334	0.00019488
6	1806	SETEe22gedFIT	NotS	4E-08	0.00011374	0.7901813	-7.419132	0.00019486
7	1807	SETEe12gedFIT	S	4E-08	0.00011405	0.793203	-7.407802	0.0001954
8	1808	SETEe21gedFIT	NotS	4E-08	0.00011375	0.7901097	-7.419072	0.00019486
9	1809	SETEg11gedFIT	NotS	4E-08	0.00011156	0.7579577	-7.487226	0.00019065
10	1810	SETEg22gedFIT	NotS	3E-08	0.00011114	0.7623794	-7.541003	0.00018676
11	1811	SETEg12gedFIT	NotS	4E-08	0.00011123	0.7548435	-7.498291	0.00018989
12	1812	SETEg21gedFIT	NotS	3E-08	0.00011117	0.7625831	-7.540019	0.00018684
13	1813	SETEi11gedFIT	NotS	4E-08	0.00011388	0.797424	-7.510788	0.00018924
14	1814	SETEi22gedFIT	NotS	4E-08	0.00012474	0.9643675	-7.506317	0.00019313
15	1815	SETEi12gedFIT	NotS	4E-08	0.00012479	0.9651386	-7.505697	0.00019319
16	1816	SETEi21gedFIT	NotS	4E-08	0.00011351	0.791913	-7.508162	0.0001894
17	1817	SETEc11gedFIT	NotS	4E-08	0.00011079	0.7510497	-7.525387	0.00018814
18	1818	SETEc22gedFIT	NotS	4E-08	0.0001108	0.7509965	-7.524301	0.00018822
19	1819	SETEc12gedFIT	NotS	4E-08	0.00011086	0.7510763	-7.519259	0.0001886
20	1820	SETEc21gedFIT	NotS	4E-08	0.00011074	0.7512231	-7.531238	0.00018768
21	1821	SETEs11stdFIT	S	2E-07	0.00037476	2.759184	-7.229053	0.00044282
22	1822	SETEs22stdFIT	NotS	6E-07	0.00063944	4.068676	-6.964714	0.00075247
23	1823	SETEs12stdFIT	NotS	6E-07	0.00063838	4.063907	-6.965648	0.00075125
24	1824	SETEs21stdFIT	NotS	2E-07	0.00037766	2.775356	-7.225671	0.00044619
25	1825	SETEe11stdFIT	S	4E-08	0.00017065	1.407559	-7.533975	0.00020527
26	1826	SETEe22stdFIT	NotS	7E-08	0.000235	1.897041	-7.422656	0.00025565
27	1827	SETEe12stdFIT	S	4E-08	0.00017236	1.418266	-7.53079	0.00020703
28	1828	SETEe21stdFIT	NotS	6E-08	0.00023209	1.875908	-7.427593	0.00025309
29	1829	SETEg11stdFIT	NotS	4E-07	0.00054484	3.640272	-7.048774	0.00063871
30	1830	SETEg22stdFIT	NotS	1E-07	0.00029778	2.315762	-7.324745	0.00034966
31	1831	SETEg12stdFIT	NotS	5E-07	0.00057685	3.789225	-7.019555	0.00067753
32	1832	SETEg21stdFIT	NotS	1E-07	0.00028302	2.221484	-7.344953	0.00033357
33	1833	SETEi11stdFIT	NotS	2E-07	0.00039132	2.851689	-7.21047	0.00046464
34	1834	SETEi22stdFIT	NotS	6E-07	0.00066099	4.16082	-6.947844	0.00078107
35	1835	SETEi12stdFIT	NotS	6E-07	0.00066188	4.164788	-6.947073	0.00078211
36	1836	SETEi21stdFIT	NotS	2E-07	0.00039034	2.846275	-7.211588	0.00046351
37	1837	SETEc11stdFIT	NotS	9E-08	0.00027288	2.148578	-7.362144	0.0002971
38	1838	SETEc22stdFIT	NotS	9E-08	0.00026961	2.12614	-7.367365	0.00029391
39	1839	SETEc12stdFIT	NotS	8E-08	0.00026262	2.077753	-7.378622	0.00028727
40	1840	SETEc21stdFIT	NotS	9E-08	0.00028156	2.208019	-7.348336	0.00030554
41	1841	SETEs11norFIT	NotS	4E-08	0.00011414	0.7949124	-7.406394	0.00019535
42	1842	SETEs22norFIT	NotS	4E-08	0.00011404	0.7935712	-7.407492	0.00019528
43	1843	SETEs12norFIT	NotS	4E-08	0.00011403	0.7933658	-7.40798	0.00019525
44	1844	SETEs21norFIT	NotS	4E-08	0.00011421	0.7963034	-7.403827	0.00019549
45	1845	SETEe11norFIT	S	4E-08	0.00011098	0.7507463	-7.500936	0.00018979
46	1846	SETEe22norFIT	NotS	4E-08	0.00011205	0.7628262	-7.471256	0.00019185
47	1847	SETEe12norFIT	NotS	4E-08	0.00011057	0.7476459	-7.518584	0.00018843
48	1848	SETEe21norFIT	NotS	4E-08	0.00011208	0.7633657	-7.470108	0.00019192
49	1849	SETEg11norFIT	NotS	4E-08	0.00011276	0.7720732	-7.447339	0.00019319
50	1850	SETEg22norFIT	NotS	4E-08	0.0001127	0.7708108	-7.453643	0.00019287
51	1851	SETEg12norFIT	NotS	4E-08	0.00011276	0.7720268	-7.448002	0.00019316
52	1852	SETEg21norFIT	NotS	4E-08	0.00011265	0.7701387	-7.455657	0.00019275
53	1853	SETEi11norFIT	NotS	4E-08	0.00011332	0.787382	-7.4931	0.00019041
54	1854	SETEi22norFIT	NotS	4E-08	0.00012111	0.9051956	-7.494114	0.00019182
55	1855	SETEi12norFIT	NotS	4E-08	0.00012111	0.9051873	-7.494113	0.00019182
56	1856	SETEi21norFIT	NotS	4E-08	0.00011316	0.785393	-7.496439	0.00019019
57	1857	SETEc11norFIT	NotS	4E-08	0.00011349	0.7847216	-7.421701	0.0001947
58	1858	SETEc22norFIT	NotS	4E-08	0.00011371	0.7893583	-7.413311	0.00019517
59	1859	SETEc12norFIT	NotS	4E-08	0.00011371	0.7892735	-7.413597	0.00019515
60	1860	SETEc21norFIT	NotS	4E-08	0.0001138	0.7903334	-7.410788	0.00019528
1	1861	SEBEs11gedFIT	NotS	3E-09	3.2632E-05	0.4272295	-8.646575	5.5672E-05
2	1862	SEBEs22gedFIT	NotS	3E-09	3.3822E-05	0.4473205	-8.665939	5.4596E-05
3	1863	SEBEs12gedFIT	NotS	3E-09	3.3159E-05	0.4346994	-8.659982	5.4937E-05
4	1864	SEBEs21gedFIT	NotS	3E-09	3.3068E-05	0.4341469	-8.656733	5.5124E-05
5	1865	SEBEe11gedFIT	NotS	3E-09	3.4715E-05	0.4766387	-8.651232	5.5281E-05
6	1866	SEBEe22gedFIT	NotS	3E-09	3.4156E-05	0.4641731	-8.647104	5.5546E-05
7	1867	SEBEe12gedFIT	S	3E-09	3.4522E-05	0.4722127	-8.650342	5.5342E-05
8	1868	SEBEe21gedFIT	NotS	3E-09	3.4019E-05	0.4613724	-8.645913	5.5618E-05
9	1869	SEBEg11gedFIT	NotS	3E-09	3.6603E-05	0.511195	-8.665701	5.4645E-05
10	1870	SEBEg22gedFIT	NotS	4E-09	4.8098E-05	0.7500072	-8.617378	6.2292E-05
11	1871	SEBEg12gedFIT	NotS	3E-09	3.6975E-05	0.5178106	-8.666165	5.4564E-05
12	1872	SEBEg21gedFIT	NotS	4E-09	4.5072E-05	0.6951853	-8.630255	5.9939E-05
13	1873	SEBEi11gedFIT	NotS	3E-09	3.7088E-05	0.5320129	-8.654323	5.6542E-05
14	1874	SEBEi22gedFIT	NotS	3E-09	3.9145E-05	0.5726297	-8.649807	5.7717E-05
15	1875	SEBEi12gedFIT	NotS	3E-09	3.7131E-05	0.5331501	-8.653913	5.6608E-05
16	1876	SEBEi21gedFIT	NotS	3E-09	3.6329E-05	0.5154484	-8.654955	5.6198E-05
17	1877	SEBEc11gedFIT	NotS	3E-09	3.4452E-05	0.4662745	-8.659657	5.4878E-05
18	1878	SEBEc22gedFIT	NotS	3E-09	3.3037E-05	0.4562943	-8.583604	5.8326E-05
19	1879	SEBEc12gedFIT	NotS	3E-09	3.4161E-05	0.4600727	-8.65796	5.4992E-05
20	1880	SEBEc21gedFIT	NotS	3E-09	3.4138E-05	0.4597734	-8.657475	5.5017E-05
21	1881	SEBEs11stdFIT	NotS	2E-08	0.00013338	2.054906	-8.283858	0.00015503
22	1882	SEBEs22stdFIT	NotS	3E-08	0.00014423	2.19365	-8.250317	0.00016766
23	1883	SEBEs12stdFIT	NotS	3E-08	0.00014357	2.185056	-8.252412	0.00016692
24	1884	SEBEs21stdFIT	NotS	2E-08	0.00013466	2.072004	-8.279622	0.00015644
25	1885	SEBEe11stdFIT	S	6E-09	7.187E-05	1.248385	-8.48589	7.9854E-05

26	1886	SEBEe22stdFIT	NotS	6E-09	6.8393E-05	1.18491	-8.502806	7.6784E-05
27	1887	SEBEe12stdFIT	NotS	7E-09	7.9432E-05	1.375222	-8.4518	8.6543E-05
28	1888	SEBEe21stdFIT	NotS	1E-08	9.7221E-05	1.674551	-8.372732	0.00010316
29	1889	SEBEg11stdFIT	NotS	2E-08	0.00012861	2.014344	-8.291844	0.00014749
30	1890	SEBEg22stdFIT	NotS	2E-08	0.00012955	2.043361	-8.282921	0.00014661
31	1891	SEBEg12stdFIT	NotS	4E-08	0.00016624	2.495921	-8.175216	0.00018963
32	1892	SEBEg21stdFIT	NotS	2E-08	0.000131	2.066735	-8.276797	0.00014779
33	1893	SEBEi11stdFIT	NotS	3E-08	0.0001497	2.267289	-8.232527	0.00017391
34	1894	SEBEi22stdFIT	NotS	4E-08	0.00016603	2.466697	-8.185109	0.00019254
35	1895	SEBEi12stdFIT	NotS	4E-08	0.00016521	2.456636	-8.187504	0.00019163
36	1896	SEBEi21stdFIT	NotS	3E-08	0.00014288	2.176751	-8.254814	0.0001666
37	1897	SEBEc11stdFIT	NotS	6E-09	6.9301E-05	1.162211	-8.509384	7.8776E-05
38	1898	SEBEc22stdFIT	NotS	5E-09	5.936E-05	0.9633644	-8.562755	6.9415E-05
39	1899	SEBEc12stdFIT	NotS	5E-09	6.0052E-05	0.9761567	-8.559337	7.0086E-05
40	1900	SEBEc21stdFIT	NotS	4E-09	5.457E-05	0.8955555	-8.580522	6.5754E-05
41	1901	SEBEs11norFIT	NotS	3E-09	3.2549E-05	0.4260307	-8.643715	5.5825E-05
42	1902	SEBEs22norFIT	NotS	3E-09	3.2601E-05	0.4257989	-8.646978	5.5659E-05
43	1903	SEBEs12norFIT	NotS	3E-09	3.2605E-05	0.4258159	-8.647132	5.5651E-05
44	1904	SEBEs21norFIT	NotS	3E-09	3.2471E-05	0.4265332	-8.638444	5.608E-05
45	1905	SEBEe11norFIT	NotS	3E-09	4.3962E-05	0.6732814	-8.636942	5.8004E-05
46	1906	SEBEe22norFIT	NotS	3E-09	4.3008E-05	0.656715	-8.640131	5.746E-05
47	1907	SEBEe12norFIT	S	3E-09	4.5257E-05	0.6976519	-8.631366	5.8934E-05
48	1908	SEBEe21norFIT	NotS	3E-09	4.231E-05	0.6423377	-8.642803	5.7446E-05
49	1909	SEBEg11norFIT	NotS	3E-09	3.3588E-05	0.4468703	-8.65748	5.5023E-05
50	1910	SEBEg22norFIT	NotS	3E-09	3.4074E-05	0.4568146	-8.658752	5.4951E-05
51	1911	SEBEg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	1912	SEBEg21norFIT	NotS	3E-09	3.4057E-05	0.4566364	-8.658379	5.4977E-05
53	1913	SEBEi11norFIT	NotS	3E-09	3.5291E-05	0.4911029	-8.653695	5.5864E-05
54	1914	SEBEi22norFIT	NotS	3E-09	3.6165E-05	0.511888	-8.654424	5.6185E-05
55	1915	SEBEi12norFIT	NotS	3E-09	3.616E-05	0.5117684	-8.654416	5.6184E-05
56	1916	SEBEi21norFIT	NotS	3E-09	3.4911E-05	0.4824982	-8.652491	5.5795E-05
57	1917	SEBEc11norFIT	NotS	3E-09	3.2634E-05	0.4388436	-8.618127	5.698E-05
58	1918	SEBEc22norFIT	NotS	4E-09	3.3455E-05	0.4764062	-8.554101	5.9305E-05
59	1919	SEBEc12norFIT	NotS	3E-09	3.3386E-05	0.4721851	-8.56029	5.9113E-05
60	1920	SEBEc21norFIT	NotS	3E-09	3.2597E-05	0.4335209	-8.62997	5.6463E-05
1	1921	SEETs11gedFIT	NotS	2E-09	3.1291E-05	0.9749483	-9.047775	4.504E-05
2	1922	SEETs22gedFIT	NotS	2E-09	3.4397E-05	1.120076	-9.033031	4.6593E-05
3	1923	SEETs12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
4	1924	SEETs21gedFIT	NotS	2E-09	3.1305E-05	0.9772335	-9.048701	4.4977E-05
5	1925	SEETe11gedFIT	S	2E-09	2.8671E-05	0.868944	-9.032369	4.4768E-05
6	1926	SEETe22gedFIT	NotS	2E-09	2.9166E-05	0.902709	-9.021894	4.5138E-05
7	1927	SEETe12gedFIT	S	2E-09	2.8413E-05	0.8498475	-9.032225	4.4804E-05
8	1928	SEETe21gedFIT	NotS	2E-09	2.9205E-05	0.9053669	-9.022055	4.5135E-05
9	1929	SEETg11gedFIT	NotS	3E-09	4.0756E-05	1.401895	-8.978707	5.0328E-05
10	1930	SEETg22gedFIT	NotS	7E-09	7.2441E-05	2.393168	-8.759438	8.6228E-05
11	1931	SEETg12gedFIT	NotS	3E-09	4.8682E-05	1.684429	-8.916096	5.8012E-05
12	1932	SEETg21gedFIT	NotS	7E-09	7.2369E-05	2.391447	-8.759833	8.6152E-05
13	1933	SEETi11gedFIT	NotS	3E-09	4.3209E-05	1.436991	-8.97084	5.5921E-05
14	1934	SEETi22gedFIT	NotS	4E-09	5.19E-05	1.725293	-8.913328	6.5812E-05
15	1935	SEETi12gedFIT	NotS	4E-09	4.9699E-05	1.655022	-8.92785	6.3254E-05
16	1936	SEETi21gedFIT	NotS	3E-09	4.2833E-05	1.424079	-8.973216	5.5515E-05
17	1937	SEETc11gedFIT	NotS	2E-09	3.0196E-05	0.9332403	-9.04083	4.4827E-05
18	1938	SEETc22gedFIT	NotS	2E-09	3.0161E-05	0.9315468	-9.041074	4.4811E-05
19	1939	SEETc12gedFIT	NotS	2E-09	2.9905E-05	0.9188675	-9.039642	4.483E-05
20	1940	SEETc21gedFIT	NotS	2E-09	3.0227E-05	0.9351961	-9.041334	4.4805E-05
21	1941	SEETs11stdFIT	NotS	2E-08	0.00010329	3.050877	-8.619801	0.00012398
22	1942	SEETs22stdFIT	NotS	2E-08	0.00013236	3.622429	-8.499092	0.00015798
23	1943	SEETs12stdFIT	NotS	3E-08	0.00013349	3.643612	-8.494642	0.00015926
24	1944	SEETs21stdFIT	NotS	2E-08	0.00010326	3.050342	-8.619916	0.00012395
25	1945	SEETe11stdFIT	S	6E-09	7.159E-05	2.461563	-8.730492	7.7806E-05
26	1946	SEETe22stdFIT	NotS	6E-09	6.8316E-05	2.39958	-8.746771	7.5278E-05
27	1947	SEETe12stdFIT	S	6E-09	6.8079E-05	2.355058	-8.754867	7.4619E-05
28	1948	SEETe21stdFIT	NotS	6E-09	6.8344E-05	2.399946	-8.746642	7.529E-05
29	1949	SEETg11stdFIT	NotS	9E-08	0.00025449	5.64345	-8.092978	0.00029412
30	1950	SEETg22stdFIT	NotS	2E-08	0.00013192	3.705941	-8.471539	0.00015173
31	1951	SEETg12stdFIT	NotS	1E-07	0.00026708	5.816471	-8.061382	0.0003089
32	1952	SEETg21stdFIT	NotS	2E-08	0.00012872	3.644255	-8.484551	0.00014816
33	1953	SEETi11stdFIT	NotS	2E-08	0.00011079	3.203817	-8.588784	0.00013368
34	1954	SEETi22stdFIT	NotS	3E-08	0.00013792	3.722786	-8.47955	0.00016519
35	1955	SEETi12stdFIT	NotS	3E-08	0.00013792	3.72293	-8.47952	0.00016519
36	1956	SEETi21stdFIT	NotS	2E-08	0.00011077	3.203407	-8.588871	0.00013366
37	1957	SEETc11stdFIT	NotS	3E-09	4.2766E-05	1.478289	-8.961161	5.2515E-05
38	1958	SEETc22stdFIT	NotS	3E-09	4.2834E-05	1.480965	-8.96058	5.257E-05
39	1959	SEETc12stdFIT	NotS	3E-09	4.2796E-05	1.479427	-8.960916	5.2541E-05
40	1960	SEETc21stdFIT	NotS	3E-09	4.2844E-05	1.48095	-8.960621	5.2589E-05
41	1961	SEETs11norFIT	NotS	2E-09	3.1465E-05	0.9750338	-9.042924	4.5443E-05
42	1962	SEETs22norFIT	NotS	2E-09	3.3414E-05	1.066265	-9.035445	4.6462E-05
43	1963	SEETs12norFIT	NotS	2E-09	3.322E-05	1.058145	-9.036731	4.6312E-05
44	1964	SEETs21norFIT	NotS	2E-09	3.1755E-05	0.9883378	-9.041515	4.561E-05
45	1965	SEETe11norFIT	S	3E-09	4.0445E-05	1.37794	-8.985708	5.0429E-05
46	1966	SEETe22norFIT	NotS	2E-09	3.7095E-05	1.261321	-9.0065	4.7356E-05
47	1967	SEETe12norFIT	S	3E-09	4.2282E-05	1.440692	-8.972597	5.2379E-05
48	1968	SEETe21norFIT	NotS	2E-09	3.7941E-05	1.296531	-8.999231	4.8163E-05
49	1969	SEETg11norFIT	NotS	2E-09	3.8744E-05	1.319044	-8.995627	4.9376E-05
50	1970	SEETg22norFIT	NotS	3E-09	4.2636E-05	1.466257	-8.963802	5.3271E-05
51	1971	SEETg12norFIT	NotS	3E-09	4.0807E-05	1.395119	-8.979988	5.1294E-05
52	1972	SEETg21norFIT	NotS	3E-09	4.2593E-05	1.465259	-8.963847	5.3276E-05
53	1973	SEETi11norFIT	NotS	3E-09	3.8132E-05	1.249424	-9.002116	5.1072E-05
54	1974	SEETi22norFIT	NotS	3E-09	4.1503E-05	1.372687	-8.981862	5.4295E-05
55	1975	SEETi12norFIT	NotS	3E-09	4.1461E-05	1.371178	-8.982124	5.4252E-05
56	1976	SEETi21norFIT	NotS	3E-09	3.7698E-05	1.231605	-9.004627	5.0666E-05
57	1977	SEETc11norFIT	NotS	2E-09	2.7815E-05	0.7871513	-8.972626	4.6449E-05
58	1978	SEETc22norFIT	NotS	2E-09	2.7878E-05	0.7942299	-8.96288	4.6628E-05
59	1979	SEETc12norFIT	NotS	2E-09	2.7858E-05	0.7931574	-8.967513	4.6537E-05
60	1980	SEETc21norFIT	NotS	2E-09	2.779E-05	0.785681	-8.971337	4.6476E-05
1	1981	SECHs11gedFIT	NotS	7E-09	5.3479E-05	0.756554	-8.265759	8.282E-05
2	1982	SECHs22gedFIT	NotS	7E-09	5.3359E-05	0.7511299	-8.287861	8.1725E-05
3	1983	SECHs12gedFIT	NotS	7E-09	5.3557E-05	0.7548799	-8.287278	8.1754E-05
4	1984	SECHs21gedFIT	NotS	7E-09	5.3516E-05	0.7563714	-8.271771	8.2534E-05
5	1985	SECHe11gedFIT	S	7E-09	5.3063E-05	0.7621478	-8.251745	8.3537E-05
6	1986	SECHe22gedFIT	NotS	7E-09	5.3595E-05	0.7805092	-8.2449	8.3892E-05
7	1987	SECHe12gedFIT	S	7E-09	5.318E-05	0.7640668	-8.244835	8.3847E-05
8	1988	SECHe21gedFIT	NotS	7E-09	5.3568E-05	0.7796671	-8.245415	8.3861E-05
9	1989	SECHg11gedFIT	NotS	6E-09	5.6632E-05	0.8586074	-8.34113	7.8237E-05
10	1990	SECHg22gedFIT	NotS	7E-09	6.6602E-05	1.080443	-8.310028	8.4017E-05
11	1991	SECHg12gedFIT	NotS	No Resu	No Result	No Result	No Result	No Result
12	1992	SECHg21gedFIT	NotS	9E-09	7.6552E-05	1.262827	-8.272932	9.3861E-05
13	1993	SECHi11gedFIT	NotS	7E-09	5.5536E-05	0.7962047	-8.303004	8.121E-05
14	1994	SECHi22gedFIT	NotS	7E-09	5.6898E-05	0.8273698	-8.3141	8.1024E-05
15	1995	SECHi12gedFIT	NotS	7E-09	5.6521E-05	0.8188987	-8.311892	8.1007E-05
16	1996	SECHi21gedFIT	NotS	7E-09	5.5283E-05	0.7905833	-8.299249	8.1346E-05
17	1997	SECHc11gedFIT	NotS	8E-09	5.5201E-05	0.8247927	-8.125559	8.8063E-05
18	1998	SECHc22gedFIT	NotS	8E-09	5.6601E-05	0.8906845	-8.020866	9.0715E-05
19	1999	SECHc12gedFIT	NotS	8E-09	5.6729E-05	0.8966272	-8.013252	9.0882E-05
20	2000	SECHc21gedFIT	NotS	8E-09	5.5417E-05	0.8333325	-8.112443	8.8438E-05
21	2001	SECHs11stdFIT	NotS	9E-09	7.6559E-05	1.233174	-8.278527	9.6197E-05
22	2002	SECHs22stdFIT	NotS	1E-08	8.5747E-05	1.381544	-8.24673	0.00010697
23	2003	SECHs12stdFIT	NotS	1E-08	8.5784E-05	1.38212	-8.246605	0.00010701
24	2004	SECHs21stdFIT	NotS	9E-09	7.6441E-05	1.231152	-8.278933	9.6074E-05
25	2005	SECHe11stdFIT	S	9E-09	8.0847E-05	1.405798	-8.242921	9.3402E-05
26	2006	SECHe22stdFIT	NotS	1E-08	9.858E-05	1.727995	-8.167424	0.00011069
27	2007	SECHe12stdFIT	S	9E-09	8.088E-05	1.40345	-8.243386	9.345E-05
28	2008	SECHe21stdFIT	NotS	1E-08	9.7963E-05	1.718007	-8.169791	0.0001101
29	2009	SECHg11stdFIT	NotS	2E-08	0.00012281	1.92813	-8.121076	0.00014772
30	2010	SECHg22stdFIT	NotS	2E-08	0.00012009	1.9216	-8.121577	0.00014227
31	2011	SECHg12stdFIT	NotS	3E-08	0.00013861	2.120885	-8.075902	0.00016634

32	2012	SECHg21stdFIT	NotS	2E-08	0.00011989	1.920422	-8.121825	0.0001419
33	2013	SECHi11stdFIT	NotS	No Resu	No Result	No Result	No Result	No Result
34	2014	SECHi22stdFIT	NotS	1E-08	8.8832E-05	1.428172	-8.236305	0.00011093
35	2015	SECHi12stdFIT	NotS	1E-08	8.8956E-05	1.430051	-8.235894	0.00011108
36	2016	SECHi21stdFIT	NotS	1E-08	7.8793E-05	1.269489	-8.270394	9.9043E-05
37	2017	SECHc11stdFIT	NotS	7E-09	5.326E-05	0.7612256	-8.281537	8.2043E-05
38	2018	SECHc22stdFIT	NotS	8E-09	5.5671E-05	0.8457602	-8.080381	8.9298E-05
39	2019	SECHc12stdFIT	NotS	8E-09	5.5916E-05	0.8574335	-8.065214	8.968E-05
40	2020	SECHc21stdFIT	NotS	7E-09	5.3345E-05	0.763213	-8.29973	8.1035E-05
41	2021	SECHs11norFIT	NotS	7E-09	5.4114E-05	0.7825011	-8.18337	8.617E-05
42	2022	SECHs22norFIT	NotS	7E-09	5.392E-05	0.7757754	-8.194627	8.5763E-05
43	2023	SECHs12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
44	2024	SECHs21norFIT	NotS	7E-09	5.4075E-05	0.7810661	-8.18692	8.6045E-05
45	2025	SECHe11norFIT	S	6E-09	5.3851E-05	0.784899	-8.343238	7.8023E-05
46	2026	SECHe22norFIT	NotS	6E-09	5.4989E-05	0.8147843	-8.338396	7.8365E-05
47	2027	SECHe12norFIT	S	6E-09	5.4259E-05	0.7940833	-8.344501	7.7906E-05
48	2028	SECHe21norFIT	S	6E-09	5.5283E-05	0.8221965	-8.337674	7.8439E-05
49	2029	SECHg11norFIT	NotS	7E-09	5.2916E-05	0.7588992	-8.280041	8.2127E-05
50	2030	SECHg22norFIT	NotS	7E-09	5.3184E-05	0.7702181	-8.287371	8.1706E-05
51	2031	SECHg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	2032	SECHg21norFIT	NotS	7E-09	5.3243E-05	0.7695878	-8.278259	8.2203E-05
53	2033	SECHi11norFIT	NotS	7E-09	5.4027E-05	0.7706337	-8.250522	8.3496E-05
54	2034	SECHi22norFIT	NotS	7E-09	5.4254E-05	0.7724559	-8.265924	8.2809E-05
55	2035	SECHi12norFIT	NotS	7E-09	5.4256E-05	0.7724802	-8.266021	8.2804E-05
56	2036	SECHi21norFIT	NotS	7E-09	5.402E-05	0.7706739	-8.249822	8.3526E-05
57	2037	SECHc11norFIT	NotS	8E-09	5.6665E-05	0.8913313	-8.024352	9.0629E-05
58	2038	SECHc22norFIT	NotS	8E-09	5.6644E-05	0.8900664	-8.025477	9.0601E-05
59	2039	SECHc12norFIT	NotS	8E-09	5.6669E-05	0.891542	-8.024036	9.0636E-05
60	2040	SECHc21norFIT	NotS	8E-09	5.6665E-05	0.8913326	-8.02435	9.0629E-05
1	2041	SEAPs11gedFIT	NotS	3E-08	0.00011895	0.9355007	-7.544493	0.00017853
2	2042	SEAPs22gedFIT	NotS	3E-08	0.00011974	0.9532917	-7.550843	0.00017786
3	2043	SEAPs12gedFIT	NotS	3E-08	0.0001199	0.9569622	-7.552098	0.00017773
4	2044	SEAPs21gedFIT	NotS	3E-08	0.00011924	0.9417336	-7.548147	0.0001781
5	2045	SEAPe11gedFIT	S	3E-08	0.00011872	0.9063735	-7.490154	0.00018416
6	2046	SEAPe22gedFIT	NotS	3E-08	0.00011876	0.9087316	-7.513632	0.00018208
7	2047	SEAPe12gedFIT	NotS	3E-08	0.00011845	0.9041994	-7.477588	0.00018527
8	2048	SEAPe21gedFIT	NotS	3E-08	0.00011878	0.909233	-7.514927	0.00018196
9	2049	SEAPg11gedFIT	NotS	3E-08	0.00013175	1.134672	-7.56672	0.00017706
10	2050	SEAPg22gedFIT	NotS	3E-08	0.0001316	1.131132	-7.566617	0.00017674
11	2051	SEAPg12gedFIT	NotS	3E-08	0.00013445	1.165859	-7.562552	0.00017896
12	2052	SEAPg21gedFIT	NotS	3E-08	0.00013095	1.122941	-7.567297	0.00017651
13	2053	SEAPi11gedFIT	NotS	3E-08	0.00012008	0.9595057	-7.552636	0.00017766
14	2054	SEAPi22gedFIT	NotS	3E-08	0.00012075	0.9736997	-7.555621	0.00017742
15	2055	SEAPi12gedFIT	NotS	3E-08	0.00012118	0.9817151	-7.557741	0.00017721
16	2056	SEAPi21gedFIT	NotS	3E-08	0.0001201	0.9600725	-7.552739	0.00017765
17	2057	SEAPc11gedFIT	NotS	4E-08	0.00011767	0.9127477	-7.420503	0.00018962
18	2058	SEAPc22gedFIT	NotS	4E-08	0.00011782	0.9166906	-7.409957	0.00019033
19	2059	SEAPc12gedFIT	NotS	4E-08	0.00011775	0.914651	-7.415283	0.00018998
20	2060	SEAPc21gedFIT	NotS	4E-08	0.00011764	0.9116703	-7.423725	0.0001894
21	2061	SEAPs11stdFIT	NotS	3E-08	0.00013799	1.200138	-7.557064	0.00018282
22	2062	SEAPs22stdFIT	NotS	3E-08	0.0001436	1.251087	-7.549548	0.00018675
23	2063	SEAPs12stdFIT	NotS	3E-08	0.0001436	1.251143	-7.549542	0.00018675
24	2064	SEAPs21stdFIT	NotS	3E-08	0.00013792	1.199508	-7.557128	0.00018279
25	2065	SEAPe11stdFIT	S	4E-08	0.00018553	1.651487	-7.473618	0.00021002
26	2066	SEAPe22stdFIT	NotS	6E-08	0.00022429	1.972533	-7.400725	0.000247
27	2067	SEAPe12stdFIT	S	5E-08	0.00019145	1.698904	-7.463633	0.00021539
28	2068	SEAPe21stdFIT	NotS	6E-08	0.00022365	1.9675	-7.401895	0.00024639
29	2069	SEAPg11stdFIT	NotS	5E-08	0.00018302	1.59995	-7.487022	0.00021514
30	2070	SEAPg22stdFIT	NotS	4E-08	0.00017141	1.507973	-7.505422	0.00020378
31	2071	SEAPg12stdFIT	NotS	5E-08	0.0001844	1.608829	-7.485152	0.00021756
32	2072	SEAPg21stdFIT	NotS	4E-08	0.00017044	1.500088	-7.507	0.00020292
33	2073	SEAPi11stdFIT	NotS	4E-08	0.00014496	1.264028	-7.547273	0.00018766
34	2074	SEAPi22stdFIT	NotS	4E-08	0.00014831	1.294296	-7.542511	0.00019043
35	2075	SEAPi12stdFIT	NotS	4E-08	0.00014845	1.295601	-7.542313	0.00019054
36	2076	SEAPi21stdFIT	NotS	4E-08	0.00014561	1.27	-7.546408	0.00018812
37	2077	SEAPc11stdFIT	NotS	3E-08	0.00011717	0.8993967	-7.495225	0.00018367
38	2078	SEAPc22stdFIT	NotS	3E-08	0.00011713	0.8991058	-7.489465	0.0001842
39	2079	SEAPc12stdFIT	NotS	3E-08	0.00011719	0.8996217	-7.497244	0.00018348
40	2080	SEAPc21stdFIT	NotS	3E-08	0.00011712	0.8990406	-7.488071	0.00018432
41	2081	SEAPs11norFIT	NotS	4E-08	0.00011709	0.9034389	-7.446937	0.00018769
42	2082	SEAPs22norFIT	NotS	3E-08	0.00011693	0.9001366	-7.470901	0.00018578
43	2083	SEAPs12norFIT	NotS	3E-08	0.00011694	0.900459	-7.466757	0.00018613
44	2084	SEAPs21norFIT	NotS	4E-08	0.00011714	0.9043649	-7.443376	0.00018796
45	2085	SEAPe11norFIT	S	3E-08	0.00012173	0.996222	-7.565618	0.00017628
46	2086	SEAPe22norFIT	NotS	3E-08	0.00012163	0.9914344	-7.563839	0.00017636
47	2087	SEAPe12norFIT	S	3E-08	0.00012511	1.050683	-7.56704	0.00017718
48	2088	SEAPe21norFIT	NotS	3E-08	0.0001217	0.9921742	-7.563937	0.00017633
49	2089	SEAPg11norFIT	NotS	3E-08	0.00011756	0.8972616	-7.497562	0.00018346
50	2090	SEAPg22norFIT	NotS	3E-08	0.0001178	0.9016717	-7.513836	0.00018186
51	2091	SEAPg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	2092	SEAPg21norFIT	NotS	3E-08	0.00011782	0.9019013	-7.514293	0.00018181
53	2093	SEAPi11norFIT	NotS	3E-08	0.00011747	0.907434	-7.508162	0.00018241
54	2094	SEAPi22norFIT	NotS	3E-08	0.00011742	0.9068423	-7.506221	0.0001826
55	2095	SEAPi12norFIT	NotS	3E-08	0.00011743	0.9069583	-7.506506	0.00018257
56	2096	SEAPi21norFIT	NotS	3E-08	0.00011741	0.9063146	-7.505334	0.00018268
57	2097	SEAPc11norFIT	NotS	4E-08	0.00011885	0.9414292	-7.354453	0.0001937
58	2098	SEAPc22norFIT	NotS	4E-08	0.00011885	0.9414293	-7.354453	0.0001937
59	2099	SEAPc12norFIT	NotS	4E-08	0.00011885	0.9414302	-7.354451	0.00019371
60	2100	SEAPc21norFIT	NotS	4E-08	0.00011875	0.9390857	-7.359069	0.00019344
1	2101	BITCs11gedFIT	S	2E-05	0.00391859	11.11326	-5.356598	0.00452498
2	2102	BITCs22gedFIT	NotS	2E-05	0.00358043	10.64704	-5.419081	0.00413447
3	2103	BITCs12gedFIT	S	2E-05	0.00358867	10.65889	-5.417483	0.00414388
4	2104	BITCs21gedFIT	NotS	2E-05	0.00390393	11.09364	-5.359222	0.00450783
5	2105	BITCe11gedFIT	NotS	3E-06	0.00119222	5.761365	-6.056676	0.00158925
6	2106	BITCe22gedFIT	NotS	2E-06	0.00116702	5.634684	-6.069895	0.00157833
7	2107	BITCe12gedFIT	NotS	2E-06	0.00117131	5.65972	-6.06707	0.00158014
8	2108	BITCe21gedFIT	NotS	2E-06	0.00115953	5.598483	-6.073231	0.00157539
9	2109	BITCg11gedFIT	NotS	2E-05	0.00404328	11.26877	-5.336005	0.00467572
10	2110	BITCg22gedFIT	NotS	2E-05	0.00388692	11.05195	-5.365059	0.00449974
11	2111	BITCg12gedFIT	NotS	2E-05	0.0036574	10.74653	-5.405862	0.00422745
12	2112	BITCg21gedFIT	NotS	2E-05	0.00341309	10.42006	-5.44965	0.00393356
13	2113	BITCi11gedFIT	NotS	2E-05	0.00414945	11.36999	-5.323024	0.0048287
14	2114	BITCi22gedFIT	NotS	2E-05	0.00374046	10.83742	-5.393922	0.00434241
15	2115	BITCi12gedFIT	NotS	2E-05	0.00372758	10.81981	-5.396281	0.00432734
16	2116	BITCi21gedFIT	NotS	2E-05	0.00415596	11.37847	-5.321893	0.00483637
17	2117	BITCc11gedFIT	NotS	5E-06	0.00193964	8.034584	-5.775702	0.00219053
18	2118	BITCc22gedFIT	NotS	5E-06	0.00194602	8.030929	-5.772458	0.0022154
19	2119	BITCc12gedFIT	S	5E-06	0.00196955	8.083256	-5.765408	0.00223928
20	2120	BITCc21gedFIT	NotS	4E-06	0.0017302	7.458263	-5.852314	0.00201561
21	2121	BITCs11stdFIT	NotS	3E-05	0.00440978	11.75215	-5.271432	0.00510111
22	2122	BITCs22stdFIT	NotS	2E-05	0.00401111	11.23957	-5.339557	0.00463397
23	2123	BITCs12stdFIT	NotS	2E-05	0.00406704	11.31336	-5.32968	0.00469955
24	2124	BITCs21stdFIT	NotS	3E-05	0.00464235	12.05934	-5.230239	0.0053664
25	2125	BITCe11stdFIT	NotS	5E-06	0.0019872	8.347106	-5.73169	0.00216384
26	2126	BITCe22stdFIT	NotS	4E-06	0.00191147	8.134479	-5.759866	0.0020993
27	2127	BITCe12stdFIT	NotS	4E-06	0.00192616	8.18138	-5.754008	0.00211059
28	2128	BITCe21stdFIT	NotS	4E-06	0.00191362	8.140339	-5.759145	0.00210124
29	2129	BITCg11stdFIT	NotS	4E-05	0.00513842	12.60643	-5.15915	0.00596503
30	2130	BITCg22stdFIT	NotS	2E-05	0.00427607	11.56862	-5.296001	0.00495324
31	2131	BITCg12stdFIT	NotS	2E-05	0.00409241	11.33921	-5.32642	0.00473275
32	2132	BITCg21stdFIT	NotS	2E-05	0.00395749	11.17787	-5.347803	0.00456415
33	2133	BITCi11stdFIT	NotS	3E-05	0.00468063	12.03233	-5.235256	0.00545957
34	2134	BITCi22stdFIT	NotS	2E-05	0.00420565	11.45622	-5.31123	0.00488843
35	2135	BITCi12stdFIT	NotS	2E-05	0.0042057	11.45627	-5.311224	0.0048885
36	2136	BITCi21stdFIT	NotS	3E-05	0.00468008	12.03157	-5.235358	0.00545896
37	2137	BITCc11stdFIT	NotS	5E-06	0.00201374	8.114847	-5.76348	0.00230152

38	2138	BiTCc22stdFIT	NotS	6E-06	0.00222873	8.625211	-5.691341	0.00251767
39	2139	BiTCc12stdFIT	NotS	6E-06	0.00222906	8.625899	-5.691247	0.00251802
40	2140	BiTCc21stdFIT	NotS	5E-06	0.00191012	7.878886	-5.795352	0.00220038
41	2141	BiTCs11norFIT	NotS	3E-05	0.00444243	11.81777	-5.262102	0.00512768
42	2142	BiTCs22norFIT	NotS	2E-05	0.00346966	10.49109	-5.440069	0.00400606
43	2143	BiTCs12norFIT	NotS	2E-05	0.00360983	10.69609	-5.412339	0.00416527
44	2144	BiTCs21norFIT	NotS	2E-05	0.00376809	10.98504	-5.371938	0.00431467
45	2145	BiTCe11norFIT	S	7E-06	0.00246942	9.445635	-5.582094	0.00262491
46	2146	BiTCe22norFIT	NotS	7E-06	0.00241918	9.29521	-5.606261	0.00259553
47	2147	BiTCe12norFIT	S	7E-06	0.00242316	9.2881	-5.607472	0.00260437
48	2148	BiTCe21norFIT	NotS	8E-06	0.0026809	9.730668	-5.544593	0.00288427
49	2149	BiTCg11norFIT	NotS	2E-05	0.00381106	10.96822	-5.376014	0.00439938
50	2150	BiTCg22norFIT	NotS	2E-05	0.00405681	11.27929	-5.334746	0.00469891
51	2151	BiTCg12norFIT	NotS	2E-05	0.00381323	10.96668	-5.376228	0.00440647
52	2152	BiTCg21norFIT	NotS	1E-05	0.00332606	10.32216	-5.462373	0.00382089
53	2153	BiTCi11norFIT	NotS	2E-05	0.00376998	10.87997	-5.388203	0.00437596
54	2154	BiTCi22norFIT	NotS	2E-05	0.0036589	10.73583	-5.407344	0.00424222
55	2155	BiTCi12norFIT	NotS	2E-05	0.0036579	10.73446	-5.407527	0.00424105
56	2156	BiTCi21norFIT	NotS	2E-05	0.00377011	10.88016	-5.388177	0.0043761
57	2157	BiTCc11norFIT	S	5E-06	0.00192808	7.968706	-5.782918	0.00219739
58	2158	BiTCc22norFIT	NotS	6E-06	0.00217278	8.566016	-5.698852	0.00242996
59	2159	BiTCc12norFIT	NotS	5E-06	0.00208076	8.350982	-5.728709	0.00234257
60	2160	BiTCc21norFIT	NotS	5E-06	0.00192817	7.968936	-5.782887	0.00219747
1	2161	LiTCs11gedFIT	S	4E-05	0.00563112	5.644423	-4.691908	0.00644813
2	2162	LiTCs22gedFIT	NotS	5E-05	0.00610803	5.933251	-4.642828	0.00701743
3	2163	LiTCs12gedFIT	NotS	4E-05	0.00554615	5.582707	-4.702457	0.00635957
4	2164	LiTCs21gedFIT	NotS	4E-05	0.00577506	5.734951	-4.676479	0.00661817
5	2165	LiTCe11gedFIT	NotS	1E-05	0.00256236	3.261488	-5.074331	0.00350362
6	2166	LiTCe22gedFIT	NotS	1E-05	0.00254917	3.243524	-5.076471	0.00349767
7	2167	LiTCe12gedFIT	NotS	1E-05	0.00236052	2.996367	-5.104617	0.00342458
8	2168	LiTCe21gedFIT	NotS	1E-05	0.00236256	2.997344	-5.103883	0.00342655
9	2169	LiTCg11gedFIT	NotS	4E-05	0.00551599	5.5792	-4.703049	0.0063031
10	2170	LiTCg22gedFIT	NotS	4E-05	0.00530957	5.456434	-4.724028	0.00604952
11	2171	LiTCg12gedFIT	NotS	4E-05	0.00582035	5.776081	-4.669447	0.00665647
12	2172	LiTCg21gedFIT	NotS	4E-05	0.00544921	5.550955	-4.707826	0.00620449
13	2173	LiTCi11gedFIT	NotS	4E-05	0.0057798	5.712156	-4.680292	0.0066624
14	2174	LiTCi22gedFIT	NotS	4E-05	0.0056665	5.639606	-4.692682	0.00653017
15	2175	LiTCi12gedFIT	NotS	4E-05	0.0057519	5.697508	-4.68284	0.00662647
16	2176	LiTCi21gedFIT	NotS	5E-05	0.00598757	5.845449	-4.657653	0.00690311
17	2177	LiTCc11gedFIT	S	1E-05	0.00233282	2.966253	-5.116105	0.00340008
18	2178	LiTCc22gedFIT	NotS	1E-05	0.00239979	3.061871	-5.104695	0.00342617
19	2179	LiTCc12gedFIT	S	1E-05	0.00239559	3.056262	-5.105365	0.00342461
20	2180	LiTCc21gedFIT	NotS	1E-05	0.00262996	3.270953	-5.08441	0.00351152
21	2181	LiTCs11stdFIT	NotS	3E-05	0.00434108	4.768259	-4.841862	0.00502091
22	2182	LiTCs22stdFIT	NotS	3E-05	0.00442565	4.828035	-4.831711	0.00511092
23	2183	LiTCs12stdFIT	NotS	3E-05	0.00442584	4.828169	-4.831688	0.00511111
24	2184	LiTCs21stdFIT	NotS	3E-05	0.00434182	4.768792	-4.841771	0.00502167
25	2185	LiTCe11stdFIT	NotS	0.0003	0.01719974	10.89014	-3.841185	0.01745436
26	2186	LiTCe22stdFIT	NotS	0.0003	0.01781382	11.0738	-3.81369	0.01808342
27	2187	LiTCe12stdFIT	NotS	0.0003	0.01733565	10.93026	-3.835116	0.01759443
28	2188	LiTCe21stdFIT	NotS	0.0003	0.01782828	11.07758	-3.813116	0.01809976
29	2189	LiTCg11stdFIT	NotS	2E-05	0.00432059	4.764098	-4.842772	0.00498838
30	2190	LiTCg22stdFIT	NotS	2E-05	0.00404995	4.571554	-4.875841	0.00469275
31	2191	LiTCg12stdFIT	NotS	3E-05	0.00441658	4.83338	-4.830972	0.0050896
32	2192	LiTCg21stdFIT	NotS	2E-05	0.00404985	4.571481	-4.875854	0.00469266
33	2193	LiTCi11stdFIT	NotS	3E-05	0.0046287	4.956176	-4.80948	0.00534345
34	2194	LiTCi22stdFIT	NotS	3E-05	0.00464737	4.972183	-4.806866	0.00536135
35	2195	LiTCi12stdFIT	NotS	3E-05	0.00464847	4.972941	-4.806736	0.00536254
36	2196	LiTCi21stdFIT	NotS	3E-05	0.00462933	4.956612	-4.809405	0.00534412
37	2197	LiTCc11stdFIT	NotS	1E-05	0.00200028	2.460382	-5.135932	0.00336048
38	2198	LiTCc22stdFIT	NotS	1E-05	0.00202104	2.496381	-5.136732	0.00335963
39	2199	LiTCc12stdFIT	NotS	1E-05	0.00201719	2.489195	-5.136991	0.00335924
40	2200	LiTCc21stdFIT	NotS	1E-05	0.002009	2.476307	-5.136162	0.00336026
41	2201	LiTCs11norFIT	S	2E-05	0.00427544	4.903842	-4.821728	0.00480292
42	2202	LiTCs22norFIT	NotS	2E-05	0.00439324	4.992251	-4.806468	0.00491419
43	2203	LiTCs12norFIT	NotS	2E-05	0.00439345	4.992369	-4.806447	0.00491441
44	2204	LiTCs21norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
45	2205	LiTCe11norFIT	S	4E-05	0.00624052	6.307148	-4.581213	0.00668579
46	2206	LiTCe22norFIT	NotS	4E-05	0.00599072	6.153457	-4.607161	0.0064287
47	2207	LiTCe12norFIT	S	4E-05	0.00624393	6.308367	-4.580934	0.00668918
48	2208	LiTCe21norFIT	S	5E-05	0.00635779	6.369124	-4.570577	0.00681903
49	2209	LiTCg11norFIT	S	2E-05	0.00434448	4.963946	-4.811297	0.00485992
50	2210	LiTCg22norFIT	NotS	2E-05	0.00431242	4.938756	-4.815635	0.00482999
51	2211	LiTCg12norFIT	NotS	2E-05	0.00431871	4.944064	-4.814703	0.00483547
52	2212	LiTCg21norFIT	NotS	2E-05	0.00413318	4.801825	-4.839249	0.00466684
53	2213	LiTCi11norFIT	NotS	0.0002	0.0114275	8.343713	-4.248377	0.01314194
54	2214	LiTCi22norFIT	NotS	0.0002	0.01137086	8.323635	-4.251475	0.01307262
55	2215	LiTCi12norFIT	NotS	0.0002	0.01137139	8.323846	-4.251442	0.01307321
56	2216	LiTCi21norFIT	NotS	0.0002	0.01142822	8.343984	-4.248335	0.01314276
57	2217	LiTCc11norFIT	S	7E-05	0.00760202	6.840199	-4.490852	0.00856084
58	2218	LiTCc22norFIT	NotS	8E-05	0.00793197	7.038735	-4.457129	0.00885595
59	2219	LiTCc12norFIT	S	7E-05	0.00758572	6.839214	-4.490931	0.00853079
60	2220	LiTCc21norFIT	NotS	7E-05	0.0072637	6.663856	-4.519255	0.00815676
1	2221	GREXs11gedFIT	NotS	2E-12	1.397E-06	Inf	-13.48601	1.4032E-06
2	2222	GREXs22gedFIT	NotS	2E-12	1.3516E-06	Inf	-13.51528	1.353E-06
3	2223	GREXs12gedFIT	NotS	2E-12	1.2258E-06	Inf	-13.61331	1.2274E-06
4	2224	GREXs21gedFIT	NotS	2E-12	1.3313E-06	Inf	-13.53188	1.3346E-06
5	2225	GREXe11gedFIT	S	2E-12	1.4192E-06	Inf	-13.46576	1.4198E-06
6	2226	GREXe22gedFIT	NotS	2E-12	1.2868E-06	Inf	-13.56424	1.2881E-06
7	2227	GREXe12gedFIT	S	2E-12	1.3932E-06	Inf	-13.48443	1.3939E-06
8	2228	GREXe21gedFIT	S	2E-12	1.3657E-06	Inf	-13.50422	1.3663E-06
9	2229	GREXg11gedFIT	NotS	2E-12	1.2763E-06	Inf	-13.5747	1.2801E-06
10	2230	GREXg22gedFIT	NotS	1E-12	1.203E-06	Inf	-13.63215	1.2048E-06
11	2231	GREXg12gedFIT	NotS	2E-12	1.3558E-06	Inf	-13.51159	1.3564E-06
12	2232	GREXg21gedFIT	NotS	3E-12	1.749E-06	Inf	-13.26369	1.7603E-06
13	2233	GREXi11gedFIT	NotS	3E-12	1.6605E-06	Inf	-13.31761	1.6755E-06
14	2234	GREXi22gedFIT	NotS	3E-12	1.6968E-06	Inf	-13.28888	1.7004E-06
15	2235	GREXi12gedFIT	NotS	3E-12	1.6626E-06	Inf	-13.3081	1.6643E-06
16	2236	GREXi21gedFIT	NotS	3E-12	1.8041E-06	Inf	-13.24171	1.8323E-06
17	2237	GREXc11gedFIT	NotS	2E-12	1.3969E-06	Inf	-13.48451	1.4012E-06
18	2238	GREXc22gedFIT	NotS	2E-12	1.334E-06	Inf	-13.52736	1.3341E-06
19	2239	GREXc12gedFIT	NotS	2E-12	1.3229E-06	Inf	-13.53568	1.323E-06
20	2240	GREXc21gedFIT	NotS	2E-12	1.3058E-06	Inf	-13.54874	1.3058E-06
21	2241	GREXs11stdFIT	NotS	7E-12	2.6738E-06	Inf	-12.8475	2.7117E-06
22	2242	GREXs22stdFIT	NotS	4E-12	2.1024E-06	Inf	-13.07617	2.1101E-06
23	2243	GREXs12stdFIT	NotS	5E-12	2.2831E-06	Inf	-12.99949	2.3041E-06
24	2244	GREXs21stdFIT	NotS	7E-12	2.5803E-06	Inf	-12.87721	2.6037E-06
25	2245	GREXe11stdFIT	NotS	2E-11	4.708E-06	Inf	-12.26663	4.7103E-06
26	2246	GREXe22stdFIT	NotS	1E-11	3.6098E-06	Inf	-12.53306	3.6142E-06
27	2247	GREXe12stdFIT	NotS	1E-11	3.4087E-06	Inf	-12.58948	3.4098E-06
28	2248	GREXe21stdFIT	NotS	1E-11	3.6773E-06	Inf	-12.51411	3.6803E-06
29	2249	GREXg11stdFIT	NotS	7E-12	2.6464E-06	Inf	-12.85593	2.6793E-06
30	2250	GREXg22stdFIT	NotS	6E-12	2.3437E-06	Inf	-12.97153	2.3611E-06
31	2251	GREXg12stdFIT	NotS	6E-12	2.3516E-06	Inf	-12.96592	2.3643E-06
32	2252	GREXg21stdFIT	NotS	8E-12	2.8649E-06	Inf	-12.77848	2.9042E-06
33	2253	GREXi11stdFIT	NotS	5E-12	2.2223E-06	Inf	-13.02213	2.2335E-06
34	2254	GREXi22stdFIT	NotS	4E-12	2.0475E-06	Inf	-13.10162	2.053E-06
35	2255	GREXi12stdFIT	NotS	3E-12	1.8578E-06	Inf	-13.19737	1.8601E-06
36	2256	GREXi21stdFIT	NotS	5E-12	2.1821E-06	Inf	-13.04952	2.2122E-06
37	2257	GREXc11stdFIT	NotS	4E-12	1.9726E-06	Inf	-13.13801	1.9761E-06
38	2258	GREXc22stdFIT	NotS	5E-12	2.2614E-06	Inf	-13.00141	2.2656E-06
39	2259	GREXc12stdFIT	NotS	4E-12	1.9238E-06	Inf	-13.16429	1.9296E-06
40	2260	GREXc21stdFIT	NotS	5E-12	2.1467E-06	Inf	-13.05668	2.1573E-06
41	2261	GREXs11norFIT	NotS	2E-12	1.5097E-06	Inf	-13.41037	1.5189E-06
42	2262	GREXs22norFIT	NotS	2E-12	1.455E-06	Inf	-13.44623	1.4629E-06
43	2263	GREXs12norFIT	NotS	2E-12	1.5225E-06	Inf	-13.4018	1.5321E-06

44	2264	GREXs21norFIT	NotS	2E-12	1.3626E-06	Inf	-13.51017	1.3679E-06
45	2265	GREXe11norFIT	NotS	3E-12	1.6281E-06	Inf	-13.32812	1.6281E-06
46	2266	GREXe22norFIT	NotS	3E-12	1.727E-06	Inf	-13.26981	1.7282E-06
47	2267	GREXe12norFIT	NotS	2E-12	1.497E-06	Inf	-13.41225	1.4973E-06
48	2268	GREXe21norFIT	NotS	3E-12	1.7851E-06	Inf	-13.2379	1.788E-06
49	2269	GREXg11norFIT	NotS	2E-12	1.5498E-06	Inf	-13.38899	1.5661E-06
50	2270	GREXg22norFIT	NotS	2E-12	1.5299E-06	Inf	-13.39156	1.5318E-06
51	2271	GREXg12norFIT	NotS	2E-12	1.446E-06	Inf	-13.44887	1.449E-06
52	2272	GREXg21norFIT	NotS	3E-12	1.6533E-06	Inf	-13.32117	1.6659E-06
53	2273	GREXi11norFIT	NotS	3E-12	1.702E-06	Inf	-13.30292	1.7332E-06
54	2274	GREXi22norFIT	NotS	3E-12	1.6812E-06	Inf	-13.30359	1.6937E-06
55	2275	GREXi12norFIT	NotS	3E-12	1.6957E-06	Inf	-13.29407	1.7069E-06
56	2276	GREXi21norFIT	NotS	3E-12	1.7942E-06	Inf	-13.26308	1.8478E-06
57	2277	GREXc11norFIT	NotS	2E-12	1.2625E-06	Inf	-13.58249	1.2625E-06
58	2278	GREXc22norFIT	NotS	2E-12	1.3422E-06	Inf	-13.52256	1.3439E-06
59	2279	GREXc12norFIT	NotS	2E-12	1.2986E-06	Inf	-13.55852	1.3039E-06
60	2280	GREXc21norFIT	NotS	2E-12	1.3421E-06	Inf	-13.52203	1.343E-06
1	2281	DAXPs11gedFIT	S	2E-09	4.6156E-05	Inf	-9.983511	4.6157E-05
2	2282	DAXPs22gedFIT	NotS	5E-09	6.8139E-05	Inf	-9.59553	6.8214E-05
3	2283	DAXPs12gedFIT	NotS	5E-09	6.8136E-05	Inf	-9.59557	6.8212E-05
4	2284	DAXPs21gedFIT	NotS	2E-09	4.609E-05	Inf	-9.984948	4.6091E-05
5	2285	DAXPe11gedFIT	NotS	2E-09	4.2213E-05	Inf	-10.07278	4.2214E-05
6	2286	DAXPe22gedFIT	NotS	1E-09	3.6408E-05	Inf	-10.22314	3.649E-05
7	2287	DAXPe12gedFIT	NotS	1E-09	3.7715E-05	Inf	-10.18729	3.778E-05
8	2288	DAXPe21gedFIT	NotS	2E-09	4.6646E-05	Inf	-9.973865	4.669E-05
9	2289	DAXPg11gedFIT	NotS	2E-09	4.6238E-05	Inf	-9.981713	4.6238E-05
10	2290	DAXPg22gedFIT	NotS	5E-09	6.8292E-05	Inf	-9.591876	6.8302E-05
11	2291	DAXPg12gedFIT	NotS	5E-09	6.8425E-05	Inf	-9.591184	6.8495E-05
12	2292	DAXPg21gedFIT	NotS	5E-09	6.7166E-05	Inf	-9.608599	6.7183E-05
13	2293	DAXPi11gedFIT	NotS	1E-08	0.00011041	Inf	-9.119034	0.00011125
14	2294	DAXPi22gedFIT	NotS	2E-08	0.00012811	Inf	-8.982238	0.00013052
15	2295	DAXPi12gedFIT	NotS	2E-08	0.0001297	Inf	-8.97112	0.00013228
16	2296	DAXPi21gedFIT	NotS	1E-08	0.00011092	Inf	-9.114661	0.00011179
17	2297	DAXPc11gedFIT	NotS	4E-09	6.3328E-05	Inf	-9.66784	6.3365E-05
18	2298	DAXPc22gedFIT	NotS	4E-09	6.3545E-05	Inf	-9.664102	6.3563E-05
19	2299	DAXPc12gedFIT	NotS	4E-09	6.1636E-05	Inf	-9.694671	6.1657E-05
20	2300	DAXPc21gedFIT	NotS	4E-09	6.6841E-05	Inf	-9.613896	6.6877E-05
21	2301	DAXPs11stdFIT	S	1E-08	0.00011232	Inf	-9.099259	0.00011281
22	2302	DAXPs22stdFIT	NotS	9E-06	0.0026906	Inf	-6.188934	0.00307659
23	2303	DAXPs12stdFIT	NotS	9E-06	0.00269047	Inf	-6.188972	0.00307642
24	2304	DAXPs21stdFIT	NotS	1E-08	0.00011393	Inf	-9.085226	0.00011445
25	2305	DAXPe11stdFIT	NotS	4E-09	6.5834E-05	Inf	-9.628392	6.5836E-05
26	2306	DAXPe22stdFIT	NotS	5E-09	6.9661E-05	Inf	-9.572607	6.9713E-05
27	2307	DAXPe12stdFIT	NotS	2E-09	4.7613E-05	Inf	-9.954279	4.7697E-05
28	2308	DAXPe21stdFIT	NotS	5E-09	6.9687E-05	Inf	-9.572097	6.9729E-05
29	2309	DAXPg11stdFIT	NotS	1E-08	0.00010473	Inf	-9.16745	0.00010503
30	2310	DAXPg22stdFIT	NotS	1E-08	0.00011833	Inf	-9.045386	0.00011871
31	2311	DAXPg12stdFIT	NotS	1E-05	0.00271145	Inf	-6.180356	0.00310002
32	2312	DAXPg21stdFIT	NotS	3E-07	0.00057282	Inf	-7.514583	0.00058661
33	2313	DAXPi11stdFIT	NotS	3E-07	0.00049966	Inf	-7.742543	0.00055126
34	2314	DAXPi22stdFIT	NotS	1E-05	0.00311264	Inf	-6.062703	0.00358853
35	2315	DAXPi12stdFIT	NotS	6E-05	0.00672459	Inf	-5.30604	0.00776835
36	2316	DAXPi21stdFIT	NotS	3E-07	0.00050632	Inf	-7.730741	0.00055897
37	2317	DAXPc11stdFIT	NotS	3E-07	0.00057319	Inf	-7.497619	0.00058345
38	2318	DAXPc22stdFIT	NotS	4E-08	0.00019068	Inf	-8.571891	0.00019147
39	2319	DAXPc12stdFIT	NotS	2E-07	0.00038775	Inf	-7.873831	0.00039164
40	2320	DAXPc21stdFIT	NotS	2E-07	0.0003991	Inf	-7.845929	0.00040331
41	2321	DAXPs11norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
42	2322	DAXPs22norFIT	NotS	2E-09	4.7076E-05	Inf	-9.963764	4.7076E-05
43	2323	DAXPs12norFIT	S	2E-09	4.7147E-05	Inf	-9.962243	4.7148E-05
44	2324	DAXPs21norFIT	NotS	2E-09	4.7525E-05	Inf	-9.954254	4.7525E-05
45	2325	DAXPe11norFIT	S	3E-09	5.4503E-05	Inf	-9.817273	5.4503E-05
46	2326	DAXPe22norFIT	NotS	4E-09	5.9912E-05	Inf	-9.725912	6.0104E-05
47	2327	DAXPe12norFIT	NotS	3E-09	5.4577E-05	Inf	-9.815907	5.4577E-05
48	2328	DAXPe21norFIT	NotS	4E-09	5.9993E-05	Inf	-9.724634	6.0192E-05
49	2329	DAXPg11norFIT	S	2E-09	4.757E-05	Inf	-9.953314	4.757E-05
50	2330	DAXPg22norFIT	NotS	4E-09	6.4684E-05	Inf	-9.646121	6.4693E-05
51	2331	DAXPg12norFIT	NotS	No Resu	No Result	No Result	No Result	No Result
52	2332	DAXPg21norFIT	NotS	4E-09	6.6471E-05	Inf	-9.61888	6.648E-05
53	2333	DAXPi11norFIT	NotS	1E-08	0.00010193	Inf	-9.195565	0.00010237
54	2334	DAXPi22norFIT	NotS	1E-08	0.0001036	Inf	-9.179957	0.00010411
55	2335	DAXPi12norFIT	NotS	1E-08	0.00010477	Inf	-9.169179	0.00010532
56	2336	DAXPi21norFIT	NotS	1E-08	0.0001005	Inf	-9.209225	0.0001009
57	2337	DAXPc11norFIT	NotS	4E-09	5.9151E-05	Inf	-9.735886	5.9178E-05
58	2338	DAXPc22norFIT	NotS	3E-09	5.284E-05	Inf	-9.848536	5.2856E-05
59	2339	DAXPc12norFIT	NotS	4E-09	6.344E-05	Inf	-9.665493	6.3445E-05
60	2340	DAXPc21norFIT	NotS	4E-09	6.2532E-05	Inf	-9.680028	6.2544E-05

Line Number	Models	Significance	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter
1	SEAls11ged													
2			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
3		S	1.95E-04	4.87E-13	1.24E-04	1.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
4	SEAls22ged													
5			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
6		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06	1.50E-01	1.00E+00	4.05E-01	2.10E-01	0.00E+00		
7	SEAls12ged													
8			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
9		NotS	0.00E+00	1.05E-10	0.00E+00	1.18E-10	0.00E+00	0.00E+00	8.22E-02	1.04E-02	0.00E+00			
10	SEAls21ged													
11			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
12		NotS	0	0	0	0	0	0.113908	1	0	0			
13	SEAle11ged													
14			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
15		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	2.40E-10	0.00E+00			
16	SEAle22ged													
17			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
18		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-02	5.51E-01	7.42E-01	0.00E+00	1.97E-02	0.00E+00	2.22E-16	0.00E+00
19	SEAle12ged													
20			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
21		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-02	1.58E-02	7.68E-06	5.79E-07	1.12E-03	0.00E+00		
22	SEAle21ged													
23			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
24		NotS	0	0	0	0	0	0.1191743	0.8156677	0	0	0	0	
25	SEAlg11ged													
26			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
27		NotS	0	0	0	0	0	0.04351583	0	0.05929147	0			
28	SEAlg22ged													
29			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
30		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-13	6.45E-01	1.00E+00	0.00E+00	9.63E-01	0.00E+00	0.00E+00	0.00E+00
31	SEAlg12ged													
32		NotS	NULL											
33	SEAlg21ged													
34			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
35		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-01	4.11E-06	8.27E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
36	SEAli11ged													
37			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
38		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-01	2.20E-10	NA	0.00E+00				
39	SEAli22ged													
40			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
41		NotS	0.00E+00	0.00E+00	0.00E+00	8.66E-11	5.94E-01	4.43E-01	1.00E+00	5.29E-01	NA	0.00E+00		
42	SEAli12ged													
43			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
44		NotS	0	0	0	0	0.23393393	0.00033784	0.09644025	NA	0			
45	SEAli21ged													
46			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
47		NotS	0	0	0	0	0.1130058	0.119287	0.9999482	NA	0			
48	SEAlc11ged													
49		NotS	NULL											
50	SEAlc22ged													
51			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
52		NotS	0	0	0	0	0	0	0	0.9395975	0.9410006	0.9999985	0	0
53	SEAlc12ged													
54			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
55		NotS	0	0	0	0	0	0	0	0.4121212	0.9999976	0	0	0
56	SEAlc21ged													
57			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
58		NotS	0	0	0	0	0.37844182	0.00282476	0.87203317	0.93692508	0	0	0	
59	SEAls11std													
60			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
61		NotS	0.06981055	0.1111513	0.11316515	0.09929171	0	0	0	0				
62	SEAls22std													
63			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
64		NotS	0.09070275	0.13509233	0.14304141	0.12354818	0.07162297	0.03383374	1	0.05242751	0	0		
65	SEAls12std													
66			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
67		NotS	0.01579211	0.02170434	0.00493338	0.09282659	0.13950556	0.04831983	0.09845472	0.00858879	0			
68	SEAls21std													
69			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
70		NotS	0.06978158	0.11137562	0.11313637	0.09969458	0	0.13186839	1	0	0			
71	SEAle11std													
72			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
73		S	0.00E+00	7.25E-08	0.00E+00	2.88E-07	0.00E+00	4.05E-05	0.00E+00	6.37E-03	0.00E+00			
74	SEAle22std													
75			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
76		NotS	4.78E-11	2.23E-08	3.50E-07	3.67E-06	1.54E-03	6.00E-01	4.93E-01	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00
77	SEAle12std													
78			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
79		NotS	0	0	0	0	0.06646276	0.00907002	0	0	0.00703976	0		
80	SEAle21std													
81			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
82		NotS	1.09E-06	0.00E+00	1.25E-04	5.40E-13	0.00E+00	7.84E-01	7.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
83	SEAlg11std													
84			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
85		NotS	2.21E-01	2.60E-01	2.87E-01	2.33E-01	2.62E-05	6.89E-01	0.00E+00	2.23E-02	0.00E+00			
86	SEAlg22std													
87			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
88		NotS	0.00510049	0.09252393	0.01453594	0.11430728	0.43727539	0.02089006	0.99989941	0	0.99975839	0	0	0
89	SEAlg12std													
90		NotS	NULL											
91	SEAlg21std													
92			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
93		NotS	0.00529183	0.03486839	0.01429295	0.04547618	0.19591155	0	0.99858285	0	0	0	0	
94	SEAli11std													
95			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
96		NotS	1.04E-01	1.55E-01	1.61E-01	1.34E-01	7.89E-08	2.04E-07	NA	0.00E+00				
97	SEAli22std													
98			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
99		NotS	0.12365552	0.17393808	0.18826345	0.15507376	0.06154611	0.01567217	1	0.08398558	NA	0		
100	SEAli12std													
101			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
102		NotS	0.12311932	0.17364856	0.18759176	0.15497702	0.13118877	0.01636674	0.11235567	NA	0			
103	SEAli21std													
104			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
105		NotS	1.06E-01	1.57E-01	1.64E-01	1.36E-01	9.75E-06	1.71E-01	1.00E+00	NA	0.00E+00			
106	SEAlc11std													
107			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
108		NotS	0.22856344	0.18447082	0.35064006	0.12029693	0	0	0	0.03516211	0	0		
109	SEAlc22std													
110			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
111		NotS	0.36983886	0.31976539	0.48786641	0.04800901	0	0	0	0.93629135	0.72665652	1	0	0
112	SEAlc12std													
113			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
114		NotS	0.45406435	0.52617184	0.56058736	0.2740037	0	0	0.02497868	1	0	0	0	
115	SEAlc21std													
116			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
117		NotS	0.4040937	0.5497829	0.5182138	0.5182268	0	0	0.9243818	0.6476866	0	0	0	
118	SEAls11nor													
119			ar1	ar2	ma1	ma2	omega	alpha1	beta1					
120		S			0	0	0	0	0	0	0			
121	SEAls22nor													
122			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
123		NotS	0.00E+00	3.11E-15	0.00E+00	8.25E-12	1.19E-11	2.25E-02	1.00E+00	3.04E-01	9.77E-02			
124	SEAls12nor													
125			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2				
126		S	0.00E+00	3.05E-10	0.00E+00	3.30E-07	0.00E+00	0.00E+00	3.02E-03	7.65E-05				
127	SEAls21nor													
128			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1				
129		NotS	0	0	0	0	0	0.00705308	0.99999963	0				
130	SEAle11nor													
131			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1				
132		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	0.00E+00	1.33E-15				
133	SEAle22nor													
134			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
135		NotS	0	0	0	0	0.02491746	0.3070146	0.09551943	0	0.01925177	0	0	
136	SEAle12nor													
137			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
138		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	6.87E-01	0.00E+00	0.00E+00	8.15E-12			
139	SEAle21nor													
140			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
141		NotS	0	0	0	0	0	0.30300596	0.09475723	0	0	0		
142	SEAlg11nor													
143			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1				
144		NotS	0.00E+00	6.24E-12	0.00E+00	8.53E-09	0.00E+00	4.20E-12	0.00E+00	3.57E-01				
145	SEAlg22nor													
146			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
147		NotS	0.00E+00	0.00E+00	0.00E+00	2.78E-12	0.00E+00	8.56E-05	1.00E+00	1.00E+00	0.00E+00	1.22E-02	1.17E-03	
148	SEAlg12nor													
149			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
150		NotS	0.00E+00	0.00E+00	0.00E+00	2.19E-12	3.90E-06	3.56E-08	1.41E-02	3.29E-04	2.40E-01			
151	SEAlg21nor													
152			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
153		NotS	6.09E-06	8.43E-03	1.37E-04	3.22E-02	0.00E+00	9.02E-03	1.00E+00	0.00E+00	1.60E-01	7.64E-02		
154	SEAli11nor													
155			ar1	ar2	ma1	ma2	omega	alpha1	beta1					
156		NotS	0.00E+00	8.71E-06	9.46E-13	3.10E-04	7.16E-01	1.44E-01	NA					
157	SEAli22nor													
158			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
159		NotS	0.00E+00	1.44E-07	0.00E+00	2.05E-05	1.05E-03	3.92E-04	1.00E+00	4.04E-12	NA			
160	SEAli12nor													
161			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2				
162		NotS	0.00E+00	1.47E-07	0.00E+00	2.07E-05	5.00E-01	3.43E-02	5.56E-02	NA				
163	SEAli21nor													
164			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1				
165		NotS	0.00E+00	1.07E-05	2.16E-12	3.56E-04	2.85E-01	6.16E-03	1.00E+00	NA				
166	SEAlc11nor													
167			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21			

| | | |

SEISi22nor

	ar1	omega	alpha1	alpha2	beta1	beta2
NotS	9.64E-06	2.86E-01	7.43E-06	1.00E+00	0.00E+00	NA

SEISi12nor

	ar1	omega	alpha1	beta1	beta2
NotS	9.74E-06	8.11E-01	3.11E-02	1.02E-01	NA

SEISi21nor

	ar1	omega	alpha1	alpha2	beta1
NotS	1.10E-05	6.85E-01	2.77E-03	1.00E+00	NA

SEISc11nor

	ar1	omega	alpha1	beta1	eta11	eta21
NotS	4.80E-05	3.81E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-15

SEISc22nor

	ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	9.92E-06	7.64E-01	8.29E-10	8.34E-01	4.33E-01	0.00E+00	0.00E+00	1.27E-07

SEISc12nor

	ar1	omega	alpha1	beta1	beta2	eta11	eta21
NotS	4.42E-06	8.64E-01	1.13E-09	2.52E-02	2.18E-13	0.00E+00	2.72E-06

SEISc21nor

	ar1	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	5.67E-05	8.97E-01	1.14E-03	9.39E-01	7.10E-10	0.00E+00	6.46E-09

SEREs11qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
NotS	0	0	0	0	0.36347533	0.00017658	0	0

SEREs22qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0.57772906	0.00357684	0.99999925	0.6694924	0.0021979	0

SEREs12qed

NotS NULL

SEREs21qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0.20363315	0.05019581	0.99999627	0	0

SEREe11qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	1.56E-05	0.00E+00

SEREe22qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02	1.67E-01	9.31E-01	0.00E+00	7.55E-15	0.00E+00	0.00E+00	0.00E+00

SEREe12qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0	0	0	0.22361359	0.00575638	0	0	0.00019566	0

SEREe21qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0	0	0	0.02261903	0.43620239	0	0	0	0

SEREq11qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0	0	0	0	0.41879348	0.02839034	0	0.02889092	0

SEREq22qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	1.82E-05	0.00E+00	1.81E-07	6.25E-01	8.59E-03	1.00E+00	0.00E+00	9.99E-01	0.00E+00	0.00E+00	0.00E+00

SEREq12qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-01	2.58E-02	8.09E-02	1.78E-08	3.56E-02	0.00E+00

SEREq21qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0	0	0.06264522	0.27724157	0.99980333	0	0	0	0

SEREi11qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-01	7.67E-08	NA	0.00E+00

SEREi22qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0.21546889	0.00416865	0.99983725	0.03875849	NA	0

SEREi12qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0	0	0	0	0.63992238	0.00855491	0.0386924	NA	0

SEREi21qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0.44192519	0.06859191	0.99914383	NA	0

SEREc11qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-01	3.11E-14	8.09E-01	0.00E+00	0.00E+00	0.00E+00

SEREc22qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	3.14E-05	0.00E+00	2.43E-07	3.98E-01	3.79E-03	9.87E-01	6.27E-01	1.12E-05	0.00E+00	8.22E-15	0.00E+00

SEREc12qed

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-01	6.99E-05	8.54E-03	0.00E+00	0.00E+00	1.02E-10	0.00E+00

SEREc21qed

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-01	0.00E+00	1.00E+00	9.08E-01	0.00E+00	3.11E-14	0.00E+00

SEREs11std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
NotS	7.37E-13	1.56E-03	2.22E-10	1.19E-02	5.11E-01	1.46E-02	0.00E+00	0.00E+00

SEREs22std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0.47030759	0.0119488	0.99999954	0.62294158	0.00302497	0

SEREs12std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-01	2.35E-07	1.22E-01	0.00E+00	0.00E+00

SEREs21std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	5.59E-13	2.44E-03	2.45E-10	1.72E-02	9.86E-02	1.69E-01	1.00E+00	0.00E+00	0.00E+00

SEREe11std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02	0.00E+00	1.79E-06	0.00E+00

SEREe22std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	2.22E-16	2.21E-01	4.61E-02	3.20E-01	0.00E+00	2.11E-01	1.64E-10	2.77E-09	0.00E+00

SEREe12std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	9.13E-12	8.07E-02	1.81E-07	0.00E+00	0.00E+00	2.73E-14	0.00E+00

SEREe21std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-02	2.50E-01	0.00E+00	3.49E-11	3.05E-10	0.00E+00

SEREg11std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-02	8.93E-06	0.00E+00	9.71E-05	0.00E+00

SEREg22std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0	0	0.35132528	0.06412222	0.99996051	0	0.99852473	0	0	0

SEREg12std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	2.02E-04	9.83E-02	1.86E-13	8.12E-04	0.00E+00

SEREg21std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	2.06E-07	0.00E+00	1.34E-06	0.00E+00	4.70E-01	0.00E+00	3.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEREi11std

NotS NULL

SEREi22std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0.11422192	0.00470727	0.99999952	0.56395195	NA	0

SEREi12std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-01	1.54E-07	1.21E-01	NA	0.00E+00

SEREi21std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	5.01E-13	2.00E-03	1.86E-10	1.51E-02	6.16E-01	9.61E-02	1.00E+00	NA	0.00E+00

SEREc11std

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	1.82E-03	1.28E-02	7.62E-03	3.44E-02	6.21E-01	7.66E-08	5.42E-01	0.00E+00	7.58E-07	0.00E+00

SEREc22std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-01	1.91E-03	9.98E-01	7.18E-01	1.37E-06	0.00E+00	8.60E-13	0.00E+00

SEREc12std

NotS NULL

SEREc21std

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.02626401	0.00103103	0.00263158	0.02995034	0.23819044	0	0.99999065	0.46760152	0	0	0

SERES11nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-01	3.06E-11	0.00E+00

SERES22nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-01	2.25E-05	1.00E+00	1.57E-01	7.31E-07

SERES12nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2
NotS	4.85E-01	1.27E-01	4.27E-01	1.56E-01	9.17E-02	5.93E-14	7.95E-03	0.00E+00

SERES21nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0	0	0	0	0.01046292	0.00147873	0.99999273	0

SEREE11nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
S	0	0	0	0	0	0.00500632	0	0

SEREE22nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-11	5.54E-01	3.39E-02	0.00E+00	0.00E+00	0.00E+00	7.92E-12

SEREE12nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	0	0	0	0	0.00095499	0.00210044	0	0	0

SEREE21nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-01	4.72E-04	0.00E+00	0.00E+00	3.53E-13

SEREq11nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-01	7.52E-06	0.00E+00	1.97E-02

SEREq22nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0	0	0	0	0.12278123	0	0.99999917	0.18683999	0	0.85936447	0.02132814

SEREg12nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-01	6.14E-07	4.19E-03	0.00E+00	2.95E-02

SEREg21nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
	NotS	0	0	0	0	0.41592019	0.11715119	0.99999907	0	0.02663598	0.08154838

SEREi11nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-01	1.95E-12	NA

SEREi22nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
	NotS	0	0	0	0	0.67852536	0.00298168	0.99999999	0.56250474	NA

SEREi12nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-01	3.81E-11	1.40E-02	NA

SEREi21nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1
	NotS	0	0	0	0	0.46118294	0.00143918	0.99999956	NA

SEREc11nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-01	0.00E+00	0.00E+00	0.00E+00	5.07E-05

SEREc22nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
	NotS	0	0	0	0	0.95347088	0.02655024	0.97236238	0.57246663	0.06602062	0	0.13324554

SEREc12nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-01	1.71E-13	6.59E-02	6.15E-07	0.00E+00	5.08E-04

SEREc21nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-01	6.42E-04	9.54E-01	0.00E+00	0.00E+00	9.85E-06

SEAEs11qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-02	4.01E-09	0.00E+00	0.00E+00

SEAEs22qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-03	1.00E+00	2.72E-01	1.27E-07	0.00E+00

SEAEs12qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-02	8.89E-03	9.62E-02	8.07E-05	0.00E+00

SEAEs21qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
	NotS	0	0	0	0	0	0.02864798	0.99878524	0	0

SEAEe11qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-12	0.00E+00	1.01E-12	0.00E+00

SEAEe22qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0	0	0	0	0.00037108	0.04983387	0.97217501	0	0.00065602	0	0	0

SEAEe12qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-02	5.26E-06	1.11E-15	0.00E+00	2.78E-03	0.00E+00

SEAEe21qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
	NotS	0	0	0	0	0	0.05786151	0.9055281	0	0	0	0

SEAEg11qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	3.37E-01	0.00E+00	8.37E-05	0.00E+00

SEAEg22qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0	0	0	0	0	0.5173934	0.9999747	0	0.9986347	0	0	0

SEAEg12qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
	NotS	0	0.01299226	0	0	0.01432944	0.18248986	0.10564307	0.00031363	0.00174362	0

SEAEg21qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
	NotS	0	0	0	0	0	0.2730515	0.9542777	0	0	0	0

SEAEi11qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
	NotS	0	0	0	0	0.7445821	0.3278374	NA	0

SEAEi22qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
	NotS	0	0	0	0	0.00012685	0.20606293	0.9999944	0.57751953	NA	0

SEAEi12qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
	NotS	0.00E+00	0.00E+00	1.47E-11	0.00E+00	1.10E-05	4.89E-07	4.10E-02	NA	0.00E+00

SEAEi21qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
	NotS	0	0	0	0	0.29628072	0.04279205	0.99991131	NA	0

SEAEc11qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-02	2.00E-06	3.41E-01	0.00E+00	0.00E+00	0.00E+00

SEAEc22qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
	NotS	0	0	0	0	0.611462	0	0.985189	0.953954	0.9721973	0	0	0

SEAEc12qed

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
	NotS	0	0	0	0	0.6763987	0	0.6705991	0.9818054	0	0	0

SEAEc21qed

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
	NotS	6.22E-06	0.00E+00	0.00E+00	0.00E+00	5.65E-01	0.00E+00	9.97E-01	9.66E-01	0.00E+00	0.00E+00	0.00E+00

SEAEs11std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
	NotS	5.93E-01	7.79E-01	8.11E-01	4.96E-01	7.86E-14	0.00E+00	0.00E+00	0.00E+00

SEAEs22std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
	NotS	5.83E-01	7.37E-01	7.74E-01	4.87E-01	7.32E-05	1.19E-02	1.00E+00	1.91E-01	4.78E-04	0.00E+00

SEAEs12std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
	NotS	0.58297587	0.73723135	0.77332477	0.48721985	0.18722808	0.02972838	0.11042058	0.00053465	0

SEAEs21std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
	NotS	0.5939077	0.7796937	0.811226	0.4960489	0	0.1153204	0.9999998	0	0

SEAEe11std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
	NotS	4.97E-02	2.51E-01	3.31E-01	2.16E-02	0.00E+00	7.49E-09	0.00E+00	2.90E-05	0.00E+00

SEAEe22std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	5.77E-15	5.19E-01	4.41E-06	3.41E-01	7.99E-03	1.05E-02	6.81E-01	0.00E+00	6.83E-03	0.00E+00	0.00E+00	0.00E+00

SEAEe12std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
	NotS	1.67E-09	1.11E-02	3.60E-04	3.43E-05	1.55E-01	5.08E-04	1.02E-14	0.00E+00	3.20E-02	0.00E+00

SEAEe21std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
	NotS	1.29E-14	5.15E-01	5.51E-06	3.44E-01	0.00E+00	1.08E-02	7.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEAEg11std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
	NotS	0.56445153	0.68354418	0.73308554	0.43995897	0.1055335	0.49440738	0	0.00808449	0

SEAEg22std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0.4305537	0.4894089	0.5978452	0.2863553	0	0.6879089	0.9999994	0	0.7183152	0	0	0

SEAEg12std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
	NotS	5.41E-01	6.67E-01	7.07E-01	4.40E-01	3.72E-02	2.06E-01	9.83E-02	3.79E-09	7.86E-04	0.00E+00

SEAEg21std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
	NotS	0.4292906	0.4882688	0.5961745	0.2851708	0	0.6913804	0.9999996	0	0	0	0

SEAEi11std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
	NotS	5.94E-01	7.81E-01	8.12E-01	4.97E-01	2.59E-08	2.52E-08	NA	0.00E+00

SEAEi22std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
	NotS	0.58285937	0.73706997	0.77338893	0.48657534	0.01696364	0.01074184	1	0.23407488	NA	0

SEAEi12std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
	NotS	0.58329256	0.73812653	0.77419035	0.48770541	0.14581133	0.03007759	0.1003552	NA	0

SEAEi21std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
	NotS	5.94E-01	7.80E-01	8.12E-01	4.96E-01	3.33E-07	9.44E-02	1.00E+00	NA	0.00E+00

SEAEc11std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
	NotS	1.33E-01	3.22E-01	2.27E-01	1.69E-01	0.00E+00	0.00E+00	6.48E-01	0.00E+00	5.96E-07	0.00E+00

SEAEc22std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
	NotS	0.75359394	0.88954051	0.81842874	0.8570457	0.45136729	0	0.99799723	0.98280062	0.99845613	0	0.01442724	0

SEAEc12std

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
	NotS	0.63192734	0.76454597	0.7896503	0.54619247	0.2661492	0.12349767	0.10122336	0.03822768	0	0.01109858	0

SEAEc21std

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
	NotS	6.09E-01	7.70E-01	7.84E-01	5.29E-01	3.86E-02	1.28E-11	9.83E-01	0.00E+00	0.00E+00	3.75E-07	0.00E+00

SEAEs11nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1
	NotS	0.9023658	0.04300448	0.67719771	0.02341114	0	0	0

SEAEs22nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
	NotS	9.03E-01	2.38E-02	5.87E-01	9.61E-03	0.00E+00	4.44E-16	1.00E+00	5.49E-03	1.36E-04

SEAEs12nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2
	NotS	9.02E-01	2.46E-02	5.87E-01	1.00E-02	2.21E-05	1.72E-07	1.43E-04	2.47E-05

SEAEs21nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1
	NotS	0.00029843	0.02194191	0.0017561	0.02758157	0	0.00077788	0.99999999	0

SEAEe11nor

		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
	S	0.03479101	0	0.0012452	0	0	0	0	0

SEAEe22nor

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
	NotS	4.13E-08	0.00E+00	7.68E-08	0.00E+00	2.22E-04	1.98E-02	9.34E-01	0.00E+00	1.18E-04	0.00E+00	7.57E-13

SEAEe12nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	1.39E-03	0.00E+00	8.19E-06	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEAEe21nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.24966442	0	0.01404872	0	0	0.025106	0.79949164	0	0	0

SEAEg11nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	9.11E-01	3.34E-01	8.35E-01	2.50E-01	0.00E+00	1.00E+00	0.00E+00	6.66E-16

SEAEg22nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	7.58E-01	2.58E-01	6.78E-01	2.05E-01	0.00E+00	9.13E-01	1.00E+00	0.00E+00	1.00E+00	1.16E-05	8.27E-04

SEAEg12nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	9.37E-01	3.37E-01	8.62E-01	2.64E-01	1.05E-05	6.01E-01	2.89E-04	8.73E-03	2.72E-07

SEAEg21nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	7.76E-01	2.98E-01	6.98E-01	2.43E-01	0.00E+00	9.14E-01	1.00E+00	0.00E+00	1.05E-05	7.59E-04

SEAEi11nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1
NotS	7.63E-01	0.00E+00	1.06E-01	0.00E+00	2.11E-05	6.66E-16	NA

SEAEi22nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	8.60E-01	0.00E+00	3.93E-01	0.00E+00	4.66E-15	4.66E-01	1.00E+00	4.72E-01	NA

SEAEi12nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2
NotS	2.32E-03	2.73E-03	6.18E-03	4.52E-03	2.27E-09	0.00E+00	1.45E-05	NA

SEAEi21nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.7676632	0	0.10736136	0	0.00011445	0.00039533	0.99999994	NA

SEAEc11nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	8.11E-01	2.34E-02	5.82E-01	9.04E-03	4.47E-01	1.03E-06	0.00E+00	0.00E+00	4.24E-14

SEAEc22nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	7.41E-01	4.73E-09	3.82E-01	3.63E-12	2.82E-01	0.00E+00	9.51E-01	8.55E-03	5.79E-05	0.00E+00	0.00E+00

SEAEc12nor

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	9.79E-01	3.42E-02	5.97E-01	1.71E-02	4.57E-01	1.34E-08	2.44E-04	1.27E-05	0.00E+00	0.00E+00

SEAEc21nor

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.78688383	0.05116874	0.50478335	0.0261625	0.56425183	0.00014159	0.8441821	0	0	0

SESOs11qed

	ma1	ma2	omega	alpha1	beta1	shape
NotS	8.22E-08	1.23E-05	4.90E-01	1.74E-02	0.00E+00	0.00E+00

SESOs22qed

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.36175442	0	0.99999902	0.53108795	0.03495384	0

SESOs12qed

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	3.61E-01	9.36E-05	2.22E-01	3.71E-04	0.00E+00

SESOs21qed

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	1.2435E-05	0.24172615	0.04730455	0.9999998	0	0

SESOe11qed

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	6.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-06	0.00E+00

SESOe22qed

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	7.14E-05	5.47E-02	7.46E-01	0.00E+00	6.51E-05	2.18E-14	1.07E-12	0.00E+00

SESOe12qed

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	3.29E-01	2.97E-05	0.00E+00	0.00E+00	6.10E-10	0.00E+00

SESOe21qed

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	4.87E-02	6.99E-01	0.00E+00	2.22E-15	9.55E-15	0.00E+00

SESOg11qed

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	3.98E-06	9.99E-01	0.00E+00	6.91E-07	0.00E+00

SESOg22qed

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0.37706925	0.99970684	0.99998076	0.01810265	0.99898273	0.00017231	0.00216821	0

SESOg12qed

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	4.44E-16	5.69E-01	1.50E-01	2.33E-05	3.49E-06	0.00E+00

SESOg21qed

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	3.62E-02	1.00E+00	1.00E+00	0.00E+00	4.17E-05	7.68E-04	0.00E+00

SESOi11qed

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	3.61E-01	2.47E-13	NA	0.00E+00

SESOi22qed

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	2.42E-06	1.55E-02	1.00E+00	3.77E-01	NA	0.00E+00

SESOi12qed

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	2.22E-16	6.66E-16	3.66E-01	6.04E-08	1.95E-01	NA	0.00E+00

SESOi21qed

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.31141428	0.05084867	0.9996405	NA	0

SESOc11qed

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	5.18E-01	2.59E-09	4.70E-01	0.00E+00	3.66E-13	0.00E+00

SESOc22qed

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.2400103	0	0.9999855	0.8417114	0.9999929	0	0	0

SESOc12qed

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.3140478	0	0.4732146	0.9999992	0	0	0

SESOc21qed

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0	0	0.3235636	0	0.9999944	0.8393175	0	0	0

SESOs11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.16E-08	3.13E-03	4.23E-01	1.48E-03	0.00E+00	0.00E+00

SESOs22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	7.55E-10	2.99E-03	4.08E-02	2.81E-02	1.00E+00	5.25E-01	6.17E-02	0.00E+00

SESOs12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	3.70E-09	3.01E-03	8.64E-04	2.29E-14	2.16E-01	6.26E-04	0.00E+00

SESOs21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.30E-09	3.06E-03	3.15E-01	4.29E-02	1.00E+00	0.00E+00	6.44E-15

SESOe11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	4.92E-08	4.20E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-10	0.00E+00

SESOe22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	1.55E-15	3.53E-05	8.09E-04	2.48E-02	7.87E-01	0.00E+00	6.16E-04	3.30E-08	3.33E-07	0.00E+00

SESOe12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	2.01E-07	1.11E-02	1.58E-03	1.50E-12	0.00E+00	0.00E+00	8.91E-06	0.00E+00

SESOe21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	1.71E-14	2.60E-03	0.00E+00	2.03E-02	7.53E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SESOg11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	2.94E-08	8.19E-03	0.00E+00	1.00E+00	0.00E+00	2.25E-06	0.00E+00

SESOg22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	1.45E-08	1.08E-02	1.58E-06	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.51E-04	1.16E-03	0.00E+00

SESOg12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	1.48E-08	1.19E-02	0.00E+00	1.00E+00	1.74E-01	4.48E-05	1.10E-06	0.00E+00

SESOg21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	1.46E-08	1.08E-02	1.05E-06	1.00E+00	1.00E+00	0.00E+00	1.65E-04	1.27E-03	0.00E+00

SESOi11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.03E-08	3.10E-03	3.09E-01	3.49E-04	NA	0.00E+00

SESOi22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	2.94E-09	3.00E-03	6.21E-03	3.90E-11	1.00E+00	3.01E-01	NA	0.00E+00

SESOi12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	3.89E-09	3.00E-03	1.37E-02	3.47E-10	2.45E-01	NA	0.00E+00

SESOi21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	4.20E-08	3.11E-03	5.43E-01	9.66E-02	1.00E+00	NA	0.00E+00

SESOc11std

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	9.93E-04	6.93E-01	1.38E-01	1.69E-01	0.00E+00	5.26E-05	7.44E-09

SESOc22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	2.83E-12	9.89E-04	1.65E-01	0.00E+00	1.00E+00	5.16E-01	1.00E+00	0.00E+00	2.14E-09	0.00E+00

SESOc12std

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	2.63E-12	9.24E-04	8.88E-16	0.00E+00	1.59E-01	1.00E+00	0.00E+00	6.70E-04	0.00E+00

SESOc21std

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	4.66E-12	9.53E-04	4.23E-02	0.00E+00	1.00E+00	6.57E-01	0.00E+00	6.15E-08	0.00E+00

SESOs11nor

	ma1	ma2	omega	alpha1	beta1
NotS	0.00581154	0.25385165	0.43679961	0.00564489	0

SESOs22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	3.77E-03	2.37E-01	3.34E-01	1.74E-05	1.00E+00	3.09E-01	1.18E-05

SESOs12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	3.65E-03	2.42E-01	2.11E-01	1.70E-05	3.64E-02	1.31E-11

SESOs21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.00675855	0.2526287	0.37391538	0.00493474	0.9999988	0

SESOe11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	6.18E-03	1.19E-01	0.00E+00	4.44E-16	0.00E+00	0.00E+00

SESOe22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	2.13E-06	1.29E-02	1.05E-02	7.27E-03	1.19E-01	0.00E+00	0.00E+00	3.75E-14	2.23E-08

SESOe12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	5.70E-03	6.22E-01	1.43E-05	6.73E-11	0.00E+00	0.00E+00	0.00E+00

SESOe21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	4.86E-05	1.47E-01	0.00E+00	2.08E-10	5.47E-02	0.00E+00	2.38E-14	4.71E-10

SESOg11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	1.59E-02	2.43E-01	6.87E-06	1.13E-02	0.00E+00	3.48E-12

SESOg22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.02578503	0.37072283	0.05855567	0.75673042	0.99910682	0	0.0016319	0.00039361	0.01695594

SESOg12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	1.33E-02	3.31E-01	1.05E-05	5.21E-08	1.77E-02	6.06E-08	5.78E-09

SESOg21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.02411836	0.38390214	0.05526786	0.83853835	0.99833193	0	0.00027303	0.0093589

SESOi11nor

	ma1	ma2	omega	alpha1	beta1
NotS	3.71E-03	2.68E-01	5.44E-01	1.89E-08	NA

SESOi22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	2.60E-03	2.53E-01	2.06E-01	1.44E-05	1.00E+00	2.90E-02	NA

SESOi12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	2.17E-03	2.49E-01	5.90E-01	4.08E-05	2.48E-02	NA

SESOi21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.00448551	0.27322242	0.45200419	0.00755952	0.99999948	NA

SESOc11nor

	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	0.00053446	0.31769501	0.47210859	0	0.57200506	0	1.3064E-06

SESOc22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	0.00076572	0.33728615	0.25888497	0	0.99999987	0.85369568	0.99999994	0	0

SESOc12nor

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	0.00082674	0.33835707	0.31584716	0	0.60897668	0.99999902	0	0

SESOc21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	6.83E-04	3.43E-01	4.84E-01	1.15E-12	9.99E-01	8.27E-01	0.00E+00	0.00E+00

SETEs11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0	0	0.57994135	0.00241945	0	0

SETEs22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0.01759683	0.99997991	0.26628214	0.00044146	0

SETEs12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	5.34E-10	0.00E+00	6.66E-07	5.12E-13	8.71E-02	1.02E-06	0.00E+00

SETEs21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.62292629	0.07235351	0.99999968	0	0

SETEe11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	3.77E-15	0.00E+00	7.28E-11	0.00E+00

SETEe22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	7.22E-02	3.13E-01	0.00E+00	0.00E+00	1.78E-15	5.38E-13	0.00E+00

SETEe12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	0.00E+00	2.04E-03	5.66E-07	0.00E+00	0.00E+00	3.01E-04	0.00E+00

SETEe21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	1.78E-15	4.44E-16	0.00E+00	6.65E-02	2.72E-01	0.00E+00	2.00E-15	9.97E-13	0.00E+00

SETEq11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	1.00E+00	0.00E+00	7.48E-06	0.00E+00

SETEg22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	4.69E-06	5.76E-03	1.00E+00	1.00E+00	0.00E+00	9.91E-01	1.97E-08	6.77E-07	0.00E+00

SETEq12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	9.87E-01	7.01E-02	1.17E-03	5.54E-06	0.00E+00

SETEq21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	4.37E-11	1.18E-02	1.00E+00	1.00E+00	0.00E+00	2.37E-07	4.50E-06	0.00E+00

SETEi11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0	0	0.2823588	0	NA	0

SETEi22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.01948218	0.04694594	0.99994908	0.20807324	NA	0

SETEi12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	2.09E-01	6.98E-09	6.65E-02	NA	0.00E+00

SETEi21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	4.45E-11	3.02E-01	2.47E-01	9.94E-01	NA	0.00E+00

SETEc11ged

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	1.11E-15	6.73E-02	4.44E-16	5.69E-01	0.00E+00	1.32E-06	0.00E+00

SETEc22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.01854586	0	0.9999715	0.85243992	0.99998844	0	0	0

SETEc12ged

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.35665017	0	0.5520891	0.9999915	0	0.00010055	0

SETEc21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	2.89E-02	1.55E-15	9.93E-01	8.40E-01	0.00E+00	0.00E+00	0.00E+00

SETEs11std

	ma1	ma2	omega	alpha1	beta1	shape
S	3.52E-05	1.71E-03	4.55E-03	1.45E-07	0.00E+00	0.00E+00

SETEs22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	2.44E-05	1.09E-03	0.00E+00	3.36E-02	1.00E+00	4.10E-01	1.93E-03	0.00E+00

SETEs12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	1.44E-05	1.10E-03	0.00E+00	0.00E+00	1.50E-01	1.57E-07	0.00E+00

SETEs21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	6.11E-05	1.76E-03	1.78E-15	2.34E-01	1.00E+00	0.00E+00	0.00E+00

SETEe11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00011571	0.00120863	0	2.7137E-05	0	0.00063704	0

SETEe22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	5.79E-08	4.98E-04	8.33E-03	9.62E-02	2.11E-01	0.00E+00	2.91E-03	1.71E-07	8.11E-07	0.00E+00

SETEe12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00028829	0.00620198	0.00239832	0.00011738	0	0	0.00330246	0

SETEe21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	4.75E-08	1.30E-04	0.00E+00	8.88E-02	1.28E-01	0.00E+00	7.96E-05	1.23E-04	0.00E+00

SETEg11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	1.78E-04	2.38E-03	0.00E+00	1.00E+00	0.00E+00	3.63E-05	0.00E+00

SETEg22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.000329	0.002574	0.01460443	0.99999853	0.99999948	0	0.99979876	0	0	0

SETEg12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	2.00E-04	2.38E-03	0.00E+00	1.00E+00	5.85E-02	3.01E-03	1.64E-05	0.00E+00

SETEg21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00031445	0.00260257	0.07353132	0.99999918	0.99999938	0	0	0	0

SETEi11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	3.41E-05	1.73E-03	8.40E-02	8.38E-07	NA	0.00E+00

SETEi22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	1.54E-05	1.01E-03	1.12E-11	7.89E-06	1.00E+00	3.90E-01	NA	0.00E+00

SETEi12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	1.65E-05	1.13E-03	8.47E-08	2.14E-07	1.57E-01	NA	0.00E+00

SETEi21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	5.65E-05	1.77E-03	1.83E-01	2.07E-01	1.00E+00	NA	0.00E+00

SETEc11std

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	2.85E-08	7.86E-04	0.00E+00	6.20E-09	3.85E-01	0.00E+00	1.40E-03	0.00E+00

SETEc22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	1.69E-08	6.38E-04	0.00E+00	0.00E+00	1.00E+00	6.28E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SETEc12std

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	1.80E-08	6.75E-04	0.00E+00	0.00E+00	2.56E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SETEc21std

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	1.07E-05	7.25E-04	0.00E+00	0.00E+00	1.00E+00	5.98E-01	0.00E+00	1.56E-13	0.00E+00

SETEs11nor

	ma1	ma2	omega	alpha1	beta1
NotS	2.15E-02	1.04E-01	7.89E-10	0.00E+00	0.00E+00

SETEs22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	2.08E-02	6.82E-02	0.00E+00	2.92E-04	1.00E+00	5.07E-02	2.09E-08

SETEs12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	2.04E-02	6.78E-02	0.00E+00	0.00E+00	1.28E-02	2.17E-12

SETEs21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	2.18E-02	1.01E-01	1.24E-10	6.32E-03	1.00E+00	0.00E+00

SETEe11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
S	0.04074148	0.01273041	0	0	0	0

SETEe22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	6.43E-03	3.58E-02	0.00E+00	4.61E-03	3.93E-01	0.00E+00	0.00E+00	7.11E-15	4.28E-11

SETEe12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	1.32E-01	7.27E-02	8.13E-07	2.31E-14	0.00E+00	0.00E+00	1.48E-10

SETEe21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	6.31E-03	3.37E-02	0.00E+00	5.37E-03	4.46E-01	0.00E+00	5.55E-15	2.96E-11

SETEq11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	6.18E-02	1.49E-01	0.00E+00	1.00E+00	0.00E+00	2.05E-10

SETEq22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	1.01E-01	1.28E-01	0.00E+00	9.99E-01	1.00E+00	0.00E+00	4.99E-02	1.95E-06	4.90E-04

SETEq12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	7.37E-02	1.02E-01	0.00E+00	1.00E+00	1.74E-02	9.36E-11	1.16E-10

SETEq21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	1.09E-01	1.29E-01	0.00E+00	1.00E+00	1.00E+00	0.00E+00	2.25E-06	3.75E-04

SETEi11nor

	ma1	ma2	omega	alpha1	beta1
NotS	0.02825098	0.08354836	0.35171836	0	NA

SETEi22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.01586614	0.05660201	0.04274108	0.00083066	0.99999924	0.02144234	NA

SETEi12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	1.55E-02	5.63E-02	2.15E-01	5.66E-10	6.08E-03	NA

SETEi21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.0266281	0.08304345	0.37176003	0.0876743	0.99999792	NA

SETEc11nor

	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	0.01519222	0.0579014	0.4266546	0.00019808	0	0	0

SETEc22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	1.87E-02	6.77E-02	3.65E-01	1.54E-01	9.97E-01	8.18E-01	3.16E-01	0.00E+00	7.11E-15

SETEc12nor

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	1.86E-02	6.88E-02	3.47E-01	1.26E-05	1.79E-01	3.43E-08	0.00E+00	2.56E-04

SETEc21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.02115901	0.10627105	0.20829637	0.02914207	0.98205768	0	0	0

SEBEs11ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	shape
NotS	2.27E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-01	9.14E-10	0.00E+00	0.00E+00

SEBEs22ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-02	5.53E-02	9.98E-01	5.24E-04	2.67E-08	0.00E+00

SEBEs12ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-01	9.65E-07	1.77E-09	0.00E+00	0.00E+00

SEBEs21ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0	0	0.1388892	0.1900486	0.9998804	0	0

SEBEe11ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-13	0.00E+00	1.29E-01	0.00E+00	6.61E-02	0.00E+00

SEBEe22ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	2.57E-02	3.39E-01	0.00E+00	1.92E-02	1.10E-13	1.64E-11	0.00E+00

SEBEe12ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape	
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-12	8.99E-06	0.00E+00	0.00E+00	1.39E-06	0.00E+00	

SEBEe21ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-02	3.91E-01	0.00E+00	3.77E-15	8.62E-13	0.00E+00

SEBEq11ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-01	5.24E-01	0.00E+00	1.05E-08	0.00E+00

SEBEq22ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0	0	0	0	0.6712216	0.1918719	0.9971197	0	0.9335565	0	0	0

SEBEq12ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape	
NotS	0	0	0	0	0	0	0.3253139	0.2066627	0	0	0	0	

SEBEq21ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0	0	0	0	0.2340715	0.7711233	0.9722722	0	0	0	0

SEBEi11ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-01	9.10E-15	NA	0.00E+00

SEBEi22ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0	0	0.2691454	0.2136287	0.9999882	0.1694253	NA	0

SEBEi12ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-01	3.68E-13	3.61E-02	NA	0.00E+00

SEBEi21ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0	0	0.4591344	0.1812132	1	NA	0

SEBEc11ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-01	3.96E-09	5.76E-01	0.00E+00	7.13E-10	0.00E+00

SEBEc22ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-01	1.35E-01	1.00E+00	3.12E-01	2.33E-02	0.00E+00	4.44E-16	0.00E+00

SEBEc12ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0	0	0	0	0.5716716	0	0.5978257	0.9996174	0	0	0

SEBEc21ged

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0	0	0	0	0	0	0.1177913	0	0.9999656	0.8697942	0	0	0

SEBEs11std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	shape
NotS	6.90E-01	6.03E-02	1.34E-07	9.21E-01	5.62E-02	7.14E-09	2.42E-01	2.04E-05	0.00E+00	0.00E+00

SEBEs22std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	3.35E-01	0.00E+00	0.00E+00	2.24E-14	9.49E-01	7.51E-01	1.00E+00	8.00E-01	5.74E-01	2.58E-02

SEBEs12std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	1.36E-01	0.00E+00	0.00E+00	7.66E-12	5.71E-01	2.61E-02	1.21E-03	6.70E-08	0.00E+00

SEBEs21std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape
NotS	6.96E-01	6.36E-02	2.20E-07	9.19E-01	5.90E-02	1.54E-08	9.37E-02	3.19E-01	1.00E+00	0.00E+00	0.00E+00

SEBEe11std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape	
S	0	0	0	0	0	0	0	0.00011241	0	0.00016332	0	

SEBEe22std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0	0	0	0	0.0390472	0.01349948	0.32036984	0	0.03618788	0	0	0

SEBEe12std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape
NotS	2.79E-03	2.72E-11	0.00E+00	3.45E-01	1.11E-09	0.00E+00	1.71E-11	3.49E-05	0.00E+00	0.00E+00	4.34E-05	0.00E+00

SEBEe21std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0	0	0	0	0	0.00490593	0.29953108	0	0	0	0

SEBEg11std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	4.36E-01	6.48E-01	0.00E+00	1.59E-07	0.00E+00

SEBEg22std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	5.34E-01	9.64E-02	1.70E-05	8.18E-01	1.05E-01	1.05E-06	2.66E-01	8.99E-01	1.00E+00	0.00E+00	9.66E-01	0.00E+00	0.00E+00	0.00E+00

SEBEg12std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape
NotS	5.49E-01	3.84E-02	6.37E-10	9.61E-01	4.70E-02	1.59E-12	3.59E-01	1.86E-01	2.94E-03	9.46E-05	0.00E+00	0.00E+00

SEBEg21std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0	0	0	0	0.3526067	0.8551868	0.9999954	0	0	0	0

SEBEi11std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	shape
NotS	0	0	0	0	0	0	0.49234704	0.00532788	NA	0

SEBEi22std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-01	6.44E-15	1.00E+00	8.48E-02	NA	0.00E+00

SEBEi12std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape		
NotS	0	0	0	0	0	0	0.34245658	0.00121861	0.06722107	NA	0		

SEBEi21std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape		
NotS	0.692758	0.4396951	0.5771288	0.5946058	0.5892976	0.2050759	0.3732494	0.2980993	0.9999997	NA	0		

SEBEc11std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	eta11	eta21	shape	
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-01	3.42E-11	3.95E-01	0.00E+00	2.88E-07	0.00E+00	

SEBEc22std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
NotS	0.79750976	0.77263181	0.14965926	0.68236545	0.84062141	0.1439797	0.93312141	0	0.82271563	0	0	0	0	0.00756392	0

SEBEc12std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	eta11	eta21	shape	
NotS	8.71E-01	2.22E-01	5.79E-01	7.63E-01	3.86E-01	4.81E-01	6.07E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06	0.00E+00	

SEBEc21std

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-01	0.00E+00	1.00E+00	8.10E-01	0.00E+00	5.88E-05	0.00E+00	

SEBEs11nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1
NotS	6.90E-01	1.89E-01	7.93E-09	7.53E-01	2.12E-01	1.04E-10	3.45E-01	3.09E-05	0.00E+00

SEBEs22nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2
NotS	7.13E-01	1.59E-01	1.51E-01	9.27E-01	1.66E-01	2.17E-01	2.44E-01	3.74E-03	1.00E+00	3.23E-11	0.00E+00

SEBEs12nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2
NotS	7.20E-01	1.60E-01	1.61E-01	9.33E-01	1.67E-01	2.28E-01	2.10E-01	3.26E-06	4.13E-14	0.00E+00

SEBEs21nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1
NotS	0	0	0	0	0	0	0.3646748	0.0632747	1	0

SEBEe11nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1
NotS	1.60E-12	0.00E+00	0.00E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-16	0.00E+00	0.00E+00

SEBEe22nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	2.97E-03	2.85E-07	0.00E+00	2.49E-06	0.00E+00	0.00E+00	4.06E-04	1.92E-02	7.17E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEBEe12nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1
S	0.00E+00	7.31E-10	0.00E+00	4.73E-05	9.18E-09	0.00E+00	0.00E+00	7.77E-13	0.00E+00	0.00E+00	1.65E-11

SEBEe21nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	4.86E-01	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-02	6.45E-01	0.00E+00	0.00E+00	0.00E+00

SEBEq11nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1
NotS	6.82E-01	2.55E-01	5.61E-07	8.09E-01	2.69E-01	5.16E-08	2.32E-01	7.54E-01	0.00E+00	2.55E-10

SEBEq22nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	5.35E-01	2.13E-01	2.57E-06	8.96E-01	2.17E-01	1.70E-08	5.96E-02	1.00E+00	1.00E+00	0.00E+00	0.00E+00	2.00E-15	4.46E-12

SEBEq12nor

NotS NULL

SEBEq21nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	
NotS	0.10860151	0.0347375	0.00075482	0.21377478	0.00697109	0.00369792	0.5064153	0.99667079	0.99854713	0	0	0	

SEBEi11nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1
NotS	6.85E-01	1.90E-01	5.89E-08	7.96E-01	2.15E-01	5.21E-10	6.81E-01	3.24E-06	NA

SEBEi22nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2
NotS	7.18E-01	1.87E-01	2.30E-08	7.47E-01	2.05E-01	9.13E-11	3.83E-04	1.54E-02	1.00E+00	2.40E-05	NA

SEBEi12nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2
NotS	7.21E-01	1.86E-01	1.49E-08	7.43E-01	2.04E-01	5.04E-11	4.59E-01	1.60E-08	2.02E-05	NA

SEBEi21nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1
NotS	7.15E-01	1.99E-01	5.13E-08	7.61E-01	2.22E-01	4.01E-10	6.53E-01	4.82E-02	1.00E+00	NA

SEBEc11nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	eta11	eta21
NotS	1.58E-04	0.00E+00	2.08E-02	1.07E-02	0.00E+00	1.17E-01	1.04E-01	2.27E-08	6.39E-01	0.00E+00	0.00E+00

SEBEc22nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	6.72E-01	1.33E-01	6.29E-09	7.87E-01	1.50E-01	2.73E-12	7.95E-01	1.19E-02	8.79E-01	6.22E-04	1.35E-12	0.00E+00	6.66E-16

SEBEc12nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	eta11	eta21
NotS	7.96E-01	1.71E-01	6.09E-10	6.35E-01	1.89E-01	3.45E-13	7.38E-01	6.58E-07	3.28E-06	0.00E+00	0.00E+00	0.00E+00	

SEBEc21nor

	ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	4.43E-01	3.02E-01	6.14E-06	8.97E-01	2.94E-01	4.54E-07	9.37E-02	5.08E-10	1.00E+00	6.81E-01	0.00E+00	0.00E+00	

SEETs11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	2.19E-13	3.12E-01	1.57E-09	0.00E+00	0.00E+00

SEETs22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	1.54E-01	1.63E-03	9.92E-01	1.11E-01	2.27E-07	0.00E+00

SEETs12ged

NotS NULL

SEETs21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape	
NotS	0	0	0.20751043	0.04376058	0.99962164	0	0	

SEETe11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape	
S	0	0	0	0	0	0	0	

SEETe22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	3.33E-07	5.11E-08	7.47E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-12	0.00E+00

SEETe12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	0.00E+00	8.17E-04	1.92E-13	0.00E+00	0.00E+00	5.31E-06	0.00E+00

SEETe21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	1.77E-04	5.92E-01	0.00E+00	0.00E+00	1.30E-12	0.00E+00

SEETg11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	2.03E-13	1.32E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEETg22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	9.88E-09	3.81E-02	1.00E+00	1.00E+00	0.00E+00	9.30E-01	0.00E+00	0.00E+00	0.00E+00

SEETg12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	2.08E-02	5.41E-01	1.22E-02	0.00E+00	6.53E-11	0.00E+00

SEETg21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0.4308204	0.9999974	0.9999993	0	0	0	0

SEETi11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	5.63E-01	3.50E-09	NA	0.00E+00

SEETi22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.3102953	0.00089344	0.99999858	0.07403962	NA	0

SEETi12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0	0	0.6044285	0.00029197	0.04014823	NA	0

SEETi21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.53842282	0.03793038	0.99999725	NA	0

SEETc11ged

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	4.38E-01	1.51E-14	3.23E-01	0.00E+00	0.00E+00	0.00E+00

SEETc22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	9.43E-13	4.31E-01	0.00E+00	1.00E+00	7.86E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEETc12ged

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.81943999	0	0.68347114	0.99999981	0	0.02822467	0

SEETc21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0	0	0.5013609	0	0.9999878	0.7300532	0	0	0

SEETs11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.89E-07	5.56E-04	3.59E-01	3.80E-05	0.00E+00	0.00E+00

SEETs22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	2.10E-07	6.22E-04	4.97E-01	1.93E-03	1.00E+00	4.37E-01	1.20E-05	0.00E+00

SEETs12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	1.33E-07	6.27E-04	4.31E-01	3.02E-04	7.26E-02	4.91E-14	0.00E+00

SEETs21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	2.11E-07	5.61E-04	1.90E-01	1.35E-01	1.00E+00	0.00E+00	0.00E+00

SEETe11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	8.21E-07	1.19E-03	0.00E+00	2.87E-06	0.00E+00	1.85E-13	0.00E+00

SEETe22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	1.56E-09	2.10E-03	1.41E-04	9.52E-06	5.38E-01	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00

SEETe12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	5.02E-06	9.57E-04	2.77E-10	6.30E-06	0.00E+00	0.00E+00	6.04E-04	0.00E+00

SEETe21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	1.23E-09	1.81E-03	0.00E+00	8.51E-06	5.69E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEETg11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	1.78E-06	5.80E-03	0.00E+00	1.00E+00	0.00E+00	2.28E-10	0.00E+00

SEETg22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	6.07E-07	2.96E-03	4.97E-03	1.00E+00	1.00E+00	0.00E+00	9.65E-01	0.00E+00	0.00E+00	0.00E+00

SEETg12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape

	NotS	1.28E-06	3.77E-03	0.00E+00	9.99E-01	1.44E-02	8.65E-12	5.38E-11	0.00E+00					
SEETg21std														
		ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	NotS	5.03E-07	2.55E-03	5.48E-01	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
SEETi11std														
		ma1	ma2	omega	alpha1	beta1	shape							
	NotS	1.68E-07	5.41E-04	5.38E-01	2.40E-03	NA	0.00E+00							
SEETi22std														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	2.17E-07	6.10E-04	4.86E-01	1.30E-03	1.00E+00	5.02E-01	NA	0.00E+00					
SEETi12std														
		ma1	ma2	omega	alpha1	beta1	beta2	shape						
	NotS	1.33E-07	6.10E-04	3.29E-01	2.71E-04	7.55E-02	NA	0.00E+00						
SEETi21std														
		ma1	ma2	omega	alpha1	alpha2	beta1	shape						
	NotS	1.91E-07	5.43E-04	4.73E-01	6.38E-02	1.00E+00	NA	0.00E+00						
SEETc11std														
		ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape					
	NotS	1.52E-09	1.57E-04	2.79E-01	1.27E-14	1.87E-01	0.00E+00	6.07E-10	0.00E+00					
SEETc22std														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape			
	NotS	5.55E-10	1.25E-04	2.62E-01	0.00E+00	1.00E+00	6.33E-01	1.00E+00	0.00E+00	3.20E-12	0.00E+00			
SEETc12std														
		ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape				
	NotS	5.90E-10	1.26E-04	2.53E-01	0.00E+00	1.74E-01	1.00E+00	0.00E+00	4.41E-10	0.00E+00				
SEETc21std														
		ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape				
	NotS	1.48E-09	1.54E-04	2.28E-01	0.00E+00	1.00E+00	5.60E-01	0.00E+00	2.53E-10	0.00E+00				
SEETs11nor														
		ma1	ma2	omega	alpha1	beta1								
	NotS	0.00671298	0.26392394	0.73003474	0.01770142	0								
SEETs22nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2						
	NotS	6.83E-03	2.43E-01	6.75E-01	5.38E-08	1.00E+00	4.54E-01	8.20E-05						
SEETs12nor														
		ma1	ma2	omega	alpha1	beta1	beta2							
	NotS	7.27E-03	2.61E-01	3.80E-01	3.43E-06	5.80E-03	0.00E+00							
SEETs21nor														
		ma1	ma2	omega	alpha1	alpha2	beta1							
	NotS	0.00619113	0.25152617	0.67382582	0.00080385	0.99999783	0							
SEETe11nor														
		ma1	ma2	omega	alpha1	beta1	gamma1							
	S	0.00196596	0.03619262	0	0	0	0							
SEETe22nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	1.69E-04	5.49E-02	0.00E+00	5.12E-04	8.12E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-12				
SEETe12nor														
	S	ma1	ma2	omega	alpha1	beta1	beta2	gamma1						
		2.92E-03	4.66E-03	1.28E-04	0.00E+00	0.00E+00	0.00E+00	6.44E-15						
SEETe21nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	9.47E-04	4.21E-02	0.00E+00	5.49E-07	3.03E-01	0.00E+00	0.00E+00	4.44E-16					
SEETg11nor														
		ma1	ma2	omega	alpha1	beta1	gamma1							
	NotS	0.00100324	0.11667783	0.57616559	0.99576354	0	3.0861E-05							
SEETg22nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	1.97E-03	1.60E-01	2.26E-01	9.98E-01	9.99E-01	0.00E+00	3.52E-03	0.00E+00	1.44E-11				
SEETg12nor														
		ma1	ma2	omega	alpha1	beta1	beta2	gamma1						
	NotS	1.64E-03	1.60E-01	7.10E-01	9.05E-01	8.84E-03	1.54E-13	8.30E-03						
SEETg21nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	0.00193103	0.16617989	0.52053488	0.99030777	0.99738831	0	0	0					
SEETi11nor														
		ma1	ma2	omega	alpha1	beta1								
	NotS	5.36E-03	2.56E-01	7.29E-01	6.31E-05	NA								
SEETi22nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2						
	NotS	6.39E-03	2.17E-01	7.95E-01	5.87E-09	1.00E+00	5.40E-01	NA						
SEETi12nor														
		ma1	ma2	omega	alpha1	beta1	beta2							
	NotS	6.45E-03	2.40E-01	4.85E-01	6.38E-09	5.36E-03	NA							
SEETi21nor														
		ma1	ma2	omega	alpha1	alpha2	beta1							
	NotS	0.00541475	0.25408788	0.83448287	0.0008712	0.99999978	NA							
SEETc11nor														
		ma1	ma2	omega	alpha1	beta1	eta11	eta21						
	NotS	6.87E-03	3.42E-01	6.27E-01	0.00E+00	0.00E+00	0.00E+00	3.06E-07						
SEETc22nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21				
	NotS	7.38E-03	3.76E-01	7.04E-01	1.13E-07	1.00E+00	3.75E-01	2.91E-09	0.00E+00	1.98E-06				
SEETc12nor														
		ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21					
	NotS	6.20E-03	3.87E-01	7.17E-01	2.33E-09	3.22E-03	0.00E+00	0.00E+00	7.82E-06					
SEETc21nor														
		ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21					
	NotS	8.90E-03	4.43E-01	6.00E-01	9.84E-04	9.86E-01	0.00E+00	0.00E+00	1.89E-07					
SECHs11ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	shape				
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-01	2.44E-15	0.00E+00	0.00E+00				
SECHs22ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape		
	NotS	0	0	0	0	0	0.07319346	0.01273054	0.99595003	0.06108797	3.2644E-05	0		
SECHs12ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape			
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-01	8.04E-09	2.48E-02	1.13E-08	0.00E+00			
SECHs21ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape			
	NotS	0	0	0	0	0	0.2003496	0.1442754	0.9994449	0	0			
SECHe11ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape			
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	0.00E+00	9.82E-04	0.00E+00			
SECHe22ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-16	1.39E-03	5.35E-01	0.00E+00	0.00E+00	5.81E-12	9.39E-09	0.00E+00
SECHe12ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape		
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-07	0.00E+00		
SECHe21ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	5.06E-01	0.00E+00	6.51E-12	1.38E-08	0.00E+00	
SECHg11ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape			
	NotS	0	0	0	0	0	0.4184183	0.99961586	0	0.00029325	0			
SECHg22ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-01	9.40E-01	1.00E+00	0.00E+00	6.21E-01	5.10E-13	6.85E-10	0.00E+00
SECHg12ged														
	NotS	NULL												
SECHg21ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-01	9.21E-01	9.98E-01	0.00E+00	2.10E-08	1.87E-06	0.00E+00	
SECHi11ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	shape				
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-01	4.44E-15	NA	0.00E+00				
SECHi22ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape		
	NotS	0	0	0	0	0	0.01105415	0.03886801	0.99998088	0.17575227	NA	0		
SECHi12ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape			
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-01	1.30E-10	6.38E-02	NA	0.00E+00			
SECHi21ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape			
	NotS	0	0	0	0	0	0.4633371	0.1025821	0.999639	NA	0			
SECHc11ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	eta11	eta21	shape		
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	9.77E-07	4.45E-01	0.00E+00	3.74E-03	0.00E+00		
SECHc22ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-01	1.98E-02	9.20E-01	2.20E-02	3.17E-06	0.00E+00	0.00E+00	0.00E+00
SECHc12ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	eta11	eta21	shape	
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-01	1.36E-02	2.69E-01	5.69E-07	0.00E+00	0.00E+00	0.00E+00	
SECHc21ged														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	1.75E-08	9.86E-01	4.17E-02	0.00E+00	0.00E+00	0.00E+00	
SECHs11std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	shape				
	NotS	6.58E-10	8.33E-07	3.42E-11	8.81E-09	1.83E-06	1.38E-01	4.22E-15	0.00E+00	0.00E+00				
SECHs22std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape		
	NotS	3.92E-06	8.94E-09	1.70E-07	9.14E-11	5.86E-03	1.04E-01	3.58E-02	1.00E+00	1.62E-01	3.30E-04	0.00E+00		
SECHs12std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape			
	NotS	4.05E-06	9.80E-09	1.70E-07	1.05E-10	4.74E-03	2.41E-01	1.14E-07	3.14E-02	4.48E-09	0.00E+00			
SECHs21std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape			
	NotS	6.80E-10	8.68E-07	3.54E-11	9.15E-09	2.75E-06	1.11E-01	1.56E-01	1.00E+00	0.00E+00	0.00E+00			
SECHe11std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape			
	S	0.00E+00	5.91E-05	0.00E+00	2.90E-07	3.78E-04	0.00E+00	2.82E-07	0.00E+00	1.78E-07	0.00E+00			
SECHe22std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-08	2.47E-03	1.31E-03	3.04E-01	0.00E+00	8.11E-02	5.05E-06	5.37E-06	0.00E+00
SECHe12std														
		ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape		
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	3.54E-04	1.11E-08	0.00E+00	0.00E+00	2.44E-05	0.00E+00		

SECHe21std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-08	0.00E+00	1.20E-03	3.02E-01	0.00E+00	2.06E-06	2.23E-06	0.00E+00

SECHq11std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape
NotS	3.33E-07	2.95E-12	1.35E-08	4.44E-15	4.45E-03	3.43E-01	1.00E+00	0.00E+00	2.57E-06	0.00E+00

SECHq22std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	2.94E-04	2.22E-10	3.56E-05	2.11E-12	3.96E-03	7.11E-01	1.00E+00	1.00E+00	0.00E+00	1.01E-01	0.00E+00	7.68E-03	0.00E+00

SECHq12std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape
NotS	3.85E-06	5.81E-11	2.25E-07	3.06E-13	4.52E-03	5.90E-02	1.00E+00	1.80E-02	5.34E-07	0.00E+00	0.00E+00

SECHq21std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	7.71E-05	2.96E-09	1.54E-05	2.32E-11	1.57E-05	5.90E-01	1.00E+00	1.00E+00	0.00E+00	3.81E-03	5.40E-03	0.00E+00

SECHi11std

NotS	NULL

SECHi22std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	shape
NotS	3.80E-06	8.34E-09	1.68E-07	8.68E-11	6.06E-03	1.22E-02	5.18E-02	1.00E+00	1.59E-01	NA	0.00E+00

SECHi12std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	shape
NotS	4.02E-06	8.64E-09	1.69E-07	9.12E-11	4.71E-03	2.58E-01	7.29E-07	4.35E-02	NA	0.00E+00

SECHi21std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	shape
NotS	1.68E-06	1.69E-09	8.25E-08	9.76E-12	6.97E-03	1.83E-01	1.17E-01	1.00E+00	NA	0.00E+00

SECHc11std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	eta11	eta21	shape
NotS	4.69E-11	8.95E-05	3.56E-13	1.55E-06	6.81E-07	6.48E-04	9.77E-13	1.46E-01	0.00E+00	1.33E-12	0.00E+00

SECHc22std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	8.56E-06	1.36E-08	6.49E-07	2.56E-10	1.69E-02	8.43E-01	2.69E-01	9.99E-01	6.75E-01	1.11E-01	0.00E+00	5.48E-14	0.00E+00

SECHc12std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	2.00E-07	1.16E-06	5.20E-09	2.00E-08	5.77E-03	6.76E-01	2.90E-03	7.88E-02	1.21E-06	0.00E+00	0.00E+00	0.00E+00

SECHc21std

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.03164267	0.03130214	0.01272397	0.00937216	0.00974855	0.10253672	0	1	0.76135762	0	0.00488897	0

SECHs11nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1
NotS	1.61E-03	9.88E-07	4.82E-04	2.51E-09	3.85E-01	7.40E-01	6.22E-03	0.00E+00

SECHs22nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2
NotS	1.45E-06	5.55E-08	3.37E-07	3.84E-11	8.77E-03	2.65E-01	5.42E-06	1.00E+00	1.95E-07	0.00E+00

SECHs12nor

NotS	NULL

SECHs21nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1
NotS	1.52E-03	9.26E-07	4.57E-04	1.29E-09	3.49E-01	7.92E-01	3.03E-02	1.00E+00	0.00E+00

SECHe11nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1
S	0	0	0	0	0.01816093	0	0	0	0

SECHe22nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-09	5.35E-08	4.00E-04	1.65E-01	0.00E+00	0.00E+00	2.78E-12	2.51E-08

SECHe12nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1
S	7.06E-04	0.00E+00	2.08E-05	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-11

SECHe21nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-12	1.81E-08

SECHq11nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1
NotS	1.04E-03	8.56E-09	2.91E-04	2.26E-14	1.63E-01	5.59E-01	9.04E-01	0.00E+00	2.90E-03

SECHq22nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	1.92E-05	1.44E-11	3.08E-06	3.11E-15	1.74E-01	2.91E-01	9.05E-01	9.97E-01	0.00E+00	4.72E-01	0.00E+00	1.33E-15

SECHq12nor

NotS	NULL

SECHq21nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	1.44E-05	1.80E-11	2.23E-06	2.22E-15	1.55E-01	3.51E-01	9.26E-01	9.98E-01	0.00E+00	0.00E+00	0.00E+00

SECHi11nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1
NotS	1.59E-03	1.45E-06	4.67E-04	1.85E-09	3.13E-01	6.45E-01	1.91E-10	NA

SECHi22nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2
NotS	1.75E-03	2.74E-06	5.25E-04	5.09E-09	3.02E-01	0.00E+00	3.22E-03	1.00E+00	6.01E-02	NA

SECHi12nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2
NotS	1.58E-03	2.27E-06	4.57E-04	4.42E-09	3.03E-01	5.35E-01	4.31E-09	2.65E-02	NA

SECHi21nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1
NotS	1.54E-03	1.45E-06	4.58E-04	2.13E-09	3.28E-01	6.19E-01	2.50E-02	1.00E+00	NA

SECHc11nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	eta11	eta21
NotS	1.57E-04	2.07E-08	2.58E-05	1.33E-11	1.39E-01	2.37E-02	0.00E+00	1.84E-01	0.00E+00	2.22E-16

SECHc22nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	7.73E-04	8.44E-08	2.84E-04	1.42E-09	3.76E-02	0.00E+00	0.00E+00	1.00E+00	7.45E-01	1.00E+00	0.00E+00	0.00E+00

SECHc12nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	eta11	eta21
NotS	1.16E-11	6.82E-09	0.00E+00	0.00E+00	5.10E-02	2.40E-01	8.13E-09	1.94E-01	1.00E+00	0.00E+00	3.38E-11

SECHc21nor

	ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	1.59E-04	2.56E-08	2.71E-05	1.46E-11	1.43E-01	1.43E-03	0.00E+00	1.00E+00	2.11E-01	0.00E+00	4.81E-11

SEAPs11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	0	0	0	0	0	0.84981377	0.00736386	0	0

SEAPs22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-01	1.26E-05	1.00E+00	6.42E-05	0.00E+00	0.00E+00

SEAPs12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-01	1.19E-10	7.05E-05	0.00E+00	0.00E+00

SEAPs21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	2.01E-06	1.72E-06	0.00E+00	9.90E-01	9.26E-01	1.89E-01	1.00E+00	0.00E+00	1.20E-05

SEAPe11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	6.98E-06	0.00E+00

SEAPe22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	1.34E-03	1.05E-09	0.00E+00	3.90E-11	6.04E-02	1.19E-01	5.86E-01	0.00E+00	5.48E-02	0.00E+00	0.00E+00	0.00E+00

SEAPe12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	4.33E-12	0.00E+00	1.01E-01	6.20E-14	1.55E-04	0.00E+00	0.00E+00	2.49E-09	0.00E+00

SEAPe21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	4.21E-12	1.84E-08	0.00E+00	9.93E-01	0.00E+00	1.24E-01	5.93E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEAPq11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	2.06E-01	0.00E+00	0.00E+00	0.00E+00	8.03E-01	5.76E-02	0.00E+00	1.97E-05	0.00E+00

SEAPq22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	3.95E-08	0.00E+00	8.60E-13	7.28E-01	7.57E-01	1.00E+00	0.00E+00	9.75E-01	7.11E-07	7.68E-06	0.00E+00

SEAPq12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0	0	0	0	0.21202395	0.00267309	0.00019689	0	0.00019163	0

SEAPq21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	4.44E-16	0.00E+00	0.00E+00	0.00E+00	7.39E-01	7.49E-01	1.00E+00	0.00E+00	1.37E-05	8.68E-05	0.00E+00

SEAPi11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-01	1.33E-15	NA	0.00E+00

SEAPi22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0	0.29223895	0.00207644	0.99709649	0.28817246	NA	0

SEAPi12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-01	3.28E-09	1.59E-01	NA	0.00E+00

SEAPi21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0	0.3788961	0.1616424	0.999899	NA	0

SEAPc11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	1.56E-02	9.76E-02	0.00E+00	0.00E+00	8.28E-01	2.85E-03	8.00E-01	0.00E+00	1.15E-09	0.00E+00

SEAPc22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	9.30E-12	9.30E-05	1.15E-09	0.00E+00	9.67E-02	6.42E-10	1.00E+00	8.42E-01	1.00E+00	0.00E+00	1.47E-03	0.00E+00

SEAPc12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0	0	0	0.5752761	0	0.7065294	0.9999889	0	0	0

SEAPc21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	5.22E-01	9.24E-10	9.97E-01	6.07E-01	0.00E+00	0.00E+00	0.00E+00

SEAPs11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.07E-04	9.01E-02	5.24E-05	1.73E-05	1.60E-02	4.48E-01	2.02E-06	0.00E+00	0.00E+00

SEAPs22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	1.10E-04	8.74E-02	5.34E-05	1.64E-05	1.49E-02	1.30E-01	1.24E-05	1.00E+00	1.70E-04	0.00E+00	0.00E+00

SEAPs12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	1.07E-04	8.73E-02	4.67E-05	1.57E-05	1.48E-02	1.61E-01	1.47E-09	9.36E-05	0.00E+00	0.00E+00

SEAPs21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.14E-04	9.34E-02	5.94E-05	1.87E-05	1.68E-02	2.83E-01	1.24E-01	1.00E+00	0.00E+00	0.00E+00

SEAPe11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	5.91E-07	4.70E-11	0.00E+00	7.74E-12	0.00E+00	1.11E-15	0.00E+00	4.33E-03	0.00E+00

SEAPe22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	3.62E-07	4.46E-04	0.00E+00	0.00E+00	5.49E-02	1.08E-01	7.41E-01	0.00E+00	3.50E-02	1.39E-05	1.54E-05	0.00E+00

SEAPe12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	5.09E-10	0.00E+00	1.74E-06	1.47E-11	0.00E+00	2.01E-03	2.01E-04	0.00E+00	0.00E+00	1.70E-07	0.00E+00

SEAPe21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	3.75E-07	4.41E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-01	7.44E-01	0.00E+00	4.24E-04	4.52E-04	0.00E+00

SEAPg11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	2.20E-06	4.15E-02	7.44E-06	1.57E-07	3.60E-03	5.62E-01	4.23E-01	0.00E+00	1.77E-04	0.00E+00

SEAPg22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	5.46E-06	2.33E-02	1.03E-05	4.02E-07	1.38E-03	6.56E-01	8.93E-01	1.00E+00	0.00E+00	0.00E+00	8.02E-05	2.60E-04	1.62E-08

SEAPg12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	1.54E-06	3.75E-02	5.48E-06	9.18E-08	3.12E-03	5.16E-01	7.82E-02	3.38E-05	0.00E+00	4.89E-05	0.00E+00

SEAPg21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	6.11E-04	6.96E-02	2.06E-05	1.10E-04	9.86E-03	9.15E-01	9.62E-01	1.00E+00	0.00E+00	9.27E-02	5.97E-02	1.35E-01	

SEAPi11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.19E-04	9.17E-02	5.33E-05	1.97E-05	1.64E-02	1.36E-01	6.53E-14	NA	0.00E+00

SEAPi22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	1.09E-04	8.74E-02	5.24E-05	1.63E-05	1.50E-02	1.09E-01	5.74E-03	1.00E+00	2.94E-01	NA	0.00E+00

SEAPi12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	1.05E-04	8.86E-02	4.80E-05	1.53E-05	1.50E-02	2.08E-01	1.50E-07	1.46E-01	NA	0.00E+00

SEAPi21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	8.49E-05	9.07E-02	4.22E-05	1.32E-05	1.58E-02	1.25E-01	1.50E-01	1.00E+00	NA	0.00E+00

SEAPc11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	3.42E-06	3.85E-02	2.22E-16	9.23E-08	3.45E-06	1.40E-01	4.21E-09	6.05E-01	0.00E+00	0.00E+00	0.00E+00

SEAPc22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	4.14E-03	1.87E-01	3.71E-03	8.46E-04	3.44E-02	4.44E-01	1.02E-07	1.00E+00	8.08E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEAPc12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	6.87E-02	1.49E-01	3.55E-02	3.96E-02	8.51E-02	1.75E-01	2.08E-03	5.25E-01	1.00E+00	0.00E+00	5.44E-07	0.00E+00	

SEAPc21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	4.31E-03	1.64E-01	4.93E-03	1.09E-03	2.95E-02	3.85E-04	1.48E-03	1.00E+00	8.88E-01	0.00E+00	2.39E-10	0.00E+00	

SEAPs11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1
NotS	0.00E+00	2.59E-12	1.38E-02	0.00E+00	0.00E+00	7.92E-01	1.16E-02	0.00E+00

SEAPs22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	7.92E-13	1.16E-02	0.00E+00	0.00E+00	2.98E-01	9.99E-13	9.98E-01	7.82E-06	0.00E+00

SEAPs12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2
NotS	0.00E+00	1.83E-11	1.59E-02	0.00E+00	0.00E+00	3.59E-01	4.45E-09	2.29E-05	0.00E+00

SEAPs21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.00E+00	2.86E-09	1.48E-02	0.00E+00	2.66E-15	9.32E-01	9.42E-02	9.98E-01	0.00E+00

SEAPe11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1
S	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00

SEAPe22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	0.00E+00	1.60E-11	0.00E+00	0.00E+00	1.42E-03	8.79E-02	7.71E-01	0.00E+00	0.00E+00	1.55E-15	4.88E-12

SEAPe12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	1.02E-07

SEAPe21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	1.47E-01	6.79E-01	0.00E+00	1.66E-08	5.87E-07

SEAPg11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	0	0	0.01203513	0	0	0.50211339	0.04698185	0	0.00026236

SEAPg22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	2.22E-16	1.40E-02	0.00E+00	0.00E+00	1.75E-01	5.05E-01	9.99E-01	0.00E+00	0.00E+00	3.37E-04	1.96E-03

SEAPg12nor

NotS	NULL

SEAPg21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	5.56E-02	5.43E-01	9.87E-01	0.00E+00	7.39E-05	5.50E-04	

SEAPi11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1
NotS	0.00E+00	2.22E-16	1.30E-02	0.00E+00	0.00E+00	5.77E-01	1.49E-13	NA

SEAPi22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	7.62E-13	1.26E-02	0.00E+00	0.00E+00	4.60E-01	5.31E-06	1.00E+00	1.33E-01	NA

SEAPi12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2
NotS	0.00E+00	2.49E-13	1.22E-02	0.00E+00	0.00E+00	5.29E-01	1.54E-10	5.98E-02	NA

SEAPi21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.00E+00	2.22E-16	1.27E-02	0.00E+00	0.00E+00	5.82E-01	6.68E-02	1.00E+00	NA

SEAPc11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	0.00E+00	2.66E-15	5.57E-03	0.00E+00	0.00E+00	1.13E-09	8.20E-09	7.57E-01	0.00E+00	0.00E+00

SEAPc22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	2.02E-11	8.66E-15	6.61E-03	0.00E+00	0.00E+00	0.00E+00	4.10E-13	1.00E+00	7.48E-01	1.00E+00	0.00E+00	0.00E+00

SEAPc12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	3.37E-10	8.66E-15	9.08E-03	0.00E+00	0.00E+00	0.00E+00	4.72E-08	7.57E-01	1.00E+00	0.00E+00	0.00E+00	

SEAPc21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	2.50E-09	0.00E+00	5.61E-03	4.44E-16	0.00E+00	2.22E-16	8.31E-09	9.99E-01	8.14E-01	0.00E+00	3.87E-11	

BITCs11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03	1.53E-10	0.00E+00	0.00E+00

BITCs22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0	0.1370407	0	0.9999573	0.4812841	0.4032353	0

BITCs12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
S	0.00E+00	0.00E+00	1.83E-13	0.00E+00	0.00E+00	2.10E-03	6.21E-11	2.70E-03	2.74E-03	0.00E+00

BITCs21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-02	2.22E-07	1.00E+00	0.00E+00	0.00E+00

BITCe11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	2.29E-09	0.00E+00	0.00E+00	8.22E-15	2.37E-05	3.30E-01	0.00E+00	0.00E+00	0.00E+00

BITCe22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0	0	0	0.17984659	0.94387735	0.77920156	0	0.01166064	0	0.0246331	0

BITCe12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	4.29E-01	8.88E-16	8.25E-03	0.00E+00	0.00E+00

BITCe21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	3.32E-13	0.00E+00	0.00E+00	2.57E-07	3.78E-04	9.91E-01	7.15E-01	0.00E+00	0.00E+00	9.26E-03	0.00E+00

BITCq11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	1.26E-07	0.00E+00	2.89E-01	0.00E+00

BITCg22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-01	8.83E-05	1.00E+00	6.19E-01	1.49E-01	7.74E-01	2.96E-01	0.00E+00

BITCq12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	1.32E-07	2.65E-03	3.47E-03	3.51E-01	0.00E+00

BITCg21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0	0	0	0.00934714	0.00064588	0.99994953	0	0.08150005	0.13884155	0

BITCi11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	4.76E-12	NA	0.00E+00

BITCi22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-02	1.77E-11	1.00E+00	2.23E-01	NA	0.00E+00

BITCi12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	4.04E-13	2.57E-03	NA	0.00E+00

BITCi21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-02	5.94E-08	1.00E+00	NA	0.00E+00

BITCc11ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-03	2.08E-02	3.27E-01	0.00E+00	9.28E-08	0.00E+00

BITCc22ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03	3.78E-03	9.99E-01	5.37E-01	3.02E-01	0.00E+00	8.16E-06	0.00E+00

BITCc12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
S	0.00E+00	1.22E-04	8.88E-16	0.00E+00	0.00E+00	3.20E-03	1.18E-03	3.83E-02	5.40E-04	0.00E+00	8.67E-06	0.00E+00	

BITCc21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	8.48E-08	1.00E+00	8.75E-01	0.00E+00	1.31E-05	0.00E+00	

BITCs11std

		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape							
	NotS	0.00E+00	1.87E-02	7.53E-02	0.00E+00	0.00E+00	2.63E-03	5.82E-14	0.00E+00	0.00E+00							
BITCs22std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	0	0.02507981	0.06336531	0	0	0.06085391	0	0.99999828	0.30243755	0.25401065	0					
BITCs12std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape						
	NotS	0.00E+00	0.00E+00	3.19E-01	0.00E+00	0.00E+00	8.32E-04	2.38E-14	9.66E-04	1.26E-03	0.00E+00						
BITCs21std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape						
	NotS	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	1.12E-02	1.57E-08	1.00E+00	0.00E+00	0.00E+00						
BITCe11std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape						
	NotS	0.00E+00	1.71E-11	4.53E-06	0.00E+00	0.00E+00	1.06E-04	7.21E-01	0.00E+00	6.54E-11	0.00E+00						
BITCe22std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
	NotS	0.00E+00	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	8.24E-01	8.15E-01	0.00E+00	3.06E-03	3.97E-11	6.65E-03	0.00E+00			
BITCe12std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape					
	NotS	0.00E+00	0.00E+00	2.01E-13	0.00E+00	0.00E+00	1.61E-04	9.48E-01	0.00E+00	6.59E-03	2.48E-11	0.00E+00					
BITCe21std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	NotS	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	8.61E-04	7.93E-01	7.76E-01	0.00E+00	9.20E-11	2.22E-02	0.00E+00				
BITCq11std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape						
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	2.44E-15	0.00E+00	6.75E-01	0.00E+00						
BITCq22std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
	NotS	0.00E+00	7.12E-03	7.63E-02	0.00E+00	0.00E+00	7.14E-02	1.46E-09	1.00E+00	4.76E-01	1.69E-01	8.87E-01	2.13E-01	0.00E+00			
BITCq12std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape					
	NotS	0.00E+00	1.88E-02	6.25E-02	0.00E+00	0.00E+00	1.86E-03	1.25E-08	1.18E-03	6.88E-03	4.15E-01	0.00E+00					
BITCq21std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	NotS	0	0.00960411	0.0570665	0	0	0.0137068	0.0004569	0.99999891	0	0.12669955	0.21970465	0				
BITCi11std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape							
	NotS	0.00E+00	3.07E-02	7.42E-02	0.00E+00	0.00E+00	7.05E-04	3.11E-15	NA	0.00E+00							
BITCi22std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	0.00E+00	2.38E-02	6.59E-02	0.00E+00	0.00E+00	1.64E-01	7.90E-08	1.00E+00	4.69E-01	NA	0.00E+00					
BITCi12std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape						
	NotS	0.00E+00	2.43E-02	6.41E-02	0.00E+00	0.00E+00	6.22E-04	6.88E-15	8.54E-04	NA	0.00E+00						
BITCi21std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape						
	NotS	0.00E+00	1.65E-02	7.56E-02	0.00E+00	0.00E+00	6.44E-03	6.61E-09	1.00E+00	NA	0.00E+00						
BITCc11std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape					
	NotS	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.05E-09	6.95E-03	1.37E-01	0.00E+00	2.32E-11	0.00E+00					
BITCc22std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape			
	NotS	0.00E+00	1.05E-01	4.76E-02	0.00E+00	0.00E+00	2.27E-09	3.19E-03	1.00E+00	4.12E-01	2.32E-01	0.00E+00	1.09E-10	0.00E+00			
BITCc12std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape				
	NotS	0.00E+00	1.06E-01	4.72E-02	0.00E+00	0.00E+00	3.41E-13	1.42E-03	3.06E-02	1.24E-02	0.00E+00	4.44E-16	0.00E+00				
BITCc21std																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape				
	NotS	0.00E+00	4.52E-03	4.35E-02	0.00E+00	0.00E+00	2.59E-04	1.34E-05	1.00E+00	8.67E-01	0.00E+00	2.22E-16	0.00E+00				
BITCs11nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1								
	NotS	8.52E-11	0.00E+00	1.24E-01	0.00E+00	0.00E+00	5.03E-05	1.11E-14	0.00E+00								
BITCs22nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2						
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	1.00E+00	1.37E-01	6.66E-02						
BITCs12nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2							
	NotS	4.14E-04	0.00E+00	7.92E-01	3.71E-04	0.00E+00	1.13E-03	7.74E-11	1.32E-03	6.05E-06							
BITCs21nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1							
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	4.98E-13	1.00E+00	0.00E+00							
BITCe11nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1							
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	1.26E-02	0.00E+00	0.00E+00							
BITCe22nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	7.88E-03	1.78E-01	5.75E-05	3.62E-01	6.18E-02	0.00E+00	4.15E-01				
BITCe12nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1						
	S	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	2.75E-09	3.77E-02	0.00E+00	1.61E-03	0.00E+00						
BITCe21nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	0.00E+00	0.00E+00	2.56E-01	0.00E+00	0.00E+00	2.66E-05	8.51E-01	4.36E-01	0.00E+00	0.00E+00	2.27E-05					
BITCq11nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1							
	NotS	0.00E+00	0.00E+00	5.74E-01	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	4.17E-02							
BITCq22nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	0.00E+00	0.00E+00	9.53E-01	0.00E+00	0.00E+00	1.43E-06	0.00E+00	1.00E+00	5.25E-01	3.18E-14	1.64E-01	5.05E-05				
BITCq12nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1						
	NotS	1.49E-08	0.00E+00	7.98E-01	7.95E-09	0.00E+00	9.06E-05	5.90E-12	4.88E-04	4.25E-06	4.30E-02						
BITCq21nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	8.93E-01	5.88E-01	9.87E-01	9.07E-01	5.80E-01	5.50E-06	3.60E-07	1.00E+00	0.00E+00	1.75E-03	4.90E-03					
BITCi11nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1								
	NotS	0.00E+00	0.00E+00	6.60E-01	0.00E+00	0.00E+00	2.34E-07	0.00E+00	NA								
BITCi22nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2						
	NotS	1.23E-08	0.00E+00	9.54E-01	2.24E-08	0.00E+00	1.66E-10	0.00E+00	1.00E+00	1.04E-01	NA						
BITCi12nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2							
	NotS	6.19E-08	0.00E+00	9.55E-01	1.66E-07	0.00E+00	4.90E-06	0.00E+00	3.14E-04	NA							
BITCi21nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1							
	NotS	0.00E+00	0.00E+00	6.62E-01	0.00E+00	0.00E+00	3.53E-05	7.90E-14	1.00E+00	NA							
BITCc11nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21						
	S	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	5.18E-11	7.55E-07	2.66E-02	0.00E+00	0.00E+00						
BITCc22nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21				
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	2.62E-04	1.00E+00	6.82E-01	3.61E-01	0.00E+00	0.00E+00				
BITCc12nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21					
	NotS	1.01E-07	0.00E+00	2.14E-01	0.00E+00	0.00E+00	3.49E-13	2.27E-08	6.64E-13	0.00E+00	0.00E+00	0.00E+00					
BITCc21nor																	
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21					
	NotS	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	4.47E-11	1.99E-06	1.00E+00	6.94E-01	0.00E+00	0.00E+00					
LITCs11ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape								
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02	1.52E-07	0.00E+00	0.00E+00								
LITCs22ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.33E-08	9.99E-01	1.20E-01	2.48E-01	0.00E+00						
LITCs12ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape							
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-02	6.24E-06	1.17E-03	6.73E-02	0.00E+00							
LITCs21ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape							
	NotS	0	0	0	0	0.01804628	0.0006839	0.99979813	0	0							
LITCe11ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape							
	NotS	0	0	0	0	0	0.4421266	0	0	0							
LITCe22ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	7.14E-01	9.70E-01	0.00E+00	9.76E-04	1.00E-09	1.69E-02	0.00E+00				
LITCe12ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape						
	NotS	0	0	0	0	0	0.4743158	0	0	0	0						
LITCe21ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape					
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-13	6.12E-01	8.74E-01	0.00E+00	1.07E-10	6.67E-03	0.00E+00					
LITCq11ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape							
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-03	3.97E-06	0.00E+00	2.47E-01	0.00E+00							
LITCq22ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-01	2.29E-11	1.00E+00	2.39E-01	9.99E-01	3.08E-01	9.80E-05	0.00E+00				
LITCq12ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape						
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	1.79E-05	1.55E-03	4.20E-02	2.45E-01	0.00E+00						
LITCq21ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape					
	NotS	0	0	0	0	0.01376179	0.01301888	0.9999762	0	0.26799545	0.12648045	0					
LITCi11ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape								
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-03	2.44E-08	NA	0.00E+00								
LITCi22ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-10	1.00E+00	8.48E-02	NA	0.00E+00						
LITCi12ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape							
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-03	1.53E-06	1.12E-03	NA	0.00E+00							
LITCi21ged																	
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape							
	NotS	0	0	0	0	0.01712766	0.00130576	0.99988476	NA	0							
LITCc11ged																	

			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape			
	0	S				0	0	0	0	0	0	0	0	0	
LITCs22qed															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	1.00E+00	8.72E-02	2.32E-01	0.00E+00	2.22E-16	0.00E+00	
LITCc12qed															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape		
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	0.00E+00	3.64E-05	7.83E-03	0.00E+00	0.00E+00	0.00E+00		
LITCc21qed															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.59E-04	6.02E-01	8.55E-01	0.00E+00	1.95E-07	0.00E+00		
LITCs11std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape					
		NotS	7.95E-03	7.80E-02	2.05E-03	6.13E-02	3.25E-02	2.24E-09	0.00E+00	0.00E+00					
LITCs22std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape			
		NotS	1.81E-02	1.17E-01	5.73E-03	9.41E-02	0.00E+00	6.17E-09	1.00E+00	3.95E-02	6.18E-02	0.00E+00			
LITCs12std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape				
		NotS	1.81E-02	1.18E-01	5.74E-03	9.43E-02	3.92E-02	6.64E-08	1.58E-03	8.21E-03	0.00E+00				
LITCs21std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape				
		NotS	0.00796053	0.07856618	0.00205027	0.06151592	0.05440868	0.00017833	0.99999908	0	0				
LITCe11std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape				
		NotS	7.08E-08	0.00E+00	1.11E-09	0.00E+00	0.00E+00	2.22E-01	0.00E+00	0.00E+00	0.00E+00				
LITCe22std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
		NotS	0.00E+00	1.39E-03	0.00E+00	5.90E-05	2.50E-02	8.13E-01	7.67E-01	0.00E+00	1.20E-02	1.92E-12	8.52E-04	0.00E+00	
LITCe12std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape			
		NotS	0.00E+00	2.56E-07	0.00E+00	3.19E-10	9.36E-03	1.93E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
LITCe21std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
		NotS	0.00E+00	1.81E-03	0.00E+00	8.98E-05	0.00E+00	8.01E-01	7.77E-01	0.00E+00	2.36E-12	1.04E-03	0.00E+00		
LITCq11std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape				
		NotS	1.23E-02	8.88E-02	3.63E-03	7.27E-02	3.26E-02	2.22E-08	0.00E+00	2.62E-01	0.00E+00				
LITCq22std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
		NotS	0.07561497	0.16261505	0.03795038	0.15399955	0.31705694	0.00576171	0.99999926	0.00112974	0.99998892	0.26329518	0.13985493		0
LITCq12std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape			
		NotS	1.97E-02	1.18E-01	6.42E-03	9.47E-02	3.93E-02	3.62E-07	1.61E-03	6.55E-03	2.30E-01	0.00E+00			
LITCq21std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
		NotS	0.07555491	0.16113123	0.03792515	0.1527222	0.04729407	0.00550372	0.99999865	0	0.10168298	0.03647283	0		
LITCi11std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape					
		NotS	7.85E-03	7.72E-02	2.01E-03	6.06E-02	1.23E-02	1.95E-09	NA	0.00E+00					
LITCi22std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape			
		NotS	1.78E-02	1.16E-01	5.64E-03	9.31E-02	6.66E-10	1.24E-13	1.00E+00	1.52E-01	NA	0.00E+00			
LITCi12std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape				
		NotS	1.78E-02	1.16E-01	5.64E-03	9.31E-02	1.34E-02	6.20E-08	5.70E-04	NA	0.00E+00				
LITCi21std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape				
		NotS	0.0078487	0.07772868	0.00201387	0.06079995	0.02722099	0.00018189	1	NA	0				
LITCc11std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape			
		NotS	0.12856236	0.28600219	0.06644567	0.30068187	0.99999956	0	0	0	0	0			
LITCc22std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
		NotS	8.99E-01	9.30E-01	8.72E-01	9.38E-01	1.00E+00	6.89E-06	9.09E-01	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	
LITCc12std															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape		
		NotS	1.17E-01	2.93E-01	5.92E-02	2.93E-01	1.00E+00	0.00E+00	0.00E+00	2.86E-14	0.00E+00	0.00E+00	0.00E+00		
LITCc21std															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
		NotS	0.3228735	0.5029695	0.2244236	0.5282227	0.9999996	0	0.8385245	0	0	0	0		
LITCs11nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1						
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.89E-15	0.00E+00						
LITCs22nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2				
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-14	1.00E+00	5.73E-10	3.52E-01				
LITCs12nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2					
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	2.99E-11	1.53E-12	3.30E-01					
LITCs21nor															
		NotS	NULL												
LITCe11nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1					
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	0.00E+00	2.51E-06					
LITCe22nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-11	1.52E-02	9.87E-01	1.13E-10	0.00E+00	5.37E-07	1.66E-12		
LITCe12nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1				
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-08	2.68E-02	0.00E+00	0.00E+00	0.00E+00				
LITCe21nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2			
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	5.90E-03	3.24E-02	0.00E+00	2.68E-13	3.54E-02			
LITCq11nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1					
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	2.33E-10	0.00E+00	4.05E-02					
LITCq22nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-06	1.00E+00	1.17E-08	1.35E-01	1.71E-01	6.10E-01		
LITCq12nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1				
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	4.80E-09	9.99E-14	3.80E-01	4.31E-02				
LITCq21nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2			
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	1.35E-03	1.00E+00	0.00E+00	7.54E-01	6.85E-01			
LITCi11nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1						
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.22E-16	NA						
LITCi22nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2				
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-16	1.00E+00	1.67E-11	NA				
LITCi12nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2					
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-07	3.77E-12	2.28E-12	NA					
LITCi21nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1					
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-06	3.18E-05	1.00E+00	NA					
LITCc11nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21				
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-10	0.00E+00	0.00E+00	0.00E+00	2.22E-16				
LITCc22nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21		
		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	3.22E-01	2.29E-05	1.98E-04	0.00E+00	0.00E+00	2.68E-06		
LITCc12nor															
			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21			
		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-13			
LITCc21nor															
			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21			
		NotS	0	0	0	0	0	0.04189741	0.00083501	0.39370319	0	0			
GREXs11qed															
			ar1	ar2	omega	alpha1	beta1	shape							
		NotS	4.17E-08	3.10E-03	9.76E-01	8.90E-02	0.00E+00	0.00E+00							
GREXs22qed															
			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape					
		NotS	0.00E+00	3.40E-05	9.39E-01	1.94E-01	3.79E-01	0.00E+00	0.00E+00	0.00E+00					
GREXs12qed															
			ar1	ar2	omega	alpha1	beta1	beta2	shape						
		NotS	0.00E+00	1.85E-10	9.13E-01	2.70E-10	0.00E+00	0.00E+00	0.00E+00						
GREXs21qed															
			ar1	ar2	omega	alpha1	alpha2	beta1	shape						
		NotS	0	0.1177298	0.9692391	0.364528	0.7832701	0	0						
GREXe11qed															
			ar1	ar2	omega	alpha1	beta1	gamma1	shape						
		S	0.00E+00	0.00E+00	0.00E+00	8.40E-03	4.29E-05	0.00E+00	0.00E+00						
GREXe22qed															
			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
		NotS	0.00E+00	0.00E+00	0.00E+00	7.22E-02	8.64E-01	0.00E+00	0.00E+00	0.00E+00	5.35E-07	0.00E+00			
GREXe12qed															
			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape					
		S	0	0	0	0.00984533	0	0	0	0					
GREXe21qed															
			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
		S	0	0	0	0.0087367	0.00916123	0	0	0	0				
GREXq11qed															
			ar1	ar2	omega	alpha1	beta1	gamma1	shape						
		NotS	0.00E+00	2.87E-05	9.83E-01	7.04E-02	0.00E+00	6.05E-04	0.00E+00						
GREXq22qed															
			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
		NotS	0.00E+00	1.46E-07	9.59E-01	1.41E-01	5.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
GREXq12qed															
			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape					
		NotS	3.85E-11	2.36E-02	9.57E-01	6.90E-06	0.00E+00	0.00E+00	9.20E-01	0.00E+00					
GREXq21qed															
			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
		NotS	0.00E+00	3.63E-05	9.65E-01	5.01E-01	6.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
GREXi11qed															
			ar1	ar2	omega	alpha1	beta1	shape							

2184		NotS	0.00E+00	6.30E-05	9.68E-01	2.22E-16	NA	0.00E+00				
2185	GREXi22ged											
2186			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape		
2187		NotS	0	0.1469501	0.9864881	0.6234357	0.7104525	0.7672272	NA	0		
2188	GREXi12ged											
2189			ar1	ar2	omega	alpha1	beta1	beta2	shape			
2190		NotS	0.00E+00	5.50E-06	9.80E-01	0.00E+00	2.39E-01	NA	0.00E+00			
2191	GREXi21ged											
2192			ar1	ar2	omega	alpha1	alpha2	beta1	shape			
2193		NotS	0	0	0.9645259	0.3381653	0.4868187	NA	0			
2194	GREXc11ged											
2195			ar1	ar2	omega	alpha1	beta1	eta11	eta21	shape		
2196		NotS	0.00E+00	1.52E-02	9.70E-01	0.00E+00	2.00E-12	0.00E+00	5.53E-06	0.00E+00		
2197	GREXc22ged											
2198			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
2199		NotS	0.00E+00	2.98E-05	9.79E-01	4.75E-01	3.51E-01	1.32E-01	1.13E-01	0.00E+00	4.71E-12	0.00E+00
2200	GREXc12ged											
2201			ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
2202		NotS	0	0	0.9725203	0.06404133	0.05003471	0.09163143	0	0	0	
2203	GREXc21ged											
2204			ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
2205		NotS	1.77E-06	3.73E-10	9.70E-01	1.25E-01	6.57E-01	1.26E-05	0.00E+00	0.00E+00	0.00E+00	
2206	GREXs11std											
2207			ar1	ar2	omega	alpha1	beta1	shape				
2208		NotS	0.09743833	0.23716262	0.96982392	0.2296362	0	0				
2209	GREXs22std											
2210			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape		
2211		NotS	0.05305657	0.6302205	0.98623682	0.68784666	0.89169353	0	0	0.00273722		
2212	GREXs12std											
2213			ar1	ar2	omega	alpha1	beta1	beta2	shape			
2214		NotS	0.04968062	0.37356503	0.93773077	0	0	0	0			
2215	GREXs21std											
2216			ar1	ar2	omega	alpha1	alpha2	beta1	shape			
2217		NotS	0.15478075	0.07855493	0.95332626	0.69792327	0.87601608	0	0			
2218	GREXe11std											
2219			ar1	ar2	omega	alpha1	beta1	gamma1	shape			
2220		NotS	1.99E-04	2.21E-01	0.00E+00	1.69E-02	2.90E-03	3.03E-05	0.00E+00			
2221	GREXe22std											
2222			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
2223		NotS	2.88E-12	5.27E-03	0.00E+00	3.31E-02	2.36E-01	0.00E+00	0.00E+00	0.00E+00	3.36E-09	0.00E+00
2224	GREXe12std											
2225			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape		
2226		NotS	7.95E-06	8.83E-02	0.00E+00	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
2227	GREXe21std											
2228			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
2229		NotS	7.66E-05	2.58E-01	0.00E+00	2.31E-03	5.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2230	GREXg11std											
2231			ar1	ar2	omega	alpha1	beta1	gamma1	shape			
2232		NotS	0.04106488	0.42120873	0.92761559	0.20208655	0	0.73398415	0			
2233	GREXg22std											
2234			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
2235		NotS	0.03533379	0.78046937	0.775749	0.74594763	0.77747098	0	0	0	0	0
2236	GREXg12std											
2237			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape		
2238		NotS	0.03387113	0.49295653	0.95767226	0.03284158	0	0	0.66605905	0		
2239	GREXg21std											
2240			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
2241		NotS	4.01E-04	4.15E-01	9.18E-01	2.49E-06	2.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2242	GREXi11std											
2243			ar1	ar2	omega	alpha1	beta1	shape				
2244		NotS	1.42E-01	7.84E-01	9.30E-01	1.15E-07	NA	0.00E+00				
2245	GREXi22std											
2246			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape		
2247		NotS	0.1943627	0.7305697	0.9949209	0.922132	0.9431059	0.949134	NA	0		
2248	GREXi12std											
2249			ar1	ar2	omega	alpha1	beta1	beta2	shape			
2250		NotS	8.95E-02	3.78E-01	9.78E-01	2.39E-07	4.45E-01	NA	0.00E+00			
2251	GREXi21std											
2252			ar1	ar2	omega	alpha1	alpha2	beta1	shape			
2253		NotS	0.1839655	0.4311511	0.9113352	0.4794016	0.613153	NA	0			
2254	GREXc11std											
2255			ar1	ar2	omega	alpha1	beta1	eta11	eta21	shape		
2256		NotS	2.65E-01	4.44E-01	9.62E-01	9.62E-04	3.03E-08	0.00E+00	0.00E+00	0.00E+00		
2257	GREXc22std											
2258			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
2259		NotS	0.03050145	0.68599221	0.95465761	0	0.4805449	0.19526129	0.15013711	0	0	0
2260	GREXc12std											
2261			ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
2262		NotS	1.50E-03	8.29E-01	5.25E-01	5.13E-02	1.23E-01	2.96E-01	0.00E+00	2.18E-07	0.00E+00	
2263	GREXc21std											
2264			ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
2265		NotS	3.12E-01	4.39E-01	9.15E-01	9.26E-02	4.40E-01	1.33E-07	0.00E+00	1.44E-03	0.00E+00	
2266	GREXs11nor											
2267			ar1	ar2	omega	alpha1	beta1					
2268		NotS	0.8653758	0.01293449	0.88026019	1.2401E-05	0					
2269	GREXs22nor											
2270			ar1	ar2	omega	alpha1	alpha2	beta1	beta2			
2271		NotS	9.47E-01	3.83E-02	9.54E-01	2.02E-02	1.06E-12	0.00E+00	0.00E+00			
2272	GREXs12nor											
2273			ar1	ar2	omega	alpha1	beta1	beta2				
2274		NotS	0.23554609	0.00866986	0.9602029	0.14180759	0	0				
2275	GREXs21nor											
2276			ar1	ar2	omega	alpha1	alpha2	beta1				
2277		NotS	0.5173146	0.236628	0.9328831	0.0677073	0.7762557	0				
2278	GREXe11nor											
2279			ar1	ar2	omega	alpha1	beta1	gamma1				
2280		NotS	5.51E-01	2.04E-01	0.00E+00	9.42E-03	2.85E-12	0.00E+00				
2281	GREXe22nor											
2282			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
2283		NotS	3.24E-01	1.57E-02	0.00E+00	1.87E-03	4.20E-05	0.00E+00	0.00E+00	0.00E+00	4.10E-12	
2284	GREXe12nor											
2285			ar1	ar2	omega	alpha1	beta1	beta2	gamma1			
2286		NotS	0.7397953	0.2086283	0	0.1484312	0	0	0			
2287	GREXe21nor											
2288			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
2289		NotS	4.34E-01	7.11E-02	0.00E+00	9.98E-04	8.24E-06	0.00E+00	0.00E+00	2.39E-13		
2290	GREXg11nor											
2291			ar1	ar2	omega	alpha1	beta1	gamma1				
2292		NotS	0.91919234	0.0637949	0.94445342	0.00332671	0	0.01333978				
2293	GREXg22nor											
2294			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
2295		NotS	3.37E-01	1.04E-08	9.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2296	GREXg12nor											
2297			ar1	ar2	omega	alpha1	beta1	beta2	gamma1			
2298		NotS	0.92521392	0.02892564	0.95018665	0.00010232	0	0	0.03032164			
2299	GREXg21nor											
2300			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
2301		NotS	0.71940428	0.05613122	0.91787393	0.45238777	0.62922158	0	0	0		
2302	GREXi11nor											
2303			ar1	ar2	omega	alpha1	beta1					
2304		NotS	0.72844757	0.05053812	0.99076101	0.02789267	NA					
2305	GREXi22nor											
2306			ar1	ar2	omega	alpha1	alpha2	beta1	beta2			
2307		NotS	7.54E-01	5.66E-02	9.83E-01	6.77E-02	7.83E-05	2.87E-02	NA			
2308	GREXi12nor											
2309			ar1	ar2	omega	alpha1	beta1	beta2				
2310		NotS	0.73785618	0.06466017	0.98269128	0.00013037	0.00050216	NA				
2311	GREXi21nor											
2312			ar1	ar2	omega	alpha1	alpha2	beta1				
2313		NotS	0.67161984	0.03476209	0.98794179	0.13430593	0.26243005	NA				
2314	GREXc11nor											
2315			ar1	ar2	omega	alpha1	beta1	eta11	eta21			
2316		NotS	5.39E-01	1.32E-02	9.64E-01	4.07E-04	2.17E-09	0.00E+00	0.00E+00			
2317	GREXc22nor											
2318			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	
2319		NotS	0.40338907	0.06242625	0.9184731	0.00271898	0.00030597	0.01281297	0.00066068	0	0.0039539	
2320	GREXc12nor											
2321			ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21		
2322		NotS	0.17450522	0.09008117	0.96593392	0.02499004	0.01081867	0.05093216	0	0.00038757		
2323	GREXc21nor											
2324			ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21		
2325		NotS	4.66E-01	7.06E-02	9.21E-01	7.91E-02	7.77E-05	1.36E-09	0.00E+00	1.10E-02		
2326	DAXPs11ged											
2327			omega	alpha1	beta1	shape						
2328		S	0	0	0	0	0					
2329	DAXPs22ged											
2330			omega	alpha1	alpha2	beta1	beta2	shape				
2331		NotS	2.30E-12	0.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00				
2332	DAXPs12ged											
2333			omega	alpha1	beta1	beta2	shape					
2334		NotS	0	0	0.9999601	0.9999996	0					
2335	DAXPs21ged											
2336			omega	alpha1	alpha2	beta1	shape					
2337		NotS	0	0.01088667	0.99999998	0	0					
2338	DAXPe11ged											
2339			omega	alpha1	beta1	gamma1	shape					
2340		NotS	0.00E+00	5.08E-01	2.66E-05	0.00E+00	0.00E+00					
2341	DAXPe22ged											
2342			omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
2343		NotS	0.00E+00	5.17E-01	9.69E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-09	0.00E+00		
2344	DAXPe12ged											
2345			omega	alpha1	beta1	beta2	gamma1	shape				
2346		NotS	0	0.205184	0	0	0	0				
2347	DAXPe21ged											
2348			omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
2349		NotS	0	0.3321572	0.1810089	0	0	0	0			
2350	DAXPg11ged											
2351			omega	alpha1	beta1	gamma1	shape					

2352 NotS 0.00E+00 3.47E-05 0.00E+00 2.59E-01 0.00E+00
2353 DAXPg22ged
2354 omega alpha1 alpha2 beta1 beta2 gamma1 gamma2 shape
2355 NotS 0.864466 0 0 0 0 0 0 0
2356 DAXPg12ged
2357 omega alpha1 beta1 beta2 gamma1 shape
2358 NotS 0.00E+00 5.35E-07 1.00E+00 1.00E+00 1.94E-01 0.00E+00
2359 DAXPg21ged
2360 omega alpha1 alpha2 beta1 gamma1 gamma2 shape
2361 NotS 7.99E-01 0.00E+00 2.22E-16 0.00E+00 0.00E+00 0.00E+00 0.00E+00
2362 DAXPi11ged
2363 omega alpha1 beta1 shape
2364 NotS 0.404173 0 NA 0
2365 DAXPi22ged
2366 omega alpha1 alpha2 beta1 beta2 shape
2367 NotS 0.00285224 0.04180675 0.99999848 0.21264289 NA 0
2368 DAXPi12ged
2369 omega alpha1 beta1 beta2 shape
2370 NotS 2.54E-01 6.77E-13 8.81E-02 NA 0.00E+00
2371 DAXPi21ged
2372 omega alpha1 alpha2 beta1 shape
2373 NotS 0.36673517 0.04654273 0.99950031 NA 0
2374 DAXPc11ged
2375 omega alpha1 beta1 eta11 eta21 shape
2376 NotS 7.50E-01 5.92E-10 6.74E-01 0.00E+00 4.67E-08 0.00E+00
2377 DAXPc22ged
2378 omega alpha1 alpha2 beta1 beta2 eta11 eta21 shape
2379 NotS 0.9340033 0 0.9544682 0.809135 0.9434302 0 0 0
2380 DAXPc12ged
2381 omega alpha1 beta1 beta2 eta11 eta21 shape
2382 NotS 8.82E-01 0.00E+00 1.31E-02 9.58E-01 0.00E+00 1.33E-05 0.00E+00
2383 DAXPc21ged
2384 omega alpha1 alpha2 beta1 eta11 eta21 shape
2385 NotS 6.22E-01 1.67E-11 1.00E+00 9.19E-01 0.00E+00 1.31E-06 0.00E+00
2386 DAXPs11std
2387 omega alpha1 beta1 shape
2388 0 S 0 0 0
2389 DAXPs22std
2390 omega alpha1 alpha2 beta1 beta2 shape
2391 NotS 0.00E+00 1.19E-11 1.00E+00 1.00E+00 1.00E+00 0.00E+00
2392 DAXPs12std
2393 omega alpha1 beta1 beta2 shape
2394 NotS 3.50E-13 1.33E-08 1.00E+00 1.00E+00 0.00E+00
2395 DAXPs21std
2396 omega alpha1 alpha2 beta1 shape
2397 NotS 0 0.05834758 1 0 0
2398 DAXPe11std
2399 omega alpha1 beta1 gamma1 shape
2400 NotS 0.00E+00 6.69E-01 1.02E-05 2.42E-12 0.00E+00
2401 DAXPe22std
2402 omega alpha1 alpha2 beta1 beta2 gamma1 gamma2 shape
2403 NotS 5.61E-05 4.29E-01 2.94E-01 0.00E+00 6.48E-05 0.00E+00 0.00E+00 0.00E+00
2404 DAXPe12std
2405 omega alpha1 beta1 beta2 gamma1 shape
2406 NotS 0.00E+00 4.88E-01 0.00E+00 0.00E+00 9.29E-05 0.00E+00
2407 DAXPe21std
2408 omega alpha1 alpha2 beta1 gamma1 gamma2 shape
2409 NotS 0 0.4257635 0.2876661 0 0 0 0
2410 DAXPg11std
2411 omega alpha1 beta1 gamma1 shape
2412 NotS 0.00E+00 2.03E-05 0.00E+00 5.32E-01 0.00E+00
2413 DAXPg22std
2414 omega alpha1 alpha2 beta1 beta2 gamma1 gamma2 shape
2415 NotS 0.4615347 0 0.7867603 0 0 0 0 0
2416 DAXPg12std
2417 omega alpha1 beta1 beta2 gamma1 shape
2418 NotS 5.23E-13 4.61E-06 1.00E+00 1.00E+00 2.61E-01 0.00E+00
2419 DAXPg21std
2420 omega alpha1 alpha2 beta1 gamma1 gamma2 shape
2421 NotS 6.00E-05 2.59E-05 1.00E+00 7.56E-01 3.05E-01 0.00E+00 0.00E+00
2422 DAXPi11std
2423 omega alpha1 beta1 shape
2424 NotS 2.42E-02 5.94E-08 NA 0.00E+00
2425 DAXPi22std
2426 omega alpha1 alpha2 beta1 beta2 shape
2427 NotS 0 0 0.9999969 0 NA 0
2428 DAXPi12std
2429 omega alpha1 beta1 beta2 shape
2430 0 NotS 0 0 NA 0
2431 DAXPi21std
2432 omega alpha1 alpha2 beta1 shape
2433 NotS 0.07485465 0.11781775 1 NA 0
2434 DAXPc11std
2435 omega alpha1 beta1 eta11 eta21 shape
2436 NotS 0 0 0.9677972 0 0.1045687 0
2437 DAXPc22std
2438 omega alpha1 alpha2 beta1 beta2 eta11 eta21 shape
2439 NotS 0.01426408 0 0.99999985 0.95018777 1 0 0 0
2440 DAXPc12std
2441 omega alpha1 beta1 beta2 eta11 eta21 shape
2442 NotS 0 0 0.9993155 0.9999101 0 0.9888166 0
2443 DAXPc21std
2444 omega alpha1 alpha2 beta1 eta11 eta21 shape
2445 NotS 0 0 0.9998708 0.9996887 0 0.010382 0
2446 DAXPs11nor
2447 NotS NULL
2448 DAXPs22nor
2449 omega alpha1 alpha2 beta1 beta2
2450 NotS 0.00E+00 3.90E-05 1.00E+00 9.97E-02 3.27E-04
2451 DAXPs12nor
2452 omega alpha1 beta1 beta2
2453 S 0.00E+00 0.00E+00 4.16E-02 7.09E-06
2454 DAXPs21nor
2455 omega alpha1 alpha2 beta1
2456 NotS 0.00E+00 2.79E-05 1.00E+00 0.00E+00
2457 DAXPe11nor
2458 omega alpha1 beta1 gamma1
2459 S 1.63E-09 1.21E-02 0.00E+00 0.00E+00
2460 DAXPe22nor
2461 omega alpha1 alpha2 beta1 beta2 gamma1 gamma2
2462 NotS 2.55E-07 7.93E-02 1.26E-02 0.00E+00 1.39E-10 0.00E+00 0.00E+00
2463 DAXPe12nor
2464 omega alpha1 beta1 beta2 gamma1
2465 NotS 5.83E-04 5.05E-02 0.00E+00 0.00E+00 1.59E-11
2466 DAXPe21nor
2467 omega alpha1 alpha2 beta1 gamma1 gamma2
2468 NotS 0 0.09465007 0.01805286 0 0 0
2469 DAXPg11nor
2470 omega alpha1 beta1 gamma1
2471 S 0.00E+00 3.55E-11 0.00E+00 1.81E-02
2472 DAXPg22nor
2473 omega alpha1 alpha2 beta1 beta2 gamma1 gamma2
2474 NotS 0.8225132 0 0 0 0 0 0
2475 DAXPg12nor
2476 NotS NULL
2477 DAXPg21nor
2478 omega alpha1 alpha2 beta1 gamma1 gamma2
2479 NotS 0.8019411 0 0 0 0 0
2480 DAXPi11nor
2481 omega alpha1 beta1
2482 NotS 6.16E-01 2.56E-12 NA
2483 DAXPi22nor
2484 omega alpha1 alpha2 beta1 beta2
2485 NotS 0.10840552 0.00158249 0.99997491 0.02800926 NA
2486 DAXPi12nor
2487 omega alpha1 beta1 beta2
2488 NotS 4.29E-01 1.65E-13 1.26E-02 NA
2489 DAXPi21nor
2490 omega alpha1 alpha2 beta1
2491 NotS 0.5615329 0.00192722 0.99999991 NA
2492 DAXPc11nor
2493 omega alpha1 beta1 eta11 eta21
2494 NotS 0.7726442 0 0.1580324 0 0
2495 DAXPc22nor
2496 omega alpha1 alpha2 beta1 beta2 eta11 eta21
2497 NotS 8.16E-01 3.40E-14 9.49E-01 6.84E-01 6.45E-01 0.00E+00 7.85E-04
2498 DAXPc12nor
2499 omega alpha1 beta1 beta2 eta11 eta21
2500 NotS 9.44E-01 3.00E-06 3.81E-02 1.47E-02 0.00E+00 7.08E-13
2501 DAXPc21nor
2502 omega alpha1 alpha2 beta1 eta11 eta21
2503 NotS 8.91E-01 1.72E-13 8.97E-01 5.59E-01 0.00E+00 0.00E+00
2504 DJSls11ged
2505 ma1 omega alpha1 beta1 shape
2506 NotS 0 0.115879 0 0 0
2507 DJSls22ged
2508 ma1 omega alpha1 alpha2 beta1 beta2 shape
2509 NotS 0 0.1935343 0.150796 0.9999663 0 0 0
2510 DJSls12ged
2511 ma1 omega alpha1 beta1 beta2 shape
2512 NotS 0.00E+00 1.92E-01 2.11E-05 0.00E+00 0.00E+00 0.00E+00
2513 DJSls21ged
2514 ma1 omega alpha1 alpha2 beta1 shape
2515 NotS 0 0.1378309 0.4630783 0.9999771 0 0
2516 DJSle11ged
2517 ma1 omega alpha1 beta1 gamma1 shape
2518 NotS 0 0 0.8485381 0 0 0
2519 DJSle22ged

		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	0.00E+00	0.00E+00	4.37E-01	4.60E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-11	0.00E+00	
DJSie12ged											
		ma1	omega	alpha1	beta1	beta2	gamma1	shape			
	NotS	0.00E+00	8.62E-14	4.50E-01	0.00E+00	0.00E+00	1.04E-03	0.00E+00			
DJSie21ged											
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	0.00E+00	0.00E+00	3.16E-01	5.97E-01	0.00E+00	1.04E-12	1.31E-10	0.00E+00		
DJSig11ged											
		ma1	omega	alpha1	beta1	gamma1	shape				
	NotS	1.26E-08	4.10E-01	1.68E-03	0.00E+00	8.14E-02	0.00E+00				
DJSig22ged											
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	0	0.1705985	0.2490316	0.9999996	0	0	0	0	0	
DJSig12ged											
		ma1	omega	alpha1	beta1	beta2	gamma1	shape			
	S	0	0.03825857	0.00123389	0	0	0.04695646	0			
DJSig21ged											
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	0	0.2734625	0.3648967	0.9998288	0	0	0	0		
DJSii11ged											
		ma1	omega	alpha1	beta1	shape					
	NotS	0	0.6156339	0	NA	0					
DJSii22ged											
		ma1	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	0	0.04481351	0.32383937	0.99998539	0.52622194	NA	0			
DJSii12ged											
		ma1	omega	alpha1	beta1	beta2	shape				
	NotS	0	0.445133	0	0.3211347	NA	0				
DJSii21ged											
		ma1	omega	alpha1	alpha2	beta1	shape				
	NotS	0	0.6820974	0.4288187	0.999774	NA	0				
DJSic11ged											
		ma1	omega	alpha1	beta1	eta11	eta21	shape			
	NotS	0.00E+00	5.49E-01	7.89E-08	6.38E-01	0.00E+00	0.00E+00	0.00E+00			
DJSic22ged											
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
	NotS	0.00E+00	7.17E-02	2.46E-12	1.00E+00	7.66E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	
DJSic12ged											
		ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape		
	NotS	0.00E+00	1.50E-01	1.60E-09	6.90E-01	9.98E-01	0.00E+00	0.00E+00	0.00E+00		
DJSic21ged											
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
	NotS	0.00E+00	1.37E-02	1.18E-12	1.00E+00	8.99E-01	0.00E+00	3.68E-09	0.00E+00		
DJSis11std											
		ma1	omega	alpha1	beta1	shape					
	S	0.00015652	0	0	0	0					
DJSis22std											
		ma1	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	0.00018552	0	0.07891534	0.99999997	0	0	0			
DJSis12std											
	NotS	NULL									
DJSis21std											
		ma1	omega	alpha1	alpha2	beta1	shape				
	NotS	0.00020783	0	0.29801617	0.9999996	0	0				
DJSie11std											
		ma1	omega	alpha1	beta1	gamma1	shape				
	NotS	0.00019175	0	0.39807932	0	0	0				
DJSie22std											
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	8.10E-11	0.00E+00	7.33E-01	6.33E-01	0.00E+00	0.00E+00	1.71E-12	1.39E-08	0.00E+00	
DJSie12std											
		ma1	omega	alpha1	beta1	beta2	gamma1	shape			
	NotS	1.97E-07	0.00E+00	2.10E-01	0.00E+00	0.00E+00	1.15E-04	0.00E+00			
DJSie21std											
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	1.65E-06	1.62E-04	1.95E-01	7.80E-01	3.36E-07	5.52E-05	1.15E-04	0.00E+00		
DJSig11std											
		ma1	omega	alpha1	beta1	gamma1	shape				
	S	0.0001625	0	0.00015484	0	0.04001486	0				
DJSig22std											
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	2.82E-06	0.00E+00	5.47E-01	1.00E+00	0.00E+00	9.36E-01	0.00E+00	0.00E+00	0.00E+00	
DJSig12std											
		ma1	omega	alpha1	beta1	beta2	gamma1	shape			
	NotS	2.56E-04	0.00E+00	5.46E-05	3.36E-12	0.00E+00	5.33E-02	0.00E+00			
DJSig21std											
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	2.36E-06	0.00E+00	3.30E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
DJSii11std											
		ma1	omega	alpha1	beta1	shape					
	NotS	0.00015426	0.00243963	0	NA	0					
DJSii22std											
		ma1	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	0.00021464	0	0.24840978	1	0.30426237	NA	0			
DJSii12std											
		ma1	omega	alpha1	beta1	beta2	shape				
	NotS	0.00014891	0	0	0.09087281	NA	0				
DJSii21std											
		ma1	omega	alpha1	alpha2	beta1	shape				
	NotS	0.00018323	0.00107836	0.03008706	1	NA	0				
DJSic11std											
		ma1	omega	alpha1	beta1	eta11	eta21	shape			
	S	3.40E-07	0.00E+00	0.00E+00	1.00E-02	0.00E+00	3.87E-08	0.00E+00			
DJSic22std											
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
	NotS	2.34E-07	0.00E+00	0.00E+00	1.00E+00	6.82E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	
DJSic12std											
		ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape		
	NotS	2.44E-07	0.00E+00	0.00E+00	6.54E-02	1.00E+00	0.00E+00	0.00E+00	0.00E+00		
DJSic21std											
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
	NotS	3.20E-07	0.00E+00	0.00E+00	1.00E+00	6.23E-01	0.00E+00	0.00E+00	0.00E+00		
DJSis11nor											
		ma1	omega	alpha1	beta1						
	NotS	0.5709322	0.3086298	0	0						
DJSis22nor											
		ma1	omega	alpha1	alpha2	beta1	beta2				
	NotS	0.66021208	0.05704406	0.14270906	0.99998371	0	0				
DJSis12nor											
		ma1	omega	alpha1	beta1	beta2					
	NotS	0.73036392	0.04613803	0	0	0					
DJSis21nor											
		ma1	omega	alpha1	alpha2	beta1					
	NotS	0.6355541	0.2981843	0.4063082	0.9951545	0					
DJSie11nor											
		ma1	omega	alpha1	beta1	gamma1					
	NotS	7.87E-01	0.00E+00	5.57E-10	0.00E+00	2.22E-16					
DJSie22nor											
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
	NotS	2.23E-01	3.97E-04	3.87E-05	5.80E-02	0.00E+00	1.33E-15	4.24E-11	8.94E-08		
DJSie12nor											
		ma1	omega	alpha1	beta1	beta2	gamma1				
	NotS	5.54E-01	0.00E+00	4.28E-09	0.00E+00	0.00E+00	4.01E-06				
DJSie21nor											
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2			
	NotS	4.39E-01	0.00E+00	0.00E+00	1.48E-04	0.00E+00	7.69E-11	7.63E-09			
DJSig11nor											
		ma1	omega	alpha1	beta1	gamma1					
	NotS	7.07E-01	2.93E-01	3.54E-08	0.00E+00	1.31E-02					
DJSig22nor											
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
	NotS	9.26E-01	9.09E-09	2.46E-05	9.47E-01	0.00E+00	0.00E+00	7.37E-01	1.49E-03		
DJSig12nor											
		ma1	omega	alpha1	beta1	beta2	gamma1				
	NotS	6.79E-01	1.07E-02	7.39E-13	0.00E+00	0.00E+00	9.21E-03				
DJSig21nor											
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2			
	NotS	0	0.4434895	0	0	0	0	0			
DJSii11nor											
		ma1	omega	alpha1	beta1						
	NotS	5.38E-01	9.46E-01	2.22E-16	NA						
DJSii22nor											
		ma1	omega	alpha1	alpha2	beta1	beta2				
	NotS	0.5886325	0.8774377	0.1500061	0.9986271	0.3273093	NA				
DJSii12nor											
		ma1	omega	alpha1	beta1	beta2					
	NotS	0.5990485	0.8904112	0	0.2652472	NA					
DJSii21nor											
		ma1	omega	alpha1	alpha2	beta1					
	NotS	0.5324718	0.9921469	0.4233535	0.9976823	NA					
DJSic11nor											
		ma1	omega	alpha1	beta1	eta11	eta21				
	NotS	0.58371027	0.82066098	0.0016607	0.80234512	0	0				
DJSic22nor											
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21		
	NotS	7.10E-01	7.70E-01	8.06E-06	9.82E-01	8.00E-01	0.00E+00	0.00E+00	5.53E-14		
DJSic12nor											
		ma1	omega	alpha1	beta1	beta2	eta11	eta21			
	NotS	0.59473353	0.79299365	0.00030736	0.70341668	0.39786777	0	0			
DJSic21nor											
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21			
	NotS	4.70E-01	2.95E-01	1.70E-06	9.89E-01	9.13E-01	0.00E+00	9.03E-09			
DJSUs11ged											
		ma1	omega	alpha1	beta1	shape					
	NotS	0	0.096685	0	0	0					
DJSUs22ged											
		ma1	omega	alpha1	alpha2	beta1	beta2	shape			

2688		NotS	0	0.2554811	0.1074954	0.9996286	0	0	0			
2689	DJSUs12ged											
2690		NotS	NULL									
2691	DJSUs21ged											
2692			ma1	omega	alpha1	alpha2	beta1	shape				
2693		NotS	0	0.1184748	0.5699566	0.9999857	0	0				
2694	DJSUe11ged											
2695			ma1	omega	alpha1	beta1	gamma1	shape				
2696		NotS	0	0	0.7230527	0	0	0				
2697	DJSUe22ged											
2698			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
2699		NotS	0.00E+00	0.00E+00	1.91E-01	2.00E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-14	0.00E+00	
2700	DJSUe12ged											
2701			ma1	omega	alpha1	beta1	beta2	gamma1	shape			
2702		NotS	0.00E+00	9.61E-10	4.52E-01	0.00E+00	0.00E+00	1.34E-03	0.00E+00			
2703	DJSUe21ged											
2704			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
2705		NotS	0.00E+00	1.16E-04	6.24E-01	8.29E-01	6.11E-12	3.08E-10	1.98E-14	0.00E+00		
2706	DJSUg11ged											
2707			ma1	omega	alpha1	beta1	gamma1	shape				
2708		NotS	0	0.10029515	0.00388465	0	0.95619867	0				
2709	DJSUg22ged											
2710			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
2711		NotS	3.55E-15	1.12E-01	6.07E-01	1.00E+00	0.00E+00	0.00E+00	3.90E-05	2.66E-05	0.00E+00	
2712	DJSUg12ged											
2713		NotS	NULL									
2714	DJSUg21ged											
2715			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
2716		NotS	0.00E+00	1.04E-01	6.24E-01	1.00E+00	0.00E+00	7.68E-05	5.44E-05	0.00E+00		
2717	DJSUi11ged											
2718			ma1	omega	alpha1	beta1	shape					
2719		NotS	0	0.2248326	0	NA	0					
2720	DJSUi22ged											
2721			ma1	omega	alpha1	alpha2	beta1	beta2	shape			
2722		NotS	0	0.00120052	0.33443488	0.98930074	0.65819741	NA	0			
2723	DJSUi12ged											
2724			ma1	omega	alpha1	beta1	beta2	shape				
2725		NotS	0.00E+00	1.33E-01	3.77E-15	4.44E-01	NA	0.00E+00				
2726	DJSUi21ged											
2727			ma1	omega	alpha1	alpha2	beta1	shape				
2728		NotS	0	0.2104214	0.5323132	0.9791083	NA	0				
2729	DJSUc11ged											
2730			ma1	omega	alpha1	beta1	eta11	eta21	shape			
2731		NotS	0.00E+00	9.82E-01	8.62E-05	7.24E-01	0.00E+00	0.00E+00	0.00E+00			
2732	DJSUc22ged											
2733			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
2734		NotS	0.00E+00	7.86E-01	2.82E-11	9.78E-01	7.18E-01	7.83E-01	0.00E+00	0.00E+00	0.00E+00	
2735	DJSUc12ged											
2736			ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape		
2737		NotS	0	0.50599662	0.00010655	0.60400174	0.5378092	0	0	0		
2738	DJSUc21ged											
2739			ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
2740		NotS	0.0001041	0.95827868	0.00045301	0.97607729	0.79606925	0	0	0		
2741	DJSUs11std											
2742			ma1	omega	alpha1	beta1	shape					
2743		S	2.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00					
2744	DJSUs22std											
2745			ma1	omega	alpha1	alpha2	beta1	beta2	shape			
2746		NotS	1.72E-10	0.00E+00	9.71E-01	1.00E+00	0.00E+00	9.80E-01	0.00E+00			
2747	DJSUs12std											
2748			ma1	omega	alpha1	beta1	beta2	shape				
2749		NotS	2.56E-11	0.00E+00	0.00E+00	0.00E+00	9.78E-01	0.00E+00				
2750	DJSUs21std											
2751			ma1	omega	alpha1	alpha2	beta1	shape				
2752		NotS	1.75E-10	0.00E+00	9.71E-01	1.00E+00	0.00E+00	0.00E+00				
2753	DJSUe11std											
2754			ma1	omega	alpha1	beta1	gamma1	shape				
2755		NotS	1.89E-11	0.00E+00	7.16E-01	0.00E+00	0.00E+00	0.00E+00				
2756	DJSUe22std											
2757			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
2758		S	0	0	0	0	0	0	0	0	0	0
2759	DJSUe12std											
2760			ma1	omega	alpha1	beta1	beta2	gamma1	shape			
2761		NotS	1.18E-11	6.46E-02	5.35E-01	1.04E-06	0.00E+00	0.00E+00	0.00E+00			
2762	DJSUe21std											
2763			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
2764		S	0	0	0	0	0	0	0	0	0	
2765	DJSUg11std											
2766			ma1	omega	alpha1	beta1	gamma1	shape				
2767		NotS	1.70E-11	0.00E+00	1.26E-01	0.00E+00	1.76E-02	0.00E+00				
2768	DJSUg22std											
2769			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
2770		S	2.87E-12	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2771	DJSUg12std											
2772			ma1	omega	alpha1	beta1	beta2	gamma1	shape			
2773		NotS	4.34E-11	0.00E+00	5.44E-02	0.00E+00	4.69E-01	0.00E+00	0.00E+00			
2774	DJSUg21std											
2775			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
2776		S	1.13E-12	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
2777	DJSUi11std											
2778			ma1	omega	alpha1	beta1	shape					
2779		NotS	2.48E-11	0.00E+00	0.00E+00	NA	0.00E+00					
2780	DJSUi22std											
2781			ma1	omega	alpha1	alpha2	beta1	beta2	shape			
2782		NotS	6.61E-11	0.00E+00	9.46E-01	1.00E+00	3.13E-04	NA	0.00E+00			
2783	DJSUi12std											
2784			ma1	omega	alpha1	beta1	beta2	shape				
2785		NotS	2.52E-11	0.00E+00	0.00E+00	2.73E-04	NA	0.00E+00				
2786	DJSUi21std											
2787			ma1	omega	alpha1	alpha2	beta1	shape				
2788		NotS	6.36E-11	0.00E+00	9.45E-01	1.00E+00	NA	0.00E+00				
2789	DJSUc11std											
2790			ma1	omega	alpha1	beta1	eta11	eta21	shape			
2791		NotS	1.49E-13	0.00E+00	0.00E+00	7.26E-01	0.00E+00	9.00E-01	0.00E+00			
2792	DJSUc22std											
2793			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
2794		NotS	4.42E-12	9.83E-01	0.00E+00	9.76E-01	7.29E-01	7.77E-01	0.00E+00	0.00E+00	0.00E+00	
2795	DJSUc12std											
2796			ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape		
2797		NotS	2.20E-13	0.00E+00	0.00E+00	9.99E-01	1.00E+00	0.00E+00	9.44E-01	0.00E+00		
2798	DJSUc21std											
2799			ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
2800		NotS	2.44E-13	0.00E+00	0.00E+00	1.00E+00	1.00E+00	0.00E+00	9.98E-01	0.00E+00		
2801	DJSUs11nor											
2802			ma1	omega	alpha1	beta1						
2803		NotS	0.00202705	0.10336175	0	0						
2804	DJSUs22nor											
2805			ma1	omega	alpha1	alpha2	beta1	beta2				
2806		NotS	0.00171802	0.01134908	0.05258086	0.99999623	0	0				
2807	DJSUs12nor											
2808			ma1	omega	alpha1	beta1	beta2					
2809		S	0.00157425	0.01171519	0	0	0					
2810	DJSUs21nor											
2811			ma1	omega	alpha1	alpha2	beta1					
2812		NotS	0.00160907	0.10612041	0.54064831	0.99164107	0					
2813	DJSUe11nor											
2814			ma1	omega	alpha1	beta1	gamma1					
2815		NotS	0.00118058	0	0.23464824	0	0					
2816	DJSUe22nor											
2817			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
2818		NotS	0.00442976	0.37450804	0.01313132	0.00503511	0	0	0	0		
2819	DJSUe12nor											
2820			ma1	omega	alpha1	beta1	beta2	gamma1				
2821		NotS	1.22E-03	3.02E-01	7.22E-01	0.00E+00	0.00E+00	1.59E-10				
2822	DJSUe21nor											
2823			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2			
2824		NotS	2.75E-03	2.91E-13	8.34E-02	3.35E-01	0.00E+00	4.44E-08	4.44E-16			
2825	DJSUg11nor											
2826			ma1	omega	alpha1	beta1	gamma1					
2827		NotS	1.77E-03	1.01E-01	3.34E-07	0.00E+00	9.43E-01					
2828	DJSUg22nor											
2829			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
2830		NotS	0.00122286	0.09844544	0.62381999	0.9996244	0	0	0.33575915	0.32013323		
2831	DJSUg12nor											
2832		NotS	NULL									
2833	DJSUg21nor											
2834			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2			
2835		NotS	0.00129152	0.09455366	0.66969034	0.99412357	0	0.31606943	0.30130014			
2836	DJSUi11nor											
2837			ma1	omega	alpha1	beta1						
2838		NotS	0.00169697	0.54190528	0	NA						
2839	DJSUi22nor											
2840			ma1	omega	alpha1	alpha2	beta1	beta2				
2841		NotS	0.00186019	0.32361501	0.06994731	0.99999249	0.39012231	NA				
2842	DJSUi12nor											
2843			ma1	omega	alpha1	beta1	beta2					
2844		NotS	0.00180285	0.3669761	0	0.31741978	NA					
2845	DJSUi21nor											
2846			ma1	omega	alpha1	alpha2	beta1					
2847		NotS	0.00199803	0.55802052	0.52948553	0.99999871	NA					
2848	DJSUc11nor											
2849			ma1	omega	alpha1	beta1	eta11	eta21				
2850		NotS	1.72E-03	8.12E-01	1.30E-02	2.91E-01	0.00E+00	4.37E-11				
2851	DJSUc22nor											
2852			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21		
2853		NotS	6.38E-03	7.11E-01	5.62E-01	8.67E-01	6.26E-01	4.36E-01	0.00E+00	4.71E-06		
2854	DJSUc12nor											
2855			ma1	omega	alpha1	beta1	beta2	eta11	eta21			

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DJWEi21nor

	ar1	omega	alpha1	alpha2	beta1					
NotS	2.73E-06	2.81E-01	1.49E-02	1.00E+00	NA					

DJWEc11nor

	ar1	omega	alpha1	beta1	eta11	eta21				
NotS	3.48E-09	0.00E+00	0.00E+00	6.90E-01	0.00E+00	0.00E+00				

DJWEc22nor

	ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21		
NotS	2.21E-07	0.00E+00	0.00E+00	1.00E+00	8.02E-01	1.00E+00	0.00E+00	5.30E-09		

DJWEc12nor

	ar1	omega	alpha1	beta1	beta2	eta11	eta21			
NotS	0.02684768	0	0.00095554	0.78170698	0.99999957	0	0			

DJWEc21nor

	ar1	omega	alpha1	alpha2	beta1	eta11	eta21			
NotS	7.59E-06	0.00E+00	6.55E-08	1.00E+00	8.44E-01	0.00E+00	0.00E+00			

DJZls11ged

	omega	alpha1	beta1	shape						
NotS	0.5380378	0	0	0						

DJZls22ged

	omega	alpha1	alpha2	beta1	beta2	shape				
NotS	0.5504368	0.04037144	0.99997298	0	0	0				

DJZls12ged

	omega	alpha1	beta1	beta2	shape					
NotS	5.73E-01	7.33E-07	0.00E+00	0.00E+00	0.00E+00					

DJZls21ged

	omega	alpha1	alpha2	beta1	shape					
NotS	0.5443042	0.4367318	0.9999996	0	0					

DJZle11ged

	omega	alpha1	beta1	gamma1	shape					
NotS	0	0.1163728	0	0	0					

DJZle22ged

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
NotS	0.3266987	0.4176506	0.5803733	0	0.3115596	0	0	0		

DJZle12ged

	omega	alpha1	beta1	beta2	gamma1	shape				
NotS	0.00E+00	1.53E-01	0.00E+00	0.00E+00	3.90E-06	0.00E+00				

DJZle21ged

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
NotS	0	0.4202351	0.5842575	0	0	0	0			

DJZlg11ged

	omega	alpha1	beta1	gamma1	shape					
NotS	0.55474457	0.12661207	0	0.06162092	0					

DJZlg22ged

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
NotS	0.5707191	0.8685039	0.9999983	0	0.996317	0	0	0		

DJZlg12ged

	omega	alpha1	beta1	beta2	gamma1	shape				
NotS	0.34976156	0.02279213	0	0	0.09834561	0				

DJZlg21ged

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
NotS	0.5610253	0.8292506	0.9999987	0	0	0	0			

DJZli11ged

	omega	alpha1	beta1	shape						
NotS	0.3341667	0	NA	0						

DJZli22ged

	omega	alpha1	alpha2	beta1	beta2	shape				
NotS	0.1543416	0.1497628	0.9999987	0.4959992	NA	0				

DJZli12ged

	omega	alpha1	beta1	beta2	shape					
NotS	2.21E-01	2.22E-16	3.53E-01	NA	0.00E+00					

DJZli21ged

	omega	alpha1	alpha2	beta1	shape					
NotS	0.3431492	0.4256806	0.9999994	NA	0					

DJZlc11ged

	omega	alpha1	beta1	eta11	eta21	shape				
NotS	0.94432133	0.00144406	0.6627811	0	0	0				

DJZlc22ged

	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape		
NotS	0.9213443	0	0.9670126	0.6659432	0.8343111	0	0	0		

DJZlc12ged

	omega	alpha1	beta1	beta2	eta11	eta21	shape			
NotS	9.54E-01	1.14E-09	6.45E-01	6.35E-01	0.00E+00	0.00E+00	0.00E+00			

DJZlc21ged

	omega	alpha1	alpha2	beta1	eta11	eta21	shape			
NotS	0.04962699	0.00022744	0.97452632	0.84155338	0	0	0			

DJZls11std

	omega	alpha1	beta1	shape						
NotS	5.20E-01	7.40E-04	0.00E+00	1.82E-08						

DJZls22std

	omega	alpha1	alpha2	beta1	beta2	shape				
NotS	0.13001126	0.01336929	0.99999849	0	0	0				

DJZls12std

	omega	alpha1	beta1	beta2	shape					
NotS	1.70E-01	6.14E-07	0.00E+00	0.00E+00	0.00E+00					

DJZls21std

	omega	alpha1	alpha2	beta1	shape					
NotS	0.17749321	0.00010385	0.99999905	0	0					

DJZle11std

	omega	alpha1	beta1	gamma1	shape					
NotS	0.00E+00	1.22E-01	0.00E+00	1.73E-05	0.00E+00					

DJZle22std

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
0	S			0	0	0	0	0	0	0	

DJZle12std

	omega	alpha1	beta1	beta2	gamma1	shape				
NotS	1.57E-06	2.12E-01	0.00E+00	0.00E+00	6.29E-06	0.00E+00				

DJZle21std

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
0	S			0	0	0	0	0		

DJZlg11std

	omega	alpha1	beta1	gamma1	shape					
NotS	2.54E-01	9.31E-02	0.00E+00	9.32E-02	2.22E-16					

DJZlg22std

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
NotS	0.80724809	0.92804431	0.99999933	0	0.999049	0	0	0.00937176		

DJZlg12std

	omega	alpha1	beta1	beta2	gamma1	shape				
NotS	0.10378423	0.00705689	0	0	0.12562986	0				

DJZlg21std

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
NotS	5.24E-01	8.46E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-11			

DJZli11std

	omega	alpha1	beta1	shape						
NotS	5.93E-03	2.42E-14	NA	0.00E+00						

DJZli22std

	omega	alpha1	alpha2	beta1	beta2	shape				
NotS	0.02141612	0.11630796	0.99999295	0.45374713	NA	0				

DJZli12std

	omega	alpha1	beta1	beta2	shape					
NotS	3.83E-02	5.15E-08	2.80E-01	NA	0.00E+00					

DJZli21std

	omega	alpha1	alpha2	beta1	shape					
NotS	0.00505338	0.53040389	0.99999909	NA	0					

DJZlc11std

	omega	alpha1	beta1	eta11	eta21	shape				
NotS	0.96458449	1.8738E-05	0.49649483	0	0	0				

DJZlc22std

	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape		
NotS	0.9732103	0	0.9596652	0.8213295	0.9056654	0	0	0		

DJZlc12std

	omega	alpha1	beta1	beta2	eta11	eta21	shape			
NotS	0.9674954	0	0.66889	0.8905722	0	0	0			

DJZlc21std

	omega	alpha1	alpha2	beta1	eta11	eta21	shape			
NotS	9.49E-01	1.15E-07	9.59E-01	7.47E-01	0.00E+00	0.00E+00	0.00E+00			

DJZls11nor

	omega	alpha1	beta1							
S	0.02426926	0	0							

DJZls22nor

	omega	alpha1	alpha2	beta1	beta2					
NotS	0.44328958	0.00559499	0.99999182	0	0					

DJZls12nor

	omega	alpha1	beta1	beta2						
NotS	0.55487873	0.01002334	0	0						

DJZls21nor

	omega	alpha1	alpha2	beta1						
NotS	0.0563562	0.1090859	0.9999996	0						

DJZle11nor

	omega	alpha1	beta1	gamma1						
S	0	0.00636403	0	0						

DJZle22nor

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2			
NotS	2.13E-02	3.16E-02	1.93E-01	0.00E+00	0.00E+00	1.70E-06	2.95E-04			

DJZle12nor

	omega	alpha1	beta1	beta2	gamma1					
S	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.47E-09					

DJZle21nor

	omega	alpha1	alpha2	beta1	gamma1	gamma2				
NotS	0.00E+00	2.23E-01	4.28E-01	0.00E+00	1.26E-07	5.57E-06				

DJZlg11nor

	omega	alpha1	beta1	gamma1						
NotS	0.33549507	0.06698921	0	0.00035491						

DJZlg22nor

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2			
NotS	0.38728319	0.74319116	0.99964538	0	0	0.01337458	0.04811401			

DJZlg12nor

	omega	alpha1	beta1	beta2	gamma1					
S	1.86E-06	6.29E-03	0.00E+00	0.00E+00	3.12E-04					

DJZlg21nor

	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.40641233	0.77381676	0.99999442	0	0.01405	0.04420165

DJZli11nor

	omega	alpha1	beta1
NotS	4.40E-01	5.11E-15	NA

DJZli22nor

	omega	alpha1	alpha2	beta1	beta2
NotS	0.1332926	0.0194087	0.9999466	0.1313777	NA

DJZli12nor

	omega	alpha1	beta1	beta2
NotS	2.82E-01	4.44E-15	9.32E-02	NA

DJZli21nor

	omega	alpha1	alpha2	beta1
NotS	0.4265828	0.1062005	0.9999996	NA

DJZlc11nor

	omega	alpha1	beta1	eta11	eta21
NotS	7.03E-01	8.32E-04	6.32E-01	0.00E+00	3.21E-06

DJZlc22nor

	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	5.47E-08	3.24E-04	9.95E-01	9.37E-01	9.98E-01	0.00E+00	2.24E-13

DJZlc12nor

	omega	alpha1	beta1	beta2	eta11	eta21
NotS	3.71E-01	5.94E-04	8.42E-01	8.76E-01	0.00E+00	9.33E-15

DJZlc21nor

	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.84441256	0.00048845	0.94250823	0.4701568	0	0

DJLHs11ged

	ar1	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	4.00E-01	3.56E-05	0.00E+00	0.00E+00

DJLHs22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.47434009	0.00554285	0.99798948	0.15301078	0	0

DJLHs12ged

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	5.88E-01	2.91E-02	1.00E-01	1.05E-09	0.00E+00

DJLHs21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.27914916	0.09037755	0.99969853	0	0

DJLHe11ged

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	5.10E-03	0.00E+00	1.06E-05	0.00E+00

DJLHe22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	6.90E-03	5.78E-02	2.23E-01	0.00E+00	8.68E-03	0.00E+00	1.15E-14	0.00E+00

DJLHe12ged

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	0.00E+00	2.05E-02	6.17E-03	0.00E+00	0.00E+00	1.26E-10	0.00E+00

DJLHe21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	5.72E-02	2.24E-01	0.00E+00	0.00E+00	5.55E-15	0.00E+00

DJLHq11ged

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	8.96E-01	6.91E-01	0.00E+00	7.46E-02	2.91E-08

DJLHq22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	3.49E-01	7.02E-08	1.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00

DJLHq12ged

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	4.19E-01	5.68E-02	1.07E-01	6.88E-15	5.02E-02	0.00E+00

DJLHq21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0.439308	0.4689185	0.9998684	0	0	0	0

DJLHi11ged

	ar1	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	4.23E-01	3.27E-06	NA	0.00E+00

DJLHi22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	7.42E-02	9.87E-03	9.99E-01	2.07E-07	NA	0.00E+00

DJLHi12ged

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	0	0	0.69121344	0.09592842	0.15020859	NA	0

DJLHi21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.36592599	0.08028691	0.99998748	NA	0

DJLHc11ged

	ar1	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.35E-02	8.01E-12	4.93E-01	0.00E+00	1.68E-08	0.00E+00

DJLHc22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.339106	0	0.9999886	0.8642303	0.9999899	0	0.1050117	0

DJLHc12ged

	ar1	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0.23990378	0	0.6907802	0.99993792	0	0.02590777	0

DJLHc21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.83E-06	1.17E-11	1.00E+00	7.81E-01	0.00E+00	0.00E+00	0.00E+00

DJLHs11std

	ar1	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	1.20E-10	3.84E-01	5.95E-05	0.00E+00	0.00E+00

DJLHs22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	5.16E-09	1.27E-01	3.11E-01	1.00E+00	7.69E-01	2.32E-01	0.00E+00

DJLHs12std

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	3.14E-10	3.58E-02	0.00E+00	1.71E-01	9.72E-08	0.00E+00

DJLHs21std

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	3.98E-10	4.64E-01	3.64E-01	1.00E+00	0.00E+00	2.76E-12

DJLHe11std

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
S	1.10E-11	9.47E-06	0.00E+00	2.19E-02	0.00E+00	2.18E-03	0.00E+00

DJLHe22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	1.03E-11	1.91E-02	1.29E-01	3.48E-01	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00

DJLHe12std

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	1.56E-11	3.24E-03	2.14E-02	0.00E+00	0.00E+00	1.26E-09	0.00E+00

DJLHe21std

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	2.59E-10	0.00E+00	1.28E-01	3.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJLHq11std

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	1.46E-10	1.65E-01	5.93E-02	0.00E+00	6.91E-02	0.00E+00

DJLHq22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	1.63E-08	2.11E-01	3.72E-01	1.00E+00	0.00E+00	8.88E-16	0.00E+00	0.00E+00	0.00E+00

DJLHq12std

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	1.89E-10	2.78E-02	7.41E-10	1.55E-01	0.00E+00	2.28E-02	0.00E+00

DJLHq21std

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	1.65E-09	8.60E-02	3.20E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJLHi11std

	ar1	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	1.19E-10	2.89E-01	5.63E-04	NA	0.00E+00

DJLHi22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	1.06E-10	4.85E-03	6.50E-03	1.00E+00	5.69E-01	NA	0.00E+00

DJLHi12std

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	3.15E-10	4.92E-03	1.72E-09	2.10E-01	NA	0.00E+00

DJLHi21std

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	2.36E-10	5.35E-01	2.34E-01	1.00E+00	NA	0.00E+00

DJLHc11std

	ar1	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	1.68E-07	4.00E-10	0.00E+00	1.59E-01	0.00E+00	0.00E+00	0.00E+00

DJLHc22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	1.09E-07	6.83E-09	0.00E+00	1.00E+00	6.18E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJLHc12std

	ar1	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	1.08E-07	1.71E-08	0.00E+00	1.68E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJLHc21std

	ar1	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	1.57E-07	1.82E-10	0.00E+00	1.00E+00	6.24E-01	0.00E+00	0.00E+00	0.00E+00

DJLHs11nor

	ar1	ma1	omega	alpha1	beta1
NotS	0.00E+00	2.01E-11	3.90E-01	5.38E-04	0.00E+00

DJLHs22nor

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	4.51E-10	7.45E-02	0.00E+00	1.00E+00	5.46E-01	2.24E-02

DJLHs12nor

	ar1	ma1	omega	alpha1	beta1	beta2
NotS	0.00E+00	1.01E-09	1.16E-01	5.74E-10	7.00E-02	6.86E-11

DJLHs21nor

	ar1	ma1	omega	alpha1	alpha2	beta1
NotS	0.00E+00	0.00E+00	8.91E-01	6.05E-07	1.00E+00	0.00E+00

DJLHe11nor

	ar1	ma1	omega	alpha1	beta1	gamma1
0 S			0	0	0	0	0

DJLHe22nor

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	3.38E-03	5.75E-02	0.00E+00	1.01E-03	3.70E-02	0.00E+00	0.00E+00	0.00E+00	1.13E-13

DJLHe12nor

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1
S	0.00E+00	0.00E+00	1.17E-02	1.11E-06	0.00E+00	0.00E+00	7.57E-08

DJLHe21nor

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
S	9.57E-13	3.00E-06	0.00E+00	1.23E-03	3.56E-02	0.00E+00	0.00E+00	0.00E+00

DJLHq11nor

	ar1	ma1	omega	alpha1	beta1	gamma1
NotS	0.00E+00	8.78E-12	9.49E-02	2.16E-02	0.00E+00	6.01E-05

DJLHq22nor

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	2.15E-14	1.17E-07	3.24E-02	2.99E-08	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJLHq12nor

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1
NotS	0.00E+00	7.51E-10	4.80E-02	2.39E-13	1.39E-01	0.00E+00	2.00E-08

DJLHq21nor

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	1.22E-13	2.56E-07	8.65E-02	2.60E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJLHi11nor

	ar1	ma1	omega	alpha1	beta1
NotS	0.00E+00	1.86E-11	7.49E-01	5.23E-02	NA

DJLHi22nor

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	4.95E-10	1.62E-02	3.80E-06	1.00E+00	8.19E-03	NA

DJLHi12nor

	ar1	ma1	omega	alpha1	beta1	beta2
NotS	0.00E+00	5.30E-10	6.76E-01	6.58E-02	5.09E-01	NA

DJLHi21nor

	ar1	ma1	omega	alpha1	alpha2	beta1
NotS	0.00E+00	2.09E-11	4.94E-01	2.30E-03	1.00E+00	NA

DJLHc11nor

	ar1	ma1	omega	alpha1	beta1	eta11	eta21
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-01	0.00E+00	1.35E-14

DJLHc22nor

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	1.90E-09	3.77E-05	1.25E-04	0.00E+00	1.00E+00	7.67E-01	1.00E+00	0.00E+00	0.00E+00

DJLHc12nor

	ar1	ma1	omega	alpha1	beta1	beta2	eta11	eta21
NotS	2.05E-09	3.84E-05	2.72E-04	0.00E+00	6.06E-01	1.00E+00	0.00E+00	0.00E+00

DJLHc21nor

	ar1	ma1	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	4.63E-09	5.70E-05	1.96E-04	1.00E-10	1.00E+00	7.65E-01	0.00E+00	0.00E+00

DJNGs11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.13E-13	1.38E-08	2.92E-01	2.07E-05	0.00E+00	0.00E+00

DJNGs22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	3.77E-15	2.52E-01	8.45E-03	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJNGs12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	7.33E-15	2.50E-01	1.72E-07	0.00E+00	0.00E+00	0.00E+00

DJNGs21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.66E-13	7.75E-09	3.61E-01	9.94E-02	1.00E+00	0.00E+00	0.00E+00

DJNGe11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	2.84E-09	1.91E-07	0.00E+00	4.61E-01	0.00E+00	2.35E-12	0.00E+00

DJNGe22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	2.26E-11	4.87E-02	3.84E-01	2.78E-01	0.00E+00	5.39E-02	6.63E-13	7.75E-09	0.00E+00

DJNGe12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	5.18E-10	2.25E-03	9.76E-04	7.59E-01	0.00E+00	0.00E+00	2.23E-10	0.00E+00

DJNGe21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	2.27E-11	0.00E+00	3.78E-01	2.70E-01	0.00E+00	4.21E-13	8.55E-09	0.00E+00

DJNGg11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	3.47E-13	1.18E-07	2.91E-01	1.15E-03	0.00E+00	8.37E-01	0.00E+00

DJNGg22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	1.29E-09	1.20E-08	3.11E-01	1.13E-01	1.00E+00	0.00E+00	0.00E+00	1.26E-02	8.68E-03	0.00E+00

DJNGg12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	4.00E-15	2.52E-01	3.77E-04	0.00E+00	0.00E+00	6.66E-01	0.00E+00

DJNGg21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	4.81E-13	2.39E-11	2.21E-01	1.62E-01	1.00E+00	0.00E+00	1.56E-02	1.20E-02	0.00E+00

DJNGi11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.57E-13	6.11E-06	6.77E-01	1.21E-03	NA	0.00E+00

DJNGi22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	8.88E-16	1.09E-01	1.27E-02	1.00E+00	0.00E+00	NA	0.00E+00

DJNGi12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	4.44E-16	5.24E-01	9.74E-04	2.12E-03	NA	0.00E+00

DJNGi21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.06E-12	6.97E-06	5.60E-01	7.42E-02	1.00E+00	NA	0.00E+00

DJNGc11ged

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	5.28E-11	8.01E-05	0.00E+00	3.40E-07	5.04E-01	0.00E+00	0.00E+00	0.00E+00

DJNGc22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	1.73E-09	6.72E-04	0.00E+00	3.02E-05	1.00E+00	7.97E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJNGc12ged

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	1.15E-09	5.52E-04	0.00E+00	4.31E-05	6.42E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJNGc21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	4.94E-11	7.45E-05	0.00E+00	2.70E-07	1.00E+00	8.40E-01	0.00E+00	0.00E+00	0.00E+00

DJNGs11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.01E-05	1.69E-04	4.23E-01	1.06E-03	0.00E+00	3.77E-13

DJNGs22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	5.35E-06	1.64E-04	2.40E-01	9.17E-03	1.00E+00	2.00E-15	0.00E+00	0.00E+00

DJNGs12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	3.06E-06	1.55E-04	2.33E-01	3.29E-06	0.00E+00	0.00E+00	0.00E+00

DJNGs21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.85E-05	1.73E-04	5.80E-01	1.65E-01	1.00E+00	0.00E+00	1.65E-07

DJNGe11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	2.27E-05	4.38E-04	0.00E+00	7.66E-01	0.00E+00	9.64E-09	0.00E+00

DJNGe22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	1.07E-07	3.91E-04	1.49E-07	2.60E-01	3.90E-01	0.00E+00	2.46E-11	0.00E+00	0.00E+00	0.00E+00

DJNGe12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	1.19E-05	8.03E-04	2.11E-04	4.38E-01	0.00E+00	0.00E+00	2.71E-10	0.00E+00

DJNGe21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
S	3.34E-08	3.90E-04	0.00E+00	2.33E-07	3.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJNGg11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	1.05E-05	1.75E-04	4.37E-01	1.30E-02	0.00E+00	3.66E-01	8.03E-13

DJNGg22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	2.47E-06	6.78E-05	4.72E-01	1.82E-01	1.00E+00	0.00E+00	0.00E+00	9.01E-03	9.75E-03	7.24E-14

DJNGg12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	2.70E-06	1.50E-04	2.37E-01	2.87E-03	4.07E-12	0.00E+00	2.37E-01	0.00E+00

DJNGg21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	4.16E-06	1.01E-04	2.75E-01	2.63E-01	1.00E+00	0.00E+00	5.97E-03	6.94E-03	1.20E-14

DJNGi11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	3.80E-06	1.35E-04	5.88E-01	4.85E-03	NA	0.00E+00

DJNGi22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	4.67E-06	1.52E-04	2.64E-02	8.10E-03	1.00E+00	2.09E-02	NA	0.00E+00

DJNGi12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	1.75E-05	1.54E-04	6.74E-01	1.14E-01	4.10E-01	NA	2.14E-11

DJNGi21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.5124E-05	0.0001498	0.45451569	0.10469963	0.99999849	NA	0

DJNGc11std

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	8.99E-09	4.47E-05	6.30E-05	0.00E+00	5.16E-01	0.00E+00	1.23E-05	0.00E+00

DJNGc22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	4.89E-09	4.27E-05	0.00E+00	0.00E+00	1.00E+00	7.53E-01	1.00E+00	0.00E+00	1.66E-13	0.00E+00

DJNGc12std

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	7.74E-09	4.52E-05	0.00E+00	0.00E+00	4.80E-01	1.00E+00	0.00E+00	2.69E-06	0.00E+00

DJNGc21std

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	2.13E-08	6.27E-05	5.60E-04	2.94E-06	1.00E+00	7.18E-01	0.00E+00	0.00E+00	0.00E+00

DJNGs11nor

	ma1	ma2	omega	alpha1	beta1
NotS	3.85E-02	3.44E-03	1.03E-01	5.36E-12	0.00E+00

DJNGs22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.03367747	0.00346465	0.16760732	0.00688773	0.99999414	0	0

DJNGs12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	3.24E-02	3.45E-03	1.47E-01	3.45E-10	0.00E+00	0.00E+00

DJNGs21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.03955794	0.00379113	0.1341538	0.0449233	0.99999764	0

DJNGe11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	2.26E-02	6.23E-04	0.00E+00	5.11E-02	0.00E+00	6.42E-09

DJNGe22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	1.06E-02	5.71E-08	1.18E-02	4.13E-01	5.98E-02	0.00E+00	7.62E-03	1.33E-15	7.12E-08

DJNGe12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	3.84E-02	5.44E-03	1.01E-05	1.63E-02	0.00E+00	0.00E+00	6.88E-15

DJNGe21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	9.78E-03	4.65E-08	0.00E+00	4.34E-01	6.05E-02	0.00E+00	0.00E+00	1.15E-08

DJNGg11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	3.61E-02	3.62E-03	1.04E-01	1.16E-07	0.00E+00	4.16E-01

DJNGg22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.02963184	0.00342726	0.14969392	0.0549523	0.99999896	0	0	0.05616791	0.02530125

DJNGg12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	3.19E-02	3.32E-03	1.44E-01	4.31E-07	0.00E+00	0.00E+00	4.83E-01

DJNGg21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.03326682	0.00395602	0.10798531	0.07845685	0.9999964	0	0.0456691	0.02202692

DJNGi11nor

	ma1	ma2	omega	alpha1	beta1
NotS	0.04021673	0.00341418	0.91696587	0.39525413	NA

DJNGi22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.03908229	0.00442173	0.01950002	0.00490505	0.99999463	0	NA

DJNGi12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	3.82E-02	4.40E-03	3.57E-01	1.14E-06	5.59E-09	NA

DJNGi21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.04237934	0.00471039	0.58874378	0.01972911	0.99999227	NA

DJNGc11nor

	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	0.02034033	0.00542339	0.00828082	0.00265239	0.80777161	0	0

DJNGc22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	1.97E-02	2.61E-03	0.00E+00	2.51E-05	8.51E-01	7.95E-01	1.00E+00	0.00E+00	0.00E+00

DJNGc12nor

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	2.03E-02	2.64E-03	0.00E+00	0.00E+00	7.22E-01	1.00E+00	0.00E+00	2.77E-10

DJNGc21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	1.93E-02	6.75E-04	3.91E-04	4.39E-06	8.63E-01	8.19E-01	0.00E+00	0.00E+00

DJPEs11ged

	omega	alpha1	beta1	shape
NotS	7.36E-01	1.14E-10	0.00E+00	0.00E+00

DJPEs22ged

	omega	alpha1	alpha2	beta1	beta2	shape
NotS	5.72E-01	4.77E-05	9.99E-01	4.11E-03	0.00E+00	0.00E+00

DJPEs12ged

	omega	alpha1	beta1	beta2	shape
NotS	6.33E-01	7.15E-05	2.92E-03	0.00E+00	0.00E+00

DJPEs21ged

	omega	alpha1	alpha2	beta1	shape
NotS	0.7553323	0.103576	0.9999997	0	0

DJPEe11ged

	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	1.23E-10	0.00E+00	7.95E-14	0.00E+00

DJPEe22ged

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.04048166	0.30922456	0.03540316	0	0.04856822	0	0	0

DJPEe12ged

	omega	alpha1	beta1	beta2	gamma1	shape
S	2.87E-05	6.08E-07	0.00E+00	0.00E+00	2.25E-11	0.00E+00

DJPEe21ged

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0.30660933	0.03480629	0	0	0	0

DJPEg11ged

	omega	alpha1	beta1	gamma1	shape
NotS	0.98244368	0.90642582	0	0.12885521	0.01293478

DJPEg22ged

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.49642199	0.68813496	0.99999915	0	0	0.00146809	0.0093079	0

DJPEg12ged

	omega	alpha1	beta1	beta2	gamma1	shape
NotS	6.92E-01	2.36E-07	0.00E+00	0.00E+00	6.95E-06	0.00E+00

DJPEg21ged

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.80898956	0.68436061	0.99999646	0	0.00092557	0.0068011	0

DJPEi11ged

	omega	alpha1	beta1	shape
NotS	6.80E-01	1.04E-08	NA	0.00E+00

DJPEi22ged

	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.51337233	0.00721928	0.9999974	0.20440812	NA	0

DJPEi12ged

	omega	alpha1	beta1	beta2	shape
NotS	0.71756289	0.00027404	0.14867424	NA	0

DJPEi21ged

	omega	alpha1	alpha2	beta1	shape
NotS	0.64391883	0.08777473	0.99999953	NA	0

DJPEc11ged

	omega	alpha1	beta1	eta11	eta21	shape
NotS	2.09E-01	9.16E-08	3.74E-01	0.00E+00	0.00E+00	0.00E+00

DJPEc22ged

	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.7135075	0	0.9999282	0.8375233	0.999948	0	0	0

DJPEc12ged

	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.7362349	0	0.6856208	0.9994677	0	0	0

DJPEc21ged

	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	7.14E-01	1.81E-07	1.00E+00	8.34E-01	0.00E+00	0.00E+00	0.00E+00

DJPEs11std

	omega	alpha1	beta1	shape
NotS	6.89E-01	7.58E-06	0.00E+00	0.00E+00

DJPEs22std

	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.42266831	0.00016959	0.99999669	0.1528911	0	0

DJPEs12std

	omega	alpha1	beta1	beta2	shape
NotS	4.46E-01	2.95E-07	5.67E-02	0.00E+00	0.00E+00

DJPEs21std

	omega	alpha1	alpha2	beta1	shape
NotS	8.20E-01	2.60E-01	1.00E+00	0.00E+00	2.48E-07

DJPEe11std

	omega	alpha1	beta1	gamma1	shape
S	4.86E-14	9.63E-06	0.00E+00	6.18E-05	0.00E+00

DJPEe22std

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.09597232	0.24980772	0.03255345	0	0.0878454	0	0	0

DJPEe12std

	omega	alpha1	beta1	beta2	gamma1	shape
S	5.74E-06	7.37E-06	0.00E+00	0.00E+00	4.55E-14	0.00E+00

DJPEe21std

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0.2486099	0.03193527	0	0	0	0

DJPEg11std

	omega	alpha1	beta1	gamma1	shape
NotS	8.69E-01	3.34E-01	0.00E+00	4.00E-08	0.00E+00

DJPEg22std

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	3.20E-01	6.57E-01	1.00E+00	0.00E+00	0.00E+00	3.56E-05	4.13E-04	0.00E+00

DJPEg12std

	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.48761932	0	0	0	8.0261E-05	0

DJPEg21std

	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	6.85E-01	6.46E-01	1.00E+00	0.00E+00	8.19E-06	1.46E-04	0.00E+00

DJPEi11std

	omega	alpha1	beta1	shape
NotS	4.58E-01	1.91E-09	NA	0.00E+00

DJPEi22std

	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.28571305	0.00924856	0.99999962	0.25327952	NA	0

DJPEi12std

	omega	alpha1	beta1	beta2	shape
NotS	0.55652222	0.00027488	0.16693924	NA	0

DJPEi21std

	omega	alpha1	alpha2	beta1	shape
NotS	0.4184724	0.1096351	0.9999993	NA	0

DJPEc11std

	omega	alpha1	beta1	eta11	eta21	shape
NotS	8.47E-01	9.76E-08	5.65E-01	0.00E+00	0.00E+00	0.00E+00

DJPEc22std

	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.8053701	0	0.9807728	0.771724	0.9870979	0	0	0

DJPEc12std

	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.8098183	0	0.5789025	0.9958422	0	0	0

DJPEc21std

	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	7.81E-01	3.28E-09	9.90E-01	7.87E-01	0.00E+00	0.00E+00	0.00E+00

DJPEs11nor

	omega	alpha1	beta1
NotS	0.4968632	0	0

DJPEs22nor

	omega	alpha1	alpha2	beta1	beta2
NotS	2.17E-01	5.86E-05	1.00E+00	2.65E-10	0.00E+00

DJPEs12nor

	omega	alpha1	beta1	beta2
NotS	7.45E-01	2.40E-02	1.80E-01	1.55E-15

DJPEs21nor

	omega	alpha1	alpha2	beta1
NotS	0.51513052	0.00789702	0.99999823	0

DJPEe11nor

	omega	alpha1	beta1	gamma1
S	0.00E+00	2.22E-16	0.00E+00	0.00E+00

DJPEe22nor

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00183445	0.19717676	0.00042792	0	0	0	0

DJPEe12nor

	omega	alpha1	beta1	beta2	gamma1
S	1.47E-02	1.29E-12	0.00E+00	0.00E+00	2.00E-10

DJPEe21nor

	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	2.44E-01	1.23E-03	0.00E+00	4.44E-16	3.20E-13

DJPEg11nor

	omega	alpha1	beta1	gamma1
NotS	6.41E-01	3.47E-01	0.00E+00	2.00E-10

DJPEg22nor

	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	6.33E-01	1.77E-01	1.00E+00	4.77E-14	0.00E+00	3.97E-06	8.21E-01

DJPEg12nor

	omega	alpha1	beta1	beta2	gamma1
NotS	0.79152705	0.38115601	0	0	0.00016559

DJPEg21nor

	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.70172578	0.60412517	0.99998155	0	0.00029593	0.01025045

DJPEi11nor

	omega	alpha1	beta1
NotS	0.77316163	0.00155203	NA

DJPEi22nor

	omega	alpha1	alpha2	beta1	beta2
NotS	4.93E-01	4.89E-05	1.00E+00	2.90E-11	NA

DJPEi12nor

	omega	alpha1	beta1	beta2
NotS	0.7564647	0.00949991	0.06605888	NA

DJPEi21nor

	omega	alpha1	alpha2	beta1
NotS	0.66875583	0.00701518	0.9999997	NA

DJPEc11nor

	omega	alpha1	beta1	eta11	eta21
NotS	6.53E-01	6.61E-05	7.95E-01	0.00E+00	0.00E+00

DJPEc22nor

	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	0.00294803	0	0.99999972	0.82740496	0.99999797	0	0

DJPEc12nor

	omega	alpha1	beta1	beta2	eta11	eta21
NotS	0.01550356	0	0.82499143	0.99999914	0	0

DJPEc21nor

	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.44217126	0.01460593	0.99999992	0.92568749	0	0

DJSOs11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0	0	0.45698819	0.00148973	0	0

DJSOs22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	7.11E-15	0.00E+00	4.44E-01	2.52E-03	9.99E-01	3.19E-01	0.00E+00	0.00E+00

DJSOs12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0	0	0.37415696	0.00157128	0.16746716	0	0

DJSOs21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.31677385	0.06926715	0.99995982	0	0

DJSOe11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	1.79E-05	1.44E-06	2.71E-10	4.61E-02	0.00E+00	7.27E-02	0.00E+00

DJSOe22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	7.55E-15	6.58E-03	1.05E-01	2.92E-02	0.00E+00	0.00E+00	2.17E-11	1.09E-07	0.00E+00

DJSOe12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	1.59E-04	2.08E-01	0.00E+00	0.00E+00	5.60E-12	0.00E+00

DJSOe21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
S	0.00E+00	1.10E-13	0.00E+00	4.93E-07	7.36E-07	0.00E+00	2.97E-11	9.08E-08	0.00E+00

DJSOg11ged

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	8.14E-05	2.54E-05	7.04E-01	1.65E-02	0.00E+00	4.83E-02	0.00E+00

DJSOg22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	4.66E-15	2.22E-16	3.26E-02	0.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJSOg12ged

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	1.53E-11	0.00E+00	9.35E-01	7.03E-01	2.50E-01	4.59E-04	2.26E-01	6.25E-05

DJSOg21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	2.32E-10	8.88E-15	5.03E-02	9.97E-03	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJSOi11ged

	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	5.16E-01	5.26E-13	NA	0.00E+00

DJSOi22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	5.33E-15	0.00E+00	3.09E-01	1.70E-03	1.00E+00	2.53E-01	NA	0.00E+00

DJSOi12ged

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	4.89E-01	4.69E-08	1.67E-01	NA	0.00E+00

DJSOi21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	4.29E-14	0.00E+00	4.78E-01	6.72E-02	1.00E+00	NA	0.00E+00

DJSOc11ged

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	3.44E-14	4.88E-12	2.60E-01	3.22E-06	6.88E-01	0.00E+00	9.01E-08	0.00E+00

DJSOc22ged

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.88E-01	2.05E-12	1.00E+00	9.01E-01	1.00E+00	0.00E+00	2.93E-03	0.00E+00

DJSOc12ged

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	1.06E-07	6.91E-10	1.05E-01	0.00E+00	7.63E-01	9.99E-01	0.00E+00	5.13E-13	0.00E+00

DJSOc21ged

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0	0	0.39756532	0	0.99999943	0.76079863	0	0.01792663	0

DJSOs11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	2.33E-03	9.41E-05	1.35E-01	8.10E-09	0.00E+00	0.00E+00

DJSOs22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	6.64E-04	1.28E-04	1.23E-01	1.56E-05	1.00E+00	5.25E-02	0.00E+00	0.00E+00

DJSOs12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00027658	0.00011408	0.2525406	0.00061136	0.03670721	0	0

DJSOs21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.00423097	9.4252E-05	0.02166501	0.08151298	0.99999744	0	0

DJSOe11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	4.14E-03	9.87E-05	0.00E+00	1.17E-01	0.00E+00	1.01E-01	0.00E+00

DJSOe22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	4.21E-07	2.42E-05	7.16E-02	1.84E-01	3.45E-03	0.00E+00	6.61E-02	7.63E-10	3.78E-08	0.00E+00

DJSOe12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	6.37E-04	2.40E-04	1.80E-11	2.51E-01	0.00E+00	0.00E+00	1.17E-10	0.00E+00

DJSOe21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
S	2.85E-07	2.43E-05	0.00E+00	4.04E-02	2.79E-06	0.00E+00	8.40E-10	4.34E-08	0.00E+00

DJSOg11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00290822	0.00010431	0.18137307	0	0	0.13074497	0

DJSOg22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	5.40E-06	3.21E-05	5.12E-01	4.84E-02	1.00E+00	0.00E+00	0.00E+00	1.02E-14	0.00E+00	2.31E-10

DJSOg12std

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00047065	0.00012907	0.14767146	0	0.00859658	0	0.26427844	0

DJSOg21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	2.04E-05	2.99E-05	7.10E-02	1.55E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJSOi11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	2.27E-03	9.18E-05	2.22E-01	2.22E-09	NA	0.00E+00

DJSOi22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00077672	0.00012428	0.27499384	0.00121127	0.99999854	0.22120021	NA	0

DJSOi12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00019798	0.00011365	0.46134314	0.00365204	0.17009612	NA	0

DJSOi21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	4.28E-03	9.25E-05	1.84E-01	8.99E-02	1.00E+00	NA	0.00E+00

DJSOc11std

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	2.16E-07	1.38E-05	1.41E-01	6.81E-06	5.88E-01	0.00E+00	0.00E+00	0.00E+00

DJSOc22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	1.13E-08	1.24E-05	6.59E-02	0.00E+00	1.00E+00	7.04E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJSOc12std

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	1.13E-08	1.35E-05	9.90E-02	0.00E+00	5.85E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

DJSOc21std

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	1.56E-07	1.29E-05	7.81E-02	1.17E-07	1.00E+00	6.80E-01	0.00E+00	0.00E+00	0.00E+00

DJSOs11nor

	ma1	ma2	omega	alpha1	beta1
NotS	1.98E-02	3.06E-03	1.01E-01	4.50E-09	0.00E+00

DJSOs22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	2.92E-03	9.63E-04	2.27E-05	2.68E-07	1.00E+00	3.47E-01	0.00E+00

DJSOs12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	0.00270322	0.00094719	0.00914962	0	0.12587643	0

DJSOs21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.02527201	0.00308972	0.11570186	0.01690457	0.9999992	0

DJSOe11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
S	0.02162796	0.0040746	0	0.00785433	0	0

DJSOe22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
S	7.24E-03	8.04E-03	1.24E-04	1.24E-03	9.24E-06	0.00E+00	0.00E+00	1.37E-08	2.45E-04

DJSOe12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	0.00259023	0.00151923	0.02025362	0.06301192	0	0	0

DJSOe21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
S	6.22E-07	2.10E-06	0.00E+00	7.48E-04	3.51E-06	0.00E+00	6.66E-16	2.56E-11

DJSOg11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	3.22E-02	2.20E-03	1.32E-01	1.21E-09	0.00E+00	3.72E-04

DJSOg22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00014321	0.00013201	0.05732607	0.04176537	0.77129265	0	0	0	0

DJSOg12nor

NotS NULL

DJSOg21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	3.78E-03	1.12E-02	8.52E-01	6.95E-01	9.76E-01	0.00E+00	2.89E-15	0.00E+00

DJSOi11nor

	ma1	ma2	omega	alpha1	beta1
NotS	0.02477232	0.00356089	0.94657234	0.56434385	NA

DJSOi22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	6.70E-03	1.45E-03	3.92E-01	3.91E-06	1.00E+00	4.81E-04	NA

DJSOi12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	6.97E-03	1.55E-03	4.80E-01	8.53E-06	1.24E-01	NA

DJSOi21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.0306888	0.00384847	0.71654473	0.01586423	0.99999094	NA

DJSOc11nor

	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	0.0056	0.00167752	0.00087057	0.06153752	0.8491514	0	0

DJSOc22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	0.00399896	0.00166279	0.00074449	0.00238511	0.99999689	0.73986257	0.99999156	0	0

DJSOc12nor

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	0.00397245	0.0017102	0.00064338	0.00611987	0.84593364	0.99984338	0	0

DJSOc21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.00400298	0.00171013	0.00068258	0.01409144	0.99982886	0.60336981	0	0

SEFPs11ged

	ar1	omega	alpha1	beta1	shape
S	0.00E+00	0.00E+00	2.22E-16	0.00E+00	0.00E+00

SEFPs22ged

	ar1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0.99996892	0.51826604	0.00023811	0

SEFPs12ged

	ar1	omega	alpha1	beta1	beta2	shape
NotS	0	0	0	0.58263325	0.00289764	0

SEFPs21ged

	ar1	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.01304609	0.99999488	0	0

SEFPe11ged

	ar1	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	5.68E-12	0.00E+00	0.00E+00	0.00E+00

SEFPe22ged

	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	6.23E-06	1.94E-02	7.40E-01	0.00E+00	3.44E-03	1.20E-11	2.42E-09	0.00E+00

SEFPe12ged

	ar1	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	1.95E-03	4.56E-07	1.12E-06	0.00E+00	5.08E-05	0.00E+00

SEFPe21ged

	ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	1.83E-02	7.59E-01	0.00E+00	7.28E-12	2.82E-09	0.00E+00

SEFPg11ged

	ar1	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	8.63E-01	0.00E+00	4.00E-06	0.00E+00

SEFPg22ged

	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0.93461697	0.99990927	0	0.0089093	0.00038461	0.0040376	0

SEFPg12ged

	ar1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	2.06E-01	1.70E-01	1.37E-04	1.09E-05	0.00E+00

SEFPg21ged

	ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	9.89E-01	1.00E+00	0.00E+00	7.69E-05	1.02E-03	0.00E+00

SEFPi11ged

	ar1	omega	alpha1	beta1	shape
NotS	0	0.38573438	0.00111807	NA	0

SEFPi22ged

	ar1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0.23037515	0.00060882	0.99999751	0.68983082	NA	0

SEFPi12ged

	ar1	omega	alpha1	beta1	beta2	shape
NotS	0	0.30795804	0.00242872	0.34417384	NA	0

SEFPi21ged

	ar1	omega	alpha1	alpha2	beta1	shape
NotS	0	0.23764272	0.01395513	0.99999971	NA	0

SEFPc11ged

	ar1	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	4.44E-16	2.85E-01	0.00E+00	7.61E-04	0.00E+00

SEFPc22ged

	ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.47E-10	9.95E-01	8.78E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEFPc12ged

	ar1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	2.38E-03	2.65E-04	1.77E-06	5.86E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEFPc21ged

	ar1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0	0.70571107	0.03718988	0.99998189	0.00106487	0	0.00127052	0

SEFPs11std

	ar1	omega	alpha1	beta1	shape
NotS	6.51E-12	2.16E-01	1.47E-02	0.00E+00	0.00E+00

SEFPs22std

	ar1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	5.69E-12	2.58E-01	6.59E-03	1.00E+00	5.75E-01	1.24E-14	0.00E+00

SEFPs12std

	ar1	omega	alpha1	beta1	beta2	shape
NotS	8.58E-12	2.70E-01	1.19E-02	5.44E-01	4.61E-02	0.00E+00

SEFPs21std

	ar1	omega	alpha1	alpha2	beta1	shape
NotS	6.43E-12	1.03E-01	1.40E-02	1.00E+00	0.00E+00	0.00E+00

SEFPe11std

	ar1	omega	alpha1	beta1	gamma1	shape
S	4.61E-11	3.44E-06	3.26E-03	0.00E+00	1.99E-02	0.00E+00

SEFPe22std

	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	8.41E-13	2.58E-02	3.17E-02	7.65E-01	0.00E+00	2.67E-02	2.64E-05	2.73E-05	0.00E+00

SEFPe12std

	ar1	omega	alpha1	beta1	beta2	gamma1	shape
S	2.44E-11	2.48E-03	4.66E-03	4.16E-04	6.62E-12	7.74E-03	0.00E+00

SEFPe21std

	ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	2.71E-12	0.00E+00	2.63E-02	7.28E-01	0.00E+00	6.14E-06	6.44E-06	0.00E+00

SEFPg11std

	ar1	omega	alpha1	beta1	gamma1	shape
NotS	4.04E-11	3.54E-03	9.46E-01	0.00E+00	6.53E-05	0.00E+00

SEFPg22std

	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	2.78E-12	0.00E+00	9.99E-01	1.00E+00	0.00E+00	1.60E-01	1.53E-14	1.08E-11	0.00E+00

SEFPg12std

	ar1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	6.47E-12	1.16E-02	3.39E-01	1.18E-01	1.05E-06	9.46E-04	0.00E+00

SEFPg21std

		ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	NotS	3.37E-12	0.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
SEFPi11std													
		ar1	omega	alpha1	beta1	shape							
	NotS	6.25E-12	1.28E-01	1.39E-02	NA	0.00E+00							
SEFPi22std													
		ar1	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	4.98E-12	1.28E-01	6.14E-03	1.00E+00	5.90E-01	NA	0.00E+00					
SEFPi12std													
		ar1	omega	alpha1	beta1	beta2	shape						
	NotS	6.01E-12	1.33E-01	9.55E-03	5.14E-01	NA	0.00E+00						
SEFPi21std													
		ar1	omega	alpha1	alpha2	beta1	shape						
	NotS	6.16E-12	3.62E-01	1.07E-02	1.00E+00	NA	0.00E+00						
SEFPc11std													
		ar1	omega	alpha1	beta1	eta11	eta21	shape					
	NotS	6.99E-13	5.56E-06	1.41E-03	7.90E-01	0.00E+00	2.39E-01	3.02E-06					
SEFPc22std													
		ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape			
	NotS	1.58E-13	0.00E+00	0.00E+00	1.00E+00	7.07E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00			
SEFPc12std													
		ar1	omega	alpha1	beta1	beta2	eta11	eta21	shape				
	NotS	4.24E-13	0.00E+00	1.14E-12	5.47E-01	1.00E+00	0.00E+00	2.41E-05	0.00E+00				
SEFPc21std													
		ar1	omega	alpha1	alpha2	beta1	eta11	eta21	shape				
	NotS	2.04E-13	0.00E+00	0.00E+00	1.00E+00	0.00E+00	0.00E+00	2.22E-16	0.00E+00				
SEFPs11nor													
		ar1	omega	alpha1	beta1								
	S	0.00086546	0	0	0								
SEFPs22nor													
		ar1	omega	alpha1	alpha2	beta1	beta2						
	NotS	4.91E-03	0.00E+00	2.42E-13	1.07E-01	1.00E+00	0.00E+00						
SEFPs12nor													
	NotS	NULL											
SEFPs21nor													
		ar1	omega	alpha1	alpha2	beta1							
	NotS	0.00086177	0	0.00103577	0.99999845	0							
SEFPe11nor													
		ar1	omega	alpha1	beta1	gamma1							
	S	0.00089993	0	0	0	0							
SEFPe22nor													
		ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	6.36E-03	0.00E+00	3.30E-05	7.92E-01	0.00E+00	0.00E+00	6.21E-07	9.77E-03				
SEFPe12nor													
		ar1	omega	alpha1	beta1	beta2	gamma1						
	S	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08						
SEFPe21nor													
		ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	9.92E-04	0.00E+00	0.00E+00	8.04E-02	0.00E+00	2.83E-06	4.93E-03					
SEFPq11nor													
		ar1	omega	alpha1	beta1	gamma1							
	NotS	1.87E-03	0.00E+00	9.99E-01	0.00E+00	1.72E-11							
SEFPq22nor													
		ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	3.19E-03	0.00E+00	1.00E+00	1.00E+00	2.19E-08	6.32E-01	7.47E-04	2.85E-01				
SEFPq12nor													
		ar1	omega	alpha1	beta1	beta2	gamma1						
	NotS	2.36E-03	0.00E+00	1.00E+00	2.96E-04	1.46E-01	6.46E-10						
SEFPq21nor													
		ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	0.00316206	0	0.99998605	0.99999228	0	0.00074614	0.22566301					
SEFPi11nor													
		ar1	omega	alpha1	beta1								
	NotS	0.00042588	0.50717289	0	NA								
SEFPi22nor													
		ar1	omega	alpha1	alpha2	beta1	beta2						
	NotS	6.60E-03	8.61E-02	8.94E-10	1.50E-01	1.00E+00	NA						
SEFPi12nor													
		ar1	omega	alpha1	beta1	beta2							
	NotS	1.20E-02	8.83E-02	3.60E-09	1.89E-01	NA							
SEFPi21nor													
		ar1	omega	alpha1	alpha2	beta1							
	NotS	0.00046839	0.51839635	0.06350549	0.99999975	NA							
SEFPc11nor													
		ar1	omega	alpha1	beta1	eta11	eta21						
	NotS	8.88E-04	4.15E-01	3.46E-07	0.00E+00	0.00E+00	0.00E+00						
SEFPc22nor													
		ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21				
	NotS	1.14E-03	5.73E-01	4.44E-16	9.99E-01	2.50E-01	4.62E-01	0.00E+00	0.00E+00				
SEFPc12nor													
		ar1	omega	alpha1	beta1	beta2	eta11	eta21					
	NotS	1.11E-03	5.43E-01	7.25E-06	7.16E-03	1.02E-01	0.00E+00	0.00E+00					
SEFPc21nor													
		ar1	omega	alpha1	alpha2	beta1	eta11	eta21					
	NotS	0.00097311	0.57384852	0.0038498	0.97190936	0	0	0					
SEECs11ged													
		ma1	ma2	omega	alpha1	beta1	shape						
	S		0	0	0	0	0	0					
SEECs22ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape				
	NotS	0	0	0	0.02322041	0.99999968	0.42471513	0.00467954	0				
SEECs12ged													
		ma1	ma2	omega	alpha1	beta1	beta2	shape					
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-01	8.88E-07	0.00E+00					
SEECs21ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	shape					
	NotS	0	0	0	0.05699298	0.99999801	0	0					
SEECe11ged													
		ma1	ma2	omega	alpha1	beta1	gamma1	shape					
	S	0.00E+00	0.00E+00	0.00E+00	6.66E-16	0.00E+00	0.00E+00	0.00E+00					
SEECe22ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
	NotS	0.00E+00	0.00E+00	0.00E+00	6.69E-02	2.35E-01	0.00E+00	0.00E+00	1.10E-10	1.58E-09	0.00E+00		
SEECe12ged													
		ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape				
	S	0.00E+00	4.66E-15	0.00E+00	2.80E-14	0.00E+00	0.00E+00	2.52E-02	0.00E+00				
SEECe21ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
	NotS	0.00E+00	0.00E+00	0.00E+00	6.94E-02	2.79E-01	0.00E+00	1.76E-11	1.59E-09	0.00E+00			
SEECq11ged													
		ma1	ma2	omega	alpha1	beta1	gamma1	shape					
	NotS	0.00E+00	0.00E+00	0.00E+00	1.00E+00	0.00E+00	8.37E-06	0.00E+00					
SEECq22ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
	NotS	0	0	0	0.99997796	0.99999293	0	0.72480547	0.00030663	0.00427935	0		
SEECq12ged													
		ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape				
	NotS	0.00E+00	0.00E+00	0.00E+00	9.99E-01	2.69E-02	1.06E-03	3.86E-06	0.00E+00				
SEECq21ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
	NotS	0	0	0	0.99988636	0.9999426	0	0.00013836	0.00244329	0			
SEECi11ged													
		ma1	ma2	omega	alpha1	beta1	shape						
	NotS	0.00E+00	0.00E+00	3.12E-01	6.44E-15	NA	0.00E+00						
SEECi22ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape				
	NotS	0.00E+00	2.93E-11	5.57E-02	1.69E-02	9.74E-01	2.34E-01	NA	0.00E+00				
SEECi12ged													
		ma1	ma2	omega	alpha1	beta1	beta2	shape					
	NotS	0.00E+00	0.00E+00	2.80E-01	3.82E-07	9.30E-02	NA	0.00E+00					
SEECi21ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	shape					
	NotS	0	0	0.29492765	0.09755439	0.99996514	NA	0					
SEECc11ged													
		ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape				
	NotS	0.00E+00	1.84E-14	5.15E-02	3.38E-10	7.28E-01	0.00E+00	0.00E+00	0.00E+00				
SEECc22ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape		
	NotS	0.00E+00	0.00E+00	1.19E-01	0.00E+00	9.97E-01	7.90E-01	9.86E-01	0.00E+00	1.93E-06	0.00E+00		
SEECc12ged													
		ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape			
	NotS	0.00E+00	0.00E+00	3.29E-02	7.28E-09	8.09E-01	1.00E+00	0.00E+00	1.78E-07	0.00E+00			
SEECc21ged													
		ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape			
	NotS	0.00E+00	0.00E+00	2.22E-16	0.00E+00	9.99E-01	8.24E-01	0.00E+00	2.15E-04	0.00E+00			
SEECs11std													
		ma1	ma2	omega	alpha1	beta1	shape						
	NotS	1.41E-07	1.33E-05	3.82E-07	9.20E-06	1.00E+00	0.00E+00						
SEECs22std													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape				
	NotS	1.16E-07	1.62E-05	1.26E-06	0.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00				
SEECs12std													
	NotS	NULL											
SEECs21std													
		ma1	ma2	omega	alpha1	alpha2	beta1	shape					
	NotS	1.03E-07	9.41E-07	1.24E-09	6.76E-05	1.00E+00	1.00E+00	0.00E+00					
SEECe11std													
		ma1	ma2	omega	alpha1	beta1	gamma1	shape					
	NotS	8.15E-04	1.20E-04	0.00E+00	1.12E-09	0.00E+00	8.43E-02	0.00E+00					
SEECe22std													
		ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
	NotS	4.71E-06	5.50E-04	9.07E-04	8.03E-02	4.50E-01	0.00E+00	8.78E-02	4.79E-03	6.23E-03	0.00E+00		
SEECe12std													
		ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape				
	S	0.00112575	0.00028098	0	1.0203E-05	0	0	0.02730183	0				
SEECe21std													
		ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
	NotS	5.64E-06	5.53E-04	0.00E+00	6.07E-02	3.43E-01	0.00E+00	6.79E-10	5.89E-08	0.00E+00			

SEECg11std

	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	2.87E-04	5.65E-04	0.00E+00	1.00E+00	0.00E+00	5.07E-05	0.00E+00

SEECg22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00048741	0.00074002	0	0.99999869	0.99999988	0	0.9999608	0.00662277	0.0296468	0

SEECg12std

NotS NULL

SEECg21std

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00045378	0.00075232	0	0.99999808	0.99999994	0	0.00300373	0.01536777	0

SEECi11std

	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.13E-07	1.25E-06	1.10E-08	0.00E+00	NA	0.00E+00

SEECi22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0.9956519	0	NA	0

SEECi12std

	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	7.56E-08	8.44E-04	2.27E-09	0.00E+00	0.00E+00	NA	0.00E+00

SEECi21std

	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	1.13E-07	2.63E-04	4.81E-03	0.00E+00	1.00E+00	NA	0.00E+00

SEECc11std

	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	1.89E-06	9.39E-04	8.14E-01	0.00E+00	9.52E-01	0.00E+00	7.93E-01	0.00E+00

SEECc22std

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	1.19E-05	1.76E-04	7.64E-01	0.00E+00	9.52E-01	4.39E-01	3.95E-03	0.00E+00	3.38E-08	0.00E+00

SEECc12std

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	3.26E-08	8.70E-06	8.16E-01	0.00E+00	2.53E-01	8.14E-01	0.00E+00	8.08E-06	0.00E+00

SEECc21std

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	8.31E-07	3.44E-04	3.16E-02	0.00E+00	9.96E-01	9.82E-01	0.00E+00	6.31E-02	0.00E+00

SEECs11nor

	ma1	ma2	omega	alpha1	beta1
NotS	6.84E-02	5.75E-02	2.59E-01	3.92E-09	0.00E+00

SEECs22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	4.49E-02	3.96E-02	3.17E-06	3.59E-05	1.00E+00	3.16E-02	4.44E-16

SEECs12nor

	ma1	ma2	omega	alpha1	beta1	beta2
S	0.04194836	0.03992484	0.00042012	0	0.0069649	0

SEECs21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.07086071	0.05790728	0.26019971	0.00558144	0.99999324	0

SEECe11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	0.24112933	0.03356043	0	0	0	0

SEECe22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	7.72E-03	1.78E-02	4.66E-15	4.61E-01	2.06E-04	0.00E+00	0.00E+00	1.75E-09	6.23E-07

SEECe12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	1.64E-02	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-08

SEECe21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	5.28E-06	1.97E-02	0.00E+00	5.08E-01	3.63E-04	0.00E+00	2.41E-09	7.27E-07

SEECq11nor

	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	1.91E-01	4.15E-02	5.03E-09	1.00E+00	0.00E+00	1.78E-15

SEECq22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	2.14E-01	3.83E-02	2.22E-16	1.00E+00	1.00E+00	2.96E-09	1.05E-02	1.02E-04	1.88E-01

SEECq12nor

	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	2.05E-01	3.79E-02	0.00E+00	1.00E+00	5.73E-04	1.64E-05	1.88E-11

SEECq21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	2.03E-01	4.40E-02	4.31E-06	1.00E+00	1.00E+00	0.00E+00	2.30E-04	8.74E-02

SEECi11nor

	ma1	ma2	omega	alpha1	beta1
NotS	0.05061537	0.05352309	0.70800492	0.00352688	NA

SEECi22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	3.64E-02	3.75E-02	2.58E-01	9.84E-06	1.00E+00	1.76E-04	NA

SEECi12nor

	ma1	ma2	omega	alpha1	beta1	beta2
NotS	0.07337769	0.05067675	0.83434927	0.25026456	0.36573721	NA

SEECi21nor

	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0.05836634	0.05478744	0.60302603	0.00231273	0.99999883	NA

SEECc11nor

	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	8.48E-02	3.89E-02	5.22E-01	6.14E-07	0.00E+00	0.00E+00	0.00E+00

SEECc22nor

	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	3.61E-02	5.23E-02	5.41E-01	1.88E-07	7.81E-01	3.11E-01	3.23E-06	0.00E+00	6.66E-03

SEECc12nor

	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	3.64E-02	4.39E-02	6.04E-01	6.86E-08	5.74E-02	4.04E-09	0.00E+00	0.00E+00

SEECc21nor

	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.08080618	0.06268887	0.35020354	0	0.91337678	0	0	0.00096753

SEFLs11ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	7.76E-12	1.07E-09	0.00E+00	0.00E+00	3.50E-01	1.05E-04	0.00E+00	0.00E+00

SEFLs22ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	1.67E-04	1.00E+00	4.91E-01	0.00E+00	0.00E+00

SEFLs12ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	8.88E-16	0.00E+00	0.00E+00	2.75E-04	2.31E-09	2.10E-01	0.00E+00	0.00E+00

SEFLs21ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	3.31E-14	2.04E-04	0.00E+00	0.00E+00	4.55E-01	1.21E-01	9.99E-01	0.00E+00	0.00E+00

SEFLe11ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	5.20E-14	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	7.67E-06	0.00E+00

SEFLe22ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	5.25E-12	3.17E-11	0.00E+00	0.00E+00	1.10E-02	8.62E-01	4.43E-01	0.00E+00	0.00E+00	0.00E+00	1.17E-13	0.00E+00

SEFLe12ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	3.80E-08	1.34E-04	0.00E+00	0.00E+00	1.55E-01	9.89E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00

SEFLe21ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	8.92E-08	1.63E-09	0.00E+00	0.00E+00	0.00E+00	8.10E-01	5.48E-01	0.00E+00	1.68E-12	2.51E-11	0.00E+00

SEFLg11ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	4.36E-07	2.29E-07	0.00E+00	0.00E+00	3.21E-07	3.57E-03	0.00E+00	4.15E-03	0.00E+00

SEFLg22ged

NotS NULL

SEFLg12ged

NotS NULL

SEFLg21ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	2.71E-05	4.27E-06	0.00E+00	0.00E+00	7.60E-01	1.92E-01	1.00E+00	0.00E+00	2.22E-16	0.00E+00	0.00E+00

SEFLi11ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	1.49E-12	1.03E-02	0.00E+00	0.00E+00	3.42E-01	1.69E-08	NA	0.00E+00

SEFLi22ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	3.51E-01	4.02E-04	1.00E+00	2.28E-01	NA	0.00E+00

SEFLi12ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	5.94E-03	1.33E-15	0.00E+00	7.28E-01	1.91E-01	3.33E-01	NA	0.00E+00

SEFLi21ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	7.20E-05	1.53E-02	3.38E-12	0.00E+00	2.97E-01	6.68E-02	1.00E+00	NA	0.00E+00

SEFLc11ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	8.48E-01	3.92E-01	9.63E-01	0.00E+00	3.50E-01	0.00E+00

SEFLc22ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	4.46E-05	4.24E-05	0.00E+00	0.00E+00	4.51E-01	2.34E-04	1.00E+00	8.44E-01	7.04E-09	0.00E+00	2.12E-12	0.00E+00

SEFLc12ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	1.93E-01	3.48E-10	5.79E-01	0.00E+00	0.00E+00	8.43E-05	0.00E+00

SEFLc21ged

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	1.55E-01	1.49E-04	1.00E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00

SEFLs11std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	shape
NotS	6.50E-01	7.25E-01	7.92E-01	6.04E-02	7.78E-01	1.32E-07	0.00E+00	0.00E+00	0.00E+00

SEFLs22std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.49845111	0.88013385	0.80804602	0.04385252	0.64869595	0	0.00030197	1	0.56498404	0	0

SEFLs12std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	shape
NotS	4.96E-01	8.79E-01	8.08E-01	4.37E-02	6.47E-01	0.00E+00	2.22E-16	2.72E-01	0.00E+00	0.00E+00

SEFLs21std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	shape
NotS	6.37E-01	7.27E-01	7.91E-01	5.68E-02	7.68E-01	1.49E-09	3.28E-01	1.00E+00	0.00E+00	0.00E+00

SEFLe11std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.0056199	0.00610595	0.38823676	0.06347501	0.14229117	0	0.00382317	0	0.00129778	0

SEFLe22std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	2.38E-09	8.88E-01	9.45E-01	1.74E-01	1.26E-09	3.30E-08	7.19E-01	5.53E-01	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00

SEFLe12std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	2.03E-03	6.21E-02	8.13E-01	1.26E-02	2.34E-02	4.89E-02	3.56E-02	1.20E-13	0.00E+00	1.35E-02	0.00E+00

SEFLe21std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	5.67E-01	7.93E-01	2.20E-08	0.00E+00	0.00E+00	7.14E-01	5.65E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEFLg11std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.64846321	0.81763554	0.86696663	0.05588839	0.75792717	0	0.1431351	0	0.0005544	0

SEFLg22std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.53065541	0.92840672	0.88672158	0.03912518	0.66429294	0	0.00019805	1	0	0	0	0	0

SEFLg12std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.51342835	0.90944138	0.89101904	0.04691478	0.64581471	0	0.000273	0.19499686	0	0.01568967	0

SEFLg21std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	5.50E-01	8.63E-01	9.25E-01	3.84E-02	6.81E-01	2.88E-08	3.75E-01	1.00E+00	0.00E+00	0.00E+00	2.22E-16	0.00E+00

SEFLi11std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	shape
NotS	6.40E-01	7.23E-01	7.94E-01	5.72E-02	7.70E-01	1.96E-02	2.22E-08	NA	0.00E+00

SEFLi22std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.50042751	0.88247621	0.80978841	0.04363048	0.64967216	0.00147865	0.03785732	1	0.72165081	NA	0

SEFLi12std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	shape
NotS	5.05E-01	8.73E-01	8.05E-01	4.48E-02	6.56E-01	6.37E-11	2.57E-12	3.30E-01	NA	0.00E+00

SEFLi21std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0.63927513	0.72387337	0.79533964	0.05696027	0.76917483	0.15814623	0.37915665	0.99999999	NA	0

SEFLc11std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	1.53E-01	7.93E-01	9.47E-01	1.77E-02	3.16E-01	5.20E-13	0.00E+00	4.18E-01	0.00E+00	1.12E-05	0.00E+00

SEFLc22std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.67286476	0.76959369	0.72759224	0.0641034	0.81794658	0.87161107	0.00075949	0.99785883	0.56758258	0	0	0.79734526	0

SEFLc12std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	4.33E-01	8.94E-01	8.14E-01	3.59E-02	5.91E-01	3.81E-01	1.55E-15	1.55E-01	0.00E+00	0.00E+00	7.45E-01	0.00E+00

SEFLc21std

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	3.00E-12	3.74E-01	9.45E-01	1.70E-02	1.44E-05	0.00E+00	0.00E+00	1.00E+00	1.86E-01	0.00E+00	1.17E-04	0.00E+00

SEFLs11nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1
NotS	0.52994556	0.52252332	0.55520346	0.00207411	0.69031224	0.10864979	0	0

SEFLs22nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	3.57E-01	5.73E-01	4.21E-01	8.26E-04	5.09E-01	0.00E+00	1.08E-13	1.00E+00	2.13E-01	0.00E+00

SEFLs12nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2
NotS	0.35721899	0.56917155	0.42140476	0.00081716	0.50949406	0	0	0.05683191	0

SEFLs21nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1
NotS	5.25E-01	5.25E-01	5.55E-01	2.08E-03	6.85E-01	2.44E-02	4.43E-07	1.00E+00	0.00E+00

SEFLe11nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1
S	1.20E-13	1.91E-02	5.50E-03	3.53E-11	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEFLe22nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	4.29E-02	7.93E-04	1.45E-13	0.00E+00	6.88E-15	4.44E-01	7.92E-02	0.00E+00	0.00E+00	0.00E+00	1.33E-15

SEFLe12nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	gamma1
S	1.86E-10	1.40E-04	3.58E-04	1.65E-10	6.10E-04	2.16E-03	3.44E-02	0.00E+00	0.00E+00	0.00E+00

SEFLe21nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	2.65E-03	7.08E-04	1.09E-10	0.00E+00	0.00E+00	5.93E-01	1.93E-01	0.00E+00	0.00E+00	0.00E+00

SEFLg11nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1
NotS	4.81E-01	5.17E-01	4.33E-01	1.10E-03	6.47E-01	5.22E-02	5.93E-10	0.00E+00	4.83E-02

SEFLg22nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	4.33E-01	7.83E-01	2.99E-01	6.04E-04	5.81E-01	0.00E+00	1.29E-07	1.00E+00	0.00E+00	0.00E+00	1.07E-02	0.00E+00

SEFLg12nor

NotS	NULL

SEFLg21nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.63465277	0.5123809	0.42227468	0.0013169	0.80198276	0.61957548	0.0016009	0.99999987	0	0.00295942	0.0117811

SEFLi11nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1
NotS	4.87E-01	5.92E-01	5.00E-01	1.99E-03	6.58E-01	2.47E-01	1.25E-08	NA

SEFLi22nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	0.74410933	0.89295525	0.4013143	0.13571382	0.81197052	0.91228198	0.05277176	0.99999997	0.95076263	NA

SEFLi12nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2
NotS	2.81E-01	6.80E-01	3.84E-01	9.35E-04	4.29E-01	9.11E-02	3.32E-09	9.16E-02	NA

SEFLi21nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1
NotS	4.98E-01	5.92E-01	5.00E-01	1.99E-03	6.66E-01	6.28E-01	3.64E-06	1.00E+00	NA

SEFLc11nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	eta11	eta21
NotS	2.39E-01	7.21E-01	5.59E-01	2.68E-03	3.86E-01	3.53E-01	7.10E-03	9.40E-01	0.00E+00	2.68E-05

SEFLc22nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	0.20515878	0.71114118	0.55225983	0.00112771	0.35216895	0.17913352	0	0.99999976	0.80421751	0.99998189	0	0

SEFLc12nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	eta11	eta21
NotS	0.2085585	0.71203553	0.55255606	0.00135355	0.35595874	0.22737028	0	0.85161706	0.99999497	0	0

SEFLc21nor

	ar1	ar2	ar3	ar4	ma1	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	4.62E-03	5.72E-01	4.61E-01	2.76E-02	1.57E-01	7.57E-01	2.30E-05	1.00E+00	9.32E-01	0.00E+00	1.92E-01

SEUTs11qed

	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	2.73E-01	4.37E-05	0.00E+00	0.00E+00

SEUTs22qed

	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0.72875857	0.02206527	0.99996516	0.71808431	0.04893786	0

SEUTs12qed

	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	5.45E-01	2.93E-02	1.65E-01	8.27E-07	0.00E+00

SEUTs21qed

	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0.16784735	0.08492735	0.99957901	0	0

SEUTe11qed

	ma1	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	2.22E-16	0.00E+00	1.17E-08	0.00E+00

SEUTe22qed

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	6.64E-05	1.68E-02	6.48E-01	0.00E+00	3.42E-03	2.02E-11	1.73E-09	0.00E+00

SEUTe12qed

	ma1	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	0.00E+00	3.04E-10	0.00E+00	0.00E+00	3.32E-04	0.00E+00

SEUTe21qed

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	1.39E-02	6.58E-01	0.00E+00	1.90E-11	1.83E-09	0.00E+00

SEUTq11qed

	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	2.61E-13	1.00E+00	0.00E+00	6.94E-07	0.00E+00

SEUTq22qed

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	2.74E-01	1.00E+00	1.00E+00	0.00E+00	1.00E+00	7.45E-10	1.62E-08	0.00E+00

SEUTq12qed

	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	1.00E+00	3.49E-02	3.10E-04	3.04E-06	0.00E+00

SEUTq21qed

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	2.01E-01	1.00E+00	1.00E+00	0.00E+00	5.79E-10	1.98E-08	0.00E+00

SEUTi11qed

	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	4.25E-01	1.14E-12	NA	0.00E+00

SEUTi22qed

	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0.22391909	0.00444635	0.99996211	0.25540475	NA	0

SEUTi12qed

	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	4.09E-01	4.44E-07	1.23E-01	NA	0.00E+00

SEUTi21qed

	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0.40555143	0.07587049	0.9999655	NA	0

SEUTc11qed

	ma1	omega	alpha1	beta1	eta11	eta21	shape
S	0.00E+00	0.00E+00	0.00E+00	1.01E-10	0.00E+00	3.42E-11	0.00E+00

SEUTc22qed

	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	1.47E-01	1.37E-03	9.88E-01	7.50E-01	6.57E-02	0.00E+00	3.77E-15	0.00E+00

SEUTc12qed

	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0.2488096	0	0.4828712	0.9999911	0	0	0

SEUTc21qed

	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	3.11E-01	9.46E-12	1.00E+00	7.93E-01	0.00E+00	0.00E+00	0.00E+00

SEUTs11std

	ma1	omega	alpha1	beta1	shape
NotS	2.81E-08	8.29E-01	7.34E-03	0.00E+00	0.00E+00

SEUTs22std

		ma1	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	3.40E-08	1.61E-04	8.95E-03	1.00E+00	3.80E-01	2.21E-04	0.00E+00					
SEUTs12std													
		ma1	omega	alpha1	beta1	beta2	shape						
	NotS	2.57E-08	2.37E-03	6.27E-12	1.18E-01	2.27E-10	0.00E+00						
SEUTs21std													
		ma1	omega	alpha1	alpha2	beta1	shape						
	NotS	1.02E-07	8.70E-01	4.41E-01	1.00E+00	1.92E-09	1.43E-06						
SEUTe11std													
		ma1	omega	alpha1	beta1	gamma1	shape						
	S	1.16E-08	0.00E+00	8.37E-10	0.00E+00	6.95E-04	0.00E+00						
SEUTe22std													
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
	NotS	3.59E-09	6.78E-04	8.45E-03	4.77E-01	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00			
SEUTe12std													
		ma1	omega	alpha1	beta1	beta2	gamma1	shape					
	NotS	1.70E-09	5.40E-01	8.16E-03	0.00E+00	0.00E+00	1.47E-01	0.00E+00					
SEUTe21std													
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	NotS	1.71E-08	0.00E+00	8.64E-03	5.02E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
SEUTg11std													
		ma1	omega	alpha1	beta1	gamma1	shape						
	NotS	2.09E-08	0.00E+00	1.00E+00	0.00E+00	9.25E-06	0.00E+00						
SEUTg22std													
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
	NotS	3.81E-08	6.93E-07	1.00E+00	1.00E+00	0.00E+00	9.99E-01	1.80E-11	1.70E-09	0.00E+00			
SEUTg12std													
		ma1	omega	alpha1	beta1	beta2	gamma1	shape					
	NotS	2.09E-08	0.00E+00	1.00E+00	1.11E-02	5.00E-04	4.20E-06	0.00E+00					
SEUTg21std													
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	NotS	4.42E-08	1.22E-08	1.00E+00	1.00E+00	0.00E+00	3.56E-12	5.25E-10	0.00E+00				
SEUTi11std													
		ma1	omega	alpha1	beta1	shape							
	NotS	2.62E-08	2.26E-01	2.05E-05	NA	0.00E+00							
SEUTi22std													
		ma1	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	3.44E-08	2.30E-02	1.47E-02	1.00E+00	4.66E-01	NA	0.00E+00					
SEUTi12std													
		ma1	omega	alpha1	beta1	beta2	shape						
	NotS	2.61E-08	1.99E-02	4.12E-10	1.28E-01	NA	0.00E+00						
SEUTi21std													
		ma1	omega	alpha1	alpha2	beta1	shape						
	NotS	5.32E-08	3.61E-01	1.17E-01	1.00E+00	NA	0.00E+00						
SEUTc11std													
		ma1	omega	alpha1	beta1	eta11	eta21	shape					
	S	1.26E-10	0.00E+00	0.00E+00	5.03E-07	0.00E+00	5.40E-07	0.00E+00					
SEUTc22std													
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape			
	NotS	3.21E-08	4.60E-01	3.34E-06	9.98E-01	8.58E-11	0.00E+00	0.00E+00	2.07E-01	0.00E+00			
SEUTc12std													
		ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape				
	NotS	7.84E-11	8.86E-02	1.09E-14	1.25E-01	1.00E+00	0.00E+00	2.69E-07	0.00E+00				
SEUTc21std													
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape				
	NotS	1.51E-10	2.43E-02	0.00E+00	1.00E+00	4.42E-01	0.00E+00	0.00E+00	0.00E+00				
SEUTs11nor													
		ma1	omega	alpha1	beta1								
	NotS	6.29E-03	1.78E-01	1.94E-07	0.00E+00								
SEUTs22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2						
	NotS	0.00676773	0.11257479	0.07617738	0.99999823	0.59227729	0.23461113						
SEUTs12nor													
		ma1	omega	alpha1	beta1	beta2							
	NotS	5.64E-03	1.08E-01	1.47E-08	3.87E-02	4.91E-06							
SEUTs21nor													
		ma1	omega	alpha1	alpha2	beta1							
	NotS	0.00548489	0.24863675	0.0142748	0.99999814	0							
SEUTe11nor													
		ma1	omega	alpha1	beta1	gamma1							
	S	0.00013644	0	0	0	0							
SEUTe22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	2.22E-03	0.00E+00	4.79E-03	9.23E-01	0.00E+00	0.00E+00	6.80E-11	6.46E-07				
SEUTe12nor													
		ma1	omega	alpha1	beta1	beta2	gamma1						
	S	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-11						
SEUTe21nor													
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	9.00E-05	0.00E+00	7.38E-03	8.81E-01	0.00E+00	3.49E-10	1.02E-07					
SEUTg11nor													
		ma1	omega	alpha1	beta1	gamma1							
	NotS	2.52E-03	0.00E+00	1.00E+00	0.00E+00	2.10E-13							
SEUTg22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	2.65E-03	1.47E-08	1.00E+00	1.00E+00	0.00E+00	1.36E-03	5.17E-06	6.13E-04				
SEUTg12nor													
		ma1	omega	alpha1	beta1	beta2	gamma1						
	NotS	2.13E-03	0.00E+00	1.00E+00	2.34E-03	7.55E-11	3.51E-11						
SEUTg21nor													
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	2.54E-03	1.86E-05	1.00E+00	1.00E+00	0.00E+00	9.68E-06	6.07E-04					
SEUTi11nor													
		ma1	omega	alpha1	beta1								
	NotS	5.50E-03	6.34E-01	3.50E-07	NA								
SEUTi22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2						
	NotS	0.00632904	0.0033024	0.00090392	0.99999744	0.00591432	NA						
SEUTi12nor													
		ma1	omega	alpha1	beta1	beta2							
	NotS	6.04E-03	4.05E-01	1.09E-08	2.08E-03	NA							
SEUTi21nor													
		ma1	omega	alpha1	alpha2	beta1							
	NotS	0.00554409	0.6044627	0.01426576	0.99999965	NA							
SEUTc11nor													
		ma1	omega	alpha1	beta1	eta11	eta21						
	NotS	1.26E-03	6.99E-01	1.41E-05	0.00E+00	0.00E+00	4.17E-06						
SEUTc22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21				
	NotS	6.44E-03	4.65E-01	1.60E-04	6.27E-01	0.00E+00	0.00E+00	0.00E+00	2.57E-07				
SEUTc12nor													
		ma1	omega	alpha1	beta1	beta2	eta11	eta21					
	NotS	0.00387107	0.92405028	0.00059329	0.38313336	0.24917576	0	0.15952954					
SEUTc21nor													
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21					
	NotS	3.56E-03	4.89E-01	3.05E-09	5.05E-01	0.00E+00	0.00E+00	1.22E-07					
SETRs11ged													
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape			
	NotS	0	0	0	0	0	0.5507515	0.0236618	0	0			
SETRs22ged													
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape	
	NotS	0.00E+00	3.50E-01	0.00E+00	0.00E+00	0.00E+00	3.22E-05	3.49E-04	1.00E+00	6.20E-01	2.89E-09	0.00E+00	
SETRs12ged													
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape		
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-10	7.66E-05	1.28E-08	2.92E-01	0.00E+00	0.00E+00		
SETRs21ged													
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape		
	NotS	0	0	0	0	0	0.62264437	0.04808208	0.99999984	0	0		
SETRe11ged													
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape		
	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-11	0.00E+00	0.00E+00	0.00E+00		
SETRe22ged													
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	1.04E-02	8.41E-01	0.00E+00	9.41E-08	0.00E+00	2.22E-14	0.00E+00
SETRe12ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-01	1.70E-05	0.00E+00	0.00E+00	8.70E-03	0.00E+00		
SETRe21ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
	NotS	0	0.00022733	0	0	0	0	0.01046061	0.77562276	0	0	0	0	0
SETRg11ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00	0.00E+00	2.19E-06	0.00E+00			
SETRg22ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
	NotS	0	0	0	0	0	0.6240286	0.9999983	1	0	0.9999921	0	0	0
SETRg12ged														
	NotS	NULL												
SETRg21ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
	NotS	0	0	0	0	0	0.1217615	0.9999637	0.9999943	0	0	0	0	
SETRi11ged														
	NotS	NULL												
SETRi22ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
	NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-01	1.25E-05	1.00E+00	3.27E-01	NA	0.00E+00		
SETRi12ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape			
	NotS	0	0	0	0	0	0.4381527	0.00011668	0.17316841	NA	0			
SETRi21ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
	NotS	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	3.63E-01	4.56E-02	1.00E+00	NA	0.00E+00			
SETRc11ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
	NotS	0.00E+00	3.57E-09	3.30E-10	0.00E+00	0.00E+00	5.05E-01	0.00E+00	1.02E-01	0.00E+00	2.11E-02	0.00E+00		
SETRc22ged														
		ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
	NotS	0.00E+00	1.22E-05	6.66E-09	0.00E+00	5.25E-06	3.41E-01	0.00E+00	1.00E+00	8.29E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SETRc12ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	1.92E-07	3.16E-08	0.00E+00	1.19E-10	4.71E-01	2.86E-01	4.39E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SETRc21ged

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0	0	0	0	0	0.2294635	0	0.9998613	0.7231643	0	0	0

SETRs11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	1.24E-04	4.74E-02	5.32E-01	1.10E-03	4.57E-02	2.45E-03	2.31E-12	0.00E+00	0.00E+00

SETRs22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	5.18E-05	0.00E+00	3.27E-02	0.00E+00	8.12E-05	1.00E+00	8.08E-01	1.57E-09	0.00E+00

SETRs12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-08	2.94E-01	0.00E+00	0.00E+00

SETRs21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.41521937	0.75352403	0.16875776	0.27512271	0.69584495	0.06311209	0.28954763	1	0	0

SETRe11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	5.60E-14	5.77E-01	4.72E-02	0.00E+00	8.44E-01	0.00E+00	8.21E-06	0.00E+00	5.60E-06	0.00E+00

SETRe22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	6.46E-03	8.28E-03	1.82E-05	1.14E-11	0.00E+00	0.00E+00	1.05E-02	6.36E-01	0.00E+00	0.00E+00	4.28E-05	5.26E-05	0.00E+00

SETRe12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.01285227	0.0991699	0.004777	0.00069485	0.04667016	0.03395787	0.00084207	0	0	0.03131864	0

SETRe21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	1.20E-02	7.32E-01	0.00E+00	6.33E-05	8.53E-05	0.00E+00

SETRq11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	7.24E-03	2.60E-01	7.60E-01	2.36E-02	2.45E-01	0.00E+00	1.00E+00	0.00E+00	1.47E-05	0.00E+00

SETRq22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.05282455	0.96109983	0.03860574	0.01252473	0.50664709	0	0.99999955	1	0	0.99997534	0	0	0

SETRq12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	2.31E-04	2.04E-01	7.82E-01	2.03E-03	2.16E-01	0.00E+00	1.59E-01	1.48E-01	6.13E-12	1.24E-05	0.00E+00

SETRq21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	5.92E-02	9.77E-01	5.83E-02	1.46E-02	5.62E-01	8.02E-12	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SETRi11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
NotS	4.04E-01	7.48E-01	1.63E-01	2.64E-01	7.01E-01	7.88E-02	3.80E-08	NA	0.00E+00

SETRi22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	2.54E-04	6.35E-02	5.72E-01	2.27E-03	7.11E-02	9.55E-15	1.70E-05	1.00E+00	8.38E-01	NA	0.00E+00

SETRi12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	2.56E-04	6.29E-02	5.71E-01	2.28E-03	6.99E-02	2.54E-07	1.09E-11	7.68E-01	NA	0.00E+00

SETRi21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.4266653	0.7581405	0.17258	0.2848363	0.6929022	0.2336414	0.2450733	1	NA	0

SETRc11std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.3013329	0.72333964	0.09856298	0.14691249	0.57098419	0.28433734	0.00188108	0.07645049	0	0.00198128	0

SETRc22std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	3.17E-01	7.63E-01	1.23E-01	1.77E-01	6.67E-01	7.21E-01	0.00E+00	9.72E-01	8.29E-01	2.66E-15	0.00E+00	2.31E-02	0.00E+00

SETRc12std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	4.67E-04	1.94E-02	4.23E-01	3.77E-03	1.83E-02	3.93E-06	1.22E-07	1.32E-01	1.00E+00	0.00E+00	3.96E-02	0.00E+00

SETRc21std

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	2.92E-01	7.27E-01	9.35E-02	1.40E-01	5.67E-01	5.18E-07	0.00E+00	1.00E+00	5.75E-01	0.00E+00	1.92E-10	0.00E+00

SETRs11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1
NotS	1.56E-08	1.16E-05	2.74E-03	1.03E-10	9.47E-10	1.26E-01	3.70E-11	0.00E+00

SETRs22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	3.79E-07	6.19E-04	0.00E+00	3.27E-12	2.26E-04	2.16E-09	1.00E+00	1.91E-01	0.00E+00

SETRs12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2
S	0.00E+00	3.74E-07	6.20E-04	0.00E+00	3.01E-12	1.91E-03	0.00E+00	4.44E-02	0.00E+00

SETRs21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	3.08E-09	1.20E-05	2.33E-03	1.20E-11	1.21E-09	1.68E-01	8.79E-04	1.00E+00	0.00E+00

SETRe11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1
S	0.00E+00	0.00E+00	9.40E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SETRe22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	9.59E-03	9.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SETRe12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	3.49E-10	4.33E-12	0.00E+00	0.00E+00	7.77E-15

SETRe21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0	0	0.05159859	0	0	0	0.00778669	0.42752302	0	0	0

SETRq11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	3.78E-05	1.38E-06	1.19E-05	3.40E-06	5.13E-12	9.81E-11	2.71E-01	0.00E+00	8.81E-13

SETRq22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	2.62E-05	6.12E-04	0.00E+00	2.43E-08	7.26E-02	4.84E-01	9.98E-01	0.00E+00	2.15E-02	1.65E-07	1.54E-05

SETRq12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
S	0.00E+00	2.41E-05	4.71E-04	0.00E+00	1.96E-08	0.00E+00	1.62E-06	1.24E-02	0.00E+00	2.76E-07

SETRq21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	2.11E-04	6.05E-04	0.00E+00	8.34E-07	4.01E-01	5.58E-01	1.00E+00	0.00E+00	2.41E-09	1.10E-06

SETRi11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1
NotS	7.24E-14	2.52E-07	6.00E-04	0.00E+00	1.48E-12	7.39E-01	5.66E-05	NA

SETRi22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00E+00	3.56E-07	4.28E-04	0.00E+00	3.14E-12	4.27E-01	9.26E-09	1.00E+00	6.29E-05	NA

SETRi12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2
NotS	0.00E+00	8.42E-08	4.38E-04	0.00E+00	1.05E-13	7.88E-01	4.80E-02	4.06E-12	NA

SETRi21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	3.62E-12	9.08E-07	7.55E-04	1.55E-15	1.55E-11	6.28E-01	1.19E-03	1.00E+00	NA

SETRc11nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	5.41E-12	0.00E+00	2.68E-07	2.22E-15	0.00E+00	1.16E-01	0.00E+00	5.90E-01	0.00E+00	0.00E+00

SETRc22nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	0.00E+00	9.14E-12	3.68E-06	0.00E+00	0.00E+00	6.83E-01	1.87E-01	1.00E+00	9.88E-01	1.00E+00	0.00E+00	0.00E+00

SETRc12nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	7.86E-12	4.66E-15	1.80E-05	1.55E-15	0.00E+00	5.92E-09	0.00E+00	6.40E-01	1.00E+00	0.00E+00	1.12E-09

SETRc21nor

	ar1	ar2	ar3	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	2.70E-11	1.28E-12	9.80E-06	5.55E-15	0.00E+00	4.85E-02	0.00E+00	1.00E+00	5.27E-01	0.00E+00	1.38E-12

SEMOs11ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	2.63E-05	4.98E-12	0.00E+00	0.00E+00	1.43E-03	3.08E-01	4.95E-10	0.00E+00	0.00E+00

SEMOs22ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-13	0.00E+00	9.27E-02	2.80E-02	1.00E+00	3.73E-01	2.50E-05	0.00E+00

SEMOs12ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-01	3.12E-05	1.48E-01	8.88E-14	0.00E+00

SEMOs21ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.4384751	0	0	0	0.237205	0.155642	1	0	0

SEMOe11ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-08	0.00E+00	1.05E-03	0.00E+00

SEMOe22ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-02	6.52E-01	0.00E+00	0.00E+00	6.66E-16	5.46E-12	0.00E+00

SEMOe12ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-02	4.52E-08	0.00E+00	0.00E+00	6.61E-12	0.00E+00

SEMOe21ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	4.44E-16	0.00E+00	4.53E-04	0.00E+00	3.18E-10	0.00E+00	0.00E+00	4.53E-02	5.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEMOg11ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-01	1.61E-05	0.00E+00	7.07E-02	0.00E+00

SEMOg22ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0	0	0	0	0	0.4869982	0.7371946	0.9992833	0	0	0	0	0	0

SEMOg12ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0	0	0	0	0	0	0.41924144	0.78910977	0.0882858	0	0.00177404	0

SEMOg21ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-10	0.00E+00	7.33E-01	7.93E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEMOi11ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-01	6.08E-13	NA	0.00E+00

SEMOi22ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0	0	0	0	0	0.04334645	0.03790457	0.99597343	0.35661674	NA	0

SEMOi12ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-01	7.30E-08	1.52E-01	NA	0.00E+00

SEMOi21ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0	0	0.4357074	0.1474714	0.9999932	NA	0

SEMOc11ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	0.00E+00	1.28E-05	2.42E-05	0.00E+00	9.03E-01	2.04E-03	8.87E-01	0.00E+00	4.18E-01	5.86E-10

SEMOc22ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0	0	0	0	0	0	0	0.3083416	0	0.9999752	0.7053513	0.9999602	0	0	0

SEMOc12ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0	0	0	0	0	0	0.3818513	0	0.474655	0.9993509	0	0	0

SEMOc21ged

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	5.25E-09	0.00E+00	0.00E+00	2.22E-15	0.00E+00	0.00E+00	2.09E-01	2.19E-11	1.00E+00	8.01E-01	0.00E+00	5.06E-08	0.00E+00

SEMOs11std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	2.50E-03	4.83E-05	0.00E+00	0.00E+00	2.72E-01	7.08E-07	0.00E+00	0.00E+00

SEMOs22std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.00360212	0.00014681	0	0	0.63951172	0.06741668	0.99999992	0.63303219	0.01219589	0

SEMOs12std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	3.34E-03	1.06E-04	0.00E+00	0.00E+00	5.80E-01	1.45E-03	1.49E-01	2.98E-09	0.00E+00

SEMOs21std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.00263518	5.0146E-05	0	0	0.1505335	0.23933032	0.99999862	0	0

SEMOe11std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	2.79E-06	9.11E-07	2.50E-11	0.00E+00	0.00E+00	3.05E-04	0.00E+00	5.50E-04	0.00E+00

SEMOe22std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0.0008054	0.00100616	0	0	0.00608603	0.00132843	0.30275041	0	0.004075	0	0	0

SEMOe12std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0	0.09603894	0.01197842	0	0	0.13621372	0.00870066	0	0	0.01728928	0

SEMOe21std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0	0	0.00084737	0.00051935	0	0	0	0.02038048	0.35742605	0	0	0	0

SEMOg11std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	8.56E-03	1.19E-04	0.00E+00	0.00E+00	1.90E-03	8.52E-01	0.00E+00	1.14E-07	0.00E+00

SEMOg22std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	9.86E-07	5.11E-15	6.06E-03	2.79E-04	9.37E-05	1.01E-12	1.89E-01	8.35E-01	1.00E+00	0.00E+00	9.86E-01	0.00E+00	0.00E+00	0.00E+00

SEMOg12std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	1.50E-02	2.07E-04	0.00E+00	0.00E+00	1.04E-11	6.97E-01	6.22E-02	0.00E+00	2.12E-07	0.00E+00

SEMOg21std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	1.37E-06	1.11E-14	6.10E-03	2.86E-04	1.17E-04	2.12E-12	3.31E-01	8.35E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SEMOi11std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	2.41E-03	4.80E-05	0.00E+00	0.00E+00	3.26E-01	1.18E-05	NA	0.00E+00

SEMOi22std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	2.97E-03	8.12E-05	0.00E+00	0.00E+00	4.72E-01	9.70E-05	1.00E+00	6.93E-01	NA	0.00E+00

SEMOi12std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0	0	0.0032001	0.00010498	0	0	0.31611381	0.00045687	0.16460376	NA	0

SEMOi21std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0.00E+00	0.00E+00	2.53E-03	4.92E-05	0.00E+00	0.00E+00	2.88E-01	1.54E-01	1.00E+00	NA	0.00E+00

SEMOc11std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.70E-04	9.89E-05	0.00E+00	0.00E+00	4.73E-01	1.86E-08	3.49E-01	0.00E+00	1.09E-05	0.00E+00

SEMOc22std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.45E-04	9.00E-05	0.00E+00	0.00E+00	2.02E-01	0.00E+00	1.00E+00	5.18E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEMOc12std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.44E-04	8.96E-05	0.00E+00	0.00E+00	4.16E-01	0.00E+00	3.45E-01	1.00E+00	0.00E+00	1.67E-10	0.00E+00

SEMOc21std

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	1.45E-04	9.11E-05	0.00E+00	0.00E+00	2.01E-01	0.00E+00	1.00E+00	4.11E-01	0.00E+00	0.00E+00	0.00E+00

SEMOs11nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1
NotS	0.00E+00	0.00E+00	2.03E-01	2.87E-03	0.00E+00	0.00E+00	3.82E-01	5.16E-09	0.00E+00

SEMOs22nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00014997	0	0.30415545	0.00350165	0.00132202	0	0.59733686	0	0.99999827	0.27436723	0

SEMOs12nor

NotS NULL

SEMOs21nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0	0	0.20331982	0.0027617	0	0	0.43230203	0.05042135	0.99999966	0

SEMOe11nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1
S	0.00E+00	0.00E+00	1.05E-02	7.88E-11	0.00E+00	0.00E+00	0.00E+00	5.24E-12	0.00E+00	0.00E+00

SEMOe22nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.00E+00	0.00E+00	1.49E-01	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	3.79E-01	0.00E+00	0.00E+00	1.33E-15	9.34E-12

SEMOe12nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	4.64E-01	0.00E+00	7.80E-01	1.77E-03	2.76E-01	0.00E+00	0.00E+00	4.82E-12	0.00E+00	0.00E+00	5.33E-15

SEMOe21nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.00E+00	0.00E+00	3.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-12	1.71E-06	0.00E+00	4.44E-16	7.59E-14

SEMOg11nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1
NotS	4.08E-01	5.94E-03	4.83E-01	9.00E-03	5.46E-01	7.01E-03	2.10E-01	8.17E-01	0.00E+00	2.78E-06

SEMOg22nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	0.32763974	0.0002235	0.40965563	0.00267752	0.46685113	0.00017915	0.26454218	0.85083518	0.99769832	0	0	0	0

SEMOg12nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
NotS	7.02E-01	1.42E-01	5.84E-01	1.21E-02	7.68E-01	1.35E-01	1.82E-01	1.00E+00	3.39E-02	0.00E+00	8.56E-07

SEMOg21nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	2.80E-01	1.15E-04	3.72E-01	2.57E-03	4.17E-01	8.68E-05	3.48E-01	8.42E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00

SEMOi11nor

NotS NULL

SEMOi22nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2
NotS	0.00028476	0	0.32825765	0.00377882	0.00211351	0	0.56028729	0.02558783	0.99999979	0.26368577	NA

SEMOi12nor

NotS NULL

SEMOi21nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1
NotS	0	0	0.22024857	0.00265189	0	0	0.65627822	0.03853428	0.99999958	NA

SEMOc11nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	eta11	eta21
NotS	0.00E+00	0.00E+00	2.77E-01	3.49E-04	4.51E-07	0.00E+00	2.47E-01	1.41E-11	6.02E-01	0.00E+00	0.00E+00

SEMOc22nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	0.00E+00	0.00E+00	2.74E-01	3.14E-04	1.01E-05	0.00E+00	1.85E-01	0.00E+00	1.00E+00	8.12E-01	1.00E+00	0.00E+00	0.00E+00

SEMOc12nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	0.00E+00	0.00E+00	2.75E-01	3.19E-04	1.45E-06	0.00E+00	2.45E-01	0.00E+00	5.85E-01	1.00E+00	0.00E+00	0.00E+00

SEMOc21nor

	ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	0.00E+00	0.00E+00	2.74E-01	3.39E-04	1.57E-06	0.00E+00	1.97E-01	0.00E+00	1.00E+00	8.00E-01	0.00E+00	0.00E+00

SEOGs11ged

NotS NULL

SEOGs22ged

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-01	1.50E-05	9.99E-01	2.48E-03	0.00E+00	0.00E+00

SEOGs12ged

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-01	3.25E-07	2.01E-03	0.00E+00	0.00E+00

SEOGs21ged

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0	0	0.9815016	0.8657507	0.9999957	0	0.3103804

SEOGe11ged

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-11	0.00E+00	3.10E-06	0.00E+00

SEOGe22ged

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	8.50E-02	9.56E-01	0.00E+00	0.00E+00	0.00E+00	2.89E-15	0.00E+00

SEOGe12ged

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	0.00E+00	0.00E+00	5.83E-08	0.00E+00

SEOGe21ged

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-02	9.31E-01	0.00E+00	0.00E+00	8.44E-15	0.00E+00

SEOGg11ged

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
NotS	0	0	0	0	0.5787666	0.9998579	0	0	0

SEOGg22ged

NotS NULL

SEOGg12ged

	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-01	9.12E-01	1.35E-02	0.00E+00	3.68E-07	0.00E+00

SEOGg21ged

	ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape

5040		NotS	0	0	0	0	0.7416151	0.9999978	0.9999984	0	0	0	0	
5041	SEOGi11ged													
5042			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5043		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-01	4.07E-11	NA	0.00E+00				
5044	SEOGi22ged													
5045			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5046		NotS	0	0	0	0	0.394445	0.00390003	0.99994232	0.16692477	NA	0		
5047	SEOGi12ged													
5048			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5049		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-01	1.05E-06	1.04E-01	NA	0.00E+00			
5050	SEOGi21ged													
5051			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5052		NotS	0	0	0	0	0.4937957	0.1392343	0.9998644	NA	0			
5053	SEOGc11ged													
5054			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
5055		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-01	1.26E-07	6.43E-01	0.00E+00	0.00E+00	0.00E+00		
5056	SEOGc22ged													
5057			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5058		NotS	0	0	0	0	0.6760995	0	0.9972399	0.8309188	0.9967931	0	0	0
5059	SEOGc12ged													
5060			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5061		NotS	0	0	0	0	0.7047184	0	0.6368626	0.9894001	0	0	0	
5062	SEOGc21ged													
5063			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5064		NotS	0.00E+00	7.51E-14	0.00E+00	3.76E-06	6.60E-01	1.28E-10	9.89E-01	8.13E-01	0.00E+00	0.00E+00	0.00E+00	
5065	SEOGs11std													
5066			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5067		NotS	0.71871948	0.86072174	0.90584251	0.97490779	0.54178797	0.00044873	0	0				
5068	SEOGs22std													
5069			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5070		NotS	6.83E-01	9.36E-01	8.75E-01	9.33E-01	4.52E-01	6.23E-05	1.00E+00	1.06E-02	0.00E+00	0.00E+00		
5071	SEOGs12std													
5072			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5073		NotS	0.71157389	0.89798861	0.91330126	0.96679775	0.67267627	0.06028892	0.010389	0	0			
5074	SEOGs21std													
5075			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5076		NotS	0.72188467	0.85638532	0.91028518	0.97126388	0.50095268	0.00055322	0.99999699	0	0			
5077	SEOGe11std													
5078			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5079		S	0.00E+00	7.18E-09	0.00E+00	7.73E-05	0.00E+00	5.84E-05	0.00E+00	8.98E-03	0.00E+00			
5080	SEOGe22std													
5081			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5082		NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	3.37E-03	7.81E-01	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00
5083	SEOGe12std													
5084			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5085		NotS	0.42285626	0.53323701	0.71068867	0.71355147	0.08087442	0.00288806	0	0	0.27954437	0		
5086	SEOGe21std													
5087			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5088		NotS	0	0	0	0	0	0.00092164	0.74005552	0	0	0	0	
5089	SEOGg11std													
5090			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5091		NotS	0.71239582	0.87788072	0.89751193	0.98716342	0.76190515	0.99997962	0	0.01666688	0			
5092	SEOGg22std													
5093			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5094		NotS	0	0	0	0	0.2208221	0	0	0	0	0	0	0
5095	SEOGg12std													
5096			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5097		NotS	0.6901059	0.96937814	0.88087696	0.89546609	0.57439397	0.99999195	0.03191709	0	0.00895815	0		
5098	SEOGg21std													
5099			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5100		NotS	6.41E-01	9.47E-01	8.04E-01	8.41E-01	5.33E-01	1.00E+00	1.00E+00	0.00E+00	6.27E-09	6.26E-07	0.00E+00	
5101	SEOGi11std													
5102			ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5103		NotS	7.20E-01	8.58E-01	9.08E-01	9.73E-01	3.84E-01	1.52E-05	NA	0.00E+00				
5104	SEOGi22std													
5105			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5106		NotS	0.70461315	0.90607097	0.90416457	0.96045129	0.47801641	0.00185249	0.99999999	0.05174315	NA	0		
5107	SEOGi12std													
5108			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5109		NotS	0.7039895	0.9079269	0.9023141	0.959105	0.7644375	0.2418858	0.1082539	NA	0			
5110	SEOGi21std													
5111			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5112		NotS	0.7320235	0.8457584	0.9243392	0.9635217	0.3348169	0.1831124	0.9999992	NA	0			
5113	SEOGc11std													
5114			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
5115		NotS	2.24E-02	9.12E-01	3.66E-01	6.56E-01	3.64E-01	1.89E-12	6.07E-01	0.00E+00	3.11E-10	0.00E+00		
5116	SEOGc22std													
5117			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5118		NotS	0.6449913	0.9766211	0.8525439	0.8535017	0.5113689	0	0.9999996	0.7512426	0.9999992	0	0	0
5119	SEOGc12std													
5120			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5121		NotS	0.6624109	0.9920598	0.8688298	0.8709989	0.5938595	0	0.6005327	0.9999773	0	0	0	
5122	SEOGc21std													
5123			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5124		NotS	6.44E-01	9.74E-01	8.50E-01	8.51E-01	5.38E-01	6.23E-12	1.00E+00	7.01E-01	0.00E+00	0.00E+00	0.00E+00	
5125	SEOGs11nor													
5126			ar1	ar2	ma1	ma2	omega	alpha1	beta1					
5127		NotS	0.89509185	0.87739381	0.93191996	0.88762492	0.69448298	0.00656115	0					
5128	SEOGs22nor													
5129			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
5130		NotS	8.29E-01	1.12E-01	4.48E-01	9.48E-02	5.58E-01	1.51E-08	1.00E+00	6.88E-08	0.00E+00			
5131	SEOGs12nor													
5132			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2				
5133		NotS	0.81950035	0.08321334	0.43600788	0.06782746	0.64104486	0.01316028	0.00588052	0				
5134	SEOGs21nor													
5135			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1				
5136		NotS	0.02007273	0.17271556	0.0058569	0.38183696	0.68486193	0.00415682	0.99999861	0				
5137	SEOGe11nor													
5138			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1				
5139		S	1.28E-03	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
5140	SEOGe22nor													
5141			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
5142		NotS	8.04E-03	0.00E+00	3.55E-08	0.00E+00	1.04E-03	0.00E+00	7.68E-02	0.00E+00	0.00E+00	2.22E-16	2.50E-11	
5143	SEOGe12nor													
5144			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
5145		S	5.37E-08	0.00E+00	2.22E-16	0.00E+00	0.00E+00	8.88E-16	0.00E+00	0.00E+00	0.00E+00			
5146	SEOGe21nor													
5147			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
5148		S	7.29E-03	0.00E+00	2.08E-10	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	1.55E-15	5.31E-11		
5149	SEOGg11nor													
5150			ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1				
5151		NotS	8.44E-01	9.21E-01	9.06E-01	9.04E-01	4.38E-01	9.99E-01	0.00E+00	1.48E-07				
5152	SEOGg22nor													
5153			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
5154		NotS	0.94276604	0.63598571	0.72605414	0.6188465	0.73355598	0.64187173	0.99999933	0.00034806	0	0.00039669	0.59709385	
5155	SEOGg12nor													
5156			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
5157		NotS	8.75E-01	3.14E-01	5.64E-01	2.86E-01	3.81E-01	5.58E-01	4.90E-05	0.00E+00	2.12E-07			
5158	SEOGg21nor													
5159			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
5160		NotS	8.86E-01	9.37E-01	9.30E-01	9.42E-01	4.81E-01	1.00E+00	1.00E+00	0.00E+00	2.24E-09	2.93E-06		
5161	SEOGi11nor													
5162			ar1	ar2	ma1	ma2	omega	alpha1	beta1					
5163		NotS	0.91335521	0.99418459	0.99282472	0.97909695	0.73103381	0.00012584	NA					
5164	SEOGi22nor													
5165			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
5166		NotS	8.66E-01	1.49E-01	4.84E-01	1.32E-01	5.35E-01	3.03E-06	1.00E+00	1.87E-04	NA			
5167	SEOGi12nor													
5168			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2				
5169		NotS	0.8651597	0.2728598	0.4867645	0.2442656	0.9396196	0.5231137	0.2670169	NA				
5170	SEOGi21nor													
5171			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1				
5172		NotS	0.9104394	0.89677605	0.93803483	0.89703359	0.63206177	0.0065047	1	NA				
5173	SEOGc11nor													
5174			ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21			
5175		NotS	9.17E-01	6.72E-01	7.73E-01	6.74E-01	5.83E-06	2.43E-10	6.02E-01	0.00E+00	0.00E+00			
5176	SEOGc22nor													
5177			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	
5178		NotS	8.13E-01	6.91E-01	9.66E-01	7.07E-01	1.14E-06	0.00E+00	1.00E+00	8.69E-01	1.00E+00	0.00E+00	0.00E+00	
5179	SEOGc12nor													
5180			ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21		
5181		NotS	1.07E-04	5.21E-03	1.39E-07	3.47E-01	5.76E-01	1.80E-09	3.10E-01	1.00E+00	0.00E+00	5.69E-06		
5182	SEOGc21nor													
5183			ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21		
5184		NotS	7.02E-01	6.16E-01	8.80E-01	7.65E-01	2.80E-07	4.38E-10	1.00E+00	8.91E-01	0.00E+00	3.72E-13		
5185	SEOEs11ged													
5186			ma1	omega	alpha1	beta1	shape							
5187		NotS	4.44E-16	5.52E-01	1.22E-09	0.00E+00	0.00E+00							
5188	SEOEs22ged													
5189			ma1	omega	alpha1	alpha2	beta1	beta2	shape					
5190		NotS	0.00E+00	2.24E-01	5.37E-05	1.00E+00	2.20E-03	0.00E+00	0.00E+00					
5191	SEOEs12ged													
5192			ma1	omega	alpha1	beta1	beta2	shape						
5193		NotS	0.00E+00	2.99E-01	4.08E-05	1.69E-03	0.00E+00	0.00E+00						
5194	SEOEs21ged													
5195			ma1	omega	alpha1	alpha2	beta1	shape						
5196		NotS	0	0.6048605	0.1511099	0.9999957	0	0						
5197	SEOEe11ged													
5198			ma1	omega	alpha1	beta1	gamma1	shape						
5199		S	0	0	0.0004628	0	0	0						
5200	SEOEe22ged													
5201			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
5202		NotS	0	0.04523857	0.32751649	0.07998091	0	0.05862718	0	0	0			
5203	SEOEe12ged													
5204			ma1	omega	alpha1	beta1	beta2	gamma1	shape					
5205		S	0.00E+00	1.10E-06	1.27E-02	0.00E+00	0.00E+00	9.79E-11	0.00E+00					
5206	SEOEe21ged													
5207			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				

5208		NotS	0.00E+00	0.00E+00	3.17E-01	6.19E-02	0.00E+00	0.00E+00	6.66E-16	0.00E+00	
5209	SEOEg11ged										
5210			ma1	omega	alpha1	beta1	gamma1	shape			
5211		NotS	0.00E+00	9.30E-01	3.83E-01	0.00E+00	1.33E-01	2.06E-09			
5212	SEOEg22ged										
5213			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5214		NotS	0.00E+00	2.14E-10	4.19E-01	1.00E+00	0.00E+00	0.00E+00	1.07E-05	2.59E-05	0.00E+00
5215	SEOEg12ged										
5216			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
5217		NotS	0	0.26395162	0	0.00258893	0	0.30448531	0		
5218	SEOEg21ged										
5219			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5220		NotS	0.00E+00	5.95E-01	4.42E-01	9.98E-01	0.00E+00	2.01E-07	6.87E-07	0.00E+00	
5221	SEOEi11ged										
5222			ma1	omega	alpha1	beta1	shape				
5223		NotS	3.34E-13	4.44E-01	3.16E-12	NA	0.00E+00				
5224	SEOEi22ged										
5225			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
5226		NotS	0	0.33894364	0.00333277	0.99999444	0.21635028	NA	0		
5227	SEOEi12ged										
5228			ma1	omega	alpha1	beta1	beta2	shape			
5229		NotS	0.00E+00	4.38E-01	1.09E-05	1.40E-01	NA	0.00E+00			
5230	SEOEi21ged										
5231			ma1	omega	alpha1	alpha2	beta1	shape			
5232		NotS	0	0.4192366	0.1263124	0.9999975	NA	0			
5233	SEOEc11ged										
5234			ma1	omega	alpha1	beta1	eta11	eta21	shape		
5235		NotS	8.68E-14	0.00E+00	0.00E+00	6.50E-01	0.00E+00	0.00E+00	0.00E+00		
5236	SEOEc22ged										
5237			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5238		NotS	8.15E-14	1.34E-11	1.48E-10	1.00E+00	8.21E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00
5239	SEOEc12ged										
5240			ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5241		NotS	8.70E-14	3.62E-13	1.13E-09	6.56E-01	9.99E-01	0.00E+00	0.00E+00	0.00E+00	
5242	SEOEc21ged										
5243			ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5244		NotS	0.00E+00	8.46E-01	3.52E-02	1.00E+00	9.29E-01	0.00E+00	5.40E-06	0.00E+00	
5245	SEOEs11std										
5246			ma1	omega	alpha1	beta1	shape				
5247		NotS	3.11E-08	5.13E-01	7.00E-05	0.00E+00	0.00E+00				
5248	SEOEs22std										
5249			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
5250		NotS	9.88E-09	3.51E-01	8.64E-04	1.00E+00	4.56E-04	0.00E+00	0.00E+00		
5251	SEOEs12std										
5252			ma1	omega	alpha1	beta1	beta2	shape			
5253		NotS	3.62E-09	4.32E-01	1.56E-04	4.08E-04	0.00E+00	0.00E+00			
5254	SEOEs21std										
5255			ma1	omega	alpha1	alpha2	beta1	shape			
5256		NotS	2.96E-08	5.04E-01	1.65E-02	1.00E+00	0.00E+00	2.13E-12			
5257	SEOEe11std										
5258			ma1	omega	alpha1	beta1	gamma1	shape			
5259		S	3.43E-08	3.64E-08	0.00E+00	0.00E+00	1.98E-04	0.00E+00			
5260	SEOEe22std										
5261			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5262		NotS	1.98E-10	2.84E-01	1.93E-01	4.15E-02	0.00E+00	2.58E-01	0.00E+00	0.00E+00	0.00E+00
5263	SEOEe12std										
5264			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
5265		NotS	1.84E-08	2.85E-01	7.96E-03	0.00E+00	0.00E+00	1.65E-07	0.00E+00		
5266	SEOEe21std										
5267			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5268		NotS	1.62E-10	0.00E+00	1.93E-01	4.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
5269	SEOEg11std										
5270			ma1	omega	alpha1	beta1	gamma1	shape			
5271		NotS	5.40E-10	8.88E-01	3.95E-01	0.00E+00	5.24E-06	1.95E-02			
5272	SEOEg22std										
5273			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5274		NotS	1.10E-09	6.48E-01	1.38E-01	1.00E+00	0.00E+00	0.00E+00	1.48E-08	2.62E-12	1.56E-10
5275	SEOEg12std										
5276			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
5277		NotS	5.25E-09	2.91E-01	1.75E-14	3.62E-04	0.00E+00	3.94E-01	0.00E+00		
5278	SEOEg21std										
5279			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5280		NotS	1.75E-09	4.01E-01	3.54E-01	1.00E+00	0.00E+00	1.29E-02	1.43E-02	0.00E+00	
5281	SEOEi11std										
5282			ma1	omega	alpha1	beta1	shape				
5283		NotS	2.58E-08	1.90E-01	2.67E-09	NA	0.00E+00				
5284	SEOEi22std										
5285			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
5286		NotS	1.13E-08	3.19E-01	9.91E-03	1.00E+00	5.93E-02	NA	0.00E+00		
5287	SEOEi12std										
5288			ma1	omega	alpha1	beta1	beta2	shape			
5289		NotS	3.81E-10	7.13E-01	1.94E-01	4.74E-02	NA	0.00E+00			
5290	SEOEi21std										
5291			ma1	omega	alpha1	alpha2	beta1	shape			
5292		NotS	3.90E-08	1.67E-01	1.56E-01	1.00E+00	NA	0.00E+00			
5293	SEOEc11std										
5294			ma1	omega	alpha1	beta1	eta11	eta21	shape		
5295		NotS	6.79E-12	4.59E-01	1.76E-08	6.74E-01	0.00E+00	0.00E+00	0.00E+00		
5296	SEOEc22std										
5297			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5298		NotS	7.40E-12	1.42E-04	0.00E+00	1.00E+00	7.30E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00
5299	SEOEc12std										
5300			ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5301		NotS	7.60E-12	1.27E-04	6.66E-16	5.83E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	
5302	SEOEc21std										
5303			ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5304		NotS	9.28E-12	2.58E-01	1.09E-14	1.00E+00	6.86E-01	0.00E+00	0.00E+00	0.00E+00	
5305	SEOEs11nor										
5306			ma1	omega	alpha1	beta1					
5307		NotS	1.68E-05	1.82E-01	3.93E-10	0.00E+00					
5308	SEOEs22nor										
5309			ma1	omega	alpha1	alpha2	beta1	beta2			
5310		NotS	9.74E-06	2.33E-01	1.91E-04	1.00E+00	2.78E-02	0.00E+00			
5311	SEOEs12nor										
5312			ma1	omega	alpha1	beta1	beta2				
5313		NotS	9.39E-06	2.16E-01	5.20E-05	1.15E-02	0.00E+00				
5314	SEOEs21nor										
5315			ma1	omega	alpha1	alpha2	beta1				
5316		NotS	1.84E-05	2.04E-01	1.93E-02	1.00E+00	0.00E+00				
5317	SEOEe11nor										
5318			ma1	omega	alpha1	beta1	gamma1				
5319		S	5.54E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-10				
5320	SEOEe22nor										
5321			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
5322		NotS	7.86E-06	2.58E-05	2.74E-01	1.05E-02	0.00E+00	0.00E+00	1.51E-13	6.15E-10	
5323	SEOEe12nor										
5324			ma1	omega	alpha1	beta1	beta2	gamma1			
5325		S	1.20E-10	1.48E-10	2.39E-06	0.00E+00	0.00E+00	5.54E-10			
5326	SEOEe21nor										
5327			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2		
5328		NotS	1.68E-05	0.00E+00	1.75E-01	4.20E-03	0.00E+00	3.35E-14	6.24E-10		
5329	SEOEg11nor										
5330			ma1	omega	alpha1	beta1	gamma1				
5331		NotS	3.60E-05	2.39E-01	1.37E-03	0.00E+00	1.85E-02				
5332	SEOEg22nor										
5333			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
5334		NotS	1.09E-05	3.33E-01	1.12E-02	1.00E+00	8.78E-02	0.00E+00	3.78E-02	8.11E-01	
5335	SEOEg12nor										
5336			ma1	omega	alpha1	beta1	beta2	gamma1			
5337		NotS	2.22E-06	6.66E-01	2.54E-01	1.56E-02	0.00E+00	2.51E-03			
5338	SEOEg21nor										
5339			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2		
5340		NotS	1.99E-05	3.67E-01	3.11E-01	1.00E+00	0.00E+00	5.83E-03	2.13E-02		
5341	SEOEi11nor										
5342			ma1	omega	alpha1	beta1					
5343		NotS	1.49E-05	3.33E-01	1.18E-11	NA					
5344	SEOEi22nor										
5345			ma1	omega	alpha1	alpha2	beta1	beta2			
5346		NotS	6.15E-06	2.80E-01	9.48E-11	1.00E+00	1.11E-01	NA			
5347	SEOEi12nor										
5348			ma1	omega	alpha1	beta1	beta2				
5349		NotS	4.72E-06	3.44E-01	8.47E-06	5.42E-02	NA				
5350	SEOEi21nor										
5351			ma1	omega	alpha1	alpha2	beta1				
5352		NotS	1.69E-05	3.11E-01	2.29E-02	1.00E+00	NA				
5353	SEOEc11nor										
5354			ma1	omega	alpha1	beta1	eta11	eta21			
5355		NotS	5.51E-06	1.62E-09	8.73E-09	2.56E-01	0.00E+00	0.00E+00			
5356	SEOEc22nor										
5357			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	
5358		NotS	1.12E-05	2.07E-01	8.17E-05	1.00E+00	5.06E-01	0.00E+00	0.00E+00	4.94E-04	
5359	SEOEc12nor										
5360			ma1	omega	alpha1	beta1	beta2	eta11	eta21		
5361		NotS	1.42E-05	9.34E-02	4.75E-04	4.58E-01	0.00E+00	0.00E+00	0.00E+00		
5362	SEOEc21nor										
5363			ma1	omega	alpha1	alpha2	beta1	eta11	eta21		
5364		NotS	4.89E-06	1.21E-02	5.69E-08	9.98E-01	8.10E-01	0.00E+00	0.00E+00		
5365	DJACs11ged										
5366			ma1	omega	alpha1	beta1	shape				
5367		NotS	0.00E+00	9.23E-01	2.51E-02	0.00E+00	2.22E-16				
5368	DJACs22ged										
5369			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
5370		NotS	0	0.41621165	0.0083855	0.99999959	0	0	0		
5371	DJACs12ged										
5372			ma1	omega	alpha1	beta1	beta2	shape			
5373		NotS	0.00E+00	4.56E-01	4.44E-16	0.00E+00	0.00E+00	0.00E+00			
5374	DJACs21ged										
5375			ma1	omega	alpha1	alpha2	beta1	shape			

NotS 0 0.8747308 0.1266709 0.9999917 0 0

DJACe11ged

	ma1	omega	alpha1	beta1	gamma1	shape
S	0.00E+00	0.00E+00	2.71E-04	0.00E+00	1.67E-11	0.00E+00

DJACe22ged

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	3.61E-04	1.51E-01	5.80E-01	0.00E+00	2.17E-01	2.65E-13	1.50E-10	0.00E+00

DJACe12ged

	ma1	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	1.01E-07	2.56E-04	0.00E+00	0.00E+00	1.44E-07	0.00E+00

DJACe21ged

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	1.51E-01	5.77E-01	0.00E+00	2.66E-13	2.51E-11	0.00E+00

DJACq11ged

	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	8.43E-01	1.54E-08	0.00E+00	3.40E-05	0.00E+00

DJACq22ged

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	7.45E-01	3.86E-01	1.00E+00	0.00E+00	0.00E+00	4.35E-05	1.93E-04	0.00E+00

DJACq12ged

	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0.34057346	0.00013093	0	0	0.00092965	0

DJACq21ged

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	9.64E-01	3.96E-01	1.00E+00	0.00E+00	3.92E-11	2.92E-07	7.01E-03

DJACi11ged

	ma1	omega	alpha1	beta1	shape
NotS	0	0.5822864	0	NA	0

DJACi22ged

	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0.40321898	0.09224137	0.999994	0.26867396	NA	0

DJACi12ged

	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	4.68E-01	1.11E-15	1.31E-01	NA	0.00E+00

DJACi21ged

	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0.5750358	0.1482203	0.9996136	NA	0

DJACc11ged

	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	7.69E-01	7.18E-09	6.66E-16	0.00E+00	0.00E+00	0.00E+00

DJACc22ged

	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0	0.88547201	0.19581341	0.79161312	0.43647173	0.01170287	0	0	0

DJACc12ged

	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	0	0.16104044	0.07069095	0.00328263	0.06113831	0	0	0

DJACc21ged

	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00039457	0.99533469	0.00279708	0.95897908	0.0649736	0	0	0

DJACs11std

	ma1	omega	alpha1	beta1	shape
NotS	4.85E-10	5.00E-01	1.23E-08	0.00E+00	0.00E+00

DJACs22std

	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	3.57E-10	8.08E-02	3.71E-03	1.00E+00	7.62E-08	0.00E+00	0.00E+00

DJACs12std

	ma1	omega	alpha1	beta1	beta2	shape
NotS	2.47E-10	1.08E-01	0.00E+00	4.74E-08	0.00E+00	0.00E+00

DJACs21std

	ma1	omega	alpha1	alpha2	beta1	shape
NotS	1.02E-09	3.59E-01	1.92E-01	1.00E+00	0.00E+00	0.00E+00

DJACe11std

	ma1	omega	alpha1	beta1	gamma1	shape
S	4.71E-11	0.00E+00	9.37E-07	0.00E+00	7.04E-05	0.00E+00

DJACe22std

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	2.40E-12	2.14E-02	2.95E-01	8.05E-01	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00

DJACe12std

	ma1	omega	alpha1	beta1	beta2	gamma1	shape
S	9.37E-10	0.00E+00	5.75E-05	0.00E+00	0.00E+00	5.21E-04	0.00E+00

DJACe21std

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	2.37E-12	0.00E+00	2.96E-01	8.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJACq11std

	ma1	omega	alpha1	beta1	gamma1	shape
NotS	2.28E-09	5.13E-01	1.90E-01	0.00E+00	1.23E-06	0.00E+00

DJACq22std

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	1.36E-09	5.60E-01	5.34E-01	1.00E+00	0.00E+00	0.00E+00	1.71E-05	1.81E-04	0.00E+00

DJACq12std

	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	1.54E-09	8.32E-02	4.62E-02	1.49E-08	0.00E+00	3.77E-04	0.00E+00

DJACq21std

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	1.35E-09	5.02E-01	6.75E-01	1.00E+00	0.00E+00	2.90E-05	2.24E-04	0.00E+00

DJACi11std

	ma1	omega	alpha1	beta1	shape
NotS	3.99E-10	1.46E-01	0.00E+00	NA	0.00E+00

DJACi22std

	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	2.66E-09	3.13E-01	2.91E-01	1.00E+00	6.84E-01	NA	0.00E+00

DJACi12std

	ma1	omega	alpha1	beta1	beta2	shape
NotS	2.46E-10	1.27E-01	3.42E-14	3.34E-01	NA	0.00E+00

DJACi21std

	ma1	omega	alpha1	alpha2	beta1	shape
NotS	1.04E-09	1.41E-01	2.25E-01	1.00E+00	NA	0.00E+00

DJACc11std

	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	2.19E-09	9.54E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJACc22std

	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	6.91E-10	9.92E-01	8.67E-06	9.16E-01	1.62E-01	2.11E-01	0.00E+00	0.00E+00	0.00E+00

DJACc12std

	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	4.44E-16	9.88E-01	3.97E-03	4.61E-01	5.14E-06	0.00E+00	0.00E+00	0.00E+00

DJACc21std

	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	3.96E-11	9.89E-01	7.50E-05	8.37E-01	4.00E-15	0.00E+00	0.00E+00	0.00E+00

DJACs11nor

	ma1	omega	alpha1	beta1
NotS	5.47E-05	6.40E-01	5.77E-11	0.00E+00

DJACs22nor

	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	6.0491E-05	0.3921683	0.00182119	0.99999531	0	0

DJACs12nor

	ma1	omega	alpha1	beta1	beta2
NotS	5.94E-05	4.27E-01	1.49E-09	0.00E+00	0.00E+00

DJACs21nor

	ma1	omega	alpha1	alpha2	beta1
NotS	3.91E-05	6.52E-01	5.31E-02	9.98E-01	0.00E+00

DJACe11nor

	ma1	omega	alpha1	beta1	gamma1
S	3.05E-05	0.00E+00	5.78E-11	0.00E+00	1.11E-15

DJACe22nor

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	3.18E-05	0.00E+00	1.02E-02	9.41E-02	0.00E+00	0.00E+00	7.04E-13	1.26E-08

DJACe12nor

	ma1	omega	alpha1	beta1	beta2	gamma1
S	4.66E-06	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.98E-10

DJACe21nor

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
S	5.04E-05	0.00E+00	1.29E-03	1.68E-02	0.00E+00	1.77E-12	7.49E-09

DJACq11nor

	ma1	omega	alpha1	beta1	gamma1
NotS	6.45E-05	5.41E-01	2.79E-04	0.00E+00	6.17E-04

DJACq22nor

	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	7.79E-05	9.24E-01	1.97E-01	1.00E+00	0.00E+00	4.18E-13	3.07E-01	4.03E-01

DJACq12nor

	ma1	omega	alpha1	beta1	beta2	gamma1
NotS	4.27E-05	2.66E-01	0.00E+00	2.09E-06	3.39E-13	2.32E-05

DJACq21nor

	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	1.09E-05	6.15E-01	2.70E-01	1.00E+00	0.00E+00	1.56E-05	9.67E-05

DJACi11nor

	ma1	omega	alpha1	beta1
NotS	4.87E-05	6.71E-01	3.06E-12	NA

DJACi22nor

	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	6.09E-05	4.47E-02	1.23E-02	1.00E+00	3.32E-03	NA

DJACi12nor

	ma1	omega	alpha1	beta1	beta2
NotS	6.03E-05	4.81E-01	2.00E-15	1.71E-03	NA

DJACi21nor

	ma1	omega	alpha1	alpha2	beta1
NotS	5.65E-05	6.60E-01	4.45E-02	1.00E+00	NA

DJACc11nor

	ma1	omega	alpha1	beta1	eta11	eta21
NotS	5.61E-05	9.29E-01	7.00E-08	0.00E+00	0.00E+00	0.00E+00

DJACc22nor

	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	2.57E-04	9.50E-01	8.56E-12	9.96E-01	5.49E-01	1.96E-01	0.00E+00	0.00E+00

DJACc12nor

	ma1	omega	alpha1	beta1	beta2	eta11	eta21
NotS	2.50E-10	8.43E-02	3.59E-11	3.55E-01	2.92E-01	0.00E+00	0.00E+00

DJACc21nor

	ma1	omega	alpha1	alpha2	beta1	eta11	eta21

5544			NotS	1.21E-03	9.85E-01	8.45E-05	8.80E-01	4.33E-02	0.00E+00	0.00E+00					
5545	DJALs11ged														
5546				ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5547			S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-16	0.00E+00	0.00E+00				
5548	DJALs22ged														
5549				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5550			NotS	0	0.0124933	0.86550699	0.99708974	0.00026477	0.0293077	0.99999801	0.99955975	1	0		
5551	DJALs12ged														
5552			NotS	NULL											
5553	DJALs21ged														
5554				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5555			NotS	0.00E+00	6.17E-06	1.06E-06	4.84E-02	0.00E+00	3.89E-02	1.00E+00	0.00E+00	0.00E+00			
5556	DJALe11ged														
5557				ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5558			S	0	0	0	0	0.00105609	0.03160801	0	0.00044874	0			
5559	DJALe22ged														
5560				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5561			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-01	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00
5562	DJALe12ged														
5563				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5564			S	0	0	0	0	0	0.00413443	0	0	0	0		
5565	DJALe21ged														
5566				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5567			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-01	8.85E-01	0.00E+00	0.00E+00	4.44E-16	0.00E+00	
5568	DJALg11ged														
5569				ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5570			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	7.70E-02	0.00E+00			
5571	DJALg22ged														
5572				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5573			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-13	1.00E+00	1.00E+00	1.00E+00	2.28E-01	8.83E-01	0.00E+00
5574	DJALg12ged														
5575				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5576			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	1.00E+00	1.00E+00	2.37E-01	0.00E+00		
5577	DJALg21ged														
5578				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5579			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-03	1.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	
5580	DJALi11ged														
5581				ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5582			NotS	0	0	0	0	0.1514061	0	NA	0				
5583	DJALi22ged														
5584				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5585			NotS	0.00E+00	2.38E-09	5.08E-03	2.79E-01	2.50E-01	2.43E-01	1.00E+00	4.62E-01	NA	0.00E+00		
5586	DJALi12ged														
5587				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5588			NotS	0.00E+00	0.00E+00	9.94E-01	1.00E+00	2.31E-01	4.94E-05	6.83E-02	NA	0.00E+00			
5589	DJALi21ged														
5590				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5591			NotS	0	0	0.5690187	0.711525	0.1372106	0.1254179	0.9999263	NA	0			
5592	DJALc11ged														
5593				ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
5594			S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-10	0.00E+00	9.72E-04	0.00E+00	0.00E+00	0.00E+00		
5595	DJALc22ged														
5596				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5597			NotS	0	0	0	0	0.7050312	0.1784465	0.8122228	0.2549469	0.3100076	0	0.9283899	0
5598	DJALc12ged														
5599				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5600			NotS	0.00E+00	1.67E-05	3.93E-06	3.33E-06	1.57E-01	4.18E-07	8.80E-01	9.91E-01	0.00E+00	2.93E-01	0.00E+00	
5601	DJALc21ged														
5602				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5603			NotS	0.00E+00	2.51E-01	4.77E-08	5.49E-01	7.48E-01	6.87E-12	9.72E-01	8.67E-01	0.00E+00	3.30E-02	0.00E+00	
5604	DJALs11std														
5605				ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5606			NotS	5.84E-01	1.42E-02	3.41E-01	0.00E+00	9.40E-08	4.27E-05	1.00E+00	0.00E+00				
5607	DJALs22std														
5608				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5609			NotS	4.86E-04	1.67E-03	4.61E-05	4.01E-02	0.00E+00	1.58E-09	1.00E+00	1.00E+00	1.00E+00	0.00E+00		
5610	DJALs12std														
5611				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5612			NotS	1.14E-01	3.88E-08	3.20E-02	4.11E-05	1.57E-11	1.61E-10	1.00E+00	1.00E+00	0.00E+00			
5613	DJALs21std														
5614				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5615			NotS	2.97E-04	1.56E-03	2.88E-05	3.57E-02	0.00E+00	1.74E-06	1.00E+00	1.00E+00	0.00E+00			
5616	DJALe11std														
5617				ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5618			S	0	0	0	0	0	0.01843563	0	0.01273415	0			
5619	DJALe22std														
5620				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5621			NotS	2.66E-15	0.00E+00	0.00E+00	0.00E+00	3.11E-15	4.29E-01	7.53E-01	0.00E+00	2.96E-12	2.01E-12	6.96E-07	0.00E+00
5622	DJALe12std														
5623				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5624			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-02	4.29E-04	3.75E-05	6.75E-02	4.67E-07		
5625	DJALe21std														
5626				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5627			NotS	0	0	0	0	0	0.4836837	0.6877423	0	0	0	0	
5628	DJALg11std														
5629				ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5630			S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	4.32E-02	0.00E+00			
5631	DJALg22std														
5632				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5633			NotS	2.05E-05	6.44E-05	5.95E-07	7.77E-03	0.00E+00	1.17E-09	1.00E+00	1.00E+00	1.00E+00	3.48E-01	7.62E-01	0.00E+00
5634	DJALg12std														
5635			NotS	NULL											
5636	DJALg21std														
5637				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5638			NotS	0	0	0	0	0	0.02277644	1	0	0.00941741	0.00019538	0	
5639	DJALi11std														
5640				ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
5641			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-06	1.71E-03	NA	0.00E+00				
5642	DJALi22std														
5643				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5644		0	NotS			0	0	0	0	0	1	0	NA	0	
5645	DJALi12std														
5646				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5647		0	NotS			0	0	0	0	0	0	NA	0		
5648	DJALi21std														
5649				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5650			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	2.53E-01	1.00E+00	NA	0.00E+00			
5651	DJALc11std														
5652				ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
5653			NotS	0.07339407	0.00014241	0.03223967	0.00656803	0	0	0.96173554	0	0.95307009	0		
5654	DJALc22std														
5655				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5656			NotS	0.34746257	0.11298983	0.17191192	0.37408563	0.7640818	0	0.92092465	0.12906229	0.3032283	0	0.00915631	0
5657	DJALc12std														
5658				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5659			NotS	0.02238392	0.02722938	0.0091077	0.13772991	0.29166997	0	0.69065172	0.92563963	0	0.07354472	0	
5660	DJALc21std														
5661				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5662			NotS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	9.52E-01	8.43E-01	0.00E+00	2.18E-02	0.00E+00	
5663	DJALs11nor														
5664			NotS	NULL											
5665	DJALs22nor														
5666				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
5667			NotS	0.10017052	0.00257618	0.07870516	0.01214155	0	0.00716242	1	0.19739272	0.01757452			
5668	DJALs12nor														
5669				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2				
5670			NotS	0.0973393	0.00216909	0.07613887	0.01078831	0	0	0.08058028	0.00129315				
5671	DJALs21nor														
5672				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1				
5673			NotS	0.10492391	0.00089664	0.08327075	0.00518455	0	0.01115438	1	0				
5674	DJALe11nor														
5675				ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1				
5676			S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	1.70E-06				
5677	DJALe22nor														
5678				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
5679			NotS	4.45E-03	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.27E-01	9.67E-01	0.00E+00	2.22E-16	2.50E-12	5.13E-09	
5680	DJALe12nor														
5681				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
5682			S	3.33E-15	4.22E-12	0.00E+00	1.46E-08	4.97E-07	1.66E-03	0.00E+00	0.00E+00	5.59E-07			
5683	DJALe21nor														
5684				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
5685			NotS	1.44E-12	0.00E+00	2.01E-13	0.00E+00	0.00E+00	1.26E-01	9.86E-01	0.00E+00	1.74E-12	1.05E-09		
5686	DJALg11nor														
5687			NotS	NULL											
5688	DJALg22nor														
5689				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
5690			NotS	0.8056829	0.6543167	0.7936665	0.7073434	0	0.301431	1	0.8415428	0.9294026	0.8953808	0.6258737	
5691	DJALg12nor														
5692			NotS	NULL											
5693	DJALg21nor														
5694				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
5695			NotS	1.29E-01	4.77E-03	1.07E-01	1.75E-02	0.00E+00	2.99E-07	1.00E+00	0.00E+00	7.02E-01	2.47E-02		
5696	DJALi11nor														
5697				ar1	ar2	ma1	ma2	omega	alpha1	beta1					
5698			NotS	5.37E-02	5.59E-05	3.86E-02	7.01E-04	6.46E-01	0.00E+00	NA					
5699	DJALi22nor														
5700				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
5701			NotS	0.05509524	0.00011439	0.03913568	0.00130864	0.28657796	0.11085004	0.99933223	0.28496822	NA			
5702	DJALi12nor														
5703				ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2				
5704			NotS	5.21E-02	7.66E-05	3.66E-02	9.77E-04	4.18E-01	0.00E+00	1.54E-01	NA				
5705	DJALi21nor														
5706				ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1				
5707			NotS	5.32E-02	3.61E-05	3.81E-02	5.22E-04	6.61E-01	3.26E-01	1.00E+00	NA				
5708	DJALc11nor														
5709				ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21			
5710			NotS	1.15E-01	4.11E-03	9.48E-02	1.44E-02	4.14E-01	2.83E-09	1.07E-14	0.00E+00	5.18E-04			
5711	DJALc22nor														

		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
	NotS	1.89E-01	3.89E-02	1.63E-01	7.10E-02	6.34E-01	4.64E-06	7.99E-01	4.67E-01	1.14E-02	0.00E+00	3.02E-08
DJALc12nor												
		ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	
	NotS	1.19E-01	5.70E-05	9.23E-02	6.37E-04	8.22E-01	0.00E+00	1.01E-01	2.04E-02	0.00E+00	2.36E-02	
DJALc21nor												
		ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	
	NotS	1.53E-01	5.72E-05	1.23E-01	1.15E-03	8.03E-01	1.55E-02	7.01E-01	1.53E-12	0.00E+00	0.00E+00	
DJCCs11ged												
		ar1	ar2	omega	alpha1	beta1	shape					
	NotS	0	0	0.6404263	0	0	0					
DJCCs22ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	0	0	0.7404142	0.00354576	0.99999163	0	0	0			
DJCCs12ged												
		ar1	ar2	omega	alpha1	beta1	beta2	shape				
	NotS	0.00E+00	0.00E+00	7.49E-01	2.12E-09	0.00E+00	0.00E+00	0.00E+00				
DJCCs21ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	shape				
	NotS	0	0	0.6399231	0.2909848	0.9999376	0	0				
DJCCe11ged												
		ar1	ar2	omega	alpha1	beta1	gamma1	shape				
	S	0	0	0	0.00928447	0	0	0				
DJCCe22ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	0.00E+00	5.31E-12	3.80E-01	2.24E-01	4.64E-01	0.00E+00	3.76E-01	0.00E+00	0.00E+00	0.00E+00	
DJCCe12ged												
		ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
	S	0.00E+00	0.00E+00	8.41E-05	9.35E-03	0.00E+00	0.00E+00	6.11E-08	0.00E+00			
DJCCe21ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	0.00E+00	2.24E-13	0.00E+00	2.23E-01	4.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
DJCCg11ged												
		ar1	ar2	omega	alpha1	beta1	gamma1	shape				
	NotS	0	0	0.72470633	0.07936949	0	0.01831897	0				
DJCCg22ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	0.00E+00	0.00E+00	7.38E-01	6.73E-01	1.00E+00	0.00E+00	5.66E-14	0.00E+00	0.00E+00	0.00E+00	
DJCCg12ged												
		ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
	NotS	5.79E-13	0.00E+00	8.21E-01	2.59E-05	0.00E+00	0.00E+00	2.89E-02	0.00E+00			
DJCCg21ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	0	0	0.7159182	0.6967363	0.9999834	0	0	0	0		
DJCCi11ged												
		ar1	ar2	omega	alpha1	beta1	shape					
	NotS	0	0	0.6632558	0	NA	0					
DJCCi22ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	0	0	0.4117262	0.1035914	0.9997779	0.5856187	NA	0			
DJCCi12ged												
		ar1	ar2	omega	alpha1	beta1	beta2	shape				
	NotS	2.16E-09	0.00E+00	5.95E-01	2.22E-15	3.88E-01	NA	0.00E+00				
DJCCi21ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	shape				
	NotS	0	0	0.6662292	0.2816048	0.9999638	NA	0				
DJCCc11ged												
		ar1	ar2	omega	alpha1	beta1	eta11	eta21	shape			
	NotS	2.22E-16	0.00E+00	9.75E-01	8.97E-04	6.16E-01	0.00E+00	0.00E+00	0.00E+00			
DJCCc22ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
	NotS	0.295305	0	0.9557401	0	0.9735398	0.7680442	0.9781285	0	0	0	
DJCCc12ged												
		ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21	shape		
	NotS	0.00E+00	2.38E-07	9.61E-01	0.00E+00	6.76E-01	9.42E-01	0.00E+00	0.00E+00	0.00E+00		
DJCCc21ged												
		ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
	NotS	0.00E+00	7.47E-05	9.40E-01	1.45E-05	9.72E-01	7.68E-01	0.00E+00	0.00E+00	0.00E+00		
DJCCs11std												
		ar1	ar2	omega	alpha1	beta1	shape					
	S	5.76E-05	1.67E-05	2.10E-02	0.00E+00	0.00E+00	0.00E+00					
DJCCs22std												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	4.14E-05	3.92E-05	3.28E-01	1.98E-03	1.00E+00	0.00E+00	0.00E+00	0.00E+00			
DJCCs12std												
		ar1	ar2	omega	alpha1	beta1	beta2	shape				
	NotS	3.09E-05	2.99E-05	3.41E-01	4.44E-16	0.00E+00	0.00E+00	0.00E+00				
DJCCs21std												
		ar1	ar2	omega	alpha1	alpha2	beta1	shape				
	NotS	8.04E-05	1.82E-05	2.33E-02	2.99E-01	1.00E+00	0.00E+00	0.00E+00				
DJCCe11std												
		ar1	ar2	omega	alpha1	beta1	gamma1	shape				
	S	8.09E-06	2.18E-07	0.00E+00	1.73E-02	0.00E+00	4.30E-03	0.00E+00				
DJCCe22std												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	3.67E-10	6.98E-06	7.52E-01	3.36E-01	6.74E-01	0.00E+00	1.81E-01	0.00E+00	0.00E+00	0.00E+00	
DJCCe12std												
		ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
	NotS	2.10E-05	2.98E-05	2.95E-01	1.22E-02	0.00E+00	0.00E+00	1.00E-08	0.00E+00			
DJCCe21std												
		ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	6.14E-08	1.17E-02	1.10E-01	1.82E-01	4.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
DJCCg11std												
		ar1	ar2	omega	alpha1	beta1	gamma1	shape				
	NotS	9.03E-05	1.69E-05	5.71E-01	7.43E-02	0.00E+00	2.16E-02	0.00E+00				
DJCCg22std												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	NotS	4.56E-05	9.34E-05	6.45E-01	6.70E-01	1.00E+00	0.00E+00	9.85E-01	0.00E+00	0.00E+00	0.00E+00	
DJCCg12std												
		ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
	NotS	4.79E-05	2.53E-05	4.91E-01	5.98E-03	0.00E+00	0.00E+00	2.91E-02	0.00E+00			
DJCCg21std												
		ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	NotS	4.53E-05	9.22E-05	5.95E-01	6.70E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
DJCCi11std												
		ar1	ar2	omega	alpha1	beta1	shape					
	NotS	5.10E-05	1.76E-05	3.08E-01	0.00E+00	NA	0.00E+00					
DJCCi22std												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
	NotS	7.68E-06	2.04E-05	5.18E-01	2.33E-01	1.00E+00	7.43E-01	NA	0.00E+00			
DJCCi12std												
		ar1	ar2	omega	alpha1	beta1	beta2	shape				
	NotS	3.44E-05	3.04E-05	2.15E-01	0.00E+00	4.75E-01	NA	0.00E+00				
DJCCi21std												
		ar1	ar2	omega	alpha1	alpha2	beta1	shape				
	NotS	7.67E-05	1.73E-05	3.10E-01	2.78E-01	1.00E+00	NA	0.00E+00				
DJCCc11std												
		ar1	ar2	omega	alpha1	beta1	eta11	eta21	shape			
	NotS	2.18E-06	5.19E-04	8.56E-01	2.82E-05	6.84E-01	0.00E+00	0.00E+00	0.00E+00			
DJCCc22std												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
	NotS	5.97E-07	4.13E-04	8.25E-01	0.00E+00	9.85E-01	8.02E-01	9.81E-01	0.00E+00	0.00E+00	0.00E+00	
DJCCc12std												
		ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21	shape		
	NotS	6.55E-07	3.36E-04	8.77E-01	0.00E+00	6.82E-01	9.81E-01	0.00E+00	0.00E+00	0.00E+00		
DJCCc21std												
		ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
	NotS	1.65E-06	4.44E-04	8.99E-01	1.43E-06	9.79E-01	8.25E-01	0.00E+00	0.00E+00	0.00E+00		
DJCCs11nor												
		ar1	ar2	omega	alpha1	beta1						
	NotS	0.15508485	0.01479012	0.50941986	0	0						
DJCCs22nor												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2				
	NotS	0.13916822	0.02262739	0.56817151	0.0126406	0.99999197	0	0				
DJCCs12nor												
		ar1	ar2	omega	alpha1	beta1	beta2					
	NotS	1.39E-01	2.22E-02	5.87E-01	4.05E-08	0.00E+00	0.00E+00					
DJCCs21nor												
		ar1	ar2	omega	alpha1	alpha2	beta1					
	NotS	0.15557153	0.01535923	0.50658484	0.21977089	0.99931038	0					
DJCCe11nor												
		ar1	ar2	omega	alpha1	beta1	gamma1					
	NotS	0.12897562	0.00693957	0	0.00406203	0	0					
DJCCe22nor												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
	NotS	1.86E-01	1.78E-01	3.38E-02	1.13E-02	3.06E-02	0.00E+00	0.00E+00	4.36E-08	1.14E-05		
DJCCe12nor												
		ar1	ar2	omega	alpha1	beta1	beta2	gamma1				
	NotS	2.74E-01	1.12E-02	3.57E-03	2.74E-03	0.00E+00	0.00E+00	2.66E-15				
DJCCe21nor												
		ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2			
	NotS	1.85E-01	1.84E-01	0.00E+00	9.28E-03	2.43E-02	0.00E+00	5.32E-08	2.04E-06			
DJCCg11nor												
		ar1	ar2	omega	alpha1	beta1	gamma1					
	NotS	0.14872997	0.01111224	0.46683074	0.01033176	0	0.00601449					
DJCCg22nor												
		ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
	NotS	0.09555515	0.04926187	0.54936503	0.65194855	0.99998463	0	0	0	0		
DJCCg12nor												
		ar1	ar2	omega	alpha1	beta1	beta2	gamma1				
	NotS	0.13454145	0.01567631	0.00378527	0.00045268	0	0	0.00544461				
DJCCg21nor												
		ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2			
	NotS	0.08306495	0.04255793	0.55479388	0.67704624	0.99977622	0	0	0			
DJCCi11nor												
		ar1	ar2	omega	alpha1	beta1						
	NotS	1.57E-01	1.51E-02	5.93E-01	2.22E-16	NA						
DJCCi22nor												

5880			ar1	ar2	omega	alpha1	alpha2	beta1	beta2				
5881		NotS	0.13892885	0.02271871	0.32127514	0.04781358	0.99999777	0.29834524	NA				
5882	DJCCi12nor												
5883			ar1	ar2	omega	alpha1	beta1	beta2					
5884		NotS	1.38E-01	2.19E-02	4.35E-01	2.22E-16	2.23E-01	NA					
5885	DJCCi21nor												
5886			ar1	ar2	omega	alpha1	alpha2	beta1					
5887		NotS	0.15534865	0.01556499	0.59012304	0.21132252	0.99999954	NA					
5888	DJCCc11nor												
5889			ar1	ar2	omega	alpha1	beta1	eta11	eta21				
5890		NotS	0.12685962	0.15599787	0.94441656	0.00666633	0.82262016	0	0				
5891	DJCCc22nor												
5892			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21		
5893		NotS	3.70E-02	7.34E-02	9.63E-01	3.72E-08	9.87E-01	6.07E-01	6.55E-01	0.00E+00	0.00E+00		
5894	DJCCc12nor												
5895			ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21			
5896		NotS	7.22E-02	3.82E-02	9.66E-01	1.61E-09	6.80E-01	8.03E-01	0.00E+00	0.00E+00			
5897	DJCCc21nor												
5898			ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21			
5899		NotS	0.09314985	0.07689723	0.90404741	0.00217725	0.96254627	0.62967958	0	0			
5900	DJCFs11ged												
5901			ar1	ma1	ma2	omega	alpha1	beta1	shape				
5902		NotS	0.00E+00	0.00E+00	7.98E-06	8.55E-01	0.00E+00	0.00E+00	0.00E+00				
5903	DJCFs22ged												
5904			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5905		NotS	0.00E+00	0.00E+00	3.44E-12	4.48E-01	2.40E-02	1.00E+00	0.00E+00	0.00E+00	0.00E+00		
5906	DJCFs12ged												
5907			ar1	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5908		NotS	0.00E+00	0.00E+00	1.98E-09	4.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
5909	DJCFs21ged												
5910			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5911		NotS	0.00E+00	0.00E+00	2.11E-06	8.58E-01	5.81E-01	1.00E+00	0.00E+00	0.00E+00			
5912	DJCFe11ged												
5913			ar1	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5914		NotS	0.00E+00	0.00E+00	1.21E-13	2.87E-12	0.00E+00	0.00E+00	4.78E-01	0.00E+00			
5915	DJCFe22ged												
5916			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5917	0	S			0	0	0	0	0	0	0	0	0	0
5918	DJCFe12ged												
5919			ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5920		S	0.00E+00	0.00E+00	2.22E-16	0.00E+00	3.43E-02	0.00E+00	0.00E+00	9.12E-04	0.00E+00		
5921	DJCFe21ged												
5922			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5923		NotS	0	0	0	0	0.7349366	0.5247285	0	0	0	0	
5924	DJCFg11ged												
5925			ar1	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5926		NotS	0	0	0.01062166	0.82291443	0	0	0	0			
5927	DJCFg22ged												
5928			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5929		NotS	0.00E+00	0.00E+00	1.33E-14	7.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	DJCFg12ged												
5931			ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5932		NotS	0.00E+00	0.00E+00	3.82E-08	3.85E-01	2.41E-05	0.00E+00	0.00E+00	1.41E-01	0.00E+00		
5933	DJCFg21ged												
5934			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5935		S	0	0	0.00265814	0.00064218	0	0	0	0	0	0	
5936	DJCFi11ged												
5937			ar1	ma1	ma2	omega	alpha1	beta1	shape				
5938		NotS	0.00E+00	0.00E+00	3.49E-12	9.91E-01	0.00E+00	NA	0.00E+00				
5939	DJCFi22ged												
5940			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5941		NotS	0.00E+00	0.00E+00	5.84E-13	8.10E-01	1.86E-02	9.99E-01	6.70E-01	NA	0.00E+00		
5942	DJCFi12ged												
5943			ar1	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5944		NotS	0.00E+00	0.00E+00	2.72E-13	8.13E-01	4.44E-16	6.86E-01	NA	0.00E+00			
5945	DJCFi21ged												
5946			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5947		NotS	0.00E+00	0.00E+00	3.19E-09	9.91E-01	5.28E-01	9.89E-01	NA	0.00E+00			
5948	DJCFc11ged												
5949			ar1	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
5950		NotS	0.00E+00	0.00E+00	0.00E+00	8.83E-01	2.02E-06	9.01E-01	0.00E+00	0.00E+00	0.00E+00		
5951	DJCFc22ged												
5952			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
5953		NotS	0.00E+00	0.00E+00	3.06E-10	5.28E-01	0.00E+00	9.90E-01	9.39E-01	9.81E-01	0.00E+00	0.00E+00	0.00E+00
5954	DJCFc12ged												
5955			ar1	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
5956		NotS	0.00E+00	0.00E+00	0.00E+00	4.98E-01	7.54E-06	9.02E-01	8.96E-01	0.00E+00	0.00E+00	0.00E+00	
5957	DJCFc21ged												
5958			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
5959		NotS	0.00E+00	0.00E+00	0.00E+00	8.75E-01	2.56E-07	9.90E-01	8.71E-01	0.00E+00	0.00E+00	0.00E+00	
5960	DJCFs11std												
5961			ar1	ma1	ma2	omega	alpha1	beta1	shape				
5962		NotS	4.48E-11	8.69E-08	4.90E-01	4.52E-01	2.60E-04	0.00E+00	0.00E+00				
5963	DJCFs22std												
5964			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
5965		NotS	5.40E-10	7.20E-07	5.24E-01	3.07E-03	1.58E-04	1.00E+00	1.17E-08	0.00E+00	0.00E+00		
5966	DJCFs12std												
5967			ar1	ma1	ma2	omega	alpha1	beta1	beta2	shape			
5968		NotS	5.26E-10	6.95E-07	5.24E-01	8.48E-05	0.00E+00	1.14E-09	0.00E+00	0.00E+00			
5969	DJCFs21std												
5970			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
5971		NotS	1.71E-11	5.80E-08	4.84E-01	2.60E-01	2.71E-01	1.00E+00	0.00E+00	0.00E+00			
5972	DJCFe11std												
5973			ar1	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5974		NotS	0.00E+00	0.00E+00	3.48E-01	0.00E+00	6.80E-12	0.00E+00	5.17E-04	0.00E+00			
5975	DJCFe22std												
5976			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
5977		NotS	0.00E+00	3.03E-05	6.05E-01	0.00E+00	7.98E-01	2.49E-01	0.00E+00	0.00E+00	1.62E-09	1.02E-08	0.00E+00
5978	DJCFe12std												
5979			ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5980		NotS	0	0	0.40701524	0	0.04048001	0	0	0.00084714	0		
5981	DJCFe21std												
5982			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5983		S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
5984	DJCFg11std												
5985			ar1	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
5986		NotS	0.00E+00	5.97E-13	4.37E-01	2.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
5987	DJCFg22std												
5988		NotS	NULL										
5989	DJCFg12std												
5990			ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
5991		NotS	0	0	0	0.1447502	0	0	0	0	0		
5992	DJCFg21std												
5993			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
5994		NotS	0	0	0.727926	0.1064288	0	0	0	0	0	0	
5995	DJCFi11std												
5996			ar1	ma1	ma2	omega	alpha1	beta1	shape				
5997		NotS	1.00E-11	4.13E-08	4.85E-01	1.02E-01	8.64E-13	NA	0.00E+00				
5998	DJCFi22std												
5999			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	shape		
6000		NotS	5.40E-10	7.32E-07	5.19E-01	1.29E-01	5.54E-03	1.00E+00	8.09E-01	NA	0.00E+00		
6001	DJCFi12std												
6002			ar1	ma1	ma2	omega	alpha1	beta1	beta2	shape			
6003		NotS	4.24E-10	6.24E-07	5.21E-01	1.81E-01	3.77E-06	7.27E-01	NA	0.00E+00			
6004	DJCFi21std												
6005			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	shape			
6006		NotS	2.99E-11	8.42E-08	4.79E-01	1.02E-01	5.70E-01	1.00E+00	NA	0.00E+00			
6007	DJCFc11std												
6008			ar1	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
6009		NotS	0.00E+00	2.02E-09	4.85E-01	1.79E-01	0.00E+00	7.76E-01	0.00E+00	1.67E-08	0.00E+00		
6010	DJCFc22std												
6011			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
6012		NotS	0.00E+00	2.29E-09	5.93E-01	8.44E-01	9.10E-10	9.91E-01	9.38E-01	9.12E-01	0.00E+00	0.00E+00	0.00E+00
6013	DJCFc12std												
6014			ar1	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape	
6015		NotS	3.02E-14	1.80E-07	8.21E-01	7.74E-01	1.95E-14	8.28E-01	8.72E-01	0.00E+00	1.30E-05	0.00E+00	
6016	DJCFc21std												
6017			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
6018		NotS	0.00E+00	9.13E-10	8.88E-01	6.69E-01	0.00E+00	9.92E-01	9.56E-01	0.00E+00	1.10E-04	0.00E+00	
6019	DJCFs11nor												
6020			ar1	ma1	ma2	omega	alpha1	beta1					
6021		NotS	0.16904725	0.22016639	0.02841404	0.22479174	0	0					
6022	DJCFs22nor												
6023			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
6024		NotS	0.31095794	0.37679512	0.02622814	0.88793892	0.01604186	0.99999951	0.00092813	0			
6025	DJCFs12nor												
6026			ar1	ma1	ma2	omega	alpha1	beta1	beta2				
6027		NotS	0.28627555	0.35799909	0.02673421	0.54506582	0.00182375	0	0				
6028	DJCFs21nor												
6029			ar1	ma1	ma2	omega	alpha1	alpha2	beta1				
6030		NotS	0.31703948	0.37901584	0.02725244	0.22755265	0.09795425	0.99999905	0				
6031	DJCFe11nor												
6032			ar1	ma1	ma2	omega	alpha1	beta1	gamma1				
6033		S	2.12E-10	1.03E-07	6.29E-04	0.00E+00	2.06E-05	0.00E+00	0.00E+00				
6034	DJCFe22nor												
6035			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
6036		S	3.03E-11	4.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
6037	DJCFe12nor												
6038			ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
6039		S	0.00E+00	3.77E-14	2.69E-04	6.78E-08	1.63E-03	0.00E+00	0.00E+00	2.04E-08			
6040	DJCFe21nor												
6041			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
6042		S	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
6043	DJCFg11nor												
6044			ar1	ma1	ma2	omega	alpha1	beta1	gamma1				
6045		NotS	0.4570686	0.51003115	0.0513958	0.11890196	0	0	0.00253054				
6046	DJCFg22nor												
6047			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	

6048	0	S			0	0	0	0	0	0	0	0	0
6049	DJCFg12nor												
6050		NotS	NULL										
6051	DJCFg21nor												
6052			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2		
6053		S	0	0	0	0.00030785	0	0	0	0	0		
6054	DJCFi11nor												
6055			ar1	ma1	ma2	omega	alpha1	beta1					
6056		NotS	3.14E-01	3.75E-01	2.53E-02	5.86E-01	2.22E-16	NA					
6057	DJCFi22nor												
6058			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2			
6059		NotS	0.30611658	0.37653375	0.02420509	0.31826002	0.00403062	0.99999933	0.15530198	NA			
6060	DJCFi12nor												
6061			ar1	ma1	ma2	omega	alpha1	beta1	beta2				
6062		NotS	3.01E-01	3.71E-01	2.43E-02	4.60E-01	3.10E-12	8.35E-02	NA				
6063	DJCFi21nor												
6064			ar1	ma1	ma2	omega	alpha1	alpha2	beta1				
6065		NotS	0.32273714	0.38445752	0.0264213	0.58199493	0.08015967	0.99999768	NA				
6066	DJCFc11nor												
6067			ar1	ma1	ma2	omega	alpha1	beta1	eta11	eta21			
6068		NotS	0.02304812	0.04562386	0.21338747	0.10360775	0	0.26904358	0	0			
6069	DJCFc22nor												
6070			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	
6071		NotS	2.56E-01	3.83E-01	2.79E-01	6.13E-01	0.00E+00	9.79E-01	9.19E-01	9.45E-01	0.00E+00	8.45E-09	
6072	DJCFc12nor												
6073			ar1	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21		
6074		NotS	0.7553577	0.7395301	0.8902567	0.9907789	0.7703437	0.9961717	0.9975945	0	0.6555907		
6075	DJCFc21nor												
6076			ar1	ma1	ma2	omega	alpha1	alpha2	beta1	eta11	eta21		
6077		NotS	0.18266931	0.28283025	0.34266821	0.6473504	0.01545381	0.98873108	0.96663378	0	0		
6078	DJCPs11ged												
6079			ar1	ar2	omega	alpha1	beta1	shape					
6080		NotS	0.9996732	0.9999347	0.124738	0	0	0					
6081	DJCPs22ged												
6082			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
6083		NotS	0.99998593	0.99963684	0.08730919	0.03301329	0.99991087	0	0	0			
6084	DJCPs12ged												
6085		NotS	NULL										
6086	DJCPs21ged												
6087			ar1	ar2	omega	alpha1	alpha2	beta1	shape				
6088		NotS	0.9998949	0.9999991	0.126831	0.326247	0.9998866	0	0				
6089	DJCPe11ged												
6090			ar1	ar2	omega	alpha1	beta1	gamma1	shape				
6091		NotS	0.00E+00	1.00E+00	1.96E-05	9.78E-01	0.00E+00	1.52E-08	0.00E+00				
6092	DJCPe22ged												
6093			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
6094		NotS	0.04649515	0.97013461	0	0.60382432	0.60331507	0	0	0	0	0	
6095	DJCPe12ged												
6096			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
6097		NotS	1.00E+00	1.00E+00	1.52E-09	1.05E-01	0.00E+00	0.00E+00	2.48E-04	0.00E+00			
6098	DJCPe21ged												
6099			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
6100		NotS	2.38E-12	1.00E+00	0.00E+00	4.20E-01	6.02E-01	0.00E+00	0.00E+00	8.88E-16	0.00E+00		
6101	DJCPg11ged												
6102			ar1	ar2	omega	alpha1	beta1	gamma1	shape				
6103		NotS	0.99976279	0.9999994	0.06397721	0.00227552	0	0.48752474	0				
6104	DJCPg22ged												
6105			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
6106		NotS	1.00E+00	1.00E+00	5.45E-01	6.20E-01	1.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	
6107	DJCPg12ged												
6108		NotS	NULL										
6109	DJCPg21ged												
6110			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
6111		NotS	9.82E-01	1.00E+00	5.56E-01	2.20E-07	8.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
6112	DJCPi11ged												
6113			ar1	ar2	omega	alpha1	beta1	shape					
6114		NotS	0.9999686	0.9995543	0.2586963	0	NA	0					
6115	DJCPi22ged												
6116			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
6117		NotS	0.9998117	0.9999644	0.0903125	0.1354191	0.9990994	0.4367893	NA	0			
6118	DJCPi12ged												
6119			ar1	ar2	omega	alpha1	beta1	beta2	shape				
6120		NotS	1.00E+00	1.00E+00	1.82E-01	7.80E-13	2.62E-01	NA	0.00E+00				
6121	DJCPi21ged												
6122			ar1	ar2	omega	alpha1	alpha2	beta1	shape				
6123		NotS	0.9999715	0.9999759	0.2554904	0.2939274	0.9999948	NA	0				
6124	DJCPc11ged												
6125			ar1	ar2	omega	alpha1	beta1	eta11	eta21	shape			
6126		NotS	0.00184451	0.99999999	0.9847654	0.00011883	0.8078838	0	0	0			
6127	DJCPc22ged												
6128			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
6129		NotS	1.30E-08	9.88E-03	9.73E-01	0.00E+00	9.77E-01	8.93E-01	9.68E-01	0.00E+00	0.00E+00	0.00E+00	
6130	DJCPc12ged												
6131			ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21	shape		
6132		NotS	0.0468731	0.9968186	0.9801042	0	0.7661734	0.8928723	0	0	0		
6133	DJCPc21ged												
6134			ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
6135		NotS	0	0.99764043	0.27314497	3.1704E-05	0.99999926	0.81945733	0	0	0		
6136	DJCPs11std												
6137			ar1	ar2	omega	alpha1	beta1	shape					
6138		NotS	5.01E-01	8.85E-02	2.23E-01	3.32E-05	0.00E+00	0.00E+00					
6139	DJCPs22std												
6140			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
6141		NotS	0.56680702	0.08937402	0.02162811	0.00024594	0.99999155	0.99999353	0	0			
6142	DJCPs12std												
6143			ar1	ar2	omega	alpha1	beta1	beta2	shape				
6144		NotS	4.02E-01	9.13E-02	2.98E-03	6.27E-08	1.25E-08	0.00E+00	0.00E+00				
6145	DJCPs21std												
6146			ar1	ar2	omega	alpha1	alpha2	beta1	shape				
6147		NotS	0.50834432	0.08854074	0.36011802	0.48673812	0.99999953	0	0				
6148	DJCPe11std												
6149			ar1	ar2	omega	alpha1	beta1	gamma1	shape				
6150		NotS	0.51106632	0.10567423	0	0.07926485	0	0.00813397	0				
6151	DJCPe22std												
6152			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
6153		S	0	0.00719432	0	0	0	0	0	0	0	0	
6154	DJCPe12std												
6155			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
6156		NotS	0.33914409	0.1297451	0	0.1123131	0	0	0.00618238	0			
6157	DJCPe21std												
6158			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
6159		S	1.80E-09	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
6160	DJCPg11std												
6161			ar1	ar2	omega	alpha1	beta1	gamma1	shape				
6162		NotS	0.51010536	0.08893745	0.22434709	0.02912087	0	0.39507681	0				
6163	DJCPg22std												
6164			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
6165		NotS	1.46E-01	1.09E-01	1.14E-01	5.06E-01	1.00E+00	0.00E+00	9.53E-01	1.12E-12	9.99E-15	0.00E+00	
6166	DJCPg12std												
6167			ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape			
6168		NotS	4.04E-01	9.41E-02	3.80E-03	6.61E-03	3.34E-10	0.00E+00	3.88E-01	0.00E+00			
6169	DJCPg21std												
6170			ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
6171		NotS	0.1487892	0.108868	0.1584066	0.6097539	0.9999984	0	0	0	0		
6172	DJCPi11std												
6173			ar1	ar2	omega	alpha1	beta1	shape					
6174		NotS	0.50723569	0.10678245	0.52739581	0.09337822	NA	0					
6175	DJCPi22std												
6176			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	shape			
6177		NotS	0.41664149	0.09455704	0.13277046	0.14042236	0.99999961	0.50335621	NA	0			
6178	DJCPi12std												
6179			ar1	ar2	omega	alpha1	beta1	beta2	shape				
6180		NotS	4.06E-01	9.18E-02	1.32E-01	6.73E-06	2.29E-01	NA	0.00E+00				
6181	DJCPi21std												
6182			ar1	ar2	omega	alpha1	alpha2	beta1	shape				
6183		NotS	0.51169667	0.08887095	0.57865925	0.33006352	0.99999921	NA	0				
6184	DJCPc11std												
6185			ar1	ar2	omega	alpha1	beta1	eta11	eta21	shape			
6186		NotS	0.00982287	0.16176726	0.0489999	0	0.99756365	0	0.85411253	0			
6187	DJCPc22std												
6188			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape	
6189		NotS	0.01018665	0.1620343	0	0	0.99999998	0.97966243	1	0	4.8019E-05	0	
6190	DJCPc12std												
6191			ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21	shape		
6192		NotS	0.01394248	0.14648899	0	0	0.42233821	1	0	0	0		
6193	DJCPc21std												
6194			ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21	shape		
6195		NotS	1.28E-02	1.65E-01	8.41E-02	1.49E-13	1.00E+00	3.90E-01	0.00E+00	9.73E-02	0.00E+00		
6196	DJCPs11nor												
6197			ar1	ar2	omega	alpha1	beta1						
6198		NotS	0.53652631	0.10575984	0.02714284	0	0						
6199	DJCPs22nor												
6200			ar1	ar2	omega	alpha1	alpha2	beta1	beta2				
6201		NotS	0.67524948	0.09753551	0.07490759	0.00031313	0.99999758	0	0				
6202	DJCPs12nor												
6203		NotS	NULL										
6204	DJCPs21nor												
6205			ar1	ar2	omega	alpha1	alpha2	beta1					
6206		NotS	0.63133916	0.09967146	0.05589585	0.07522191	0.99999968	0					
6207	DJCPe11nor												
6208			ar1	ar2	omega	alpha1	beta1	gamma1					
6209		NotS	0.80232768	0.03329947	0	0.00827642	0	0					
6210	DJCPe22nor												
6211			ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
6212		NotS	0.9761339	0.3065935	0	0.196607	0.3056784	0	0	0	0		
6213	DJCPe12nor												
6214			ar1	ar2	omega	alpha1	beta1	beta2	gamma1				
6215		NotS	5.88E-01	1.03E-03	2.17E-02	1.28E-03	0.00E+00	0.00E+00	1.82E-09				

DJCPe21nor

	ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.83740304	0.08349723	0	0.09600327	0.15850789	0	0	0

DJCPq11nor

	ar1	ar2	omega	alpha1	beta1	gamma1
NotS	6.38E-01	9.03E-02	4.79E-02	2.40E-06	0.00E+00	3.24E-01

DJCPq22nor

	ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
NotS	7.46E-01	1.61E-01	7.43E-01	8.76E-02	7.91E-01	0.00E+00	6.60E-07	0.00E+00	0.00E+00

DJCPq12nor

	ar1	ar2	omega	alpha1	beta1	beta2	gamma1
NotS	0.56224596	0.0867025	0.46557634	0.01870092	0.9986241	0	0.09227648

DJCPq21nor

	ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2
NotS	0.7330839	0.1340551	0.4657126	0	0.6857435	0	0	0

DJCPi11nor

	ar1	ar2	omega	alpha1	beta1
NotS	6.09E-01	8.98E-02	6.37E-01	8.88E-16	NA

DJCPi22nor

	ar1	ar2	omega	alpha1	alpha2	beta1	beta2
NotS	3.98E-01	1.02E-01	4.75E-01	2.22E-16	1.00E+00	1.00E+00	NA

DJCPi12nor

	ar1	ar2	omega	alpha1	beta1	beta2
NotS	3.97E-01	1.02E-01	5.91E-01	4.66E-15	1.00E+00	NA

DJCPi21nor

	ar1	ar2	omega	alpha1	alpha2	beta1
NotS	0.60295989	0.09934867	0.63487453	0.07365035	0.99749085	NA

DJCPc11nor

	ar1	ar2	omega	alpha1	beta1	eta11	eta21
NotS	5.92E-01	2.24E-01	8.80E-01	3.58E-06	6.76E-01	0.00E+00	0.00E+00

DJCPc22nor

	ar1	ar2	omega	alpha1	alpha2	beta1	beta2	eta11	eta21
NotS	6.38E-01	3.00E-01	9.39E-01	4.77E-14	9.45E-01	7.55E-01	8.34E-01	0.00E+00	0.00E+00

DJCPc12nor

	ar1	ar2	omega	alpha1	beta1	beta2	eta11	eta21
NotS	0.6184352	0.3250947	0.8981645	0	0.7934689	0.8987757	0	0

DJCPc21nor

	ar1	ar2	omega	alpha1	alpha2	beta1	eta11	eta21
NotS	8.28E-01	3.12E-01	8.97E-01	9.83E-10	9.40E-01	7.09E-01	0.00E+00	0.00E+00

DJCTs11ged

	ar1	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	5.63E-01	2.33E-08	0.00E+00	0.00E+00

DJCTs22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.5800355	0.659305	0.9603314	0	0	0

DJCTs12ged

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	0	0	0.7859119	0	0	0	0

DJCTs21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.7669129	0.9409967	0.9832491	0	0

DJCTe11ged

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0.00E+00	0.00E+00	0.00E+00	7.54E-01	5.85E-01	9.10E-14	0.00E+00

DJCTe22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	0.00E+00	5.60E-02	8.15E-01	0.00E+00	0.00E+00	0.00E+00	6.66E-10	0.00E+00

DJCTe12ged

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0	0	0.09780351	0	0	0	0

DJCTe21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	0.00E+00	0.00E+00	2.64E-02	5.27E-01	3.85E-01	9.91E-06	6.97E-14	0.00E+00	0.00E+00

DJCTq11ged

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
NotS	0	0	0.5241157	0.3585494	0	0.9349404	0

DJCTq22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	0	0	0.7287095	0	0.8852384	0	0	0	0	0

DJCTq12ged

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
NotS	0	0	0.6850713	0.5294342	0	0	0.6663348	0

DJCTq21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
S	0.00E+00	0.00E+00	4.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJCTi11ged

	ar1	ma1	omega	alpha1	beta1	shape
NotS	0.00E+00	0.00E+00	8.53E-01	7.09E-09	NA	0.00E+00

DJCTi22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	0	0	0.7251552	0.412583	0.9998329	0.5900561	NA	0

DJCTi12ged

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	0.00E+00	0.00E+00	7.28E-01	4.76E-13	5.48E-01	NA	0.00E+00

DJCTi21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	0	0	0.8817365	0.933971	0.9681702	NA	0

DJCTc11ged

	ar1	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	9.27E-01	3.89E-03	4.77E-01	0.00E+00	1.59E-09	0.00E+00

DJCTc22ged

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	0.00E+00	0.00E+00	7.87E-01	1.11E-10	9.40E-01	5.52E-01	4.20E-01	0.00E+00	0.00E+00	0.00E+00

DJCTc12ged

	ar1	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	2.22E-16	6.75E-13	8.84E-01	3.95E-05	6.61E-01	4.72E-01	0.00E+00	4.68E-05	0.00E+00

DJCTc21ged

	ar1	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	0.00E+00	2.69E-09	9.58E-01	1.09E-06	9.51E-01	6.69E-01	0.00E+00	1.55E-05	0.00E+00

DJCTs11std

	ar1	ma1	omega	alpha1	beta1	shape
NotS	3.36E-11	7.68E-06	8.95E-01	5.57E-01	0.00E+00	3.05E-02

DJCTs22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	2.45E-10	1.74E-05	0.00E+00	1.07E-01	9.98E-01	0.00E+00	0.00E+00	0.00E+00

DJCTs12std

	ar1	ma1	omega	alpha1	beta1	beta2	shape
S	2.04E-10	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJCTs21std

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	1.14E-11	4.51E-06	1.20E-01	9.05E-01	9.89E-01	0.00E+00	0.00E+00

DJCTe11std

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
NotS	2.44E-15	4.61E-08	0.00E+00	3.84E-01	0.00E+00	0.00E+00	0.00E+00

DJCTe22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	3.34E-12	2.10E-03	0.00E+00	4.10E-02	9.33E-01	0.00E+00	0.00E+00	0.00E+00	8.27E-07	0.00E+00

DJCTe12std

	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
S	0.00E+00	4.93E-09	0.00E+00	4.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJCTe21std

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	3.22E-11	1.33E-03	0.00E+00	2.53E-01	2.18E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJCTq11std

	ar1	ma1	omega	alpha1	beta1	gamma1	shape
NotS	4.85E-12	2.21E-06	3.14E-01	8.82E-01	0.00E+00	4.02E-01	0.00E+00

DJCTq22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
NotS	3.55E-11	7.37E-06	0.00E+00	7.58E-01	9.93E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJCTq12std

NotS NULL

DJCTq21std

	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
NotS	4.37E-11	1.23E-05	0.00E+00	7.55E-01	9.59E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

DJCTi11std

	ar1	ma1	omega	alpha1	beta1	shape
NotS	1.39E-10	1.05E-05	3.73E-01	1.34E-09	NA	0.00E+00

DJCTi22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	shape
NotS	3.29E-10	1.26E-05	3.55E-01	6.81E-01	9.84E-01	8.81E-01	NA	0.00E+00

DJCTi12std

	ar1	ma1	omega	alpha1	beta1	beta2	shape
NotS	1.11E-10	1.28E-05	2.11E-01	1.80E-03	5.21E-01	NA	0.00E+00

DJCTi21std

	ar1	ma1	omega	alpha1	alpha2	beta1	shape
NotS	7.82E-11	7.65E-06	3.55E-01	8.72E-01	9.44E-01	NA	0.00E+00

DJCTc11std

	ar1	ma1	omega	alpha1	beta1	eta11	eta21	shape
NotS	9.74E-10	3.79E-04	7.28E-01	7.97E-08	5.79E-01	0.00E+00	3.61E-12	0.00E+00

DJCTc22std

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
NotS	1.18E-05	1.56E-02	7.94E-01	7.47E-06	8.78E-01	3.43E-01	1.45E-01	0.00E+00	1.66E-06	0.00E+00

DJCTc12std

	ar1	ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape
NotS	4.73E-11	3.81E-05	8.55E-01	1.04E-11	4.51E-01	1.61E-01	0.00E+00	3.22E-07	0.00E+00

DJCTc21std

	ar1	ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape
NotS	1.77E-10	4.83E-05	6.75E-01	4.67E-03	7.69E-01	1.81E-02	0.00E+00	2.07E-07	0.00E+00

DJCTs11nor

	ar1	ma1	omega	alpha1	beta1
NotS	0.00024516	0.00453617	0.41109823	0	0

DJCTs22nor

	ar1	ma1	omega	alpha1	alpha2	beta1	beta2
NotS	0.00236302	0.02054525	0	0.08871392	0.9999951	0	0

DJCTs12nor

NotS NULL

DJCTs21nor

	ar1	ma1	omega	alpha1	alpha2	beta1

| | | |

		omega	alpha1	beta1									
	NotS	0.3576738	0	0									
DJLEs22nor													
		omega	alpha1	alpha2	beta1	beta2							
	NotS	5.45E-01	0.00E+00	1.00E+00	1.31E-08	0.00E+00							
DJLEs12nor													
		omega	alpha1	beta1	beta2								
	NotS	6.78E-01	4.31E-03	3.57E-05	0.00E+00								
DJLEs21nor													
		omega	alpha1	alpha2	beta1								
	NotS	0.41397754	0.02333609	0.99973785	0								
DJLEe11nor													
		omega	alpha1	beta1	gamma1								
	NotS	0	0.5794182	0	0								
DJLEe22nor													
		omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2					
	NotS	0.4536465	0.169252	0.1903898	0	0.293965	0	0					
DJLEe12nor													
		omega	alpha1	beta1	beta2	gamma1							
	NotS	1.38E-02	3.72E-01	0.00E+00	0.00E+00	1.14E-09							
DJLEe21nor													
		omega	alpha1	alpha2	beta1	gamma1	gamma2						
	NotS	0	0.1693725	0.1896672	0	0	0						
DJLEg11nor													
		omega	alpha1	beta1	gamma1								
	NotS	3.69E-01	3.41E-10	0.00E+00	7.58E-01								
DJLEg22nor													
		omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2					
	NotS	0.2114087	0.04935373	0.99973452	0	0.81845962	0	0					
DJLEg12nor													
		omega	alpha1	beta1	beta2	gamma1							
	NotS	6.58E-01	6.90E-04	1.06E-05	0.00E+00	7.37E-01							
DJLEg21nor													
		omega	alpha1	alpha2	beta1	gamma1	gamma2						
	NotS	0.1983261	0	0.7655027	0	0	0						
DJLEi11nor													
		omega	alpha1	beta1									
	NotS	5.19E-01	2.22E-16	NA									
DJLEi22nor													
		omega	alpha1	alpha2	beta1	beta2							
	NotS	2.89E-01	1.69E-08	1.00E+00	5.31E-02	NA							
DJLEi12nor													
		omega	alpha1	beta1	beta2								
	NotS	3.34E-01	7.55E-15	3.61E-02	NA								
DJLEi21nor													
		omega	alpha1	alpha2	beta1								
	NotS	0.51019541	0.02035021	0.99999766	NA								
DJLEc11nor													
		omega	alpha1	beta1	eta11	eta21							
	NotS	8.93E-01	9.61E-08	1.47E-01	0.00E+00	2.22E-15							
DJLEc22nor													
		omega	alpha1	alpha2	beta1	beta2	eta11	eta21					
	NotS	0.6879549	0	0.92982	0.777295	0.6504542	0	0					
DJLEc12nor													
		omega	alpha1	beta1	beta2	eta11	eta21						
	NotS	5.75E-02	1.44E-12	2.52E-01	8.59E-01	0.00E+00	0.00E+00						
DJLEc21nor													
		omega	alpha1	alpha2	beta1	eta11	eta21						
	NotS	9.18E-01	4.90E-13	9.29E-01	7.53E-01	0.00E+00	0.00E+00						
DJGOs11ged													
	ar1	omega	alpha1	beta1	shape								
	NotS	0	0.7815025	0	0	0							
DJGOs22ged													
	ar1	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	6.95E-06	3.26E-01	9.06E-02	9.86E-01	0.00E+00	0.00E+00	0.00E+00					
DJGOs12ged													
	ar1	omega	alpha1	beta1	beta2	shape							
	NotS	0	0.4314386	0	0	0	0						
DJGOs21ged													
	ar1	omega	alpha1	alpha2	beta1	shape							
	NotS	5.45E-07	8.91E-01	7.94E-01	8.33E-01	0.00E+00	0.00E+00						
DJGOe11ged													
	ar1	omega	alpha1	beta1	gamma1	shape							
	NotS	0	0	0.6696545	0	0	0						
DJGOe22ged													
	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	0.00E+00	0.00E+00	3.51E-01	3.11E-01	0.00E+00	0.00E+00	7.47E-07	1.11E-04	0.00E+00			
DJGOe12ged													
	ar1	omega	alpha1	beta1	beta2	gamma1	shape						
	NotS	0	0	0.75711371	0	0	0.00094331	0					
DJGOe21ged													
	ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape					
	NotS	0	0	0.2457327	0.17858002	0	0.00020345	0.00149015	0				
DJGOg11ged													
	ar1	omega	alpha1	beta1	gamma1	shape							
	NotS	0	0.80944805	0.0028422	0	0.17317003	0						
DJGOg22ged													
	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	0.00E+00	1.91E-01	9.22E-05	9.89E-01	0.00E+00	0.00E+00	4.54E-01	1.07E-02	0.00E+00			
DJGOg12ged													
	ar1	omega	alpha1	beta1	beta2	gamma1	shape						
	NotS	0	0.40255234	0.00022393	0	0	0.33788449	0					
DJGOg21ged													
	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	1.11E-15	8.05E-01	7.42E-01	7.63E-01	0.00E+00	5.93E-04	7.91E-04	0.00E+00				
DJGOi11ged													
	ar1	omega	alpha1	beta1	shape								
	NotS	0	0.9884499	0	NA	0							
DJGOi22ged													
	ar1	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	0	0.9949587	0.1092886	0.9553031	0.472927	NA	0					
DJGOi12ged													
	ar1	omega	alpha1	beta1	beta2	shape							
	NotS	0	0.9502474	0	0.3805434	NA	0						
DJGOi21ged													
	ar1	omega	alpha1	alpha2	beta1	shape							
	NotS	0	0.9961025	0.7711548	0.8251742	NA	0						
DJGOc11ged													
	ar1	omega	alpha1	beta1	eta11	eta21	shape						
	NotS	0	0.89044922	0.42024958	0.02227318	0	0	0					
DJGOc22ged													
	ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape				
	NotS	0	0.9353686	0.8498004	0.9742295	0.756251	0.542759	0	0	0			
DJGOc12ged													
	ar1	omega	alpha1	beta1	beta2	eta11	eta21	shape					
	NotS	0	0.876598	0.1427202	0.6436873	0.4677683	0	0	0				
DJGOc21ged													
	ar1	omega	alpha1	alpha2	beta1	eta11	eta21	shape					
	NotS	0	0.9338682	0.851604	0.9595445	0	0	0	0				
DJGOs11std													
	ar1	omega	alpha1	beta1	shape								
	NotS	2.35E-02	3.45E-01	1.68E-08	0.00E+00	0.00E+00							
DJGOs22std													
	ar1	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	0.01771712	0.03148831	0.01751721	0.99999882	0	0	0					
DJGOs12std													
	ar1	omega	alpha1	beta1	beta2	shape							
	NotS	1.62E-02	6.09E-02	1.61E-10	0.00E+00	0.00E+00	0.00E+00						
DJGOs21std													
	ar1	omega	alpha1	alpha2	beta1	shape							
	NotS	0.03419326	0.3785005	0.64904173	0.76038448	0	0						
DJGOe11std													
	ar1	omega	alpha1	beta1	gamma1	shape							
	NotS	0.01932355	0	0.07493239	0	0	0						
DJGOe22std													
	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	5.68E-05	5.85E-04	2.72E-01	1.08E-01	0.00E+00	0.00E+00	7.98E-07	3.36E-07	0.00E+00			
DJGOe12std													
	ar1	omega	alpha1	beta1	beta2	gamma1	shape						
	NotS	0.02306018	0	0.33180017	0	0	0.00027952	0					
DJGOe21std													
	ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape					
	NotS	5.51E-04	0.00E+00	9.83E-02	2.79E-02	0.00E+00	1.50E-10	1.01E-07	0.00E+00				
DJGOg11std													
	ar1	omega	alpha1	beta1	gamma1	shape							
	NotS	0.0274414	0.26143164	0	0	0.00293538	0						
DJGOg22std													
	ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape				
	NotS	1.97E-02	4.59E-01	7.42E-01	3.12E-01	0.00E+00	0.00E+00	7.16E-06	8.81E-09	0.00E+00			
DJGOg12std													
	ar1	omega	alpha1	beta1	beta2	gamma1	shape						
	NotS	0.01983645	0.06925903	0	0	0	0.07450801	0					
DJGOg21std													
	ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape					
	NotS	0.0191302	0.4113986	0.9377071	0.2572876	0	0	0	0				
DJGOi11std													
	ar1	omega	alpha1	beta1	shape								
	NotS	3.15E-02	3.70E-01	4.28E-10	NA	0.00E+00							
DJGOi22std													
	ar1	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	0.01810999	0.18498864	0.04582319	0.99992298	0.37081134	NA	0					
DJGOi12std													
	ar1	omega	alpha1	beta1	beta2	shape							
	NotS	1.58E-02	1.96E-01	3.65E-10	2.91E-01	NA	0.00E+00						
DJGOi21std													
	ar1	omega	alpha1	alpha2	beta1	beta2	shape						
	NotS	0.04929732	0.41458207	0.75158653	0.77555627	NA	0						
DJGOc11std													

6720			ar1	omega	alpha1	beta1	eta11	eta21	shape		
6721		NotS	3.94E-09	2.08E-01	7.97E-03	8.53E-01	0.00E+00	0.00E+00	0.00E+00		
6722	DJGOc22std										
6723			ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
6724		NotS	2.64E-04	3.49E-01	1.04E-02	1.00E+00	7.89E-01	1.00E+00	0.00E+00	2.48E-05	0.00E+00
6725	DJGOc12std										
6726			ar1	omega	alpha1	beta1	beta2	eta11	eta21	shape	
6727		NotS	0.01913107	0.75199136	0.01509529	0.47003862	0.43799416	0	0	0	
6728	DJGOc21std										
6729			ar1	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
6730		NotS	0.0304069	0.67707969	0.79150972	0.97439215	0.00455597	0	0	0	
6731	DJGOs11nor										
6732			ar1	omega	alpha1	beta1					
6733		NotS	0.1813222	0.85198	0	0					
6734	DJGOs22nor										
6735			ar1	omega	alpha1	alpha2	beta1	beta2			
6736		NotS	0.17160233	0.96098285	0.0059897	0.99195302	0	0			
6737	DJGOs12nor										
6738			ar1	omega	alpha1	beta1	beta2				
6739		NotS	1.78E-01	9.56E-01	2.93E-10	0.00E+00	0.00E+00				
6740	DJGOs21nor										
6741			ar1	omega	alpha1	alpha2	beta1				
6742		NotS	0.2479249	0.9114856	0.9832608	0.4337797	0				
6743	DJGOe11nor										
6744			ar1	omega	alpha1	beta1	gamma1				
6745		NotS	0.1378486	0	0.1945237	0	0				
6746	DJGOe22nor										
6747			ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
6748		NotS	7.24E-03	1.42E-02	5.81E-01	4.36E-01	0.00E+00	0.00E+00	4.26E-06	2.14E-02	
6749	DJGOe12nor										
6750			ar1	omega	alpha1	beta1	beta2	gamma1			
6751		NotS	0.1074268	0.6072383	0.1868157	0	0	0			
6752	DJGOe21nor										
6753			ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2		
6754		NotS	0.1695627	0.00326148	0.04120896	0.08115835	0	0.01328903	0.49626871		
6755	DJGOg11nor										
6756			ar1	omega	alpha1	beta1	gamma1				
6757		NotS	2.47E-01	8.15E-01	2.75E-07	0.00E+00	4.29E-02				
6758	DJGOg22nor										
6759			ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	
6760		NotS	1.54E-01	6.45E-01	6.07E-02	3.03E-06	0.00E+00	0.00E+00	2.75E-03	1.05E-06	
6761	DJGOg12nor										
6762			ar1	omega	alpha1	beta1	beta2	gamma1			
6763		NotS	1.76E-01	9.18E-01	4.53E-07	0.00E+00	0.00E+00	1.11E-01			
6764	DJGOg21nor										
6765			ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2		
6766		NotS	0.2277769	0.9305163	0.9999181	0.3535866	0	0.3731055	0.2243044		
6767	DJGOi11nor										
6768			ar1	omega	alpha1	beta1					
6769		NotS	2.33E-01	9.98E-01	2.49E-11	NA					
6770	DJGOi22nor										
6771			ar1	omega	alpha1	alpha2	beta1	beta2			
6772		NotS	0.22624317	0.99813537	0	0.09477291	0.01247529	NA			
6773	DJGOi12nor										
6774			ar1	omega	alpha1	beta1	beta2				
6775		NotS	1.93E-01	9.98E-01	3.31E-14	4.10E-01	NA				
6776	DJGOi21nor										
6777			ar1	omega	alpha1	alpha2	beta1				
6778		NotS	0.2719663	0.9979771	0.6921343	0.6034735	NA				
6779	DJGOc11nor										
6780			ar1	omega	alpha1	beta1	eta11	eta21			
6781		NotS	2.37E-01	9.00E-01	2.86E-01	8.77E-08	0.00E+00	0.00E+00			
6782	DJGOc22nor										
6783			ar1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	
6784		NotS	0.1691354	0.9365827	0.7316106	0.9144796	0.4216132	0.2887147	0	0	
6785	DJGOc12nor										
6786			ar1	omega	alpha1	beta1	beta2	eta11	eta21		
6787		NotS	0.2450856	0.8813875	0.2610974	0.2463209	0.1058331	0	0		
6788	DJGOc21nor										
6789			ar1	omega	alpha1	alpha2	beta1	eta11	eta21		
6790		NotS	2.14E-01	6.57E-01	8.57E-01	8.68E-01	0.00E+00	0.00E+00	9.04E-11		
6791	DJNIs11ged										
6792			ma1	omega	alpha1	beta1	shape				
6793		NotS	0.00E+00	0.00E+00	2.56E-05	1.00E+00	0.00E+00				
6794	DJNIs22ged										
6795			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
6796		NotS	0.00E+00	3.17E-08	1.41E-13	1.00E+00	1.00E+00	1.00E+00	0.00E+00		
6797	DJNIs12ged										
6798			ma1	omega	alpha1	beta1	beta2	shape			
6799		NotS	0.00E+00	0.00E+00	2.22E-16	1.00E+00	1.00E+00	0.00E+00			
6800	DJNIs21ged										
6801			ma1	omega	alpha1	alpha2	beta1	shape			
6802		NotS	0.00E+00	9.99E-06	1.74E-06	1.00E+00	1.00E+00	0.00E+00			
6803	DJNIe11ged										
6804			ma1	omega	alpha1	beta1	gamma1	shape			
6805		NotS	0.00E+00	0.00E+00	9.78E-02	4.94E-01	1.32E-13	0.00E+00			
6806	DJNIe22ged										
6807			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
6808		NotS	0.00E+00	0.00E+00	8.46E-01	7.92E-01	0.00E+00	0.00E+00	0.00E+00	1.00E-11	0.00E+00
6809	DJNIe12ged										
6810			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
6811		NotS	0.00E+00	0.00E+00	9.56E-01	2.32E-09	0.00E+00	8.88E-13	0.00E+00		
6812	DJNIe21ged										
6813			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
6814		NotS	0.00E+00	0.00E+00	8.23E-02	9.53E-02	0.00E+00	2.84E-14	1.10E-12	0.00E+00	
6815	DJNIg11ged										
6816			ma1	omega	alpha1	beta1	gamma1	shape			
6817		NotS	0	0	0.00325822	1	0.09797765	0			
6818	DJNIg22ged										
6819			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
6820		NotS	0	0	0.235327	0.9999692	0	0.9969014	0	0	0
6821	DJNIg12ged										
6822			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
6823		NotS	0	0	0.00013796	0.99999879	1	0.07904275	0		
6824	DJNIg21ged										
6825			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
6826		NotS	0	0	0.5384824	0.9999982	0	0	0	0	
6827	DJNIi11ged										
6828			ma1	omega	alpha1	beta1	shape				
6829		NotS	0	0.1595852	0	NA	0				
6830	DJNIi22ged										
6831			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
6832		NotS	0	0.06070349	0.00011556	0.99993025	0.6438614	NA	0		
6833	DJNIi12ged										
6834			ma1	omega	alpha1	beta1	beta2	shape			
6835		NotS	0.00E+00	1.15E-01	1.21E-13	5.94E-01	NA	0.00E+00			
6836	DJNIi21ged										
6837			ma1	omega	alpha1	alpha2	beta1	shape			
6838		NotS	0	0.1646651	0.4628033	0.9999842	NA	0			
6839	DJNIc11ged										
6840			ma1	omega	alpha1	beta1	eta11	eta21	shape		
6841		NotS	0.00E+00	8.13E-01	1.61E-08	2.62E-01	0.00E+00	0.00E+00	0.00E+00		
6842	DJNIc22ged										
6843			ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape
6844		NotS	0.00235678	0.97293174	0	0.97487089	0.87972823	0.90793785	0	0	0
6845	DJNIc12ged										
6846			ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape	
6847		NotS	0	0.9233038	0	0.7212581	0.9441389	0	0	0	
6848	DJNIc21ged										
6849			ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape	
6850		NotS	7.05E-05	9.57E-01	8.15E-11	9.77E-01	9.02E-01	0.00E+00	0.00E+00	0.00E+00	
6851	DJNIs11std										
6852			ma1	omega	alpha1	beta1	shape				
6853		S	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
6854	DJNIs22std										
6855			ma1	omega	alpha1	alpha2	beta1	beta2	shape		
6856		NotS	1.65E-08	9.98E-13	0.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00		
6857	DJNIs12std										
6858			ma1	omega	alpha1	beta1	beta2	shape			
6859		NotS	1.75E-08	8.02E-05	3.41E-05	1.00E+00	1.00E+00	0.00E+00			
6860	DJNIs21std										
6861			ma1	omega	alpha1	alpha2	beta1	shape			
6862		NotS	3.92E-05	0.00E+00	9.78E-01	9.99E-01	0.00E+00	0.00E+00			
6863	DJNIe11std										
6864			ma1	omega	alpha1	beta1	gamma1	shape			
6865		NotS	1.08E-09	0.00E+00	7.91E-02	1.84E-01	3.11E-07	0.00E+00			
6866	DJNIe22std										
6867			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
6868		NotS	0	0	0.05478836	0.07023288	0	0	0	0	0
6869	DJNIe12std										
6870			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
6871		NotS	6.49E-09	0.00E+00	7.78E-01	6.93E-06	3.17E-09	4.00E-02	0.00E+00		
6872	DJNIe21std										
6873			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
6874	0	S			0	0	0	0	0	0	0
6875	DJNIg11std										
6876			ma1	omega	alpha1	beta1	gamma1	shape			
6877		NotS	4.89E-05	2.86E-01	9.97E-01	0.00E+00	5.73E-01	0.00E+00			
6878	DJNIg22std										
6879			ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
6880		NotS	1.40E-07	0.00E+00	1.00E+00	1.00E+00	0.00E+00	9.87E-01	0.00E+00	0.00E+00	0.00E+00
6881	DJNIg12std										
6882			ma1	omega	alpha1	beta1	beta2	gamma1	shape		
6883		NotS	6.22E-09	3.47E-06	0.00E+00	9.79E-01	1.00E+00	9.30E-02	0.00E+00		
6884	DJNIg21std										
6885			ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape	
6886		NotS	5.03E-07	0.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
6887	DJNIi11std										

		ma1	omega	alpha1	beta1	shape							
	NotS	5.14E-05	7.49E-01	5.27E-01	NA	0.00E+00							
DJNli22std													
		ma1	omega	alpha1	alpha2	beta1	beta2	shape					
	NotS	7.14E-06	2.04E-01	2.56E-03	1.00E+00	1.00E+00	NA	0.00E+00					
DJNli12std													
		ma1	omega	alpha1	beta1	beta2	shape						
	NotS	7.39E-06	2.41E-01	5.35E-02	1.00E+00	NA	0.00E+00						
DJNli21std													
		ma1	omega	alpha1	alpha2	beta1	shape						
	NotS	5.07E-05	5.57E-01	8.98E-01	1.00E+00	NA	0.00E+00						
DJNlc11std													
		ma1	omega	alpha1	beta1	eta11	eta21	shape					
	NotS	1.87E-06	9.58E-01	1.61E-09	6.75E-01	0.00E+00	0.00E+00	0.00E+00					
DJNlc22std													
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21	shape			
	NotS	4.95E-07	9.55E-01	0.00E+00	9.58E-01	8.23E-01	8.26E-01	0.00E+00	0.00E+00	0.00E+00			
DJNlc12std													
		ma1	omega	alpha1	beta1	beta2	eta11	eta21	shape				
	NotS	1.42E-07	9.12E-01	0.00E+00	7.25E-01	9.72E-01	0.00E+00	0.00E+00	0.00E+00				
DJNlc21std													
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21	shape				
	NotS	1.33E-06	9.35E-01	1.56E-13	9.69E-01	8.63E-01	0.00E+00	0.00E+00	0.00E+00				
DJNls11nor													
		ma1	omega	alpha1	beta1								
	NotS	1.08E-01	2.17E-10	1.17E-08	0.00E+00								
DJNls22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2						
	NotS	5.55E-02	2.55E-01	2.81E-03	1.00E+00	1.00E+00	3.86E-13						
DJNls12nor													
		ma1	omega	alpha1	beta1	beta2							
	NotS	0.03905501	0	0	0.98699041	0							
DJNls21nor													
		ma1	omega	alpha1	alpha2	beta1							
	NotS	0.09565396	0	0.16385922	0.99882121	0							
DJNle11nor													
		ma1	omega	alpha1	beta1	gamma1							
	S	2.29E-02	0.00E+00	3.89E-02	0.00E+00	1.36E-05							
DJNle22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	S	7.99E-03	1.34E-05	1.34E-02	5.36E-03	0.00E+00	0.00E+00	6.55E-09	1.40E-06				
DJNle12nor													
		ma1	omega	alpha1	beta1	beta2	gamma1						
	NotS	1.68E-01	0.00E+00	4.60E-01	0.00E+00	0.00E+00	2.99E-09						
DJNle21nor													
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	5.81E-02	0.00E+00	9.71E-03	3.87E-03	0.00E+00	2.72E-08	1.46E-06					
DJNlg11nor													
		ma1	omega	alpha1	beta1	gamma1							
	NotS	1.04E-01	0.00E+00	1.77E-05	0.00E+00	7.14E-01							
DJNlg22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	NotS	3.39E-02	2.52E-02	2.74E-01	1.00E+00	0.00E+00	9.99E-01	9.99E-07	1.16E-07				
DJNlg12nor													
		ma1	omega	alpha1	beta1	beta2	gamma1						
	NotS	4.62E-02	9.10E-02	1.30E-02	1.00E+00	1.28E-10	4.75E-01						
DJNlg21nor													
		ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	NotS	3.39E-02	2.57E-02	2.71E-01	1.00E+00	0.00E+00	7.73E-07	8.55E-08					
DJNli11nor													
		ma1	omega	alpha1	beta1								
	NotS	0.06920054	0.21573646	0	NA								
DJNli22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2						
	NotS	0.05672383	0.10006213	0.00106844	0.99999912	0.3718073	NA						
DJNli12nor													
		ma1	omega	alpha1	beta1	beta2							
	NotS	0.05511648	0.13895051	0	0.24583507	NA							
DJNli21nor													
		ma1	omega	alpha1	alpha2	beta1							
	NotS	0.08123491	0.20493412	0.19774229	0.99532612	NA							
DJNlc11nor													
		ma1	omega	alpha1	beta1	eta11	eta21						
	NotS	0.1359204	0.92970265	0.00107378	0.55545878	0	0						
DJNlc22nor													
		ma1	omega	alpha1	alpha2	beta1	beta2	eta11	eta21				
	NotS	0.1181916	0.8636455	0.3058007	0.9575359	0.9069411	0.4942306	0	0				
DJNlc12nor													
		ma1	omega	alpha1	beta1	beta2	eta11	eta21					
	NotS	0.07711037	0.96397326	0.00683137	0.74609668	0.05625269	0	0					
DJNlc21nor													
		ma1	omega	alpha1	alpha2	beta1	eta11	eta21					
	NotS	4.81E-02	8.86E-01	2.22E-16	9.82E-01	6.66E-01	0.00E+00	0.00E+00					
SEAls11ged													

DIGITAL APPENDIX N

DIGITAL APPENDIX N

N_[CODE_GARCH MODELS]_Chapter 4.7._Remaining GARCH Models and Diagnostics

#GARCH models per Assetclass

##All Cattle

```
DJACs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJACs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJACs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Aluminium

```
DJALs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

DJALs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

DJALs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Cocoa

```
DJCCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

DJCCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

DJCCs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

##Coffee

```
D3CFs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")

D3CFs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")

D3CFs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
```

#Copper

```
D3CPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

D3CPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

D3CPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

#Cotton

```
D3CTs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")

D3CTs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")

D3CTs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
```

#Lead

```
D3LEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D3LEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D3LEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
D1LEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

D1LEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

D1LEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

##Gold

```
D3GOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

D3GOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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D3GOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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D3GOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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D3GOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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D3GOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

D3GOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

##Nickel

```
DJNIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
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DJNIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJNIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJNIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJNIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJNIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJNIs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Silver

```
DJSIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
```

```
DJSIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJSIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJSIs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

Sugar

```
DJSUs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJSUs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJSUs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

Wheat

```
DJWEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

DJWEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

DJWEs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

Zinc

```
DJZIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
DJZIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DJZIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DJZIs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

Lean Hogs

```
DJLHs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")

DJLHs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")

DJLHs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
```

Natural Gas

```
DJNGs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

DJNGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

DJNGs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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Petroleum

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DJPEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

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DJPEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DJPEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
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DJPEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
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DJPEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
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DJPEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

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DJPEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
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DJPEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
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DJPEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
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Soybeans

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DJSOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
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DJSOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
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DJSOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
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DJSOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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DJSOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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Forestry and Paper

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SEFPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEFPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEFPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

SEFPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

SEFPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

Electricity

```
SEECs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
```

```
SEEGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SEEGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SEEGs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Fixed Line Communication

```
SEFLs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")

SEFLs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")

SEFLs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
```

##Gas Water and Multiutilities

```
SEUTs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

SEUTs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

SEUTs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Industrial Transportation

```
SETRs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
```

```
SETRc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

SETRs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

SETRs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Mobile Telecommunication

```
SEMOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")

SEMOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")

SEMOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
```

##Oil and Gas Producers

```
SEOGs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEOGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SEOGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEOGs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Oil Equipment

```
SEOEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
```

```
SEOEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

SEOEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Airlines

```
SEAIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEAIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEAIs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Real Estate Investment and Services

```
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SEIEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

SEIEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEIEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEIEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEIEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEIEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEIEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEIEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

##REITS

```
SEREs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEREs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEREs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEREs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
```

```
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SERGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SERGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SERCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEREs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SERGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

Alternative Energy

```
SEAEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEAEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SEAEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEAEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SEAEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

Software

```
SESOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SESOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SESOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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SESOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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SESOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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Technical Hardware and Equipment

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SETEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
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SETEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
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SETEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SETEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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SETEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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SETEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
```

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SETEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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SETEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SETEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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SETEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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SETEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Beverages

```
SEBEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")

SEBEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
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SEBEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
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SEBEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
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SEBEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
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SEBEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
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SEBEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
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SEBEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
```

##Total European Market

```
SEETs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
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SEETs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SEETs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SEETs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Chemcials

```
SECHs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")

SECHs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
```

```
SECHg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")

SECHs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
```

##Auto and Parts

```
SEAPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

SEAPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

SEAPs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Bitcoin

```
BITCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

BITCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

BITCs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Litecoin

```
LITCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

LITCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
```

```
LITCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi112std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

LITCs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

```
##REX
GREXs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

GREXs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

GREXs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

```
##DAX Private Equity
DAXPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DAXPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DAXPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

```
#GARCH Modelfit
```

```
##All Cattle
DJACs11edFIT<-ugarchfit(spec=DJACs11eed.data=datDJACretINSA DJACs11gedFIT
DJACs22edFIT<-ugarchfit(spec=DJACs22eed.data=datDJACretINSA DJACs22gedFIT
DJACs12edFIT<-ugarchfit(spec=DJACs12eed.data=datDJACretINSA DJACs12gedFIT
DJACs21edFIT<-ugarchfit(spec=DJACs21eed.data=datDJACretINSA DJACs21gedFIT
DJACe11edFIT<-ugarchfit(spec=DJACe11eed.data=datDJACretINSA DJACe11gedFIT
DJACe22edFIT<-ugarchfit(spec=DJACe22eed.data=datDJACretINSA DJACe22gedFIT
DJACe12edFIT<-ugarchfit(spec=DJACe12eed.data=datDJACretINSA DJACe12gedFIT
DJACe21edFIT<-ugarchfit(spec=DJACe21eed.data=datDJACretINSA DJACe21gedFIT
DJACg11edFIT<-ugarchfit(spec=DJACg11eed.data=datDJACretINSA DJACg11gedFIT
DJACg22edFIT<-ugarchfit(spec=DJACg22eed.data=datDJACretINSA DJACg22gedFIT
DJACg12edFIT<-ugarchfit(spec=DJACg12eed.data=datDJACretINSA DJACg12gedFIT
DJACg21edFIT<-ugarchfit(spec=DJACg21eed.data=datDJACretINSA DJACg21gedFIT
DJACi11edFIT<-ugarchfit(spec=DJACi11eed.data=datDJACretINSA DJACi11gedFIT
DJACi22edFIT<-ugarchfit(spec=DJACi22eed.data=datDJACretINSA DJACi22gedFIT
DJACi12edFIT<-ugarchfit(spec=DJACi12eed.data=datDJACretINSA DJACi12gedFIT
DJACi21edFIT<-ugarchfit(spec=DJACi21eed.data=datDJACretINSA DJACi21gedFIT
DJACc11edFIT<-ugarchfit(spec=DJACc11eed.data=datDJACretINSA DJACc11gedFIT
DJACc22edFIT<-ugarchfit(spec=DJACc22eed.data=datDJACretINSA DJACc22gedFIT
DJACc12edFIT<-ugarchfit(spec=DJACc12eed.data=datDJACretINSA DJACc12gedFIT
DJACc21edFIT<-ugarchfit(spec=DJACc21eed.data=datDJACretINSA DJACc21gedFIT

DJACs11stdFIT<-ugarchfit(spec=DJACs11std.data=datDJACretINSA DJACs11stdFIT
DJACs22stdFIT<-ugarchfit(spec=DJACs22std.data=datDJACretINSA DJACs22stdFIT
DJACs12stdFIT<-ugarchfit(spec=DJACs12std.data=datDJACretINSA DJACs12stdFIT
DJACs21stdFIT<-ugarchfit(spec=DJACs21std.data=datDJACretINSA DJACs21stdFIT
DJACe11stdFIT<-ugarchfit(spec=DJACe11std.data=datDJACretINSA DJACe11stdFIT
DJACe22stdFIT<-ugarchfit(spec=DJACe22std.data=datDJACretINSA DJACe22stdFIT
DJACe12stdFIT<-ugarchfit(spec=DJACe12std.data=datDJACretINSA DJACe12stdFIT
DJACe21stdFIT<-ugarchfit(spec=DJACe21std.data=datDJACretINSA DJACe21stdFIT
DJACg11stdFIT<-ugarchfit(spec=DJACg11std.data=datDJACretINSA DJACg11stdFIT
DJACg22stdFIT<-ugarchfit(spec=DJACg22std.data=datDJACretINSA DJACg22stdFIT
DJACg12stdFIT<-ugarchfit(spec=DJACg12std.data=datDJACretINSA DJACg12stdFIT
DJACg21stdFIT<-ugarchfit(spec=DJACg21std.data=datDJACretINSA DJACg21stdFIT
DJACi11stdFIT<-ugarchfit(spec=DJACi11std.data=datDJACretINSA DJACi11stdFIT
```

```
DJAAc122stdFIT<-uqarchfit(spec=DJAAc122std,data=datDJACretINSA DJAAc122stdFIT
DJAAc112stdFIT<-uqarchfit(spec=DJAAc112std,data=datDJACretINSA DJAAc112stdFIT
DJAAc121stdFIT<-uqarchfit(spec=DJAAc121std,data=datDJACretINSA DJAAc121stdFIT
DJAACc11stdFIT<-uqarchfit(spec=DJAACc11std,data=datDJACretINSA DJAACc11stdFIT
DJAAcc22stdFIT<-uqarchfit(spec=DJAAcc22std,data=datDJACretINSA DJAAcc22stdFIT
DJAAcc12stdFIT<-uqarchfit(spec=DJAAcc12std,data=datDJACretINSA DJAAcc12stdFIT
DJAAcc21stdFIT<-uqarchfit(spec=DJAAcc21std,data=datDJACretINSA DJAAcc21stdFIT

DJACs11norFIT<-uqarchfit(spec=DJACs11nor,data=datDJACretINSA DJACs11norFIT
DJACs22norFIT<-uqarchfit(spec=DJACs22nor,data=datDJACretINSA DJACs22norFIT
DJACs12norFIT<-uqarchfit(spec=DJACs12nor,data=datDJACretINSA DJACs12norFIT
DJACs21norFIT<-uqarchfit(spec=DJACs21nor,data=datDJACretINSA DJACs21norFIT
DJACe11norFIT<-uqarchfit(spec=DJACe11nor,data=datDJACretINSA DJACe11norFIT
DJACe22norFIT<-uqarchfit(spec=DJACe22nor,data=datDJACretINSA DJACe22norFIT
DJACe12norFIT<-uqarchfit(spec=DJACe12nor,data=datDJACretINSA DJACe12norFIT
DJACe21norFIT<-uqarchfit(spec=DJACe21nor,data=datDJACretINSA DJACe21norFIT
DJACCe11norFIT<-uqarchfit(spec=DJACCe11nor,data=datDJACretINSA DJACCg11norFIT
DJACCe22norFIT<-uqarchfit(spec=DJACCe22nor,data=datDJACretINSA DJACCg22norFIT
DJACCe12norFIT<-uqarchfit(spec=DJACCe12nor,data=datDJACretINSA DJACCg12norFIT
DJACCe21norFIT<-uqarchfit(spec=DJACCe21nor,data=datDJACretINSA DJACCg21norFIT
DJACCi11norFIT<-uqarchfit(spec=DJACCi11nor,data=datDJACretINSA DJACCi11norFIT
DJACCi22norFIT<-uqarchfit(spec=DJACCi22nor,data=datDJACretINSA DJACCi22norFIT
DJACCi12norFIT<-uqarchfit(spec=DJACCi12nor,data=datDJACretINSA DJACCi12norFIT
DJACCi21norFIT<-uqarchfit(spec=DJACCi21nor,data=datDJACretINSA DJACCi21norFIT
DJACCc11norFIT<-uqarchfit(spec=DJACCc11nor,data=datDJACretINSA DJACCc11norFIT
DJACCc22norFIT<-uqarchfit(spec=DJACCc22nor,data=datDJACretINSA DJACCc22norFIT
DJACCc12norFIT<-uqarchfit(spec=DJACCc12nor,data=datDJACretINSA DJACCc12norFIT
DJACCc21norFIT<-uqarchfit(spec=DJACCc21nor,data=datDJACretINSA DJACCc21norFIT
```

#Aluminium

```
DJALs11eedFIT<-uqarchfit(spec=DJALs11eed,data=datDJALretINSA DJALs11gedFIT
DJALs22eedFIT<-uqarchfit(spec=DJALs22eed,data=datDJALretINSA DJALs22gedFIT
DJALs12eedFIT<-uqarchfit(spec=DJALs12eed,data=datDJALretINSA DJALs12gedFIT
DJALs21eedFIT<-uqarchfit(spec=DJALs21eed,data=datDJALretINSA DJALs21gedFIT
DJALe11eedFIT<-uqarchfit(spec=DJALe11eed,data=datDJALretINSA DJALe11gedFIT
DJALe22eedFIT<-uqarchfit(spec=DJALe22eed,data=datDJALretINSA DJALe22gedFIT
DJALe12eedFIT<-uqarchfit(spec=DJALe12eed,data=datDJALretINSA DJALe12gedFIT
DJALe21eedFIT<-uqarchfit(spec=DJALe21eed,data=datDJALretINSA DJALe21gedFIT
DJALg11eedFIT<-uqarchfit(spec=DJALg11eed,data=datDJALretINSA DJALg11gedFIT
DJALg22eedFIT<-uqarchfit(spec=DJALg22eed,data=datDJALretINSA DJALg22gedFIT
DJALg12eedFIT<-uqarchfit(spec=DJALg12eed,data=datDJALretINSA DJALg12gedFIT
DJALg21eedFIT<-uqarchfit(spec=DJALg21eed,data=datDJALretINSA DJALg21gedFIT
DJALi11eedFIT<-uqarchfit(spec=DJALi11eed,data=datDJALretINSA DJALi11gedFIT
DJALi22eedFIT<-uqarchfit(spec=DJALi22eed,data=datDJALretINSA DJALi22gedFIT
DJALi12eedFIT<-uqarchfit(spec=DJALi12eed,data=datDJALretINSA DJALi12gedFIT
DJALi21eedFIT<-uqarchfit(spec=DJALi21eed,data=datDJALretINSA DJALi21gedFIT
DJALc11eedFIT<-uqarchfit(spec=DJALc11eed,data=datDJALretINSA DJALc11gedFIT
DJALc22eedFIT<-uqarchfit(spec=DJALc22eed,data=datDJALretINSA DJALc22gedFIT
DJALc12eedFIT<-uqarchfit(spec=DJALc12eed,data=datDJALretINSA DJALc12gedFIT
DJALc21eedFIT<-uqarchfit(spec=DJALc21eed,data=datDJALretINSA DJALc21gedFIT

DJALs11stdFIT<-uqarchfit(spec=DJALs11std,data=datDJALretINSA DJALs11stdFIT
DJALs22stdFIT<-uqarchfit(spec=DJALs22std,data=datDJALretINSA DJALs22stdFIT
DJALs12stdFIT<-uqarchfit(spec=DJALs12std,data=datDJALretINSA DJALs12stdFIT
DJALs21stdFIT<-uqarchfit(spec=DJALs21std,data=datDJALretINSA DJALs21stdFIT
DJALe11stdFIT<-uqarchfit(spec=DJALe11std,data=datDJALretINSA DJALe11stdFIT
DJALe22stdFIT<-uqarchfit(spec=DJALe22std,data=datDJALretINSA DJALe22stdFIT
DJALe12stdFIT<-uqarchfit(spec=DJALe12std,data=datDJALretINSA DJALe12stdFIT
DJALe21stdFIT<-uqarchfit(spec=DJALe21std,data=datDJALretINSA DJALe21stdFIT
DJALg11stdFIT<-uqarchfit(spec=DJALg11std,data=datDJALretINSA DJALg11stdFIT
DJALg22stdFIT<-uqarchfit(spec=DJALg22std,data=datDJALretINSA DJALg22stdFIT
DJALg12stdFIT<-uqarchfit(spec=DJALg12std,data=datDJALretINSA DJALg12stdFIT
DJALg21stdFIT<-uqarchfit(spec=DJALg21std,data=datDJALretINSA DJALg21stdFIT
DJALi11stdFIT<-uqarchfit(spec=DJALi11std,data=datDJALretINSA DJALi11stdFIT
DJALi22stdFIT<-uqarchfit(spec=DJALi22std,data=datDJALretINSA DJALi22stdFIT
DJALi12stdFIT<-uqarchfit(spec=DJALi12std,data=datDJALretINSA DJALi12stdFIT
DJALi21stdFIT<-uqarchfit(spec=DJALi21std,data=datDJALretINSA DJALi21stdFIT
DJALc11stdFIT<-uqarchfit(spec=DJALc11std,data=datDJALretINSA DJALc11stdFIT
DJALc22stdFIT<-uqarchfit(spec=DJALc22std,data=datDJALretINSA DJALc22stdFIT
DJALc12stdFIT<-uqarchfit(spec=DJALc12std,data=datDJALretINSA DJALc12stdFIT
DJALc21stdFIT<-uqarchfit(spec=DJALc21std,data=datDJALretINSA DJALc21stdFIT

DJALs11norFIT<-uqarchfit(spec=DJALs11nor,data=datDJALretINSA DJALs11norFIT
DJALs22norFIT<-uqarchfit(spec=DJALs22nor,data=datDJALretINSA DJALs22norFIT
DJALs12norFIT<-uqarchfit(spec=DJALs12nor,data=datDJALretINSA DJALs12norFIT
DJALs21norFIT<-uqarchfit(spec=DJALs21nor,data=datDJALretINSA DJALs21norFIT
DJALe11norFIT<-uqarchfit(spec=DJALe11nor,data=datDJALretINSA DJALe11norFIT
DJALe22norFIT<-uqarchfit(spec=DJALe22nor,data=datDJALretINSA DJALe22norFIT
DJALe12norFIT<-uqarchfit(spec=DJALe12nor,data=datDJALretINSA DJALe12norFIT
DJALe21norFIT<-uqarchfit(spec=DJALe21nor,data=datDJALretINSA DJALe21norFIT
DJALe11norFIT<-uqarchfit(spec=DJALe11nor,data=datDJALretINSA DJALg11norFIT
DJALe22norFIT<-uqarchfit(spec=DJALe22nor,data=datDJALretINSA DJALg22norFIT
DJALe12norFIT<-uqarchfit(spec=DJALe12nor,data=datDJALretINSA DJALg12norFIT
DJALe21norFIT<-uqarchfit(spec=DJALe21nor,data=datDJALretINSA DJALg21norFIT
DJALi11norFIT<-uqarchfit(spec=DJALi11nor,data=datDJALretINSA DJALi11norFIT
DJALi22norFIT<-uqarchfit(spec=DJALi22nor,data=datDJALretINSA DJALi22norFIT
DJALi12norFIT<-uqarchfit(spec=DJALi12nor,data=datDJALretINSA DJALi12norFIT
DJALi21norFIT<-uqarchfit(spec=DJALi21nor,data=datDJALretINSA DJALi21norFIT
DJALc11norFIT<-uqarchfit(spec=DJALc11nor,data=datDJALretINSA DJALc11norFIT
DJALc22norFIT<-uqarchfit(spec=DJALc22nor,data=datDJALretINSA DJALc22norFIT
DJALc12norFIT<-uqarchfit(spec=DJALc12nor,data=datDJALretINSA DJALc12norFIT
DJALc21norFIT<-uqarchfit(spec=DJALc21nor,data=datDJALretINSA DJALc21norFIT
```

#Cocoa

```
DJCCs11eedFIT<-uqarchfit(spec=DJCCs11eed,data=datDJCCretINSA DJCCs11gedFIT
DJCCs22eedFIT<-uqarchfit(spec=DJCCs22eed,data=datDJCCretINSA DJCCs22gedFIT
DJCCs12eedFIT<-uqarchfit(spec=DJCCs12eed,data=datDJCCretINSA DJCCs12gedFIT
DJCCs21eedFIT<-uqarchfit(spec=DJCCs21eed,data=datDJCCretINSA DJCCs21gedFIT
DJCCe11eedFIT<-uqarchfit(spec=DJCCe11eed,data=datDJCCretINSA DJCCe11gedFIT
DJCCe22eedFIT<-uqarchfit(spec=DJCCe22eed,data=datDJCCretINSA DJCCe22gedFIT
DJCCe12eedFIT<-uqarchfit(spec=DJCCe12eed,data=datDJCCretINSA DJCCe12gedFIT
DJCCe21eedFIT<-uqarchfit(spec=DJCCe21eed,data=datDJCCretINSA DJCCe21gedFIT
DJCCg11eedFIT<-uqarchfit(spec=DJCCg11eed,data=datDJCCretINSA DJCCg11gedFIT
DJCCg22eedFIT<-uqarchfit(spec=DJCCg22eed,data=datDJCCretINSA DJCCg22gedFIT
DJCCg12eedFIT<-uqarchfit(spec=DJCCg12eed,data=datDJCCretINSA DJCCg12gedFIT
DJCCg21eedFIT<-uqarchfit(spec=DJCCg21eed,data=datDJCCretINSA DJCCg21gedFIT
DJCCi11eedFIT<-uqarchfit(spec=DJCCi11eed,data=datDJCCretINSA DJCCi11gedFIT
DJCCi22eedFIT<-uqarchfit(spec=DJCCi22eed,data=datDJCCretINSA DJCCi22gedFIT
DJCCi12eedFIT<-uqarchfit(spec=DJCCi12eed,data=datDJCCretINSA DJCCi12gedFIT
DJCCi21eedFIT<-uqarchfit(spec=DJCCi21eed,data=datDJCCretINSA DJCCi21gedFIT
DJCCc11eedFIT<-uqarchfit(spec=DJCCc11eed,data=datDJCCretINSA DJCCc11gedFIT
DJCCc22eedFIT<-uqarchfit(spec=DJCCc22eed,data=datDJCCretINSA DJCCc22gedFIT
DJCCc12eedFIT<-uqarchfit(spec=DJCCc12eed,data=datDJCCretINSA DJCCc12gedFIT
DJCCc21eedFIT<-uqarchfit(spec=DJCCc21eed,data=datDJCCretINSA DJCCc21gedFIT

DJCCs11stdFIT<-uqarchfit(spec=DJCCs11std,data=datDJCCretINSA DJCCs11stdFIT
DJCCs22stdFIT<-uqarchfit(spec=DJCCs22std,data=datDJCCretINSA DJCCs22stdFIT
DJCCs12stdFIT<-uqarchfit(spec=DJCCs12std,data=datDJCCretINSA DJCCs12stdFIT
DJCCs21stdFIT<-uqarchfit(spec=DJCCs21std,data=datDJCCretINSA DJCCs21stdFIT
DJCCe11stdFIT<-uqarchfit(spec=DJCCe11std,data=datDJCCretINSA DJCCe11stdFIT
DJCCe22stdFIT<-uqarchfit(spec=DJCCe22std,data=datDJCCretINSA DJCCe22stdFIT
DJCCe12stdFIT<-uqarchfit(spec=DJCCe12std,data=datDJCCretINSA DJCCe12stdFIT
DJCCe21stdFIT<-uqarchfit(spec=DJCCe21std,data=datDJCCretINSA DJCCe21stdFIT
DJCCg11stdFIT<-uqarchfit(spec=DJCCg11std,data=datDJCCretINSA DJCCg11stdFIT
DJCCg22stdFIT<-uqarchfit(spec=DJCCg22std,data=datDJCCretINSA DJCCg22stdFIT
DJCCg12stdFIT<-uqarchfit(spec=DJCCg12std,data=datDJCCretINSA DJCCg12stdFIT
DJCCg21stdFIT<-uqarchfit(spec=DJCCg21std,data=datDJCCretINSA DJCCg21stdFIT
DJCCi11stdFIT<-uqarchfit(spec=DJCCi11std,data=datDJCCretINSA DJCCi11stdFIT
DJCCi22stdFIT<-uqarchfit(spec=DJCCi22std,data=datDJCCretINSA DJCCi22stdFIT
DJCCi12stdFIT<-uqarchfit(spec=DJCCi12std,data=datDJCCretINSA DJCCi12stdFIT
DJCCi21stdFIT<-uqarchfit(spec=DJCCi21std,data=datDJCCretINSA DJCCi21stdFIT
DJCCc11stdFIT<-uqarchfit(spec=DJCCc11std,data=datDJCCretINSA DJCCc11stdFIT
DJCCc22stdFIT<-uqarchfit(spec=DJCCc22std,data=datDJCCretINSA DJCCc22stdFIT
DJCCc12stdFIT<-uqarchfit(spec=DJCCc12std,data=datDJCCretINSA DJCCc12stdFIT
DJCCc21stdFIT<-uqarchfit(spec=DJCCc21std,data=datDJCCretINSA DJCCc21stdFIT

DJCCs11norFIT<-uqarchfit(spec=DJCCs11nor,data=datDJCCretINSA DJCCs11norFIT
DJCCs22norFIT<-uqarchfit(spec=DJCCs22nor,data=datDJCCretINSA DJCCs22norFIT
DJCCs12norFIT<-uqarchfit(spec=DJCCs12nor,data=datDJCCretINSA DJCCs12norFIT
DJCCs21norFIT<-uqarchfit(spec=DJCCs21nor,data=datDJCCretINSA DJCCs21norFIT
DJCCe11norFIT<-uqarchfit(spec=DJCCe11nor,data=datDJCCretINSA DJCCe11norFIT
DJCCe22norFIT<-uqarchfit(spec=DJCCe22nor,data=datDJCCretINSA DJCCe22norFIT
DJCCe12norFIT<-uqarchfit(spec=DJCCe12nor,data=datDJCCretINSA DJCCe12norFIT
DJCCe21norFIT<-uqarchfit(spec=DJCCe21nor,data=datDJCCretINSA DJCCe21norFIT
DJCCg11norFIT<-uqarchfit(spec=DJCCg11nor,data=datDJCCretINSA DJCCg11norFIT
DJCCg22norFIT<-uqarchfit(spec=DJCCg22nor,data=datDJCCretINSA DJCCg22norFIT
DJCCg12norFIT<-uqarchfit(spec=DJCCg12nor,data=datDJCCretINSA DJCCg12norFIT
DJCCg21norFIT<-uqarchfit(spec=DJCCg21nor,data=datDJCCretINSA DJCCg21norFIT
DJCCi11norFIT<-uqarchfit(spec=DJCCi11nor,data=datDJCCretINSA DJCCi11norFIT
DJCCi22norFIT<-uqarchfit(spec=DJCCi22nor,data=datDJCCretINSA DJCCi22norFIT
DJCCi12norFIT<-uqarchfit(spec=DJCCi12nor,data=datDJCCretINSA DJCCi12norFIT
DJCCi21norFIT<-uqarchfit(spec=DJCCi21nor,data=datDJCCretINSA DJCCi21norFIT
DJCCc11norFIT<-uqarchfit(spec=DJCCc11nor,data=datDJCCretINSA DJCCc11norFIT
DJCCc22norFIT<-uqarchfit(spec=DJCCc22nor,data=datDJCCretINSA DJCCc22norFIT
DJCCc12norFIT<-uqarchfit(spec=DJCCc12nor,data=datDJCCretINSA DJCCc12norFIT
DJCCc21norFIT<-uqarchfit(spec=DJCCc21nor,data=datDJCCretINSA DJCCc21norFIT
DJCCa11norFIT<-uqarchfit(spec=DJCCa11nor,data=datDJCCretINSA DJCCa11norFIT
```

#CoffeeFIT

```
DJCFs11eedFIT<-uqarchfit(spec=DJCFs11eed,data=datDJCFretINSA DJCFs11gedFIT
DJCFs22eedFIT<-uqarchfit(spec=DJCFs22eed,data=datDJCFretINSA DJCFs22gedFIT
DJCFs12eedFIT<-uqarchfit(spec=DJCFs12eed,data=datDJCFretINSA DJCFs12gedFIT
DJCFs21eedFIT<-uqarchfit(spec=DJCFs21eed,data=datDJCFretINSA DJCFs21gedFIT
DJCFe11eedFIT<-uqarchfit(spec=DJCFe11eed,data=datDJCFretINSA DJCFe11gedFIT
DJCFe22eedFIT<-uqarchfit(spec=DJCFe22eed,data=datDJCFretINSA DJCFe22gedFIT
DJCFe12eedFIT<-uqarchfit(spec=DJCFe12eed,data=datDJCFretINSA DJCFe12gedFIT
DJCFe21eedFIT<-uqarchfit(spec=DJCFe21eed,data=datDJCFretINSA DJCFe21gedFIT
DJCFg11eedFIT<-uqarchfit(spec=DJCFg11eed,data=datDJCFretINSA DJCFg11gedFIT
DJCFg22eedFIT<-uqarchfit(spec=DJCFg22eed,data=datDJCFretINSA DJCFg22gedFIT
DJCFg12eedFIT<-uqarchfit(spec=DJCFg12eed,data=datDJCFretINSA DJCFg12gedFIT
DJCFg21eedFIT<-uqarchfit(spec=DJCFg21eed,data=datDJCFretINSA DJCFg21gedFIT
DJCFi11eedFIT<-uqarchfit(spec=DJCFi11eed,data=datDJCFretINSA DJCFi11gedFIT
DJCFi22eedFIT<-uqarchfit(spec=DJCFi22eed,data=datDJCFretINSA DJCFi22gedFIT
DJCFi12eedFIT<-uqarchfit(spec=DJCFi12eed,data=datDJCFretINSA DJCFi12gedFIT
DJCFi21eedFIT<-uqarchfit(spec=DJCFi21eed,data=datDJCFretINSA DJCFi21gedFIT
DJCFc11eedFIT<-uqarchfit(spec=DJCFc11eed,data=datDJCFretINSA DJCFc11gedFIT
DJCFc22eedFIT<-uqarchfit(spec=DJCFc22eed,data=datDJCFretINSA DJCFc22gedFIT
DJCFc12eedFIT<-uqarchfit(spec=DJCFc12eed,data=datDJCFretINSA DJCFc12gedFIT
DJCFc21eedFIT<-uqarchfit(spec=DJCFc21eed,data=datDJCFretINSA DJCFc21gedFIT

DJCFs11stdFIT<-uqarchfit(spec=DJCFs11std,data=datDJCFretINSA DJCFs11stdFIT
DJCFs22stdFIT<-uqarchfit(spec=DJCFs22std,data=datDJCFretINSA DJCFs22stdFIT
DJCFs12stdFIT<-uqarchfit(spec=DJCFs12std,data=datDJCFretINSA DJCFs12stdFIT
DJCFs21stdFIT<-uqarchfit(spec=DJCFs21std,data=datDJCFretINSA DJCFs21stdFIT
DJCFe11stdFIT<-uqarchfit(spec=DJCFe11std,data=datDJCFretINSA DJCFe11stdFIT
DJCFe22stdFIT<-uqarchfit(spec=DJCFe22std,data=datDJCFretINSA DJCFe22stdFIT
DJCFe12stdFIT<-uqarchfit(spec=DJCFe12std,data=datDJCFretINSA DJCFe12stdFIT
DJCFe21stdFIT<-uqarchfit(spec=DJCFe21std,data=datDJCFretINSA DJCFe21stdFIT
DJCFe11stdFIT<-uqarchfit(spec=DJCFe11std,data=datDJCFretINSA DJCFg11stdFIT
DJCFe22stdFIT<-uqarchfit(spec=DJCFe22std,data=datDJCFretINSA DJCFg22stdFIT
DJCFe12stdFIT<-uqarchfit(spec=DJCFe12std,data=datDJCFretINSA DJCFg12stdFIT
DJCFg21stdFIT<-uqarchfit(spec=DJCFg21std,data=datDJCFretINSA DJCFg21stdFIT
DJCFi11stdFIT<-uqarchfit(spec=DJCFi11std,data=datDJCFretINSA DJCFi11stdFIT
DJCFi22stdFIT<-uqarchfit(spec=DJCFi22std,data=datDJCFretINSA DJCFi22stdFIT
DJCFi12stdFIT<-uqarchfit(spec=DJCFi12std,data=datDJCFretINSA DJCFi12stdFIT
```

```
D3CFi21stdFIT<-ugarchfit(spec=D3CFi21std,data=datD3CFretINSA D3CFi21stdFIT
D3CFc11stdFIT<-ugarchfit(spec=D3CFc11std,data=datD3CFretINSA D3CFc11stdFIT
D3CFc22stdFIT<-ugarchfit(spec=D3CFc22std,data=datD3CFretINSA D3CFc22stdFIT
D3CFc12stdFIT<-ugarchfit(spec=D3CFc12std,data=datD3CFretINSA D3CFc12stdFIT
D3CFc21stdFIT<-ugarchfit(spec=D3CFc21std,data=datD3CFretINSA D3CFc21stdFIT

D3CFs11norFIT<-ugarchfit(spec=D3CFs11nor,data=datD3CFretINSA D3CFs11norFIT
D3CFs22norFIT<-ugarchfit(spec=D3CFs22nor,data=datD3CFretINSA D3CFs22norFIT
D3CFs12norFIT<-ugarchfit(spec=D3CFs12nor,data=datD3CFretINSA D3CFs12norFIT
D3CFs21norFIT<-ugarchfit(spec=D3CFs21nor,data=datD3CFretINSA D3CFs21norFIT
D3CFe11norFIT<-ugarchfit(spec=D3CFe11nor,data=datD3CFretINSA D3CFe11norFIT
D3CFe22norFIT<-ugarchfit(spec=D3CFe22nor,data=datD3CFretINSA D3CFe22norFIT
D3CFe12norFIT<-ugarchfit(spec=D3CFe12nor,data=datD3CFretINSA D3CFe12norFIT
D3CFe21norFIT<-ugarchfit(spec=D3CFe21nor,data=datD3CFretINSA D3CFe21norFIT
D3CFg11norFIT<-ugarchfit(spec=D3CFe11nor,data=datD3CFretINSA D3CFg11norFIT
D3CFg22norFIT<-ugarchfit(spec=D3CFe22nor,data=datD3CFretINSA D3CFg22norFIT
D3CFg12norFIT<-ugarchfit(spec=D3CFe12nor,data=datD3CFretINSA D3CFg12norFIT
D3CFg21norFIT<-ugarchfit(spec=D3CFe21nor,data=datD3CFretINSA D3CFg21norFIT
D3CFi11norFIT<-ugarchfit(spec=D3CFi11nor,data=datD3CFretINSA D3CFi11norFIT
D3CFi22norFIT<-ugarchfit(spec=D3CFi22nor,data=datD3CFretINSA D3CFi22norFIT
D3CFi12norFIT<-ugarchfit(spec=D3CFi12nor,data=datD3CFretINSA D3CFi12norFIT
D3CFi21norFIT<-ugarchfit(spec=D3CFi21nor,data=datD3CFretINSA D3CFi21norFIT
D3CFc11norFIT<-ugarchfit(spec=D3CFc11nor,data=datD3CFretINSA D3CFc11norFIT
D3CFc22norFIT<-ugarchfit(spec=D3CFc22nor,data=datD3CFretINSA D3CFc22norFIT
D3CFc12norFIT<-ugarchfit(spec=D3CFc12nor,data=datD3CFretINSA D3CFc12norFIT
D3CFc21norFIT<-ugarchfit(spec=D3CFc21nor,data=datD3CFretINSA D3CFc21norFIT
```

##CopperFIT

```
D3CPs11gedFIT<-ugarchfit(spec=D3CPs11ged,data=datD3CPretINSA D3CPs11gedFIT
D3CPs22gedFIT<-ugarchfit(spec=D3CPs22ged,data=datD3CPretINSA D3CPs22gedFIT
D3CPs12gedFIT<-ugarchfit(spec=D3CPs12ged,data=datD3CPretINSA D3CPs12gedFIT
D3CPs21gedFIT<-ugarchfit(spec=D3CPs21ged,data=datD3CPretINSA D3CPs21gedFIT
D3CPe11gedFIT<-ugarchfit(spec=D3CPe11ged,data=datD3CPretINSA D3CPe11gedFIT
D3CPe22gedFIT<-ugarchfit(spec=D3CPe22ged,data=datD3CPretINSA D3CPe22gedFIT
D3CPe12gedFIT<-ugarchfit(spec=D3CPe12ged,data=datD3CPretINSA D3CPe12gedFIT
D3CPe21gedFIT<-ugarchfit(spec=D3CPe21ged,data=datD3CPretINSA D3CPe21gedFIT
D3CPg11gedFIT<-ugarchfit(spec=D3CPg11ged,data=datD3CPretINSA D3CPg11gedFIT
D3CPg22gedFIT<-ugarchfit(spec=D3CPg22ged,data=datD3CPretINSA D3CPg22gedFIT
D3CPg12gedFIT<-ugarchfit(spec=D3CPg12ged,data=datD3CPretINSA D3CPg12gedFIT
D3CPg21gedFIT<-ugarchfit(spec=D3CPg21ged,data=datD3CPretINSA D3CPg21gedFIT
D3CPi11gedFIT<-ugarchfit(spec=D3CPi11ged,data=datD3CPretINSA D3CPi11gedFIT
D3CPi22gedFIT<-ugarchfit(spec=D3CPi22ged,data=datD3CPretINSA D3CPi22gedFIT
D3CPi12gedFIT<-ugarchfit(spec=D3CPi12ged,data=datD3CPretINSA D3CPi12gedFIT
D3CPi21gedFIT<-ugarchfit(spec=D3CPi21ged,data=datD3CPretINSA D3CPi21gedFIT
D3CPc11gedFIT<-ugarchfit(spec=D3CPc11ged,data=datD3CPretINSA D3CPc11gedFIT
D3CPc22gedFIT<-ugarchfit(spec=D3CPc22ged,data=datD3CPretINSA D3CPc22gedFIT
D3CPc12gedFIT<-ugarchfit(spec=D3CPc12ged,data=datD3CPretINSA D3CPc12gedFIT
D3CPc21gedFIT<-ugarchfit(spec=D3CPc21ged,data=datD3CPretINSA D3CPc21gedFIT

D3CPs11stdFIT<-ugarchfit(spec=D3CPs11std,data=datD3CPretINSA D3CPs11stdFIT
D3CPs22stdFIT<-ugarchfit(spec=D3CPs22std,data=datD3CPretINSA D3CPs22stdFIT
D3CPs12stdFIT<-ugarchfit(spec=D3CPs12std,data=datD3CPretINSA D3CPs12stdFIT
D3CPs21stdFIT<-ugarchfit(spec=D3CPs21std,data=datD3CPretINSA D3CPs21stdFIT
D3CPe11stdFIT<-ugarchfit(spec=D3CPe11std,data=datD3CPretINSA D3CPe11stdFIT
D3CPe22stdFIT<-ugarchfit(spec=D3CPe22std,data=datD3CPretINSA D3CPe22stdFIT
D3CPe12stdFIT<-ugarchfit(spec=D3CPe12std,data=datD3CPretINSA D3CPe12stdFIT
D3CPe21stdFIT<-ugarchfit(spec=D3CPe21std,data=datD3CPretINSA D3CPe21stdFIT
D3CPg11stdFIT<-ugarchfit(spec=D3CPe11std,data=datD3CPretINSA D3CPg11stdFIT
D3CPg22stdFIT<-ugarchfit(spec=D3CPe22std,data=datD3CPretINSA D3CPg22stdFIT
D3CPg12stdFIT<-ugarchfit(spec=D3CPe12std,data=datD3CPretINSA D3CPg12stdFIT
D3CPg21stdFIT<-ugarchfit(spec=D3CPe21std,data=datD3CPretINSA D3CPg21stdFIT
D3CPi11stdFIT<-ugarchfit(spec=D3CPi11std,data=datD3CPretINSA D3CPi11stdFIT
D3CPi22stdFIT<-ugarchfit(spec=D3CPi22std,data=datD3CPretINSA D3CPi22stdFIT
D3CPi12stdFIT<-ugarchfit(spec=D3CPi12std,data=datD3CPretINSA D3CPi12stdFIT
D3CPi21stdFIT<-ugarchfit(spec=D3CPi21std,data=datD3CPretINSA D3CPi21stdFIT
D3CPc11stdFIT<-ugarchfit(spec=D3CPc11std,data=datD3CPretINSA D3CPc11stdFIT
D3CPc22stdFIT<-ugarchfit(spec=D3CPc22std,data=datD3CPretINSA D3CPc22stdFIT
D3CPc12stdFIT<-ugarchfit(spec=D3CPc12std,data=datD3CPretINSA D3CPc12stdFIT
D3CPc21stdFIT<-ugarchfit(spec=D3CPc21std,data=datD3CPretINSA D3CPc21stdFIT

D3CPs11norFIT<-ugarchfit(spec=D3CPs11nor,data=datD3CPretINSA D3CPs11norFIT
D3CPs22norFIT<-ugarchfit(spec=D3CPs22nor,data=datD3CPretINSA D3CPs22norFIT
D3CPs12norFIT<-ugarchfit(spec=D3CPs12nor,data=datD3CPretINSA D3CPs12norFIT
D3CPs21norFIT<-ugarchfit(spec=D3CPs21nor,data=datD3CPretINSA D3CPs21norFIT
D3CPe11norFIT<-ugarchfit(spec=D3CPe11nor,data=datD3CPretINSA D3CPe11norFIT
D3CPe22norFIT<-ugarchfit(spec=D3CPe22nor,data=datD3CPretINSA D3CPe22norFIT
D3CPe12norFIT<-ugarchfit(spec=D3CPe12nor,data=datD3CPretINSA D3CPe12norFIT
D3CPe21norFIT<-ugarchfit(spec=D3CPe21nor,data=datD3CPretINSA D3CPe21norFIT
D3CPg11norFIT<-ugarchfit(spec=D3CPg11nor,data=datD3CPretINSA D3CPg11norFIT
D3CPg22norFIT<-ugarchfit(spec=D3CPg22nor,data=datD3CPretINSA D3CPg22norFIT
D3CPe12norFIT<-ugarchfit(spec=D3CPe12nor,data=datD3CPretINSA D3CPg12norFIT
D3CPe21norFIT<-ugarchfit(spec=D3CPe21nor,data=datD3CPretINSA D3CPg21norFIT
D3CPi11norFIT<-ugarchfit(spec=D3CPi11nor,data=datD3CPretINSA D3CPi11norFIT
D3CPi22norFIT<-ugarchfit(spec=D3CPi22nor,data=datD3CPretINSA D3CPi22norFIT
D3CPi12norFIT<-ugarchfit(spec=D3CPi12nor,data=datD3CPretINSA D3CPi12norFIT
D3CPi21norFIT<-ugarchfit(spec=D3CPi21nor,data=datD3CPretINSA D3CPi21norFIT
D3CPc11norFIT<-ugarchfit(spec=D3CPc11nor,data=datD3CPretINSA D3CPc11norFIT
D3CPc22norFIT<-ugarchfit(spec=D3CPc22nor,data=datD3CPretINSA D3CPc22norFIT
D3CPc12norFIT<-ugarchfit(spec=D3CPc12nor,data=datD3CPretINSA D3CPc12norFIT
D3CPc21norFIT<-ugarchfit(spec=D3CPc21nor,data=datD3CPretINSA D3CPc21norFIT
```

##CottonFIT

```
D3CTs11gedFIT<-ugarchfit(spec=D3CTs11ged,data=datD3CTretINSA D3CTs11gedFIT
D3CTs22gedFIT<-ugarchfit(spec=D3CTs22ged,data=datD3CTretINSA D3CTs22gedFIT
D3CTs12gedFIT<-ugarchfit(spec=D3CTs12ged,data=datD3CTretINSA D3CTs12gedFIT
D3CTs21gedFIT<-ugarchfit(spec=D3CTs21ged,data=datD3CTretINSA D3CTs21gedFIT
D3CTe11gedFIT<-ugarchfit(spec=D3CTe11ged,data=datD3CTretINSA D3CTe11gedFIT
D3CTe22gedFIT<-ugarchfit(spec=D3CTe22ged,data=datD3CTretINSA D3CTe22gedFIT
D3CTe12gedFIT<-ugarchfit(spec=D3CTe12ged,data=datD3CTretINSA D3CTe12gedFIT
D3CTe21gedFIT<-ugarchfit(spec=D3CTe21ged,data=datD3CTretINSA D3CTe21gedFIT
D3CTg11gedFIT<-ugarchfit(spec=D3CTg11ged,data=datD3CTretINSA D3CTg11gedFIT
D3CTg22gedFIT<-ugarchfit(spec=D3CTg22ged,data=datD3CTretINSA D3CTg22gedFIT
D3CTg12gedFIT<-ugarchfit(spec=D3CTg12ged,data=datD3CTretINSA D3CTg12gedFIT
D3CTg21gedFIT<-ugarchfit(spec=D3CTg21ged,data=datD3CTretINSA D3CTg21gedFIT
D3CTi11gedFIT<-ugarchfit(spec=D3CTi11ged,data=datD3CTretINSA D3CTi11gedFIT
D3CTi22gedFIT<-ugarchfit(spec=D3CTi22ged,data=datD3CTretINSA D3CTi22gedFIT
D3CTi12gedFIT<-ugarchfit(spec=D3CTi12ged,data=datD3CTretINSA D3CTi12gedFIT
D3CTi21gedFIT<-ugarchfit(spec=D3CTi21ged,data=datD3CTretINSA D3CTi21gedFIT
D3CTc11gedFIT<-ugarchfit(spec=D3CTc11ged,data=datD3CTretINSA D3CTc11gedFIT
D3CTc22gedFIT<-ugarchfit(spec=D3CTc22ged,data=datD3CTretINSA D3CTc22gedFIT
D3CTc12gedFIT<-ugarchfit(spec=D3CTc12ged,data=datD3CTretINSA D3CTc12gedFIT
D3CTc21gedFIT<-ugarchfit(spec=D3CTc21ged,data=datD3CTretINSA D3CTc21gedFIT

D3CTs11stdFIT<-ugarchfit(spec=D3CTs11std,data=datD3CTretINSA D3CTs11stdFIT
D3CTs22stdFIT<-ugarchfit(spec=D3CTs22std,data=datD3CTretINSA D3CTs22stdFIT
D3CTs12stdFIT<-ugarchfit(spec=D3CTs12std,data=datD3CTretINSA D3CTs12stdFIT
D3CTs21stdFIT<-ugarchfit(spec=D3CTs21std,data=datD3CTretINSA D3CTs21stdFIT
D3CTe11stdFIT<-ugarchfit(spec=D3CTe11std,data=datD3CTretINSA D3CTe11stdFIT
D3CTe22stdFIT<-ugarchfit(spec=D3CTe22std,data=datD3CTretINSA D3CTe22stdFIT
D3CTe12stdFIT<-ugarchfit(spec=D3CTe12std,data=datD3CTretINSA D3CTe12stdFIT
D3CTe21stdFIT<-ugarchfit(spec=D3CTe21std,data=datD3CTretINSA D3CTe21stdFIT
D3CTg11stdFIT<-ugarchfit(spec=D3CTe11std,data=datD3CTretINSA D3CTg11stdFIT
D3CTe22stdFIT<-ugarchfit(spec=D3CTe22std,data=datD3CTretINSA D3CTg22stdFIT
D3CTe12stdFIT<-ugarchfit(spec=D3CTe12std,data=datD3CTretINSA D3CTg12stdFIT
D3CTe21stdFIT<-ugarchfit(spec=D3CTe21std,data=datD3CTretINSA D3CTg21stdFIT
D3CTi11stdFIT<-ugarchfit(spec=D3CTi11std,data=datD3CTretINSA D3CTi11stdFIT
D3CTi22stdFIT<-ugarchfit(spec=D3CTi22std,data=datD3CTretINSA D3CTi22stdFIT
D3CTi12stdFIT<-ugarchfit(spec=D3CTi12std,data=datD3CTretINSA D3CTi12stdFIT
D3CTi21stdFIT<-ugarchfit(spec=D3CTi21std,data=datD3CTretINSA D3CTi21stdFIT
D3CTc11stdFIT<-ugarchfit(spec=D3CTc11std,data=datD3CTretINSA D3CTc11stdFIT
D3CTc22stdFIT<-ugarchfit(spec=D3CTc22std,data=datD3CTretINSA D3CTc22stdFIT
D3CTc12stdFIT<-ugarchfit(spec=D3CTc12std,data=datD3CTretINSA D3CTc12stdFIT
D3CTc21stdFIT<-ugarchfit(spec=D3CTc21std,data=datD3CTretINSA D3CTc21stdFIT

D3CTs11norFIT<-ugarchfit(spec=D3CTs11nor,data=datD3CTretINSA D3CTs11norFIT
D3CTs22norFIT<-ugarchfit(spec=D3CTs22nor,data=datD3CTretINSA D3CTs22norFIT
D3CTs12norFIT<-ugarchfit(spec=D3CTs12nor,data=datD3CTretINSA D3CTs12norFIT
D3CTs21norFIT<-ugarchfit(spec=D3CTs21nor,data=datD3CTretINSA D3CTs21norFIT
D3CTe11norFIT<-ugarchfit(spec=D3CTe11nor,data=datD3CTretINSA D3CTe11norFIT
D3CTe22norFIT<-ugarchfit(spec=D3CTe22nor,data=datD3CTretINSA D3CTe22norFIT
D3CTe12norFIT<-ugarchfit(spec=D3CTe12nor,data=datD3CTretINSA D3CTe12norFIT
D3CTe21norFIT<-ugarchfit(spec=D3CTe21nor,data=datD3CTretINSA D3CTe21norFIT
D3CTg11norFIT<-ugarchfit(spec=D3CTg11nor,data=datD3CTretINSA D3CTg11norFIT
D3CTg22norFIT<-ugarchfit(spec=D3CTg22nor,data=datD3CTretINSA D3CTg22norFIT
D3CTg12norFIT<-ugarchfit(spec=D3CTg12nor,data=datD3CTretINSA D3CTg12norFIT
D3CTe21norFIT<-ugarchfit(spec=D3CTe21nor,data=datD3CTretINSA D3CTg21norFIT
D3CTi11norFIT<-ugarchfit(spec=D3CTi11nor,data=datD3CTretINSA D3CTi11norFIT
D3CTi22norFIT<-ugarchfit(spec=D3CTi22nor,data=datD3CTretINSA D3CTi22norFIT
D3CTi12norFIT<-ugarchfit(spec=D3CTi12nor,data=datD3CTretINSA D3CTi12norFIT
D3CTi21norFIT<-ugarchfit(spec=D3CTi21nor,data=datD3CTretINSA D3CTi21norFIT
D3CTc11norFIT<-ugarchfit(spec=D3CTc11nor,data=datD3CTretINSA D3CTc11norFIT
D3CTc22norFIT<-ugarchfit(spec=D3CTc22nor,data=datD3CTretINSA D3CTc22norFIT
D3CTc12norFIT<-ugarchfit(spec=D3CTc12nor,data=datD3CTretINSA D3CTc12norFIT
D3CTc21norFIT<-ugarchfit(spec=D3CTc21nor,data=datD3CTretINSA D3CTc21norFIT
```

##LeadFIT

```
D3LEs11gedFIT<-ugarchfit(spec=D3LEs11ged,data=datD3LEretINSA D3LEs11gedFIT
D3LEs22gedFIT<-ugarchfit(spec=D3LEs22ged,data=datD3LEretINSA D3LEs22gedFIT
D3LEs12gedFIT<-ugarchfit(spec=D3LEs12ged,data=datD3LEretINSA D3LEs12gedFIT
D3LEs21gedFIT<-ugarchfit(spec=D3LEs21ged,data=datD3LEretINSA D3LEs21gedFIT
D3LEe11gedFIT<-ugarchfit(spec=D3LEe11ged,data=datD3LEretINSA D3LEe11gedFIT
D3LEe22gedFIT<-ugarchfit(spec=D3LEe22ged,data=datD3LEretINSA D3LEe22gedFIT
D3LEe12gedFIT<-ugarchfit(spec=D3LEe12ged,data=datD3LEretINSA D3LEe12gedFIT
D3LEe21gedFIT<-ugarchfit(spec=D3LEe21ged,data=datD3LEretINSA D3LEe21gedFIT
D3LEg11gedFIT<-ugarchfit(spec=D3LEe11ged,data=datD3LEretINSA D3LEg11gedFIT
D3LEg22gedFIT<-ugarchfit(spec=D3LEg22ged,data=datD3LEretINSA D3LEg22gedFIT
D3LEg12gedFIT<-ugarchfit(spec=D3LEg12ged,data=datD3LEretINSA D3LEg12gedFIT
D3LEg21gedFIT<-ugarchfit(spec=D3LEg21ged,data=datD3LEretINSA D3LEg21gedFIT
D3LEi11gedFIT<-ugarchfit(spec=D3LEi11ged,data=datD3LEretINSA D3LEi11gedFIT
D3LEi22gedFIT<-ugarchfit(spec=D3LEi22ged,data=datD3LEretINSA D3LEi22gedFIT
D3LEi12gedFIT<-ugarchfit(spec=D3LEi12ged,data=datD3LEretINSA D3LEi12gedFIT
D3LEi21gedFIT<-ugarchfit(spec=D3LEi21ged,data=datD3LEretINSA D3LEi21gedFIT
D3LEc11gedFIT<-ugarchfit(spec=D3LEc11ged,data=datD3LEretINSA D3LEc11gedFIT
D3LEc22gedFIT<-ugarchfit(spec=D3LEc22ged,data=datD3LEretINSA D3LEc22gedFIT
D3LEc12gedFIT<-ugarchfit(spec=D3LEc12ged,data=datD3LEretINSA D3LEc12gedFIT
D3LEc21gedFIT<-ugarchfit(spec=D3LEc21ged,data=datD3LEretINSA D3LEc21gedFIT

D3LEs11stdFIT<-ugarchfit(spec=D3LEs11std,data=datD3LEretINSA D3LEs11stdFIT
D3LEs22stdFIT<-ugarchfit(spec=D3LEs22std,data=datD3LEretINSA D3LEs22stdFIT
D3LEs12stdFIT<-ugarchfit(spec=D3LEs12std,data=datD3LEretINSA D3LEs12stdFIT
D3LEs21stdFIT<-ugarchfit(spec=D3LEs21std,data=datD3LEretINSA D3LEs21stdFIT
D3LEe11stdFIT<-ugarchfit(spec=D3LEe11std,data=datD3LEretINSA D3LEe11stdFIT
D3LEe22stdFIT<-ugarchfit(spec=D3LEe22std,data=datD3LEretINSA D3LEe22stdFIT
D3LEe12stdFIT<-ugarchfit(spec=D3LEe12std,data=datD3LEretINSA D3LEe12stdFIT
D3LEe21stdFIT<-ugarchfit(spec=D3LEe21std,data=datD3LEretINSA D3LEe21stdFIT
D3LEe11stdFIT<-ugarchfit(spec=D3LEe11std,data=datD3LEretINSA D3LEg11stdFIT
D3LEe22stdFIT<-ugarchfit(spec=D3LEe22std,data=datD3LEretINSA D3LEg22stdFIT
D3LEe12stdFIT<-ugarchfit(spec=D3LEe12std,data=datD3LEretINSA D3LEg12stdFIT
D3LEe21stdFIT<-ugarchfit(spec=D3LEe21std,data=datD3LEretINSA D3LEg21stdFIT
D3LEi11stdFIT<-ugarchfit(spec=D3LEi11std,data=datD3LEretINSA D3LEi11stdFIT
D3LEi22stdFIT<-ugarchfit(spec=D3LEi22std,data=datD3LEretINSA D3LEi22stdFIT
D3LEi12stdFIT<-ugarchfit(spec=D3LEi12std,data=datD3LEretINSA D3LEi12stdFIT
D3LEi21stdFIT<-ugarchfit(spec=D3LEi21std,data=datD3LEretINSA D3LEi21stdFIT
D3LEc11stdFIT<-ugarchfit(spec=D3LEc11std,data=datD3LEretINSA D3LEc11stdFIT
D3LEc22stdFIT<-ugarchfit(spec=D3LEc22std,data=datD3LEretINSA D3LEc22stdFIT
```

```
DJLEc12stdFIT<-ugarchfit(spec=DJLEc12std,data=datDJLEretINSA DJLEc12stdFIT
DJLEc21stdFIT<-ugarchfit(spec=DJLEc21std,data=datDJLEretINSA DJLEc21stdFIT

DJLEs11norFIT<-ugarchfit(spec=DJLEs11nor.data=datDJLEretINSA DJLEs11norFIT
DJLEs22norFIT<-ugarchfit(spec=DJLEs22nor.data=datDJLEretINSA DJLEs22norFIT
DJLEs12norFIT<-ugarchfit(spec=DJLEs12nor.data=datDJLEretINSA DJLEs12norFIT
DJLEs21norFIT<-ugarchfit(spec=DJLEs21nor.data=datDJLEretINSA DJLEs21norFIT
DJLEe11norFIT<-ugarchfit(spec=DJLEe11nor.data=datDJLEretINSA DJLEe11norFIT
DJLEe22norFIT<-ugarchfit(spec=DJLEe22nor.data=datDJLEretINSA DJLEe22norFIT
DJLEe12norFIT<-ugarchfit(spec=DJLEe12nor.data=datDJLEretINSA DJLEe12norFIT
DJLEe21norFIT<-ugarchfit(spec=DJLEe21nor.data=datDJLEretINSA DJLEe21norFIT
DJLEg11norFIT<-ugarchfit(spec=DJLEg11nor.data=datDJLEretINSA DJLEg11norFIT
DJLEg22norFIT<-ugarchfit(spec=DJLEg22nor.data=datDJLEretINSA DJLEg22norFIT
DJLEg12norFIT<-ugarchfit(spec=DJLEg12nor.data=datDJLEretINSA DJLEg12norFIT
DJLEe21norFIT<-ugarchfit(spec=DJLEe21nor.data=datDJLEretINSA DJLEg21norFIT
DJLEi11norFIT<-ugarchfit(spec=DJLEi11nor.data=datDJLEretINSA DJLEi11norFIT
DJLEi22norFIT<-ugarchfit(spec=DJLEi22nor.data=datDJLEretINSA DJLEi22norFIT
DJLEi12norFIT<-ugarchfit(spec=DJLEi12nor.data=datDJLEretINSA DJLEi12norFIT
DJLEi21norFIT<-ugarchfit(spec=DJLEi21nor.data=datDJLEretINSA DJLEi21norFIT
DJLEc11norFIT<-ugarchfit(spec=DJLEc11nor.data=datDJLEretINSA DJLEc11norFIT
DJLEc22norFIT<-ugarchfit(spec=DJLEc22nor.data=datDJLEretINSA DJLEc22norFIT
DJLEc12norFIT<-ugarchfit(spec=DJLEc12nor.data=datDJLEretINSA DJLEc12norFIT
DJLEc21norFIT<-ugarchfit(spec=DJLEc21nor.data=datDJLEretINSA DJLEc21norFIT
```

##GoldFIT

```
DJGOs11gedFIT<-ugarchfit(spec=DJGOs11ged,data=datDJGOretINSA DJGOs11gedFIT
DJGOs22gedFIT<-ugarchfit(spec=DJGOs22ged,data=datDJGOretINSA DJGOs22gedFIT
DJGOs12gedFIT<-ugarchfit(spec=DJGOs12ged.data=datDJGOretINSA DJGOs12gedFIT
DJGOs21gedFIT<-ugarchfit(spec=DJGOs21ged.data=datDJGOretINSA DJGOs21gedFIT
DJGOe11gedFIT<-ugarchfit(spec=DJGOe11ged.data=datDJGOretINSA DJGOe11gedFIT
DJGOe22gedFIT<-ugarchfit(spec=DJGOe22ged.data=datDJGOretINSA DJGOe22gedFIT
DJGOe12gedFIT<-ugarchfit(spec=DJGOe12ged.data=datDJGOretINSA DJGOe12gedFIT
DJGOe21gedFIT<-ugarchfit(spec=DJGOe21ged.data=datDJGOretINSA DJGOe21gedFIT
DJGOe11gedFIT<-ugarchfit(spec=DJGOe11ged.data=datDJGOretINSA DJGOg11gedFIT
DJGOg22gedFIT<-ugarchfit(spec=DJGOg22ged,data=datDJGOretINSA DJGOg22gedFIT
DJGOg12gedFIT<-ugarchfit(spec=DJGOg12ged,data=datDJGOretINSA DJGOg12gedFIT
DJGOg21gedFIT<-ugarchfit(spec=DJGOg21ged,data=datDJGOretINSA DJGOg21gedFIT
DJGOi11gedFIT<-ugarchfit(spec=DJGOi11ged,data=datDJGOretINSA DJGOi11gedFIT
DJGOi22gedFIT<-ugarchfit(spec=DJGOi22ged,data=datDJGOretINSA DJGOi22gedFIT
DJGOi12gedFIT<-ugarchfit(spec=DJGOi12ged,data=datDJGOretINSA DJGOi12gedFIT
DJGOi21gedFIT<-ugarchfit(spec=DJGOi21ged,data=datDJGOretINSA DJGOi21gedFIT
DJGOc11gedFIT<-ugarchfit(spec=DJGOc11ged,data=datDJGOretINSA DJGOc11gedFIT
DJGOc22gedFIT<-ugarchfit(spec=DJGOc22ged,data=datDJGOretINSA DJGOc22gedFIT
DJGOc12gedFIT<-ugarchfit(spec=DJGOc12ged,data=datDJGOretINSA DJGOc12gedFIT
DJGOc21gedFIT<-ugarchfit(spec=DJGOc21ged,data=datDJGOretINSA DJGOc21gedFIT

DJGOs11stdFIT<-ugarchfit(spec=DJGOs11std.data=datDJGOretINSA DJGOs11stdFIT
DJGOs22stdFIT<-ugarchfit(spec=DJGOs22std,data=datDJGOretINSA DJGOs22stdFIT
DJGOs12stdFIT<-ugarchfit(spec=DJGOs12std,data=datDJGOretINSA DJGOs12stdFIT
DJGOs21stdFIT<-ugarchfit(spec=DJGOs21std,data=datDJGOretINSA DJGOs21stdFIT
DJGOe11stdFIT<-ugarchfit(spec=DJGOe11std,data=datDJGOretINSA DJGOe11stdFIT
DJGOe22stdFIT<-ugarchfit(spec=DJGOe22std,data=datDJGOretINSA DJGOe22stdFIT
DJGOe12stdFIT<-ugarchfit(spec=DJGOe12std,data=datDJGOretINSA DJGOe12stdFIT
DJGOe21stdFIT<-ugarchfit(spec=DJGOe21std,data=datDJGOretINSA DJGOe21stdFIT
DJGOe11stdFIT<-ugarchfit(spec=DJGOe11std.data=datDJGOretINSA DJGOg11stdFIT
DJGOe22stdFIT<-ugarchfit(spec=DJGOe22std.data=datDJGOretINSA DJGOg22stdFIT
DJGOe12stdFIT<-ugarchfit(spec=DJGOe12std.data=datDJGOretINSA DJGOg12stdFIT
DJGOe21stdFIT<-ugarchfit(spec=DJGOe21std.data=datDJGOretINSA DJGOg21stdFIT
DJGOi11stdFIT<-ugarchfit(spec=DJGOi11std.data=datDJGOretINSA DJGOi11stdFIT
DJGOi22stdFIT<-ugarchfit(spec=DJGOi22std.data=datDJGOretINSA DJGOi22stdFIT
DJGOi12stdFIT<-ugarchfit(spec=DJGOi12std.data=datDJGOretINSA DJGOi12stdFIT
DJGOi21stdFIT<-ugarchfit(spec=DJGOi21std.data=datDJGOretINSA DJGOi21stdFIT
DJGOc11stdFIT<-ugarchfit(spec=DJGOc11std,data=datDJGOretINSA DJGOc11stdFIT
DJGOc22stdFIT<-ugarchfit(spec=DJGOc22std,data=datDJGOretINSA DJGOc22stdFIT
DJGOc12stdFIT<-ugarchfit(spec=DJGOc12std,data=datDJGOretINSA DJGOc12stdFIT
DJGOc21stdFIT<-ugarchfit(spec=DJGOc21std,data=datDJGOretINSA DJGOc21stdFIT

DJGOs11norFIT<-ugarchfit(spec=DJGOs11nor.data=datDJGOretINSA DJGOs11norFIT
DJGOs22norFIT<-ugarchfit(spec=DJGOs22nor.data=datDJGOretINSA DJGOs22norFIT
DJGOs12norFIT<-ugarchfit(spec=DJGOs12nor.data=datDJGOretINSA DJGOs12norFIT
DJGOs21norFIT<-ugarchfit(spec=DJGOs21nor.data=datDJGOretINSA DJGOs21norFIT
DJGOe11norFIT<-ugarchfit(spec=DJGOe11nor.data=datDJGOretINSA DJGOe11norFIT
DJGOe22norFIT<-ugarchfit(spec=DJGOe22nor.data=datDJGOretINSA DJGOe22norFIT
DJGOe12norFIT<-ugarchfit(spec=DJGOe12nor.data=datDJGOretINSA DJGOe12norFIT
DJGOe21norFIT<-ugarchfit(spec=DJGOe21nor.data=datDJGOretINSA DJGOe21norFIT
DJGOg11norFIT<-ugarchfit(spec=DJGOg11nor.data=datDJGOretINSA DJGOg11norFIT
DJGOg22norFIT<-ugarchfit(spec=DJGOg22nor.data=datDJGOretINSA DJGOg22norFIT
DJGOg12norFIT<-ugarchfit(spec=DJGOg12nor.data=datDJGOretINSA DJGOg12norFIT
DJGOg21norFIT<-ugarchfit(spec=DJGOg21nor.data=datDJGOretINSA DJGOg21norFIT
DJGOi11norFIT<-ugarchfit(spec=DJGOi11nor.data=datDJGOretINSA DJGOi11norFIT
DJGOi22norFIT<-ugarchfit(spec=DJGOi22nor.data=datDJGOretINSA DJGOi22norFIT
DJGOi12norFIT<-ugarchfit(spec=DJGOi12nor.data=datDJGOretINSA DJGOi12norFIT
DJGOi21norFIT<-ugarchfit(spec=DJGOi21nor.data=datDJGOretINSA DJGOi21norFIT
DJGOc11norFIT<-ugarchfit(spec=DJGOc11nor.data=datDJGOretINSA DJGOc11norFIT
DJGOc22norFIT<-ugarchfit(spec=DJGOc22nor.data=datDJGOretINSA DJGOc22norFIT
DJGOc12norFIT<-ugarchfit(spec=DJGOc12nor.data=datDJGOretINSA DJGOc12norFIT
DJGOc21norFIT<-ugarchfit(spec=DJGOc21nor.data=datDJGOretINSA DJGOc21norFIT
```

##NickelFIT

```
DJNIs11gedFIT<-ugarchfit(spec=DJNIs11ged,data=datDJNIretINSA DJNIs11gedFIT
DJNIs22gedFIT<-ugarchfit(spec=DJNIs22ged,data=datDJNIretINSA DJNIs22gedFIT
DJNIs12gedFIT<-ugarchfit(spec=DJNIs12ged,data=datDJNIretINSA DJNIs12gedFIT
DJNIs21gedFIT<-ugarchfit(spec=DJNIs21ged,data=datDJNIretINSA DJNIs21gedFIT
DJNIe11gedFIT<-ugarchfit(spec=DJNIe11ged.data=datDJNIretINSA DJNIe11gedFIT
DJNIe22gedFIT<-ugarchfit(spec=DJNIe22ged.data=datDJNIretINSA DJNIe22gedFIT
DJNIe12gedFIT<-ugarchfit(spec=DJNIe12ged.data=datDJNIretINSA DJNIe12gedFIT
DJNIe21gedFIT<-ugarchfit(spec=DJNIe21ged.data=datDJNIretINSA DJNIe21gedFIT
DJNIe11gedFIT<-ugarchfit(spec=DJNIe11ged.data=datDJNIretINSA DJNIg11gedFIT
DJNIe22gedFIT<-ugarchfit(spec=DJNIe22ged.data=datDJNIretINSA DJNIg22gedFIT
DJNIg12gedFIT<-ugarchfit(spec=DJNIg12ged,data=datDJNIretINSA DJNIg12gedFIT
DJNIg21gedFIT<-ugarchfit(spec=DJNIg21ged,data=datDJNIretINSA DJNIg21gedFIT
DJNIi11gedFIT<-ugarchfit(spec=DJNIi11ged,data=datDJNIretINSA DJNIi11gedFIT
DJNIi22gedFIT<-ugarchfit(spec=DJNIi22ged,data=datDJNIretINSA DJNIi22gedFIT
DJNIi12gedFIT<-ugarchfit(spec=DJNIi12ged,data=datDJNIretINSA DJNIi12gedFIT
DJNIi21gedFIT<-ugarchfit(spec=DJNIi21ged,data=datDJNIretINSA DJNIi21gedFIT
DJNIc11gedFIT<-ugarchfit(spec=DJNIc11ged,data=datDJNIretINSA DJNIc11gedFIT
DJNIc22gedFIT<-ugarchfit(spec=DJNIc22ged,data=datDJNIretINSA DJNIc22gedFIT
DJNIc12gedFIT<-ugarchfit(spec=DJNIc12ged,data=datDJNIretINSA DJNIc12gedFIT
DJNIc21gedFIT<-ugarchfit(spec=DJNIc21ged,data=datDJNIretINSA DJNIc21gedFIT

DJNIs11stdFIT<-ugarchfit(spec=DJNIs11std.data=datDJNIretINSA DJNIs11stdFIT
DJNIs22stdFIT<-ugarchfit(spec=DJNIs22std,data=datDJNIretINSA DJNIs22stdFIT
DJNIs12stdFIT<-ugarchfit(spec=DJNIs12std,data=datDJNIretINSA DJNIs12stdFIT
DJNIs21stdFIT<-ugarchfit(spec=DJNIs21std,data=datDJNIretINSA DJNIs21stdFIT
DJNIe11stdFIT<-ugarchfit(spec=DJNIe11std,data=datDJNIretINSA DJNIe11stdFIT
DJNIe22stdFIT<-ugarchfit(spec=DJNIe22std,data=datDJNIretINSA DJNIe22stdFIT
DJNIe12stdFIT<-ugarchfit(spec=DJNIe12std,data=datDJNIretINSA DJNIe12stdFIT
DJNIe21stdFIT<-ugarchfit(spec=DJNIe21std,data=datDJNIretINSA DJNIe21stdFIT
DJNIg11stdFIT<-ugarchfit(spec=DJNIg11std,data=datDJNIretINSA DJNIg11stdFIT
DJNIe22stdFIT<-ugarchfit(spec=DJNIe22std,data=datDJNIretINSA DJNIg22stdFIT
DJNIe12stdFIT<-ugarchfit(spec=DJNIe12std.data=datDJNIretINSA DJNIg12stdFIT
DJNIe21stdFIT<-ugarchfit(spec=DJNIe21std.data=datDJNIretINSA DJNIg21stdFIT
DJNIi11stdFIT<-ugarchfit(spec=DJNIi11std.data=datDJNIretINSA DJNIi11stdFIT
DJNIi22stdFIT<-ugarchfit(spec=DJNIi22std.data=datDJNIretINSA DJNIi22stdFIT
DJNIi12stdFIT<-ugarchfit(spec=DJNIi12std.data=datDJNIretINSA DJNIi12stdFIT
DJNIi21stdFIT<-ugarchfit(spec=DJNIi21std.data=datDJNIretINSA DJNIi21stdFIT
DJNIc11stdFIT<-ugarchfit(spec=DJNIc11std,data=datDJNIretINSA DJNIc11stdFIT
DJNIc22stdFIT<-ugarchfit(spec=DJNIc22std,data=datDJNIretINSA DJNIc22stdFIT
DJNIc12stdFIT<-ugarchfit(spec=DJNIc12std,data=datDJNIretINSA DJNIc12stdFIT
DJNIc21stdFIT<-ugarchfit(spec=DJNIc21std,data=datDJNIretINSA DJNIc21stdFIT

DJNIs11norFIT<-ugarchfit(spec=DJNIs11nor.data=datDJNIretINSA DJNIs11norFIT
DJNIs22norFIT<-ugarchfit(spec=DJNIs22nor.data=datDJNIretINSA DJNIs22norFIT
DJNIs12norFIT<-ugarchfit(spec=DJNIs12nor.data=datDJNIretINSA DJNIs12norFIT
DJNIs21norFIT<-ugarchfit(spec=DJNIs21nor.data=datDJNIretINSA DJNIs21norFIT
DJNIe11norFIT<-ugarchfit(spec=DJNIe11nor.data=datDJNIretINSA DJNIe11norFIT
DJNIe22norFIT<-ugarchfit(spec=DJNIe22nor.data=datDJNIretINSA DJNIe22norFIT
DJNIe12norFIT<-ugarchfit(spec=DJNIe12nor.data=datDJNIretINSA DJNIe12norFIT
DJNIe21norFIT<-ugarchfit(spec=DJNIe21nor.data=datDJNIretINSA DJNIe21norFIT
DJNIg11norFIT<-ugarchfit(spec=DJNIg11nor.data=datDJNIretINSA DJNIg11norFIT
DJNIg22norFIT<-ugarchfit(spec=DJNIg22nor.data=datDJNIretINSA DJNIg22norFIT
DJNIg12norFIT<-ugarchfit(spec=DJNIg12nor.data=datDJNIretINSA DJNIg12norFIT
DJNIg21norFIT<-ugarchfit(spec=DJNIg21nor.data=datDJNIretINSA DJNIg21norFIT
DJNIi11norFIT<-ugarchfit(spec=DJNIi11nor.data=datDJNIretINSA DJNIi11norFIT
DJNIi22norFIT<-ugarchfit(spec=DJNIi22nor.data=datDJNIretINSA DJNIi22norFIT
DJNIi12norFIT<-ugarchfit(spec=DJNIi12nor.data=datDJNIretINSA DJNIi12norFIT
DJNIi21norFIT<-ugarchfit(spec=DJNIi21nor.data=datDJNIretINSA DJNIi21norFIT
DJNIc11norFIT<-ugarchfit(spec=DJNIc11nor.data=datDJNIretINSA DJNIc11norFIT
DJNIc22norFIT<-ugarchfit(spec=DJNIc22nor.data=datDJNIretINSA DJNIc22norFIT
DJNIc12norFIT<-ugarchfit(spec=DJNIc12nor.data=datDJNIretINSA DJNIc12norFIT
DJNIc21norFIT<-ugarchfit(spec=DJNIc21nor.data=datDJNIretINSA DJNIc21norFIT
```

##SilverFIT

```
DJSIs11gedFIT<-ugarchfit(spec=DJSIs11ged,data=datDJSIretINSA DJSIs11gedFIT
DJSIs22gedFIT<-ugarchfit(spec=DJSIs22ged,data=datDJSIretINSA DJSIs22gedFIT
DJSIs12gedFIT<-ugarchfit(spec=DJSIs12ged,data=datDJSIretINSA DJSIs12gedFIT
DJSIs21gedFIT<-ugarchfit(spec=DJSIs21ged,data=datDJSIretINSA DJSIs21gedFIT
DJSIe11gedFIT<-ugarchfit(spec=DJSIe11ged,data=datDJSIretINSA DJSIe11gedFIT
DJSIe22gedFIT<-ugarchfit(spec=DJSIe22ged.data=datDJSIretINSA DJSIe22gedFIT
DJSIe12gedFIT<-ugarchfit(spec=DJSIe12ged.data=datDJSIretINSA DJSIe12gedFIT
DJSIe21gedFIT<-ugarchfit(spec=DJSIe21ged.data=datDJSIretINSA DJSIe21gedFIT
DJSIe11gedFIT<-ugarchfit(spec=DJSIe11ged.data=datDJSIretINSA DJSIg11gedFIT
DJSIe22gedFIT<-ugarchfit(spec=DJSIe22ged.data=datDJSIretINSA DJSIg22gedFIT
DJSIe12gedFIT<-ugarchfit(spec=DJSIe12ged.data=datDJSIretINSA DJSIg12gedFIT
DJSIe21gedFIT<-ugarchfit(spec=DJSIe21ged.data=datDJSIretINSA DJSIg21gedFIT
DJSIi11gedFIT<-ugarchfit(spec=DJSIi11ged,data=datDJSIretINSA DJSIi11gedFIT
DJSIi12gedFIT<-ugarchfit(spec=DJSIi12ged,data=datDJSIretINSA DJSIi12gedFIT
DJSIi22gedFIT<-ugarchfit(spec=DJSIi22ged,data=datDJSIretINSA DJSIi22gedFIT
DJSIi21gedFIT<-ugarchfit(spec=DJSIi21ged,data=datDJSIretINSA DJSIi21gedFIT
DJSIc11gedFIT<-ugarchfit(spec=DJSIc11ged,data=datDJSIretINSA DJSIc11gedFIT
DJSIc22gedFIT<-ugarchfit(spec=DJSIc22ged,data=datDJSIretINSA DJSIc22gedFIT
DJSIc12gedFIT<-ugarchfit(spec=DJSIc12ged,data=datDJSIretINSA DJSIc12gedFIT
DJSIc21gedFIT<-ugarchfit(spec=DJSIc21ged.data=datDJSIretINSA DJSIc21gedFIT

DJSIs11stdFIT<-ugarchfit(spec=DJSIs11std.data=datDJSIretINSA DJSIs11stdFIT
DJSIs22stdFIT<-ugarchfit(spec=DJSIs22std.data=datDJSIretINSA DJSIs22stdFIT
DJSIs12stdFIT<-ugarchfit(spec=DJSIs12std.data=datDJSIretINSA DJSIs12stdFIT
DJSIs21stdFIT<-ugarchfit(spec=DJSIs21std.data=datDJSIretINSA DJSIs21stdFIT
DJSIe11stdFIT<-ugarchfit(spec=DJSIe11std.data=datDJSIretINSA DJSIe11stdFIT
DJSIe22stdFIT<-ugarchfit(spec=DJSIe22std.data=datDJSIretINSA DJSIe22stdFIT
DJSIe12stdFIT<-ugarchfit(spec=DJSIe12std.data=datDJSIretINSA DJSIe12stdFIT
DJSIe21stdFIT<-ugarchfit(spec=DJSIe21std.data=datDJSIretINSA DJSIe21stdFIT
DJSIg11stdFIT<-ugarchfit(spec=DJSIg11std.data=datDJSIretINSA DJSIg11stdFIT
DJSIg22stdFIT<-ugarchfit(spec=DJSIg22std.data=datDJSIretINSA DJSIg22stdFIT
DJSIg12stdFIT<-ugarchfit(spec=DJSIg12std.data=datDJSIretINSA DJSIg12stdFIT
DJSIe21stdFIT<-ugarchfit(spec=DJSIe21std.data=datDJSIretINSA DJSIg21stdFIT
DJSIi11stdFIT<-ugarchfit(spec=DJSIi11std.data=datDJSIretINSA DJSIi11stdFIT
DJSIi22stdFIT<-ugarchfit(spec=DJSIi22std.data=datDJSIretINSA DJSIi22stdFIT
DJSIi12stdFIT<-ugarchfit(spec=DJSIi12std.data=datDJSIretINSA DJSIi12stdFIT
DJSIi21stdFIT<-ugarchfit(spec=DJSIi21std.data=datDJSIretINSA DJSIi21stdFIT
DJSIc11stdFIT<-ugarchfit(spec=DJSIc11std.data=datDJSIretINSA DJSIc11stdFIT
DJSIc22stdFIT<-ugarchfit(spec=DJSIc22std.data=datDJSIretINSA DJSIc22stdFIT
DJSIc12stdFIT<-ugarchfit(spec=DJSIc12std,data=datDJSIretINSA DJSIc12stdFIT
DJSIc21stdFIT<-ugarchfit(spec=DJSIc21std,data=datDJSIretINSA DJSIc21stdFIT
```

```
DJSIs11norFIT<-ugarchfit(spec=DJSIs11nor,data=datDJSIretINSA DJSIs11norFIT
DJSIs22norFIT<-ugarchfit(spec=DJSIs22nor,data=datDJSIretINSA DJSIs22norFIT
DJSIs12norFIT<-ugarchfit(spec=DJSIs12nor,data=datDJSIretINSA DJSIs12norFIT
DJSIs21norFIT<-ugarchfit(spec=DJSIs21nor,data=datDJSIretINSA DJSIs21norFIT
DJSIe11norFIT<-ugarchfit(spec=DJSIe11nor,data=datDJSIretINSA DJSIe11norFIT
DJSIe22norFIT<-ugarchfit(spec=DJSIe22nor,data=datDJSIretINSA DJSIe22norFIT
DJSIe12norFIT<-ugarchfit(spec=DJSIe12nor,data=datDJSIretINSA DJSIe12norFIT
DJSIe21norFIT<-ugarchfit(spec=DJSIe21nor,data=datDJSIretINSA DJSIe21norFIT
DJSIg11norFIT<-ugarchfit(spec=DJSIg11nor,data=datDJSIretINSA DJSIg11norFIT
DJSIg22norFIT<-ugarchfit(spec=DJSIg22nor,data=datDJSIretINSA DJSIg22norFIT
DJSIg12norFIT<-ugarchfit(spec=DJSIg12nor,data=datDJSIretINSA DJSIg12norFIT
DJSIg21norFIT<-ugarchfit(spec=DJSIg21nor,data=datDJSIretINSA DJSIg21norFIT
DJSIi11norFIT<-ugarchfit(spec=DJSIi11nor,data=datDJSIretINSA DJSIi11norFIT
DJSIi22norFIT<-ugarchfit(spec=DJSIi22nor,data=datDJSIretINSA DJSIi22norFIT
DJSIi12norFIT<-ugarchfit(spec=DJSIi12nor,data=datDJSIretINSA DJSIi12norFIT
DJSIi21norFIT<-ugarchfit(spec=DJSIi21nor,data=datDJSIretINSA DJSIi21norFIT
DJSIc11norFIT<-ugarchfit(spec=DJSIc11nor,data=datDJSIretINSA DJSIc11norFIT
DJSIc22norFIT<-ugarchfit(spec=DJSIc22nor,data=datDJSIretINSA DJSIc22norFIT
DJSIc12norFIT<-ugarchfit(spec=DJSIc12nor,data=datDJSIretINSA DJSIc12norFIT
DJSIc21norFIT<-ugarchfit(spec=DJSIc21nor,data=datDJSIretINSA DJSIc21norFIT
```

##SugarFIT

```
DJSUs11gedFIT<-ugarchfit(spec=DJSUs11ged,data=datDJSUretINSA DJSUs11gedFIT
DJSUs22gedFIT<-ugarchfit(spec=DJSUs22ged,data=datDJSUretINSA DJSUs22gedFIT
DJSUs12gedFIT<-ugarchfit(spec=DJSUs12ged,data=datDJSUretINSA DJSUs12gedFIT
DJSUs21gedFIT<-ugarchfit(spec=DJSUs21ged,data=datDJSUretINSA DJSUs21gedFIT
DJSUe11gedFIT<-ugarchfit(spec=DJSUe11ged,data=datDJSUretINSA DJSUe11gedFIT
DJSUe22gedFIT<-ugarchfit(spec=DJSUe22ged,data=datDJSUretINSA DJSUe22gedFIT
DJSUe12gedFIT<-ugarchfit(spec=DJSUe12ged,data=datDJSUretINSA DJSUe12gedFIT
DJSUe21gedFIT<-ugarchfit(spec=DJSUe21ged,data=datDJSUretINSA DJSUe21gedFIT
DJSUg11gedFIT<-ugarchfit(spec=DJSUg11ged,data=datDJSUretINSA DJSUg11gedFIT
DJSUg22gedFIT<-ugarchfit(spec=DJSUg22ged,data=datDJSUretINSA DJSUg22gedFIT
DJSUg12gedFIT<-ugarchfit(spec=DJSUg12ged,data=datDJSUretINSA DJSUg12gedFIT
DJSUg21gedFIT<-ugarchfit(spec=DJSUg21ged,data=datDJSUretINSA DJSUg21gedFIT
DJSUi11gedFIT<-ugarchfit(spec=DJSUi11ged,data=datDJSUretINSA DJSUi11gedFIT
DJSUi22gedFIT<-ugarchfit(spec=DJSUi22ged,data=datDJSUretINSA DJSUi22gedFIT
DJSUi12gedFIT<-ugarchfit(spec=DJSUi12ged,data=datDJSUretINSA DJSUi12gedFIT
DJSUi21gedFIT<-ugarchfit(spec=DJSUi21ged,data=datDJSUretINSA DJSUi21gedFIT
DJSUc11gedFIT<-ugarchfit(spec=DJSUc11ged,data=datDJSUretINSA DJSUc11gedFIT
DJSUc22gedFIT<-ugarchfit(spec=DJSUc22ged,data=datDJSUretINSA DJSUc22gedFIT
DJSUc12gedFIT<-ugarchfit(spec=DJSUc12ged,data=datDJSUretINSA DJSUc12gedFIT
DJSUc21gedFIT<-ugarchfit(spec=DJSUc21ged,data=datDJSUretINSA DJSUc21gedFIT

DJSUs11stdFIT<-ugarchfit(spec=DJSUs11std,data=datDJSUretINSA DJSUs11stdFIT
DJSUs22stdFIT<-ugarchfit(spec=DJSUs22std,data=datDJSUretINSA DJSUs22stdFIT
DJSUs12stdFIT<-ugarchfit(spec=DJSUs12std,data=datDJSUretINSA DJSUs12stdFIT
DJSUs21stdFIT<-ugarchfit(spec=DJSUs21std,data=datDJSUretINSA DJSUs21stdFIT
DJSUe11stdFIT<-ugarchfit(spec=DJSUe11std,data=datDJSUretINSA DJSUe11stdFIT
DJSUe22stdFIT<-ugarchfit(spec=DJSUe22std,data=datDJSUretINSA DJSUe22stdFIT
DJSUe12stdFIT<-ugarchfit(spec=DJSUe12std,data=datDJSUretINSA DJSUe12stdFIT
DJSUe21stdFIT<-ugarchfit(spec=DJSUe21std,data=datDJSUretINSA DJSUe21stdFIT
DJSUg11stdFIT<-ugarchfit(spec=DJSUg11std,data=datDJSUretINSA DJSUg11stdFIT
DJSUg22stdFIT<-ugarchfit(spec=DJSUg22std,data=datDJSUretINSA DJSUg22stdFIT
DJSUg12stdFIT<-ugarchfit(spec=DJSUg12std,data=datDJSUretINSA DJSUg12stdFIT
DJSUg21stdFIT<-ugarchfit(spec=DJSUg21std,data=datDJSUretINSA DJSUg21stdFIT
DJSUi11stdFIT<-ugarchfit(spec=DJSUi11std,data=datDJSUretINSA DJSUi11stdFIT
DJSUi22stdFIT<-ugarchfit(spec=DJSUi22std,data=datDJSUretINSA DJSUi22stdFIT
DJSUi12stdFIT<-ugarchfit(spec=DJSUi12std,data=datDJSUretINSA DJSUi12stdFIT
DJSUi21stdFIT<-ugarchfit(spec=DJSUi21std,data=datDJSUretINSA DJSUi21stdFIT
DJSUc11stdFIT<-ugarchfit(spec=DJSUc11std,data=datDJSUretINSA DJSUc11stdFIT
DJSUc22stdFIT<-ugarchfit(spec=DJSUc22std,data=datDJSUretINSA DJSUc22stdFIT
DJSUc12stdFIT<-ugarchfit(spec=DJSUc12std,data=datDJSUretINSA DJSUc12stdFIT
DJSUc21stdFIT<-ugarchfit(spec=DJSUc21std,data=datDJSUretINSA DJSUc21stdFIT

DJSUs11norFIT<-ugarchfit(spec=DJSUs11nor,data=datDJSUretINSA DJSUs11norFIT
DJSUs22norFIT<-ugarchfit(spec=DJSUs22nor,data=datDJSUretINSA DJSUs22norFIT
DJSUs12norFIT<-ugarchfit(spec=DJSUs12nor,data=datDJSUretINSA DJSUs12norFIT
DJSUs21norFIT<-ugarchfit(spec=DJSUs21nor,data=datDJSUretINSA DJSUs21norFIT
DJSUe11norFIT<-ugarchfit(spec=DJSUe11nor,data=datDJSUretINSA DJSUe11norFIT
DJSUe22norFIT<-ugarchfit(spec=DJSUe22nor,data=datDJSUretINSA DJSUe22norFIT
DJSUe12norFIT<-ugarchfit(spec=DJSUe12nor,data=datDJSUretINSA DJSUe12norFIT
DJSUe21norFIT<-ugarchfit(spec=DJSUe21nor,data=datDJSUretINSA DJSUe21norFIT
DJSUg11norFIT<-ugarchfit(spec=DJSUg11nor,data=datDJSUretINSA DJSUg11norFIT
DJSUg22norFIT<-ugarchfit(spec=DJSUg22nor,data=datDJSUretINSA DJSUg22norFIT
DJSUg12norFIT<-ugarchfit(spec=DJSUg12nor,data=datDJSUretINSA DJSUg12norFIT
DJSUg21norFIT<-ugarchfit(spec=DJSUg21nor,data=datDJSUretINSA DJSUg21norFIT
DJSUi11norFIT<-ugarchfit(spec=DJSUi11nor,data=datDJSUretINSA DJSUi11norFIT
DJSUi22norFIT<-ugarchfit(spec=DJSUi22nor,data=datDJSUretINSA DJSUi22norFIT
DJSUi12norFIT<-ugarchfit(spec=DJSUi12nor,data=datDJSUretINSA DJSUi12norFIT
DJSUi21norFIT<-ugarchfit(spec=DJSUi21nor,data=datDJSUretINSA DJSUi21norFIT
DJSUc11norFIT<-ugarchfit(spec=DJSUc11nor,data=datDJSUretINSA DJSUc11norFIT
DJSUc22norFIT<-ugarchfit(spec=DJSUc22nor,data=datDJSUretINSA DJSUc22norFIT
DJSUc12norFIT<-ugarchfit(spec=DJSUc12nor,data=datDJSUretINSA DJSUc12norFIT
DJSUc21norFIT<-ugarchfit(spec=DJSUc21nor,data=datDJSUretINSA DJSUc21norFIT
```

##WheatFIT

```
DJWEs11gedFIT<-ugarchfit(spec=DJWEs11ged,data=datDJWEretINSA DJWEs11gedFIT
DJWEs22gedFIT<-ugarchfit(spec=DJWEs22ged,data=datDJWEretINSA DJWEs22gedFIT
DJWEs12gedFIT<-ugarchfit(spec=DJWEs12ged,data=datDJWEretINSA DJWEs12gedFIT
DJWEs21gedFIT<-ugarchfit(spec=DJWEs21ged,data=datDJWEretINSA DJWEs21gedFIT
DJWEe11gedFIT<-ugarchfit(spec=DJWEe11ged,data=datDJWEretINSA DJWEe11gedFIT
DJWEe22gedFIT<-ugarchfit(spec=DJWEe22ged,data=datDJWEretINSA DJWEe22gedFIT
DJWEe12gedFIT<-ugarchfit(spec=DJWEe12ged,data=datDJWEretINSA DJWEe12gedFIT
DJWEe21gedFIT<-ugarchfit(spec=DJWEe21ged,data=datDJWEretINSA DJWEe21gedFIT
DJWEg11gedFIT<-ugarchfit(spec=DJWEg11ged,data=datDJWEretINSA DJWEg11gedFIT
DJWEg22gedFIT<-ugarchfit(spec=DJWEg22ged,data=datDJWEretINSA DJWEg22gedFIT
DJWEg12gedFIT<-ugarchfit(spec=DJWEg12ged,data=datDJWEretINSA DJWEg12gedFIT
DJWEg21gedFIT<-ugarchfit(spec=DJWEg21ged,data=datDJWEretINSA DJWEg21gedFIT
DJWEi11gedFIT<-ugarchfit(spec=DJWEi11ged,data=datDJWEretINSA DJWEi11gedFIT
DJWEi22gedFIT<-ugarchfit(spec=DJWEi22ged,data=datDJWEretINSA DJWEi22gedFIT
DJWEi12gedFIT<-ugarchfit(spec=DJWEi12ged,data=datDJWEretINSA DJWEi12gedFIT
DJWEi21gedFIT<-ugarchfit(spec=DJWEi21ged,data=datDJWEretINSA DJWEi21gedFIT
DJWEc11gedFIT<-ugarchfit(spec=DJWEc11ged,data=datDJWEretINSA DJWEc11gedFIT
DJWEc22gedFIT<-ugarchfit(spec=DJWEc22ged,data=datDJWEretINSA DJWEc22gedFIT
DJWEc12gedFIT<-ugarchfit(spec=DJWEc12ged,data=datDJWEretINSA DJWEc12gedFIT
DJWEc21gedFIT<-ugarchfit(spec=DJWEc21ged,data=datDJWEretINSA DJWEc21gedFIT

DJWEs11stdFIT<-ugarchfit(spec=DJWEs11std,data=datDJWEretINSA DJWEs11stdFIT
DJWEs22stdFIT<-ugarchfit(spec=DJWEs22std,data=datDJWEretINSA DJWEs22stdFIT
DJWEs12stdFIT<-ugarchfit(spec=DJWEs12std,data=datDJWEretINSA DJWEs12stdFIT
DJWEs21stdFIT<-ugarchfit(spec=DJWEs21std,data=datDJWEretINSA DJWEs21stdFIT
DJWEe11stdFIT<-ugarchfit(spec=DJWEe11std,data=datDJWEretINSA DJWEe11stdFIT
DJWEe22stdFIT<-ugarchfit(spec=DJWEe22std,data=datDJWEretINSA DJWEe22stdFIT
DJWEe12stdFIT<-ugarchfit(spec=DJWEe12std,data=datDJWEretINSA DJWEe12stdFIT
DJWEe21stdFIT<-ugarchfit(spec=DJWEe21std,data=datDJWEretINSA DJWEe21stdFIT
DJWEg11stdFIT<-ugarchfit(spec=DJWEg11std,data=datDJWEretINSA DJWEg11stdFIT
DJWEg22stdFIT<-ugarchfit(spec=DJWEg22std,data=datDJWEretINSA DJWEg22stdFIT
DJWEg12stdFIT<-ugarchfit(spec=DJWEg12std,data=datDJWEretINSA DJWEg12stdFIT
DJWEg21stdFIT<-ugarchfit(spec=DJWEg21std,data=datDJWEretINSA DJWEg21stdFIT
DJWEi11stdFIT<-ugarchfit(spec=DJWEi11std,data=datDJWEretINSA DJWEi11stdFIT
DJWEi22stdFIT<-ugarchfit(spec=DJWEi22std,data=datDJWEretINSA DJWEi22stdFIT
DJWEi12stdFIT<-ugarchfit(spec=DJWEi12std,data=datDJWEretINSA DJWEi12stdFIT
DJWEi21stdFIT<-ugarchfit(spec=DJWEi21std,data=datDJWEretINSA DJWEi21stdFIT
DJWEc11stdFIT<-ugarchfit(spec=DJWEc11std,data=datDJWEretINSA DJWEc11stdFIT
DJWEc22stdFIT<-ugarchfit(spec=DJWEc22std,data=datDJWEretINSA DJWEc22stdFIT
DJWEc12stdFIT<-ugarchfit(spec=DJWEc12std,data=datDJWEretINSA DJWEc12stdFIT
DJWEc21stdFIT<-ugarchfit(spec=DJWEc21std,data=datDJWEretINSA DJWEc21stdFIT

DJWEs11norFIT<-ugarchfit(spec=DJWEs11nor,data=datDJWEretINSA DJWEs11norFIT
DJWEs22norFIT<-ugarchfit(spec=DJWEs22nor,data=datDJWEretINSA DJWEs22norFIT
DJWEs12norFIT<-ugarchfit(spec=DJWEs12nor,data=datDJWEretINSA DJWEs12norFIT
DJWEs21norFIT<-ugarchfit(spec=DJWEs21nor,data=datDJWEretINSA DJWEs21norFIT
DJWEe11norFIT<-ugarchfit(spec=DJWEe11nor,data=datDJWEretINSA DJWEe11norFIT
DJWEe22norFIT<-ugarchfit(spec=DJWEe22nor,data=datDJWEretINSA DJWEe22norFIT
DJWEe12norFIT<-ugarchfit(spec=DJWEe12nor,data=datDJWEretINSA DJWEe12norFIT
DJWEe21norFIT<-ugarchfit(spec=DJWEe21nor,data=datDJWEretINSA DJWEe21norFIT
DJWEg11norFIT<-ugarchfit(spec=DJWEg11nor,data=datDJWEretINSA DJWEg11norFIT
DJWEg22norFIT<-ugarchfit(spec=DJWEg22nor,data=datDJWEretINSA DJWEg22norFIT
DJWEg12norFIT<-ugarchfit(spec=DJWEg12nor,data=datDJWEretINSA DJWEg12norFIT
DJWEg21norFIT<-ugarchfit(spec=DJWEg21nor,data=datDJWEretINSA DJWEg21norFIT
DJWEi11norFIT<-ugarchfit(spec=DJWEi11nor,data=datDJWEretINSA DJWEi11norFIT
DJWEi22norFIT<-ugarchfit(spec=DJWEi22nor,data=datDJWEretINSA DJWEi22norFIT
DJWEi12norFIT<-ugarchfit(spec=DJWEi12nor,data=datDJWEretINSA DJWEi12norFIT
DJWEi21norFIT<-ugarchfit(spec=DJWEi21nor,data=datDJWEretINSA DJWEi21norFIT
DJWEc11norFIT<-ugarchfit(spec=DJWEc11nor,data=datDJWEretINSA DJWEc11norFIT
DJWEc22norFIT<-ugarchfit(spec=DJWEc22nor,data=datDJWEretINSA DJWEc22norFIT
DJWEc12norFIT<-ugarchfit(spec=DJWEc12nor,data=datDJWEretINSA DJWEc12norFIT
DJWEc21norFIT<-ugarchfit(spec=DJWEc21nor,data=datDJWEretINSA DJWEc21norFIT
```

##ZincFIT

```
DJZIs11gedFIT<-ugarchfit(spec=DJZIs11ged,data=datDJZIretINSA DJZIs11gedFIT
DJZIs22gedFIT<-ugarchfit(spec=DJZIs22ged,data=datDJZIretINSA DJZIs22gedFIT
DJZIs12gedFIT<-ugarchfit(spec=DJZIs12ged,data=datDJZIretINSA DJZIs12gedFIT
DJZIs21gedFIT<-ugarchfit(spec=DJZIs21ged,data=datDJZIretINSA DJZIs21gedFIT
DJZIe11gedFIT<-ugarchfit(spec=DJZIe11ged,data=datDJZIretINSA DJZIe11gedFIT
DJZIe22gedFIT<-ugarchfit(spec=DJZIe22ged,data=datDJZIretINSA DJZIe22gedFIT
DJZIe12gedFIT<-ugarchfit(spec=DJZIe12ged,data=datDJZIretINSA DJZIe12gedFIT
DJZIe21gedFIT<-ugarchfit(spec=DJZIe21ged,data=datDJZIretINSA DJZIe21gedFIT
DJZIg11gedFIT<-ugarchfit(spec=DJZIg11ged,data=datDJZIretINSA DJZIg11gedFIT
DJZIg22gedFIT<-ugarchfit(spec=DJZIg22ged,data=datDJZIretINSA DJZIg22gedFIT
DJZIg12gedFIT<-ugarchfit(spec=DJZIg12ged,data=datDJZIretINSA DJZIg12gedFIT
DJZIg21gedFIT<-ugarchfit(spec=DJZIg21ged,data=datDJZIretINSA DJZIg21gedFIT
DJZIi11gedFIT<-ugarchfit(spec=DJZIi11ged,data=datDJZIretINSA DJZIi11gedFIT
DJZIi22gedFIT<-ugarchfit(spec=DJZIi22ged,data=datDJZIretINSA DJZIi22gedFIT
DJZIi12gedFIT<-ugarchfit(spec=DJZIi12ged,data=datDJZIretINSA DJZIi12gedFIT
DJZIi21gedFIT<-ugarchfit(spec=DJZIi21ged,data=datDJZIretINSA DJZIi21gedFIT
DJZIc11gedFIT<-ugarchfit(spec=DJZIc11ged,data=datDJZIretINSA DJZIc11gedFIT
DJZIc22gedFIT<-ugarchfit(spec=DJZIc22ged,data=datDJZIretINSA DJZIc22gedFIT
DJZIc12gedFIT<-ugarchfit(spec=DJZIc12ged,data=datDJZIretINSA DJZIc12gedFIT
DJZIc21gedFIT<-ugarchfit(spec=DJZIc21ged,data=datDJZIretINSA DJZIc21gedFIT

DJZIs11stdFIT<-ugarchfit(spec=DJZIs11std,data=datDJZIretINSA DJZIs11stdFIT
DJZIs22stdFIT<-ugarchfit(spec=DJZIs22std,data=datDJZIretINSA DJZIs22stdFIT
DJZIs12stdFIT<-ugarchfit(spec=DJZIs12std,data=datDJZIretINSA DJZIs12stdFIT
DJZIs21stdFIT<-ugarchfit(spec=DJZIs21std,data=datDJZIretINSA DJZIs21stdFIT
DJZIe11stdFIT<-ugarchfit(spec=DJZIe11std,data=datDJZIretINSA DJZIe11stdFIT
DJZIe22stdFIT<-ugarchfit(spec=DJZIe22std,data=datDJZIretINSA DJZIe22stdFIT
DJZIe12stdFIT<-ugarchfit(spec=DJZIe12std,data=datDJZIretINSA DJZIe12stdFIT
DJZIe21stdFIT<-ugarchfit(spec=DJZIe21std,data=datDJZIretINSA DJZIe21stdFIT
DJZIg11stdFIT<-ugarchfit(spec=DJZIg11std,data=datDJZIretINSA DJZIg11stdFIT
DJZIg22stdFIT<-ugarchfit(spec=DJZIg22std,data=datDJZIretINSA DJZIg22stdFIT
DJZIg12stdFIT<-ugarchfit(spec=DJZIg12std,data=datDJZIretINSA DJZIg12stdFIT
DJZIg21stdFIT<-ugarchfit(spec=DJZIg21std,data=datDJZIretINSA DJZIg21stdFIT
DJZIi11stdFIT<-ugarchfit(spec=DJZIi11std,data=datDJZIretINSA DJZIi11stdFIT
DJZIi22stdFIT<-ugarchfit(spec=DJZIi22std,data=datDJZIretINSA DJZIi22stdFIT
DJZIi12stdFIT<-ugarchfit(spec=DJZIi12std,data=datDJZIretINSA DJZIi12stdFIT
DJZIi21stdFIT<-ugarchfit(spec=DJZIi21std,data=datDJZIretINSA DJZIi21stdFIT
DJZIc11stdFIT<-ugarchfit(spec=DJZIc11std,data=datDJZIretINSA DJZIc11stdFIT
DJZIc22stdFIT<-ugarchfit(spec=DJZIc22std,data=datDJZIretINSA DJZIc22stdFIT
DJZIc12stdFIT<-ugarchfit(spec=DJZIc12std,data=datDJZIretINSA DJZIc12stdFIT
DJZIc21stdFIT<-ugarchfit(spec=DJZIc21std,data=datDJZIretINSA DJZIc21stdFIT

DJZIs11norFIT<-ugarchfit(spec=DJZIs11nor,data=datDJZIretINSA DJZIs11norFIT
DJZIs22norFIT<-ugarchfit(spec=DJZIs22nor,data=datDJZIretINSA DJZIs22norFIT
DJZIs12norFIT<-ugarchfit(spec=DJZIs12nor,data=datDJZIretINSA DJZIs12norFIT
```

```
DJZIs21norFIT<-ugarchfit(spec=DJZIs21nor,data=datDJZIretINSA DJZIs21norFIT
DJZIe11norFIT<-ugarchfit(spec=DJZIe11nor,data=datDJZIretINSA DJZIe11norFIT
DJZIe22norFIT<-ugarchfit(spec=DJZIe22nor,data=datDJZIretINSA DJZIe22norFIT
DJZIe12norFIT<-ugarchfit(spec=DJZIe12nor,data=datDJZIretINSA DJZIe12norFIT
DJZIe21norFIT<-ugarchfit(spec=DJZIe21nor,data=datDJZIretINSA DJZIe21norFIT
DJZIe11norFIT<-ugarchfit(spec=DJZIe11nor,data=datDJZIretINSA DJZIg11norFIT
DJZIe22norFIT<-ugarchfit(spec=DJZIe22nor,data=datDJZIretINSA DJZIg22norFIT
DJZIg12norFIT<-ugarchfit(spec=DJZIg12nor,data=datDJZIretINSA DJZIg12norFIT
DJZIg21norFIT<-ugarchfit(spec=DJZIg21nor,data=datDJZIretINSA DJZIg21norFIT
DJZIi11norFIT<-ugarchfit(spec=DJZIi11nor,data=datDJZIretINSA DJZIi11norFIT
DJZIi22norFIT<-ugarchfit(spec=DJZIi22nor,data=datDJZIretINSA DJZIi22norFIT
DJZIi12norFIT<-ugarchfit(spec=DJZIi12nor,data=datDJZIretINSA DJZIi12norFIT
DJZIi21norFIT<-ugarchfit(spec=DJZIi21nor,data=datDJZIretINSA DJZIi21norFIT
DJZIc11norFIT<-ugarchfit(spec=DJZIc11nor,data=datDJZIretINSA DJZIc11norFIT
DJZIc22norFIT<-ugarchfit(spec=DJZIc22nor,data=datDJZIretINSA DJZIc22norFIT
DJZIc12norFIT<-ugarchfit(spec=DJZIc12nor,data=datDJZIretINSA DJZIc12norFIT
DJZIc21norFIT<-ugarchfit(spec=DJZIc21nor,data=datDJZIretINSA DJZIc21norFIT
```

##Lean HogFIT

```
DJLHs11gedFIT<-ugarchfit(spec=DJLHs11ged,data=datDJLHretINSA DJLHs11gedFIT
DJLHs22gedFIT<-ugarchfit(spec=DJLHs22ged,data=datDJLHretINSA DJLHs22gedFIT
DJLHs12gedFIT<-ugarchfit(spec=DJLHs12ged,data=datDJLHretINSA DJLHs12gedFIT
DJLHs21gedFIT<-ugarchfit(spec=DJLHs21ged,data=datDJLHretINSA DJLHs21gedFIT
DJLHe11gedFIT<-ugarchfit(spec=DJLHe11ged,data=datDJLHretINSA DJLHe11gedFIT
DJLHe22gedFIT<-ugarchfit(spec=DJLHe22ged,data=datDJLHretINSA DJLHe22gedFIT
DJLHe12gedFIT<-ugarchfit(spec=DJLHe12ged,data=datDJLHretINSA DJLHe12gedFIT
DJLHe21gedFIT<-ugarchfit(spec=DJLHe21ged,data=datDJLHretINSA DJLHe21gedFIT
DJLHg11gedFIT<-ugarchfit(spec=DJLHg11ged,data=datDJLHretINSA DJLHg11gedFIT
DJLHg22gedFIT<-ugarchfit(spec=DJLHg22ged,data=datDJLHretINSA DJLHg22gedFIT
DJLHg12gedFIT<-ugarchfit(spec=DJLHg12ged,data=datDJLHretINSA DJLHg12gedFIT
DJLHg21gedFIT<-ugarchfit(spec=DJLHg21ged,data=datDJLHretINSA DJLHg21gedFIT
DJLHi11gedFIT<-ugarchfit(spec=DJLHi11ged,data=datDJLHretINSA DJLHi11gedFIT
DJLHi22gedFIT<-ugarchfit(spec=DJLHi22ged,data=datDJLHretINSA DJLHi22gedFIT
DJLHi12gedFIT<-ugarchfit(spec=DJLHi12ged,data=datDJLHretINSA DJLHi12gedFIT
DJLHi21gedFIT<-ugarchfit(spec=DJLHi21ged,data=datDJLHretINSA DJLHi21gedFIT
DJLHc11gedFIT<-ugarchfit(spec=DJLHc11ged,data=datDJLHretINSA DJLHc11gedFIT
DJLHc22gedFIT<-ugarchfit(spec=DJLHc22ged,data=datDJLHretINSA DJLHc22gedFIT
DJLHc12gedFIT<-ugarchfit(spec=DJLHc12ged,data=datDJLHretINSA DJLHc12gedFIT
DJLHc21gedFIT<-ugarchfit(spec=DJLHc21ged,data=datDJLHretINSA DJLHc21gedFIT

DJLHs11stdFIT<-ugarchfit(spec=DJLHs11std,data=datDJLHretINSA DJLHs11stdFIT
DJLHs22stdFIT<-ugarchfit(spec=DJLHs22std,data=datDJLHretINSA DJLHs22stdFIT
DJLHs12stdFIT<-ugarchfit(spec=DJLHs12std,data=datDJLHretINSA DJLHs12stdFIT
DJLHs21stdFIT<-ugarchfit(spec=DJLHs21std,data=datDJLHretINSA DJLHs21stdFIT
DJLHe11stdFIT<-ugarchfit(spec=DJLHe11std,data=datDJLHretINSA DJLHe11stdFIT
DJLHe22stdFIT<-ugarchfit(spec=DJLHe22std,data=datDJLHretINSA DJLHe22stdFIT
DJLHe12stdFIT<-ugarchfit(spec=DJLHe12std,data=datDJLHretINSA DJLHe12stdFIT
DJLHe21stdFIT<-ugarchfit(spec=DJLHe21std,data=datDJLHretINSA DJLHe21stdFIT
DJLHg11stdFIT<-ugarchfit(spec=DJLHg11std,data=datDJLHretINSA DJLHg11stdFIT
DJLHg22stdFIT<-ugarchfit(spec=DJLHg22std,data=datDJLHretINSA DJLHg22stdFIT
DJLHg12stdFIT<-ugarchfit(spec=DJLHg12std,data=datDJLHretINSA DJLHg12stdFIT
DJLHg21stdFIT<-ugarchfit(spec=DJLHg21std,data=datDJLHretINSA DJLHg21stdFIT
DJLHi11stdFIT<-ugarchfit(spec=DJLHi11std,data=datDJLHretINSA DJLHi11stdFIT
DJLHi22stdFIT<-ugarchfit(spec=DJLHi22std,data=datDJLHretINSA DJLHi22stdFIT
DJLHi12stdFIT<-ugarchfit(spec=DJLHi12std,data=datDJLHretINSA DJLHi12stdFIT
DJLHi21stdFIT<-ugarchfit(spec=DJLHi21std,data=datDJLHretINSA DJLHi21stdFIT
DJLHc11stdFIT<-ugarchfit(spec=DJLHc11std,data=datDJLHretINSA DJLHc11stdFIT
DJLHc22stdFIT<-ugarchfit(spec=DJLHc22std,data=datDJLHretINSA DJLHc22stdFIT
DJLHc12stdFIT<-ugarchfit(spec=DJLHc12std,data=datDJLHretINSA DJLHc12stdFIT
DJLHc21stdFIT<-ugarchfit(spec=DJLHc21std,data=datDJLHretINSA DJLHc21stdFIT

DJLHs11norFIT<-ugarchfit(spec=DJLHs11nor,data=datDJLHretINSA DJLHs11norFIT
DJLHs22norFIT<-ugarchfit(spec=DJLHs22nor,data=datDJLHretINSA DJLHs22norFIT
DJLHs12norFIT<-ugarchfit(spec=DJLHs12nor,data=datDJLHretINSA DJLHs12norFIT
DJLHs21norFIT<-ugarchfit(spec=DJLHs21nor,data=datDJLHretINSA DJLHs21norFIT
DJLHe11norFIT<-ugarchfit(spec=DJLHe11nor,data=datDJLHretINSA DJLHe11norFIT
DJLHe22norFIT<-ugarchfit(spec=DJLHe22nor,data=datDJLHretINSA DJLHe22norFIT
DJLHe12norFIT<-ugarchfit(spec=DJLHe12nor,data=datDJLHretINSA DJLHe12norFIT
DJLHe21norFIT<-ugarchfit(spec=DJLHe21nor,data=datDJLHretINSA DJLHe21norFIT
DJLHg11norFIT<-ugarchfit(spec=DJLHg11nor,data=datDJLHretINSA DJLHg11norFIT
DJLHg22norFIT<-ugarchfit(spec=DJLHg22nor,data=datDJLHretINSA DJLHg22norFIT
DJLHg12norFIT<-ugarchfit(spec=DJLHg12nor,data=datDJLHretINSA DJLHg12norFIT
DJLHg21norFIT<-ugarchfit(spec=DJLHg21nor,data=datDJLHretINSA DJLHg21norFIT
DJLHi11norFIT<-ugarchfit(spec=DJLHi11nor,data=datDJLHretINSA DJLHi11norFIT
DJLHi22norFIT<-ugarchfit(spec=DJLHi22nor,data=datDJLHretINSA DJLHi22norFIT
DJLHi12norFIT<-ugarchfit(spec=DJLHi12nor,data=datDJLHretINSA DJLHi12norFIT
DJLHi21norFIT<-ugarchfit(spec=DJLHi21nor,data=datDJLHretINSA DJLHi21norFIT
DJLHc11norFIT<-ugarchfit(spec=DJLHc11nor,data=datDJLHretINSA DJLHc11norFIT
DJLHc22norFIT<-ugarchfit(spec=DJLHc22nor,data=datDJLHretINSA DJLHc22norFIT
DJLHc12norFIT<-ugarchfit(spec=DJLHc12nor,data=datDJLHretINSA DJLHc12norFIT
DJLHc21norFIT<-ugarchfit(spec=DJLHc21nor,data=datDJLHretINSA DJLHc21norFIT
```

##Natural Gas FIT

```
DJNGs11gedFIT<-ugarchfit(spec=DJNGs11ged,data=datDJNGretINSA DJNGs11gedFIT
DJNGs22gedFIT<-ugarchfit(spec=DJNGs22ged,data=datDJNGretINSA DJNGs22gedFIT
DJNGs12gedFIT<-ugarchfit(spec=DJNGs12ged,data=datDJNGretINSA DJNGs12gedFIT
DJNGs21gedFIT<-ugarchfit(spec=DJNGs21ged,data=datDJNGretINSA DJNGs21gedFIT
DJNGe11gedFIT<-ugarchfit(spec=DJNGe11ged,data=datDJNGretINSA DJNGe11gedFIT
DJNGe22gedFIT<-ugarchfit(spec=DJNGe22ged,data=datDJNGretINSA DJNGe22gedFIT
DJNGe12gedFIT<-ugarchfit(spec=DJNGe12ged,data=datDJNGretINSA DJNGe12gedFIT
DJNGe21gedFIT<-ugarchfit(spec=DJNGe21ged,data=datDJNGretINSA DJNGe21gedFIT
DJNGg11gedFIT<-ugarchfit(spec=DJNGg11ged,data=datDJNGretINSA DJNGg11gedFIT
DJNGg22gedFIT<-ugarchfit(spec=DJNGg22ged,data=datDJNGretINSA DJNGg22gedFIT
DJNGe12edFIT<-ugarchfit(spec=DJNGe12eed,data=datDJNGretINSA DJNGg12gedFIT
DJNGe21edFIT<-ugarchfit(spec=DJNGe21eed,data=datDJNGretINSA DJNGg21gedFIT
DJNGi11edFIT<-ugarchfit(spec=DJNGi11eed,data=datDJNGretINSA DJNGi11gedFIT
DJNGi22edFIT<-ugarchfit(spec=DJNGi22eed,data=datDJNGretINSA DJNGi22gedFIT
DJNGi12edFIT<-ugarchfit(spec=DJNGi12eed,data=datDJNGretINSA DJNGi12gedFIT
DJNGi21edFIT<-ugarchfit(spec=DJNGi21eed,data=datDJNGretINSA DJNGi21gedFIT
DJNGc11gedFIT<-ugarchfit(spec=DJNGc11ged,data=datDJNGretINSA DJNGc11gedFIT
DJNGc22gedFIT<-ugarchfit(spec=DJNGc22ged,data=datDJNGretINSA DJNGc22gedFIT
DJNGc12gedFIT<-ugarchfit(spec=DJNGc12ged,data=datDJNGretINSA DJNGc12gedFIT
DJNGc21gedFIT<-ugarchfit(spec=DJNGc21ged,data=datDJNGretINSA DJNGc21gedFIT

DJNGs11stdFIT<-ugarchfit(spec=DJNGs11std,data=datDJNGretINSA DJNGs11stdFIT
DJNGs22stdFIT<-ugarchfit(spec=DJNGs22std,data=datDJNGretINSA DJNGs22stdFIT
DJNGs12stdFIT<-ugarchfit(spec=DJNGs12std,data=datDJNGretINSA DJNGs12stdFIT
DJNGs21stdFIT<-ugarchfit(spec=DJNGs21std,data=datDJNGretINSA DJNGs21stdFIT
DJNGe11stdFIT<-ugarchfit(spec=DJNGe11std,data=datDJNGretINSA DJNGe11stdFIT
DJNGe22stdFIT<-ugarchfit(spec=DJNGe22std,data=datDJNGretINSA DJNGe22stdFIT
DJNGe12stdFIT<-ugarchfit(spec=DJNGe12std,data=datDJNGretINSA DJNGe12stdFIT
DJNGe21stdFIT<-ugarchfit(spec=DJNGe21std,data=datDJNGretINSA DJNGe21stdFIT
DJNGg11stdFIT<-ugarchfit(spec=DJNGg11std,data=datDJNGretINSA DJNGg11stdFIT
DJNGg22stdFIT<-ugarchfit(spec=DJNGg22std,data=datDJNGretINSA DJNGg22stdFIT
DJNGg12stdFIT<-ugarchfit(spec=DJNGg12std,data=datDJNGretINSA DJNGg12stdFIT
DJNGg21stdFIT<-ugarchfit(spec=DJNGg21std,data=datDJNGretINSA DJNGg21stdFIT
DJNGi11stdFIT<-ugarchfit(spec=DJNGi11std,data=datDJNGretINSA DJNGi11stdFIT
DJNGi22stdFIT<-ugarchfit(spec=DJNGi22std,data=datDJNGretINSA DJNGi22stdFIT
DJNGi12stdFIT<-ugarchfit(spec=DJNGi12std,data=datDJNGretINSA DJNGi12stdFIT
DJNGi21stdFIT<-ugarchfit(spec=DJNGi21std,data=datDJNGretINSA DJNGi21stdFIT
DJNGc11stdFIT<-ugarchfit(spec=DJNGc11std,data=datDJNGretINSA DJNGc11stdFIT
DJNGc22stdFIT<-ugarchfit(spec=DJNGc22std,data=datDJNGretINSA DJNGc22stdFIT
DJNGc12stdFIT<-ugarchfit(spec=DJNGc12std,data=datDJNGretINSA DJNGc12stdFIT
DJNGc21stdFIT<-ugarchfit(spec=DJNGc21std,data=datDJNGretINSA DJNGc21stdFIT

DJNGs11norFIT<-ugarchfit(spec=DJNGs11nor,data=datDJNGretINSA DJNGs11norFIT
DJNGs22norFIT<-ugarchfit(spec=DJNGs22nor,data=datDJNGretINSA DJNGs22norFIT
DJNGs12norFIT<-ugarchfit(spec=DJNGs12nor,data=datDJNGretINSA DJNGs12norFIT
DJNGs21norFIT<-ugarchfit(spec=DJNGs21nor,data=datDJNGretINSA DJNGs21norFIT
DJNGe11norFIT<-ugarchfit(spec=DJNGe11nor,data=datDJNGretINSA DJNGe11norFIT
DJNGe22norFIT<-ugarchfit(spec=DJNGe22nor,data=datDJNGretINSA DJNGe22norFIT
DJNGe12norFIT<-ugarchfit(spec=DJNGe12nor,data=datDJNGretINSA DJNGe12norFIT
DJNGe21norFIT<-ugarchfit(spec=DJNGe21nor,data=datDJNGretINSA DJNGe21norFIT
DJNGe11norFIT<-ugarchfit(spec=DJNGe11nor,data=datDJNGretINSA DJNGe11norFIT
DJNGe22norFIT<-ugarchfit(spec=DJNGe22nor,data=datDJNGretINSA DJNGg22norFIT
DJNGe12norFIT<-ugarchfit(spec=DJNGe12nor,data=datDJNGretINSA DJNGg12norFIT
DJNGe21norFIT<-ugarchfit(spec=DJNGe21nor,data=datDJNGretINSA DJNGg21norFIT
DJNGi11norFIT<-ugarchfit(spec=DJNGi11nor,data=datDJNGretINSA DJNGi11norFIT
DJNGi22norFIT<-ugarchfit(spec=DJNGi22nor,data=datDJNGretINSA DJNGi22norFIT
DJNGi12norFIT<-ugarchfit(spec=DJNGi12nor,data=datDJNGretINSA DJNGi12norFIT
DJNGi21norFIT<-ugarchfit(spec=DJNGi21nor,data=datDJNGretINSA DJNGi21norFIT
DJNGc11norFIT<-ugarchfit(spec=DJNGc11nor,data=datDJNGretINSA DJNGc11norFIT
DJNGc22norFIT<-ugarchfit(spec=DJNGc22nor,data=datDJNGretINSA DJNGc22norFIT
DJNGc12norFIT<-ugarchfit(spec=DJNGc12nor,data=datDJNGretINSA DJNGc12norFIT
DJNGc21norFIT<-ugarchfit(spec=DJNGc21nor,data=datDJNGretINSA DJNGc21norFIT
```

##PetroleumFIT

```
DJPEs11edFIT<-ugarchfit(spec=DJPEs11eed,data=datDJPEretINSA DJPEs11gedFIT
DJPEs22edFIT<-ugarchfit(spec=DJPEs22eed,data=datDJPEretINSA DJPEs22gedFIT
DJPEs12edFIT<-ugarchfit(spec=DJPEs12eed,data=datDJPEretINSA DJPEs12gedFIT
DJPEs21edFIT<-ugarchfit(spec=DJPEs21eed,data=datDJPEretINSA DJPEs21gedFIT
DJPEe11edFIT<-ugarchfit(spec=DJPEe11eed,data=datDJPEretINSA DJPEe11gedFIT
DJPEe22edFIT<-ugarchfit(spec=DJPEe22eed,data=datDJPEretINSA DJPEe22gedFIT
DJPEe12edFIT<-ugarchfit(spec=DJPEe12eed,data=datDJPEretINSA DJPEe12gedFIT
DJPEe21edFIT<-ugarchfit(spec=DJPEe21eed,data=datDJPEretINSA DJPEe21gedFIT
DJPEg11edFIT<-ugarchfit(spec=DJPEg11eed,data=datDJPEretINSA DJPEg11gedFIT
DJPEg22edFIT<-ugarchfit(spec=DJPEg22eed,data=datDJPEretINSA DJPEg22gedFIT
DJPEg12edFIT<-ugarchfit(spec=DJPEg12eed,data=datDJPEretINSA DJPEg12gedFIT
DJPEg21edFIT<-ugarchfit(spec=DJPEg21eed,data=datDJPEretINSA DJPEg21gedFIT
DJPEi11edFIT<-ugarchfit(spec=DJPEi11eed,data=datDJPEretINSA DJPEi11gedFIT
DJPEi22edFIT<-ugarchfit(spec=DJPEi22eed,data=datDJPEretINSA DJPEi22gedFIT
DJPEi12edFIT<-ugarchfit(spec=DJPEi12eed,data=datDJPEretINSA DJPEi12gedFIT
DJPEi21edFIT<-ugarchfit(spec=DJPEi21eed,data=datDJPEretINSA DJPEi21gedFIT
DJPEc11edFIT<-ugarchfit(spec=DJPEc11eed,data=datDJPEretINSA DJPEc11gedFIT
DJPEc22edFIT<-ugarchfit(spec=DJPEc22eed,data=datDJPEretINSA DJPEc22gedFIT
DJPEc12edFIT<-ugarchfit(spec=DJPEc12eed,data=datDJPEretINSA DJPEc12gedFIT
DJPEc21edFIT<-ugarchfit(spec=DJPEc21eed,data=datDJPEretINSA DJPEc21gedFIT

DJPEs11stdFIT<-ugarchfit(spec=DJPEs11std,data=datDJPEretINSA DJPEs11stdFIT
DJPEs22stdFIT<-ugarchfit(spec=DJPEs22std,data=datDJPEretINSA DJPEs22stdFIT
DJPEs12stdFIT<-ugarchfit(spec=DJPEs12std,data=datDJPEretINSA DJPEs12stdFIT
DJPEs21stdFIT<-ugarchfit(spec=DJPEs21std,data=datDJPEretINSA DJPEs21stdFIT
DJPEe11stdFIT<-ugarchfit(spec=DJPEe11std,data=datDJPEretINSA DJPEe11stdFIT
DJPEe22stdFIT<-ugarchfit(spec=DJPEe22std,data=datDJPEretINSA DJPEe22stdFIT
DJPEe12stdFIT<-ugarchfit(spec=DJPEe12std,data=datDJPEretINSA DJPEe12stdFIT
DJPEe21stdFIT<-ugarchfit(spec=DJPEe21std,data=datDJPEretINSA DJPEe21stdFIT
DJPEe11stdFIT<-ugarchfit(spec=DJPEe11std,data=datDJPEretINSA DJPEg11stdFIT
DJPEe22stdFIT<-ugarchfit(spec=DJPEe22std,data=datDJPEretINSA DJPEg22stdFIT
DJPEg12stdFIT<-ugarchfit(spec=DJPEg12std,data=datDJPEretINSA DJPEg12stdFIT
DJPEg21stdFIT<-ugarchfit(spec=DJPEg21std,data=datDJPEretINSA DJPEg21stdFIT
DJPEi11stdFIT<-ugarchfit(spec=DJPEi11std,data=datDJPEretINSA DJPEi11stdFIT
DJPEi22stdFIT<-ugarchfit(spec=DJPEi22std,data=datDJPEretINSA DJPEi22stdFIT
DJPEi12stdFIT<-ugarchfit(spec=DJPEi12std,data=datDJPEretINSA DJPEi12stdFIT
DJPEi21stdFIT<-ugarchfit(spec=DJPEi21std,data=datDJPEretINSA DJPEi21stdFIT
DJPEc11stdFIT<-ugarchfit(spec=DJPEc11std,data=datDJPEretINSA DJPEc11stdFIT
DJPEc22stdFIT<-ugarchfit(spec=DJPEc22std,data=datDJPEretINSA DJPEc22stdFIT
DJPEc12stdFIT<-ugarchfit(spec=DJPEc12std,data=datDJPEretINSA DJPEc12stdFIT
DJPEc21stdFIT<-ugarchfit(spec=DJPEc21std,data=datDJPEretINSA DJPEc21stdFIT

DJPEs11norFIT<-ugarchfit(spec=DJPEs11nor,data=datDJPEretINSA DJPEs11norFIT
DJPEs22norFIT<-ugarchfit(spec=DJPEs22nor,data=datDJPEretINSA DJPEs22norFIT
DJPEs12norFIT<-ugarchfit(spec=DJPEs12nor,data=datDJPEretINSA DJPEs12norFIT
DJPEs21norFIT<-ugarchfit(spec=DJPEs21nor,data=datDJPEretINSA DJPEs21norFIT
DJPEe11norFIT<-ugarchfit(spec=DJPEe11nor,data=datDJPEretINSA DJPEe11norFIT
DJPEe22norFIT<-ugarchfit(spec=DJPEe22nor,data=datDJPEretINSA DJPEe22norFIT
```

```
DJPEe12norFIT<-ugarchfit(spec=DJPEe12nor,data=datDJPEretINSA DJPEe12norFIT
DJPEe21norFIT<-ugarchfit(spec=DJPEe21nor,data=datDJPEretINSA DJPEe21norFIT
DJPEe11norFIT<-ugarchfit(spec=DJPEe11nor,data=datDJPEretINSA DJPEg11norFIT
DJPEe22norFIT<-ugarchfit(spec=DJPEe22nor,data=datDJPEretINSA DJPEg22norFIT
DJPEe12norFIT<-ugarchfit(spec=DJPEe12nor,data=datDJPEretINSA DJPEg12norFIT
DJPEe21norFIT<-ugarchfit(spec=DJPEe21nor,data=datDJPEretINSA DJPEg21norFIT
DJPEi11norFIT<-ugarchfit(spec=DJPEi11nor,data=datDJPEretINSA DJPEi11norFIT
DJPEi22norFIT<-ugarchfit(spec=DJPEi22nor,data=datDJPEretINSA DJPEi22norFIT
DJPEi12norFIT<-ugarchfit(spec=DJPEi12nor,data=datDJPEretINSA DJPEi12norFIT
DJPEi22norFIT<-ugarchfit(spec=DJPEi21nor,data=datDJPEretINSA DJPEi21norFIT
DJPEc11norFIT<-ugarchfit(spec=DJPEc11nor,data=datDJPEretINSA DJPEc11norFIT
DJPEc22norFIT<-ugarchfit(spec=DJPEc22nor,data=datDJPEretINSA DJPEc22norFIT
DJPEc12norFIT<-ugarchfit(spec=DJPEc12nor,data=datDJPEretINSA DJPEc12norFIT
DJPEc21norFIT<-ugarchfit(spec=DJPEc21nor,data=datDJPEretINSA DJPEc21norFIT
```

SoybeansFIT

```
DJSOs11edFIT<-ugarchfit(spec=DJSOs11eed,data=datDJSOretINSA DJSOs11gedFIT
DJSOs22edFIT<-ugarchfit(spec=DJSOs22eed,data=datDJSOretINSA DJSOs22gedFIT
DJSOs12edFIT<-ugarchfit(spec=DJSOs12eed,data=datDJSOretINSA DJSOs12gedFIT
DJSOs21edFIT<-ugarchfit(spec=DJSOs21eed,data=datDJSOretINSA DJSOs21gedFIT
DJSOe11edFIT<-ugarchfit(spec=DJSOe11eed,data=datDJSOretINSA DJSOe11gedFIT
DJSOe22edFIT<-ugarchfit(spec=DJSOe22eed,data=datDJSOretINSA DJSOe22gedFIT
DJSOe12edFIT<-ugarchfit(spec=DJSOe12eed,data=datDJSOretINSA DJSOe12gedFIT
DJSOe21edFIT<-ugarchfit(spec=DJSOe21eed,data=datDJSOretINSA DJSOe21gedFIT
DJSOg11edFIT<-ugarchfit(spec=DJSOg11eed,data=datDJSOretINSA DJSOg11gedFIT
DJSOg22edFIT<-ugarchfit(spec=DJSOg22eed,data=datDJSOretINSA DJSOg22gedFIT
DJSOg12edFIT<-ugarchfit(spec=DJSOg12eed,data=datDJSOretINSA DJSOg12gedFIT
DJSOe21edFIT<-ugarchfit(spec=DJSOe21eed,data=datDJSOretINSA DJSOg21gedFIT
DJSOi11edFIT<-ugarchfit(spec=DJSOi11eed,data=datDJSOretINSA DJSOi11gedFIT
DJSOi22edFIT<-ugarchfit(spec=DJSOi22eed,data=datDJSOretINSA DJSOi22gedFIT
DJSOi12edFIT<-ugarchfit(spec=DJSOi12eed,data=datDJSOretINSA DJSOi12gedFIT
DJSOi21edFIT<-ugarchfit(spec=DJSOi21eed,data=datDJSOretINSA DJSOi21gedFIT
DJSOc11edFIT<-ugarchfit(spec=DJSOc11eed,data=datDJSOretINSA DJSOc11gedFIT
DJSOc22edFIT<-ugarchfit(spec=DJSOc22eed,data=datDJSOretINSA DJSOc22gedFIT
DJSOc12edFIT<-ugarchfit(spec=DJSOc12eed,data=datDJSOretINSA DJSOc12gedFIT
DJSOc21edFIT<-ugarchfit(spec=DJSOc21eed,data=datDJSOretINSA DJSOc21gedFIT

DJSOs11stdFIT<-ugarchfit(spec=DJSOs11std,data=datDJSOretINSA DJSOs11stdFIT
DJSOs22stdFIT<-ugarchfit(spec=DJSOs22std,data=datDJSOretINSA DJSOs22stdFIT
DJSOs12stdFIT<-ugarchfit(spec=DJSOs12std,data=datDJSOretINSA DJSOs12stdFIT
DJSOs21stdFIT<-ugarchfit(spec=DJSOs21std,data=datDJSOretINSA DJSOs21stdFIT
DJSOe11stdFIT<-ugarchfit(spec=DJSOe11std,data=datDJSOretINSA DJSOe11stdFIT
DJSOe22stdFIT<-ugarchfit(spec=DJSOe22std,data=datDJSOretINSA DJSOe22stdFIT
DJSOe12stdFIT<-ugarchfit(spec=DJSOe12std,data=datDJSOretINSA DJSOe12stdFIT
DJSOe21stdFIT<-ugarchfit(spec=DJSOe21std,data=datDJSOretINSA DJSOe21stdFIT
DJSOe11stdFIT<-ugarchfit(spec=DJSOe11std,data=datDJSOretINSA DJSOg11stdFIT
DJSOe22stdFIT<-ugarchfit(spec=DJSOe22std,data=datDJSOretINSA DJSOg22stdFIT
DJSOg12stdFIT<-ugarchfit(spec=DJSOg12std,data=datDJSOretINSA DJSOg12stdFIT
DJSOg21stdFIT<-ugarchfit(spec=DJSOg21std,data=datDJSOretINSA DJSOg21stdFIT
DJSOi11stdFIT<-ugarchfit(spec=DJSOi11std,data=datDJSOretINSA DJSOi11stdFIT
DJSOi22stdFIT<-ugarchfit(spec=DJSOi22std,data=datDJSOretINSA DJSOi22stdFIT
DJSOi12stdFIT<-ugarchfit(spec=DJSOi12std,data=datDJSOretINSA DJSOi12stdFIT
DJSOi21stdFIT<-ugarchfit(spec=DJSOi21std,data=datDJSOretINSA DJSOi21stdFIT
DJSOc11stdFIT<-ugarchfit(spec=DJSOc11std,data=datDJSOretINSA DJSOc11stdFIT
DJSOc22stdFIT<-ugarchfit(spec=DJSOc22std,data=datDJSOretINSA DJSOc22stdFIT
DJSOc12stdFIT<-ugarchfit(spec=DJSOc12std,data=datDJSOretINSA DJSOc12stdFIT
DJSOc21stdFIT<-ugarchfit(spec=DJSOc21std,data=datDJSOretINSA DJSOc21stdFIT

DJSOs11norFIT<-ugarchfit(spec=DJSOs11nor,data=datDJSOretINSA DJSOs11norFIT
DJSOs22norFIT<-ugarchfit(spec=DJSOs22nor,data=datDJSOretINSA DJSOs22norFIT
DJSOs12norFIT<-ugarchfit(spec=DJSOs12nor,data=datDJSOretINSA DJSOs12norFIT
DJSOs21norFIT<-ugarchfit(spec=DJSOs21nor,data=datDJSOretINSA DJSOs21norFIT
DJSOe11norFIT<-ugarchfit(spec=DJSOe11nor,data=datDJSOretINSA DJSOe11norFIT
DJSOe22norFIT<-ugarchfit(spec=DJSOe22nor,data=datDJSOretINSA DJSOe22norFIT
DJSOe12norFIT<-ugarchfit(spec=DJSOe12nor,data=datDJSOretINSA DJSOe12norFIT
DJSOe21norFIT<-ugarchfit(spec=DJSOe21nor,data=datDJSOretINSA DJSOe21norFIT
DJSOe11norFIT<-ugarchfit(spec=DJSOe11nor,data=datDJSOretINSA DJSOg11norFIT
DJSOe22norFIT<-ugarchfit(spec=DJSOe22nor,data=datDJSOretINSA DJSOg22norFIT
DJSOe12norFIT<-ugarchfit(spec=DJSOe12nor,data=datDJSOretINSA DJSOg12norFIT
DJSOe21norFIT<-ugarchfit(spec=DJSOe21nor,data=datDJSOretINSA DJSOg21norFIT
DJSOi11norFIT<-ugarchfit(spec=DJSOi11nor,data=datDJSOretINSA DJSOi11norFIT
DJSOi22norFIT<-ugarchfit(spec=DJSOi22nor,data=datDJSOretINSA DJSOi22norFIT
DJSOi12norFIT<-ugarchfit(spec=DJSOi12nor,data=datDJSOretINSA DJSOi12norFIT
DJSOi21norFIT<-ugarchfit(spec=DJSOi21nor,data=datDJSOretINSA DJSOi21norFIT
DJSOc11norFIT<-ugarchfit(spec=DJSOc11nor,data=datDJSOretINSA DJSOc11norFIT
DJSOc22norFIT<-ugarchfit(spec=DJSOc22nor,data=datDJSOretINSA DJSOc22norFIT
DJSOc12norFIT<-ugarchfit(spec=DJSOc12nor,data=datDJSOretINSA DJSOc12norFIT
DJSOc21norFIT<-ugarchfit(spec=DJSOc21nor,data=datDJSOretINSA DJSOc21norFIT
```

Forestry and Paper FIT

```
SEFPs11edFIT<-ugarchfit(spec=SEFPs11eed,data=datSEFPretINSA SEFPs11gedFIT
SEFPs22edFIT<-ugarchfit(spec=SEFPs22eed,data=datSEFPretINSA SEFPs22gedFIT
SEFPs12edFIT<-ugarchfit(spec=SEFPs12eed,data=datSEFPretINSA SEFPs12gedFIT
SEFPs21edFIT<-ugarchfit(spec=SEFPs21eed,data=datSEFPretINSA SEFPs21gedFIT
SEFPe11edFIT<-ugarchfit(spec=SEFPe11eed,data=datSEFPretINSA SEFPe11gedFIT
SEFPe22edFIT<-ugarchfit(spec=SEFPe22eed,data=datSEFPretINSA SEFPe22gedFIT
SEFPe12edFIT<-ugarchfit(spec=SEFPe12eed,data=datSEFPretINSA SEFPe12gedFIT
SEFPe21edFIT<-ugarchfit(spec=SEFPe21eed,data=datSEFPretINSA SEFPe21gedFIT
SEFPg11edFIT<-ugarchfit(spec=SEFPg11eed,data=datSEFPretINSA SEFPg11gedFIT
SEFPg22edFIT<-ugarchfit(spec=SEFPg22eed,data=datSEFPretINSA SEFPg22gedFIT
SEFPg12edFIT<-ugarchfit(spec=SEFPg12eed,data=datSEFPretINSA SEFPg12gedFIT
SEFPg21edFIT<-ugarchfit(spec=SEFPg21eed,data=datSEFPretINSA SEFPg21gedFIT
SEFPi11edFIT<-ugarchfit(spec=SEFPi11eed,data=datSEFPretINSA SEFPi11gedFIT
SEFPi22edFIT<-ugarchfit(spec=SEFPi22eed,data=datSEFPretINSA SEFPi22gedFIT
SEFPi12edFIT<-ugarchfit(spec=SEFPi12eed,data=datSEFPretINSA SEFPi12gedFIT
SEFPi21edFIT<-ugarchfit(spec=SEFPi21eed,data=datSEFPretINSA SEFPi21gedFIT
SEFPc11edFIT<-ugarchfit(spec=SEFPc11eed,data=datSEFPretINSA SEFPc11gedFIT
SEFPc22edFIT<-ugarchfit(spec=SEFPc22eed,data=datSEFPretINSA SEFPc22gedFIT
SEFPc12edFIT<-ugarchfit(spec=SEFPc12eed,data=datSEFPretINSA SEFPc12gedFIT
SEFPc21edFIT<-ugarchfit(spec=SEFPc21eed,data=datSEFPretINSA SEFPc21gedFIT

SEFPs11stdFIT<-ugarchfit(spec=SEFPs11std,data=datSEFPretINSA SEFPs11stdFIT
SEFPs22stdFIT<-ugarchfit(spec=SEFPs22std,data=datSEFPretINSA SEFPs22stdFIT
SEFPs12stdFIT<-ugarchfit(spec=SEFPs12std,data=datSEFPretINSA SEFPs12stdFIT
SEFPs21stdFIT<-ugarchfit(spec=SEFPs21std,data=datSEFPretINSA SEFPs21stdFIT
SEFPe11stdFIT<-ugarchfit(spec=SEFPe11std,data=datSEFPretINSA SEFPe11stdFIT
SEFPe22stdFIT<-ugarchfit(spec=SEFPe22std,data=datSEFPretINSA SEFPe22stdFIT
SEFPe12stdFIT<-ugarchfit(spec=SEFPe12std,data=datSEFPretINSA SEFPe12stdFIT
SEFPe21stdFIT<-ugarchfit(spec=SEFPe21std,data=datSEFPretINSA SEFPe21stdFIT
SEFPg11stdFIT<-ugarchfit(spec=SEFPg11std,data=datSEFPretINSA SEFPg11stdFIT
SEFPg22stdFIT<-ugarchfit(spec=SEFPg22std,data=datSEFPretINSA SEFPg22stdFIT
SEFPg12stdFIT<-ugarchfit(spec=SEFPg12std,data=datSEFPretINSA SEFPg12stdFIT
SEFPg21stdFIT<-ugarchfit(spec=SEFPg21std,data=datSEFPretINSA SEFPg21stdFIT
SEFPi11stdFIT<-ugarchfit(spec=SEFPi11std,data=datSEFPretINSA SEFPi11stdFIT
SEFPi22stdFIT<-ugarchfit(spec=SEFPi22std,data=datSEFPretINSA SEFPi22stdFIT
SEFPi12stdFIT<-ugarchfit(spec=SEFPi12std,data=datSEFPretINSA SEFPi12stdFIT
SEFPi21stdFIT<-ugarchfit(spec=SEFPi21std,data=datSEFPretINSA SEFPi21stdFIT
SEFPc11stdFIT<-ugarchfit(spec=SEFPc11std,data=datSEFPretINSA SEFPc11stdFIT
SEFPc22stdFIT<-ugarchfit(spec=SEFPc22std,data=datSEFPretINSA SEFPc22stdFIT
SEFPc12stdFIT<-ugarchfit(spec=SEFPc12std,data=datSEFPretINSA SEFPc12stdFIT
SEFPc21stdFIT<-ugarchfit(spec=SEFPc21std,data=datSEFPretINSA SEFPc21stdFIT

SEFPs11norFIT<-ugarchfit(spec=SEFPs11nor,data=datSEFPretINSA SEFPs11norFIT
SEFPs22norFIT<-ugarchfit(spec=SEFPs22nor,data=datSEFPretINSA SEFPs22norFIT
SEFPs12norFIT<-ugarchfit(spec=SEFPs12nor,data=datSEFPretINSA SEFPs12norFIT
SEFPs21norFIT<-ugarchfit(spec=SEFPs21nor,data=datSEFPretINSA SEFPs21norFIT
SEFPe11norFIT<-ugarchfit(spec=SEFPe11nor,data=datSEFPretINSA SEFPe11norFIT
SEFPe22norFIT<-ugarchfit(spec=SEFPe22nor,data=datSEFPretINSA SEFPe22norFIT
SEFPe12norFIT<-ugarchfit(spec=SEFPe12nor,data=datSEFPretINSA SEFPe12norFIT
SEFPe21norFIT<-ugarchfit(spec=SEFPe21nor,data=datSEFPretINSA SEFPe21norFIT
SEFPg11norFIT<-ugarchfit(spec=SEFPg11nor,data=datSEFPretINSA SEFPg11norFIT
SEFPg22norFIT<-ugarchfit(spec=SEFPg22nor,data=datSEFPretINSA SEFPg22norFIT
SEFPe12norFIT<-ugarchfit(spec=SEFPe12nor,data=datSEFPretINSA SEFPg12norFIT
SEFPe21norFIT<-ugarchfit(spec=SEFPe21nor,data=datSEFPretINSA SEFPg21norFIT
SEFPi11norFIT<-ugarchfit(spec=SEFPi11nor,data=datSEFPretINSA SEFPi11norFIT
SEFPi22norFIT<-ugarchfit(spec=SEFPi22nor,data=datSEFPretINSA SEFPi22norFIT
SEFPi12norFIT<-ugarchfit(spec=SEFPi12nor,data=datSEFPretINSA SEFPi12norFIT
SEFPi21norFIT<-ugarchfit(spec=SEFPi21nor,data=datSEFPretINSA SEFPi21norFIT
SEFPc11norFIT<-ugarchfit(spec=SEFPc11nor,data=datSEFPretINSA SEFPc11norFIT
SEFPc22norFIT<-ugarchfit(spec=SEFPc22nor,data=datSEFPretINSA SEFPc22norFIT
SEFPc12norFIT<-ugarchfit(spec=SEFPc12nor,data=datSEFPretINSA SEFPc12norFIT
SEFPc21norFIT<-ugarchfit(spec=SEFPc21nor,data=datSEFPretINSA SEFPc21norFIT
```

ElectricityFIT

```
SEECs11edFIT<-ugarchfit(spec=SEECs11eed,data=datSEECretINSA SEECs11gedFIT
SEECs22edFIT<-ugarchfit(spec=SEECs22eed,data=datSEECretINSA SEECs22gedFIT
SEECs12edFIT<-ugarchfit(spec=SEECs12eed,data=datSEECretINSA SEECs12gedFIT
SEECs21edFIT<-ugarchfit(spec=SEECs21eed,data=datSEECretINSA SEECs21gedFIT
SEECe11edFIT<-ugarchfit(spec=SEECe11eed,data=datSEECretINSA SEECe11gedFIT
SEECe22edFIT<-ugarchfit(spec=SEECe22eed,data=datSEECretINSA SEECe22gedFIT
SEECe12edFIT<-ugarchfit(spec=SEECe12eed,data=datSEECretINSA SEECe12gedFIT
SEECe21edFIT<-ugarchfit(spec=SEECe21eed,data=datSEECretINSA SEECe21gedFIT
SEECg11edFIT<-ugarchfit(spec=SEECg11eed,data=datSEECretINSA SEECg11gedFIT
SEECg22edFIT<-ugarchfit(spec=SEECg22eed,data=datSEECretINSA SEECg22gedFIT
SEECg12edFIT<-ugarchfit(spec=SEECg12eed,data=datSEECretINSA SEECg12gedFIT
SEECg21edFIT<-ugarchfit(spec=SEECg21eed,data=datSEECretINSA SEECg21gedFIT
SEECi11edFIT<-ugarchfit(spec=SEECi11eed,data=datSEECretINSA SEECi11gedFIT
SEECi22edFIT<-ugarchfit(spec=SEECi22eed,data=datSEECretINSA SEECi22gedFIT
SEECi12edFIT<-ugarchfit(spec=SEECi12eed,data=datSEECretINSA SEECi12gedFIT
SEECi21edFIT<-ugarchfit(spec=SEECi21eed,data=datSEECretINSA SEECi21gedFIT
SEECc11edFIT<-ugarchfit(spec=SEECc11eed,data=datSEECretINSA SEECc11gedFIT
SEECc22edFIT<-ugarchfit(spec=SEECc22eed,data=datSEECretINSA SEECc22gedFIT
SEECc12edFIT<-ugarchfit(spec=SEECc12eed,data=datSEECretINSA SEECc12gedFIT
SEECc21edFIT<-ugarchfit(spec=SEECc21eed,data=datSEECretINSA SEECc21gedFIT

SEECs11stdFIT<-ugarchfit(spec=SEECs11std,data=datSEECretINSA SEECs11stdFIT
SEECs22stdFIT<-ugarchfit(spec=SEECs22std,data=datSEECretINSA SEECs22stdFIT
SEECs12stdFIT<-ugarchfit(spec=SEECs12std,data=datSEECretINSA SEECs12stdFIT
SEECs21stdFIT<-ugarchfit(spec=SEECs21std,data=datSEECretINSA SEECs21stdFIT
SEECe11stdFIT<-ugarchfit(spec=SEECe11std,data=datSEECretINSA SEECe11stdFIT
SEECe22stdFIT<-ugarchfit(spec=SEECe22std,data=datSEECretINSA SEECe22stdFIT
SEECe12stdFIT<-ugarchfit(spec=SEECe12std,data=datSEECretINSA SEECe12stdFIT
SEECe21stdFIT<-ugarchfit(spec=SEECe21std,data=datSEECretINSA SEECe21stdFIT
SEECe11stdFIT<-ugarchfit(spec=SEECe11std,data=datSEECretINSA SEECg11stdFIT
SEECe22stdFIT<-ugarchfit(spec=SEECe22std,data=datSEECretINSA SEECg22stdFIT
SEECe12stdFIT<-ugarchfit(spec=SEECe12std,data=datSEECretINSA SEECg12stdFIT
SEECe21stdFIT<-ugarchfit(spec=SEECe21std,data=datSEECretINSA SEECg21stdFIT
SEECi11stdFIT<-ugarchfit(spec=SEECi11std,data=datSEECretINSA SEECi11stdFIT
SEECi22stdFIT<-ugarchfit(spec=SEECi22std,data=datSEECretINSA SEECi22stdFIT
SEECi12stdFIT<-ugarchfit(spec=SEECi12std,data=datSEECretINSA SEECi12stdFIT
SEECi21stdFIT<-ugarchfit(spec=SEECi21std,data=datSEECretINSA SEECi21stdFIT
SEECc11stdFIT<-ugarchfit(spec=SEECc11std,data=datSEECretINSA SEECc11stdFIT
SEECc22stdFIT<-ugarchfit(spec=SEECc22std,data=datSEECretINSA SEECc22stdFIT
SEECc12stdFIT<-ugarchfit(spec=SEECc12std,data=datSEECretINSA SEECc12stdFIT
SEECc21stdFIT<-ugarchfit(spec=SEECc21std,data=datSEECretINSA SEECc21stdFIT

SEECs11norFIT<-ugarchfit(spec=SEECs11nor,data=datSEECretINSA SEECs11norFIT
SEECs22norFIT<-ugarchfit(spec=SEECs22nor,data=datSEECretINSA SEECs22norFIT
SEECs12norFIT<-ugarchfit(spec=SEECs12nor,data=datSEECretINSA SEECs12norFIT
SEECs21norFIT<-ugarchfit(spec=SEECs21nor,data=datSEECretINSA SEECs21norFIT
SEECe11norFIT<-ugarchfit(spec=SEECe11nor,data=datSEECretINSA SEECe11norFIT
SEECe22norFIT<-ugarchfit(spec=SEECe22nor,data=datSEECretINSA SEECe22norFIT
SEECe12norFIT<-ugarchfit(spec=SEECe12nor,data=datSEECretINSA SEECe12norFIT
SEECe21norFIT<-ugarchfit(spec=SEECe21nor,data=datSEECretINSA SEECe21norFIT
SEECg11norFIT<-ugarchfit(spec=SEECg11nor,data=datSEECretINSA SEECg11norFIT
```

```
SEECg22norFIT<-ugarchfit(spec=SEECg22nor,data=datSEECretINSA SEECg22norFIT
SEECe12norFIT<-ugarchfit(spec=SEECe12nor,data=datSEECretINSA SEECg12norFIT
SEECe21norFIT<-ugarchfit(spec=SEECe21nor,data=datSEECretINSA SEECg21norFIT
SEEC111norFIT<-ugarchfit(spec=SEEC111nor,data=datSEECretINSA SEEC111norFIT
SEEC122norFIT<-ugarchfit(spec=SEEC122nor,data=datSEECretINSA SEEC122norFIT
SEEC112norFIT<-ugarchfit(spec=SEEC112nor,data=datSEECretINSA SEEC112norFIT
SEEC121norFIT<-ugarchfit(spec=SEEC121nor,data=datSEECretINSA SEEC121norFIT
SEECc11norFIT<-ugarchfit(spec=SEECc11nor,data=datSEECretINSA SEECc11norFIT
SEECc22norFIT<-ugarchfit(spec=SEECc22nor,data=datSEECretINSA SEECc22norFIT
SEECc12norFIT<-ugarchfit(spec=SEECc12nor,data=datSEECretINSA SEECc12norFIT
SEECc21norFIT<-ugarchfit(spec=SEECc21nor,data=datSEECretINSA SEECc21norFIT

##Fixed LineFIT
SEFLs11gedFIT<-ugarchfit(spec=SEFLs11ged,data=datSEFLretINSA SEFLs11gedFIT
SEFLs22gedFIT<-ugarchfit(spec=SEFLs22ged,data=datSEFLretINSA SEFLs22gedFIT
SEFLs12gedFIT<-ugarchfit(spec=SEFLs12ged,data=datSEFLretINSA SEFLs12gedFIT
SEFLs21gedFIT<-ugarchfit(spec=SEFLs21ged,data=datSEFLretINSA SEFLs21gedFIT
SEFLe11gedFIT<-ugarchfit(spec=SEFLe11ged,data=datSEFLretINSA SEFLe11gedFIT
SEFLe22gedFIT<-ugarchfit(spec=SEFLe22ged,data=datSEFLretINSA SEFLe22gedFIT
SEFLe12gedFIT<-ugarchfit(spec=SEFLe12ged,data=datSEFLretINSA SEFLe12gedFIT
SEFLe21gedFIT<-ugarchfit(spec=SEFLe21ged,data=datSEFLretINSA SEFLe21gedFIT
SEFLg11gedFIT<-ugarchfit(spec=SEFLg11ged,data=datSEFLretINSA SEFLg11gedFIT
SEFLg22gedFIT<-ugarchfit(spec=SEFLg22ged,data=datSEFLretINSA SEFLg22gedFIT
SEFLg12gedFIT<-ugarchfit(spec=SEFLg12ged,data=datSEFLretINSA SEFLg12gedFIT
SEFLg21gedFIT<-ugarchfit(spec=SEFLg21ged,data=datSEFLretINSA SEFLg21gedFIT
SEFLi11gedFIT<-ugarchfit(spec=SEFLi11ged,data=datSEFLretINSA SEFLi11gedFIT
SEFLi22gedFIT<-ugarchfit(spec=SEFLi22ged,data=datSEFLretINSA SEFLi22gedFIT
SEFLi12gedFIT<-ugarchfit(spec=SEFLi12ged,data=datSEFLretINSA SEFLi12gedFIT
SEFLi21gedFIT<-ugarchfit(spec=SEFLi21ged,data=datSEFLretINSA SEFLi21gedFIT
SEFLc11gedFIT<-ugarchfit(spec=SEFLc11ged,data=datSEFLretINSA SEFLc11gedFIT
SEFLc22gedFIT<-ugarchfit(spec=SEFLc22ged,data=datSEFLretINSA SEFLc22gedFIT
SEFLc12gedFIT<-ugarchfit(spec=SEFLc12ged,data=datSEFLretINSA SEFLc12gedFIT
SEFLc21gedFIT<-ugarchfit(spec=SEFLc21ged,data=datSEFLretINSA SEFLc21gedFIT

SEFLs11stdFIT<-ugarchfit(spec=SEFLs11std,data=datSEFLretINSA SEFLs11stdFIT
SEFLs22stdFIT<-ugarchfit(spec=SEFLs22std,data=datSEFLretINSA SEFLs22stdFIT
SEFLs12stdFIT<-ugarchfit(spec=SEFLs12std,data=datSEFLretINSA SEFLs12stdFIT
SEFLs21stdFIT<-ugarchfit(spec=SEFLs21std,data=datSEFLretINSA SEFLs21stdFIT
SEFLe11stdFIT<-ugarchfit(spec=SEFLe11std,data=datSEFLretINSA SEFLe11stdFIT
SEFLe22stdFIT<-ugarchfit(spec=SEFLe22std,data=datSEFLretINSA SEFLe22stdFIT
SEFLe12stdFIT<-ugarchfit(spec=SEFLe12std,data=datSEFLretINSA SEFLe12stdFIT
SEFLe21stdFIT<-ugarchfit(spec=SEFLe21std,data=datSEFLretINSA SEFLe21stdFIT
SEFLg11stdFIT<-ugarchfit(spec=SEFLg11std,data=datSEFLretINSA SEFLg11stdFIT
SEFLg22stdFIT<-ugarchfit(spec=SEFLg22std,data=datSEFLretINSA SEFLg22stdFIT
SEFLg12stdFIT<-ugarchfit(spec=SEFLg12std,data=datSEFLretINSA SEFLg12stdFIT
SEFLg21stdFIT<-ugarchfit(spec=SEFLg21std,data=datSEFLretINSA SEFLg21stdFIT
SEFLi11stdFIT<-ugarchfit(spec=SEFLi11std,data=datSEFLretINSA SEFLi11stdFIT
SEFLi22stdFIT<-ugarchfit(spec=SEFLi22std,data=datSEFLretINSA SEFLi22stdFIT
SEFLi12stdFIT<-ugarchfit(spec=SEFLi12std,data=datSEFLretINSA SEFLi12stdFIT
SEFLi21stdFIT<-ugarchfit(spec=SEFLi21std,data=datSEFLretINSA SEFLi21stdFIT
SEFLc11stdFIT<-ugarchfit(spec=SEFLc11std,data=datSEFLretINSA SEFLc11stdFIT
SEFLc22stdFIT<-ugarchfit(spec=SEFLc22std,data=datSEFLretINSA SEFLc22stdFIT
SEFLc12stdFIT<-ugarchfit(spec=SEFLc12std,data=datSEFLretINSA SEFLc12stdFIT
SEFLc21stdFIT<-ugarchfit(spec=SEFLc21std,data=datSEFLretINSA SEFLc21stdFIT

SEFLs11norFIT<-ugarchfit(spec=SEFLs11nor,data=datSEFLretINSA SEFLs11norFIT
SEFLs22norFIT<-ugarchfit(spec=SEFLs22nor,data=datSEFLretINSA SEFLs22norFIT
SEFLs12norFIT<-ugarchfit(spec=SEFLs12nor,data=datSEFLretINSA SEFLs12norFIT
SEFLs21norFIT<-ugarchfit(spec=SEFLs21nor,data=datSEFLretINSA SEFLs21norFIT
SEFLe11norFIT<-ugarchfit(spec=SEFLe11nor,data=datSEFLretINSA SEFLe11norFIT
SEFLe22norFIT<-ugarchfit(spec=SEFLe22nor,data=datSEFLretINSA SEFLe22norFIT
SEFLe12norFIT<-ugarchfit(spec=SEFLe12nor,data=datSEFLretINSA SEFLe12norFIT
SEFLe21norFIT<-ugarchfit(spec=SEFLe21nor,data=datSEFLretINSA SEFLe21norFIT
SEFLg11norFIT<-ugarchfit(spec=SEFLg11nor,data=datSEFLretINSA SEFLg11norFIT
SEFLg22norFIT<-ugarchfit(spec=SEFLg22nor,data=datSEFLretINSA SEFLg22norFIT
SEFLg12norFIT<-ugarchfit(spec=SEFLg12nor,data=datSEFLretINSA SEFLg12norFIT
SEFLe21norFIT<-ugarchfit(spec=SEFLe21nor,data=datSEFLretINSA SEFLg21norFIT
SEFLi11norFIT<-ugarchfit(spec=SEFLi11nor,data=datSEFLretINSA SEFLi11norFIT
SEFLi22norFIT<-ugarchfit(spec=SEFLi22nor,data=datSEFLretINSA SEFLi22norFIT
SEFLi12norFIT<-ugarchfit(spec=SEFLi12nor,data=datSEFLretINSA SEFLi12norFIT
SEFLi21norFIT<-ugarchfit(spec=SEFLi21nor,data=datSEFLretINSA SEFLi21norFIT
SEFLc11norFIT<-ugarchfit(spec=SEFLc11nor,data=datSEFLretINSA SEFLc11norFIT
SEFLc22norFIT<-ugarchfit(spec=SEFLc22nor,data=datSEFLretINSA SEFLc22norFIT
SEFLc12norFIT<-ugarchfit(spec=SEFLc12nor,data=datSEFLretINSA SEFLc12norFIT
SEFLc21norFIT<-ugarchfit(spec=SEFLc21nor,data=datSEFLretINSA SEFLc21norFIT

##Gas WaterFIT
SEUTs11gedFIT<-ugarchfit(spec=SEUTs11ged,data=datSEUTretINSA SEUTs11gedFIT
SEUTs22gedFIT<-ugarchfit(spec=SEUTs22ged,data=datSEUTretINSA SEUTs22gedFIT
SEUTs12gedFIT<-ugarchfit(spec=SEUTs12ged,data=datSEUTretINSA SEUTs12gedFIT
SEUTs21gedFIT<-ugarchfit(spec=SEUTs21ged,data=datSEUTretINSA SEUTs21gedFIT
SEUTe11gedFIT<-ugarchfit(spec=SEUTe11ged,data=datSEUTretINSA SEUTe11gedFIT
SEUTe22gedFIT<-ugarchfit(spec=SEUTe22ged,data=datSEUTretINSA SEUTe22gedFIT
SEUTe12gedFIT<-ugarchfit(spec=SEUTe12ged,data=datSEUTretINSA SEUTe12gedFIT
SEUTe21gedFIT<-ugarchfit(spec=SEUTe21ged,data=datSEUTretINSA SEUTe21gedFIT
SEUTg11gedFIT<-ugarchfit(spec=SEUTg11ged,data=datSEUTretINSA SEUTg11gedFIT
SEUTg22gedFIT<-ugarchfit(spec=SEUTg22ged,data=datSEUTretINSA SEUTg22gedFIT
SEUTg12gedFIT<-ugarchfit(spec=SEUTg12ged,data=datSEUTretINSA SEUTg12gedFIT
SEUTg21gedFIT<-ugarchfit(spec=SEUTg21ged,data=datSEUTretINSA SEUTg21gedFIT
SEUTi11gedFIT<-ugarchfit(spec=SEUTi11ged,data=datSEUTretINSA SEUTi11gedFIT
SEUTi22gedFIT<-ugarchfit(spec=SEUTi22ged,data=datSEUTretINSA SEUTi22gedFIT
SEUTi12gedFIT<-ugarchfit(spec=SEUTi12ged,data=datSEUTretINSA SEUTi12gedFIT
SEUTi21gedFIT<-ugarchfit(spec=SEUTi21ged,data=datSEUTretINSA SEUTi21gedFIT
SEUTc11gedFIT<-ugarchfit(spec=SEUTc11ged,data=datSEUTretINSA SEUTc11gedFIT
SEUTc22gedFIT<-ugarchfit(spec=SEUTc22ged,data=datSEUTretINSA SEUTc22gedFIT
SEUTc12gedFIT<-ugarchfit(spec=SEUTc12ged,data=datSEUTretINSA SEUTc12gedFIT
SEUTc21gedFIT<-ugarchfit(spec=SEUTc21ged,data=datSEUTretINSA SEUTc21gedFIT

SEUTs11stdFIT<-ugarchfit(spec=SEUTs11std,data=datSEUTretINSA SEUTs11stdFIT
SEUTs22stdFIT<-ugarchfit(spec=SEUTs22std,data=datSEUTretINSA SEUTs22stdFIT
SEUTs12stdFIT<-ugarchfit(spec=SEUTs12std,data=datSEUTretINSA SEUTs12stdFIT
SEUTs21stdFIT<-ugarchfit(spec=SEUTs21std,data=datSEUTretINSA SEUTs21stdFIT
SEUTe11stdFIT<-ugarchfit(spec=SEUTe11std,data=datSEUTretINSA SEUTe11stdFIT
SEUTe22stdFIT<-ugarchfit(spec=SEUTe22std,data=datSEUTretINSA SEUTe22stdFIT
SEUTe12stdFIT<-ugarchfit(spec=SEUTe12std,data=datSEUTretINSA SEUTe12stdFIT
SEUTe21stdFIT<-ugarchfit(spec=SEUTe21std,data=datSEUTretINSA SEUTe21stdFIT
SEUTg11stdFIT<-ugarchfit(spec=SEUTg11std,data=datSEUTretINSA SEUTg11stdFIT
SEUTg22stdFIT<-ugarchfit(spec=SEUTg22std,data=datSEUTretINSA SEUTg22stdFIT
SEUTg12stdFIT<-ugarchfit(spec=SEUTg12std,data=datSEUTretINSA SEUTg12stdFIT
SEUTg21stdFIT<-ugarchfit(spec=SEUTg21std,data=datSEUTretINSA SEUTg21stdFIT
SEUTi11stdFIT<-ugarchfit(spec=SEUTi11std,data=datSEUTretINSA SEUTi11stdFIT
SEUTi22stdFIT<-ugarchfit(spec=SEUTi22std,data=datSEUTretINSA SEUTi22stdFIT
SEUTi12stdFIT<-ugarchfit(spec=SEUTi12std,data=datSEUTretINSA SEUTi12stdFIT
SEUTi21stdFIT<-ugarchfit(spec=SEUTi21std,data=datSEUTretINSA SEUTi21stdFIT
SEUTc11stdFIT<-ugarchfit(spec=SEUTc11std,data=datSEUTretINSA SEUTc11stdFIT
SEUTc22stdFIT<-ugarchfit(spec=SEUTc22std,data=datSEUTretINSA SEUTc22stdFIT
SEUTc12stdFIT<-ugarchfit(spec=SEUTc12std,data=datSEUTretINSA SEUTc12stdFIT
SEUTc21stdFIT<-ugarchfit(spec=SEUTc21std,data=datSEUTretINSA SEUTc21stdFIT

SEUTs11norFIT<-ugarchfit(spec=SEUTs11nor,data=datSEUTretINSA SEUTs11norFIT
SEUTs22norFIT<-ugarchfit(spec=SEUTs22nor,data=datSEUTretINSA SEUTs22norFIT
SEUTs12norFIT<-ugarchfit(spec=SEUTs12nor,data=datSEUTretINSA SEUTs12norFIT
SEUTs21norFIT<-ugarchfit(spec=SEUTs21nor,data=datSEUTretINSA SEUTs21norFIT
SEUTe11norFIT<-ugarchfit(spec=SEUTe11nor,data=datSEUTretINSA SEUTe11norFIT
SEUTe22norFIT<-ugarchfit(spec=SEUTe22nor,data=datSEUTretINSA SEUTe22norFIT
SEUTe12norFIT<-ugarchfit(spec=SEUTe12nor,data=datSEUTretINSA SEUTe12norFIT
SEUTe21norFIT<-ugarchfit(spec=SEUTe21nor,data=datSEUTretINSA SEUTe21norFIT
SEUTg11norFIT<-ugarchfit(spec=SEUTg11nor,data=datSEUTretINSA SEUTg11norFIT
SEUTg22norFIT<-ugarchfit(spec=SEUTg22nor,data=datSEUTretINSA SEUTg22norFIT
SEUTg12norFIT<-ugarchfit(spec=SEUTg12nor,data=datSEUTretINSA SEUTg12norFIT
SEUTg21norFIT<-ugarchfit(spec=SEUTg21nor,data=datSEUTretINSA SEUTg21norFIT
SEUTi11norFIT<-ugarchfit(spec=SEUTi11nor,data=datSEUTretINSA SEUTi11norFIT
SEUTi22norFIT<-ugarchfit(spec=SEUTi22nor,data=datSEUTretINSA SEUTi22norFIT
SEUTi12norFIT<-ugarchfit(spec=SEUTi12nor,data=datSEUTretINSA SEUTi12norFIT
SEUTi21norFIT<-ugarchfit(spec=SEUTi21nor,data=datSEUTretINSA SEUTi21norFIT
SEUTc11norFIT<-ugarchfit(spec=SEUTc11nor,data=datSEUTretINSA SEUTc11norFIT
SEUTc22norFIT<-ugarchfit(spec=SEUTc22nor,data=datSEUTretINSA SEUTc22norFIT
SEUTc12norFIT<-ugarchfit(spec=SEUTc12nor,data=datSEUTretINSA SEUTc12norFIT
SEUTc21norFIT<-ugarchfit(spec=SEUTc21nor,data=datSEUTretINSA SEUTc21norFIT

##Industrial Transportation FIT
SETRs11gedFIT<-ugarchfit(spec=SETRs11ged,data=datSETRretINSA SETRs11gedFIT
SETRs22gedFIT<-ugarchfit(spec=SETRs22ged,data=datSETRretINSA SETRs22gedFIT
SETRs12gedFIT<-ugarchfit(spec=SETRs12ged,data=datSETRretINSA SETRs12gedFIT
SETRs21gedFIT<-ugarchfit(spec=SETRs21ged,data=datSETRretINSA SETRs21gedFIT
SETRe11gedFIT<-ugarchfit(spec=SETRe11ged,data=datSETRretINSA SETRe11gedFIT
SETRe22gedFIT<-ugarchfit(spec=SETRe22ged,data=datSETRretINSA SETRe22gedFIT
SETRe12gedFIT<-ugarchfit(spec=SETRe12ged,data=datSETRretINSA SETRe12gedFIT
SETRe21gedFIT<-ugarchfit(spec=SETRe21ged,data=datSETRretINSA SETRe21gedFIT
SETRg11gedFIT<-ugarchfit(spec=SETRg11ged,data=datSETRretINSA SETRg11gedFIT
SETRg22gedFIT<-ugarchfit(spec=SETRg22ged,data=datSETRretINSA SETRg22gedFIT
SETRg12gedFIT<-ugarchfit(spec=SETRg12ged,data=datSETRretINSA SETRg12gedFIT
SETRg21gedFIT<-ugarchfit(spec=SETRg21ged,data=datSETRretINSA SETRg21gedFIT
SETRi11gedFIT<-ugarchfit(spec=SETRi11ged,data=datSETRretINSA SETRi11gedFIT
SETRi22gedFIT<-ugarchfit(spec=SETRi22ged,data=datSETRretINSA SETRi22gedFIT
SETRi12gedFIT<-ugarchfit(spec=SETRi12ged,data=datSETRretINSA SETRi12gedFIT
SETRi21gedFIT<-ugarchfit(spec=SETRi21ged,data=datSETRretINSA SETRi21gedFIT
SETRc11gedFIT<-ugarchfit(spec=SETRc11ged,data=datSETRretINSA SETRc11gedFIT
SETRc22gedFIT<-ugarchfit(spec=SETRc22ged,data=datSETRretINSA SETRc22gedFIT
SETRc12gedFIT<-ugarchfit(spec=SETRc12ged,data=datSETRretINSA SETRc12gedFIT
SETRc21gedFIT<-ugarchfit(spec=SETRc21ged,data=datSETRretINSA SETRc21gedFIT

SETRs11stdFIT<-ugarchfit(spec=SETRs11std,data=datSETRretINSA SETRs11stdFIT
SETRs22stdFIT<-ugarchfit(spec=SETRs22std,data=datSETRretINSA SETRs22stdFIT
SETRs12stdFIT<-ugarchfit(spec=SETRs12std,data=datSETRretINSA SETRs12stdFIT
SETRs21stdFIT<-ugarchfit(spec=SETRs21std,data=datSETRretINSA SETRs21stdFIT
SETRe11stdFIT<-ugarchfit(spec=SETRe11std,data=datSETRretINSA SETRe11stdFIT
SETRe22stdFIT<-ugarchfit(spec=SETRe22std,data=datSETRretINSA SETRe22stdFIT
SETRe12stdFIT<-ugarchfit(spec=SETRe12std,data=datSETRretINSA SETRe12stdFIT
SETRe21stdFIT<-ugarchfit(spec=SETRe21std,data=datSETRretINSA SETRe21stdFIT
SETRg11stdFIT<-ugarchfit(spec=SETRg11std,data=datSETRretINSA SETRg11stdFIT
SETRg22stdFIT<-ugarchfit(spec=SETRg22std,data=datSETRretINSA SETRg22stdFIT
SETRe12stdFIT<-ugarchfit(spec=SETRe12std,data=datSETRretINSA SETRg12stdFIT
SETRe21stdFIT<-ugarchfit(spec=SETRe21std,data=datSETRretINSA SETRg21stdFIT
SETRi11stdFIT<-ugarchfit(spec=SETRi11std,data=datSETRretINSA SETRi11stdFIT
SETRi22stdFIT<-ugarchfit(spec=SETRi22std,data=datSETRretINSA SETRi22stdFIT
SETRi12stdFIT<-ugarchfit(spec=SETRi12std,data=datSETRretINSA SETRi12stdFIT
SETRi21stdFIT<-ugarchfit(spec=SETRi21std,data=datSETRretINSA SETRi21stdFIT
SETRc11stdFIT<-ugarchfit(spec=SETRc11std,data=datSETRretINSA SETRc11stdFIT
SETRc22stdFIT<-ugarchfit(spec=SETRc22std,data=datSETRretINSA SETRc22stdFIT
SETRc12stdFIT<-ugarchfit(spec=SETRc12std,data=datSETRretINSA SETRc12stdFIT
SETRc21stdFIT<-ugarchfit(spec=SETRc21std,data=datSETRretINSA SETRc21stdFIT

SETRs11norFIT<-ugarchfit(spec=SETRs11nor,data=datSETRretINSA SETRs11norFIT
SETRs22norFIT<-ugarchfit(spec=SETRs22nor,data=datSETRretINSA SETRs22norFIT
SETRs12norFIT<-ugarchfit(spec=SETRs12nor,data=datSETRretINSA SETRs12norFIT
SETRs21norFIT<-ugarchfit(spec=SETRs21nor,data=datSETRretINSA SETRs21norFIT
SETRe11norFIT<-ugarchfit(spec=SETRe11nor,data=datSETRretINSA SETRe11norFIT
SETRe22norFIT<-ugarchfit(spec=SETRe22nor,data=datSETRretINSA SETRe22norFIT
SETRe12norFIT<-ugarchfit(spec=SETRe12nor,data=datSETRretINSA SETRe12norFIT
SETRe21norFIT<-ugarchfit(spec=SETRe21nor,data=datSETRretINSA SETRe21norFIT
SETRg11norFIT<-ugarchfit(spec=SETRg11nor,data=datSETRretINSA SETRg11norFIT
SETRg22norFIT<-ugarchfit(spec=SETRg22nor,data=datSETRretINSA SETRg22norFIT
SETRg12norFIT<-ugarchfit(spec=SETRg12nor,data=datSETRretINSA SETRg12norFIT
SETRg21norFIT<-ugarchfit(spec=SETRg21nor,data=datSETRretINSA SETRg21norFIT
```

```
SETRi11norFIT<-ugarchfit(spec=SETRi11nor,data=datSETRretINSA SETRi11norFIT
SETRi12norFIT<-ugarchfit(spec=SETRi12nor,data=datSETRretINSA SETRi12norFIT
SETRi11norFIT<-ugarchfit(spec=SETRi11nor,data=datSETRretINSA SETRi12norFIT
SETRi21norFIT<-ugarchfit(spec=SETRi21nor,data=datSETRretINSA SETRi21norFIT
SETRc11norFIT<-ugarchfit(spec=SETRc11nor,data=datSETRretINSA SETRc11norFIT
SETRc22norFIT<-ugarchfit(spec=SETRc22nor,data=datSETRretINSA SETRc22norFIT
SETRc12norFIT<-ugarchfit(spec=SETRc12nor,data=datSETRretINSA SETRc12norFIT
SETRc21norFIT<-ugarchfit(spec=SETRc21nor,data=datSETRretINSA SETRc21norFIT

##Mobile TelecommunicationFIT
SEMOs11gedFIT<-ugarchfit(spec=SEMOs11ged,data=datSEMOretINSA SEMOs11gedFIT
SEMOs22gedFIT<-ugarchfit(spec=SEMOs22ged,data=datSEMOretINSA SEMOs22gedFIT
SEMOs12gedFIT<-ugarchfit(spec=SEMOs12ged,data=datSEMOretINSA SEMOs12gedFIT
SEMOs21gedFIT<-ugarchfit(spec=SEMOs21ged,data=datSEMOretINSA SEMOs21gedFIT
SEMOe11gedFIT<-ugarchfit(spec=SEMOe11eed,data=datSEMOretINSA SEMOe11gedFIT
SEMOe22gedFIT<-ugarchfit(spec=SEMOe22eed,data=datSEMOretINSA SEMOe22gedFIT
SEMOe12gedFIT<-ugarchfit(spec=SEMOe12eed,data=datSEMOretINSA SEMOe12gedFIT
SEMOe21gedFIT<-ugarchfit(spec=SEMOe21eed,data=datSEMOretINSA SEMOe21gedFIT
SEMOg11gedFIT<-ugarchfit(spec=SEMOg11eed,data=datSEMOretINSA SEMOg11gedFIT
SEMOg22gedFIT<-ugarchfit(spec=SEMOg22eed,data=datSEMOretINSA SEMOg22gedFIT
SEMOg12gedFIT<-ugarchfit(spec=SEMOg12eed,data=datSEMOretINSA SEMOg12gedFIT
SEMOg21gedFIT<-ugarchfit(spec=SEMOg21eed,data=datSEMOretINSA SEMOg21gedFIT
SEMOi11gedFIT<-ugarchfit(spec=SEMOi11ged,data=datSEMOretINSA SEMOi11gedFIT
SEMOi22gedFIT<-ugarchfit(spec=SEMOi22ged,data=datSEMOretINSA SEMOi22gedFIT
SEMOi12gedFIT<-ugarchfit(spec=SEMOi12ged,data=datSEMOretINSA SEMOi12gedFIT
SEMOi21gedFIT<-ugarchfit(spec=SEMOi21ged,data=datSEMOretINSA SEMOi21gedFIT
SEMOc11gedFIT<-ugarchfit(spec=SEMOc11eed,data=datSEMOretINSA SEMOc11gedFIT
SEMOc22gedFIT<-ugarchfit(spec=SEMOc22eed,data=datSEMOretINSA SEMOc22gedFIT
SEMOc12gedFIT<-ugarchfit(spec=SEMOc12eed,data=datSEMOretINSA SEMOc12gedFIT
SEMOc21gedFIT<-ugarchfit(spec=SEMOc21eed,data=datSEMOretINSA SEMOc21gedFIT

SEMOs11stdFIT<-ugarchfit(spec=SEMOs11std,data=datSEMOretINSA SEMOs11stdFIT
SEMOs22stdFIT<-ugarchfit(spec=SEMOs22std,data=datSEMOretINSA SEMOs22stdFIT
SEMOs12stdFIT<-ugarchfit(spec=SEMOs12std,data=datSEMOretINSA SEMOs12stdFIT
SEMOs21stdFIT<-ugarchfit(spec=SEMOs21std,data=datSEMOretINSA SEMOs21stdFIT
SEMOe11stdFIT<-ugarchfit(spec=SEMOe11std,data=datSEMOretINSA SEMOe11stdFIT
SEMOe22stdFIT<-ugarchfit(spec=SEMOe22std,data=datSEMOretINSA SEMOe22stdFIT
SEMOe12stdFIT<-ugarchfit(spec=SEMOe12std,data=datSEMOretINSA SEMOe12stdFIT
SEMOe21stdFIT<-ugarchfit(spec=SEMOe21std,data=datSEMOretINSA SEMOe21stdFIT
SEMOg11stdFIT<-ugarchfit(spec=SEMOg11std,data=datSEMOretINSA SEMOg11stdFIT
SEMOe22stdFIT<-ugarchfit(spec=SEMOe22std,data=datSEMOretINSA SEMOg22stdFIT
SEMOe12stdFIT<-ugarchfit(spec=SEMOe12std,data=datSEMOretINSA SEMOg12stdFIT
SEMOe21stdFIT<-ugarchfit(spec=SEMOe21std,data=datSEMOretINSA SEMOg21stdFIT
SEMOi11stdFIT<-ugarchfit(spec=SEMOi11std,data=datSEMOretINSA SEMOi11stdFIT
SEMOi22stdFIT<-ugarchfit(spec=SEMOi22std,data=datSEMOretINSA SEMOi22stdFIT
SEMOi12stdFIT<-ugarchfit(spec=SEMOi12std,data=datSEMOretINSA SEMOi12stdFIT
SEMOi21stdFIT<-ugarchfit(spec=SEMOi21std,data=datSEMOretINSA SEMOi21stdFIT
SEMOc11stdFIT<-ugarchfit(spec=SEMOc11std,data=datSEMOretINSA SEMOc11stdFIT
SEMOc22stdFIT<-ugarchfit(spec=SEMOc22std,data=datSEMOretINSA SEMOc22stdFIT
SEMOc12stdFIT<-ugarchfit(spec=SEMOc12std,data=datSEMOretINSA SEMOc12stdFIT
SEMOc21stdFIT<-ugarchfit(spec=SEMOc21std,data=datSEMOretINSA SEMOc21stdFIT

SEMOs11norFIT<-ugarchfit(spec=SEMOs11nor,data=datSEMOretINSA SEMOs11norFIT
SEMOs22norFIT<-ugarchfit(spec=SEMOs22nor,data=datSEMOretINSA SEMOs22norFIT
SEMOs12norFIT<-ugarchfit(spec=SEMOs12nor,data=datSEMOretINSA SEMOs12norFIT
SEMOs21norFIT<-ugarchfit(spec=SEMOs21nor,data=datSEMOretINSA SEMOs21norFIT
SEMOe11norFIT<-ugarchfit(spec=SEMOe11nor,data=datSEMOretINSA SEMOe11norFIT
SEMOe22norFIT<-ugarchfit(spec=SEMOe22nor,data=datSEMOretINSA SEMOe22norFIT
SEMOe12norFIT<-ugarchfit(spec=SEMOe12nor,data=datSEMOretINSA SEMOe12norFIT
SEMOe21norFIT<-ugarchfit(spec=SEMOe21nor,data=datSEMOretINSA SEMOe21norFIT
SEMOg11norFIT<-ugarchfit(spec=SEMOg11nor,data=datSEMOretINSA SEMOg11norFIT
SEMOg22norFIT<-ugarchfit(spec=SEMOg22nor,data=datSEMOretINSA SEMOg22norFIT
SEMOg12norFIT<-ugarchfit(spec=SEMOg12nor,data=datSEMOretINSA SEMOg12norFIT
SEMOg21norFIT<-ugarchfit(spec=SEMOg21nor,data=datSEMOretINSA SEMOg21norFIT
SEMOi11norFIT<-ugarchfit(spec=SEMOi11nor,data=datSEMOretINSA SEMOi11norFIT
SEMOi22norFIT<-ugarchfit(spec=SEMOi22nor,data=datSEMOretINSA SEMOi22norFIT
SEMOi12norFIT<-ugarchfit(spec=SEMOi12nor,data=datSEMOretINSA SEMOi12norFIT
SEMOi21norFIT<-ugarchfit(spec=SEMOi21nor,data=datSEMOretINSA SEMOi21norFIT
SEMOc11norFIT<-ugarchfit(spec=SEMOc11nor,data=datSEMOretINSA SEMOc11norFIT
SEMOc22norFIT<-ugarchfit(spec=SEMOc22nor,data=datSEMOretINSA SEMOc22norFIT
SEMOc12norFIT<-ugarchfit(spec=SEMOc12nor,data=datSEMOretINSA SEMOc12norFIT
SEMOc21norFIT<-ugarchfit(spec=SEMOc21nor,data=datSEMOretINSA SEMOc21norFIT

##Oil and Gas FIT
SEOGs11gedFIT<-ugarchfit(spec=SEOGs11ged,data=datSEOGretINSA SEOGs11gedFIT
SEOGs22gedFIT<-ugarchfit(spec=SEOGs22ged,data=datSEOGretINSA SEOGs22gedFIT
SEOGs12gedFIT<-ugarchfit(spec=SEOGs12ged,data=datSEOGretINSA SEOGs12gedFIT
SEOGs21gedFIT<-ugarchfit(spec=SEOGs21ged,data=datSEOGretINSA SEOGs21gedFIT
SEOGe11gedFIT<-ugarchfit(spec=SEOGe11eed,data=datSEOGretINSA SEOGe11gedFIT
SEOGe22gedFIT<-ugarchfit(spec=SEOGe22eed,data=datSEOGretINSA SEOGe22gedFIT
SEOGe12gedFIT<-ugarchfit(spec=SEOGe12eed,data=datSEOGretINSA SEOGe12gedFIT
SEOGe21gedFIT<-ugarchfit(spec=SEOGe21eed,data=datSEOGretINSA SEOGe21gedFIT
SEOGa11gedFIT<-ugarchfit(spec=SEOGa11eed,data=datSEOGretINSA SEOGa11gedFIT
SEOGa22gedFIT<-ugarchfit(spec=SEOGa22eed,data=datSEOGretINSA SEOGa22gedFIT
SEOGa12gedFIT<-ugarchfit(spec=SEOGa12eed,data=datSEOGretINSA SEOGa12gedFIT
SEOGa21gedFIT<-ugarchfit(spec=SEOGa21eed,data=datSEOGretINSA SEOGa21gedFIT
SEOGi11gedFIT<-ugarchfit(spec=SEOGi11ged,data=datSEOGretINSA SEOGi11gedFIT
SEOGi22gedFIT<-ugarchfit(spec=SEOGi22ged,data=datSEOGretINSA SEOGi22gedFIT
SEOGi12gedFIT<-ugarchfit(spec=SEOGi12ged,data=datSEOGretINSA SEOGi12gedFIT
SEOGi21gedFIT<-ugarchfit(spec=SEOGi21ged,data=datSEOGretINSA SEOGi21gedFIT
SEOGc11gedFIT<-ugarchfit(spec=SEOGc11eed,data=datSEOGretINSA SEOGc11gedFIT
SEOGc22gedFIT<-ugarchfit(spec=SEOGc22eed,data=datSEOGretINSA SEOGc22gedFIT
SEOGc12gedFIT<-ugarchfit(spec=SEOGc12eed,data=datSEOGretINSA SEOGc12gedFIT
SEOGc21gedFIT<-ugarchfit(spec=SEOGc21eed,data=datSEOGretINSA SEOGc21gedFIT

SEOGs11stdFIT<-ugarchfit(spec=SEOGs11std,data=datSEOGretINSA SEOGs11stdFIT
SEOGs22stdFIT<-ugarchfit(spec=SEOGs22std,data=datSEOGretINSA SEOGs22stdFIT
SEOGs12stdFIT<-ugarchfit(spec=SEOGs12std,data=datSEOGretINSA SEOGs12stdFIT
SEOGs21stdFIT<-ugarchfit(spec=SEOGs21std,data=datSEOGretINSA SEOGs21stdFIT
SEOGe11stdFIT<-ugarchfit(spec=SEOGe11std,data=datSEOGretINSA SEOGe11stdFIT
SEOGe22stdFIT<-ugarchfit(spec=SEOGe22std,data=datSEOGretINSA SEOGe22stdFIT
SEOGe12stdFIT<-ugarchfit(spec=SEOGe12std,data=datSEOGretINSA SEOGe12stdFIT
SEOGe21stdFIT<-ugarchfit(spec=SEOGe21std,data=datSEOGretINSA SEOGe21stdFIT
SEOGg11stdFIT<-ugarchfit(spec=SEOGg11std,data=datSEOGretINSA SEOGg11stdFIT
SEOGg22stdFIT<-ugarchfit(spec=SEOGg22std,data=datSEOGretINSA SEOGg22stdFIT
SEOGg12stdFIT<-ugarchfit(spec=SEOGg12std,data=datSEOGretINSA SEOGg12stdFIT
SEOGa21stdFIT<-ugarchfit(spec=SEOGa21std,data=datSEOGretINSA SEOGa21stdFIT
SEOGi11stdFIT<-ugarchfit(spec=SEOGi11std,data=datSEOGretINSA SEOGi11stdFIT
SEOGi22stdFIT<-ugarchfit(spec=SEOGi22std,data=datSEOGretINSA SEOGi22stdFIT
SEOGi12stdFIT<-ugarchfit(spec=SEOGi12std,data=datSEOGretINSA SEOGi12stdFIT
SEOGi21stdFIT<-ugarchfit(spec=SEOGi21std,data=datSEOGretINSA SEOGi21stdFIT
SEOGc11stdFIT<-ugarchfit(spec=SEOGc11std,data=datSEOGretINSA SEOGc11stdFIT
SEOGc22stdFIT<-ugarchfit(spec=SEOGc22std,data=datSEOGretINSA SEOGc22stdFIT
SEOGc12stdFIT<-ugarchfit(spec=SEOGc12std,data=datSEOGretINSA SEOGc12stdFIT
SEOGc21stdFIT<-ugarchfit(spec=SEOGc21std,data=datSEOGretINSA SEOGc21stdFIT

SEOGs11norFIT<-ugarchfit(spec=SEOGs11nor,data=datSEOGretINSA SEOGs11norFIT
SEOGs22norFIT<-ugarchfit(spec=SEOGs22nor,data=datSEOGretINSA SEOGs22norFIT
SEOGs12norFIT<-ugarchfit(spec=SEOGs12nor,data=datSEOGretINSA SEOGs12norFIT
SEOGs21norFIT<-ugarchfit(spec=SEOGs21nor,data=datSEOGretINSA SEOGs21norFIT
SEOGe11norFIT<-ugarchfit(spec=SEOGe11nor,data=datSEOGretINSA SEOGe11norFIT
SEOGe22norFIT<-ugarchfit(spec=SEOGe22nor,data=datSEOGretINSA SEOGe22norFIT
SEOGe12norFIT<-ugarchfit(spec=SEOGe12nor,data=datSEOGretINSA SEOGe12norFIT
SEOGe21norFIT<-ugarchfit(spec=SEOGe21nor,data=datSEOGretINSA SEOGe21norFIT
SEOGa11norFIT<-ugarchfit(spec=SEOGa11nor,data=datSEOGretINSA SEOGg11norFIT
SEOGe22norFIT<-ugarchfit(spec=SEOGe22nor,data=datSEOGretINSA SEOGg22norFIT
SEOGg12norFIT<-ugarchfit(spec=SEOGg12nor,data=datSEOGretINSA SEOGg12norFIT
SEOGg21norFIT<-ugarchfit(spec=SEOGg21nor,data=datSEOGretINSA SEOGg21norFIT
SEOGi11norFIT<-ugarchfit(spec=SEOGi11nor,data=datSEOGretINSA SEOGi11norFIT
SEOGi22norFIT<-ugarchfit(spec=SEOGi22nor,data=datSEOGretINSA SEOGi22norFIT
SEOGi12norFIT<-ugarchfit(spec=SEOGi12nor,data=datSEOGretINSA SEOGi12norFIT
SEOGi21norFIT<-ugarchfit(spec=SEOGi21nor,data=datSEOGretINSA SEOGi21norFIT
SEOGc11norFIT<-ugarchfit(spec=SEOGc11nor,data=datSEOGretINSA SEOGc11norFIT
SEOGc22norFIT<-ugarchfit(spec=SEOGc22nor,data=datSEOGretINSA SEOGc22norFIT
SEOGc12norFIT<-ugarchfit(spec=SEOGc12nor,data=datSEOGretINSA SEOGc12norFIT
SEOGc21norFIT<-ugarchfit(spec=SEOGc21nor,data=datSEOGretINSA SEOGc21norFIT

##Oil Equipment
SEOEs11gedFIT<-ugarchfit(spec=SEOEs11ged,data=datSEOEretINSA SEOEs11gedFIT
SEOEs22gedFIT<-ugarchfit(spec=SEOEs22ged,data=datSEOEretINSA SEOEs22gedFIT
SEOEs12gedFIT<-ugarchfit(spec=SEOEs12ged,data=datSEOEretINSA SEOEs12gedFIT
SEOEs21gedFIT<-ugarchfit(spec=SEOEs21ged,data=datSEOEretINSA SEOEs21gedFIT
SEOEe11gedFIT<-ugarchfit(spec=SEOEe11eed,data=datSEOEretINSA SEOEe11gedFIT
SEOEe22gedFIT<-ugarchfit(spec=SEOEe22eed,data=datSEOEretINSA SEOEe22gedFIT
SEOEe12gedFIT<-ugarchfit(spec=SEOEe12eed,data=datSEOEretINSA SEOEe12gedFIT
SEOEe21gedFIT<-ugarchfit(spec=SEOEe21eed,data=datSEOEretINSA SEOEe21gedFIT
SEOEa11gedFIT<-ugarchfit(spec=SEOEa11eed,data=datSEOEretINSA SEOEg11gedFIT
SEOEa22gedFIT<-ugarchfit(spec=SEOEa22eed,data=datSEOEretINSA SEOEg22gedFIT
SEOEa12gedFIT<-ugarchfit(spec=SEOEa12eed,data=datSEOEretINSA SEOEg12gedFIT
SEOEa21gedFIT<-ugarchfit(spec=SEOEa21eed,data=datSEOEretINSA SEOEg21gedFIT
SEOEi11gedFIT<-ugarchfit(spec=SEOEi11eed,data=datSEOEretINSA SEOEi11gedFIT
SEOEi22gedFIT<-ugarchfit(spec=SEOEi22eed,data=datSEOEretINSA SEOEi22gedFIT
SEOEi12gedFIT<-ugarchfit(spec=SEOEi12eed,data=datSEOEretINSA SEOEi12gedFIT
SEOEi21gedFIT<-ugarchfit(spec=SEOEi21eed,data=datSEOEretINSA SEOEi21gedFIT
SEOEc11gedFIT<-ugarchfit(spec=SEOEc11eed,data=datSEOEretINSA SEOEc11gedFIT
SEOEc22gedFIT<-ugarchfit(spec=SEOEc22eed,data=datSEOEretINSA SEOEc22gedFIT
SEOEc12gedFIT<-ugarchfit(spec=SEOEc12eed,data=datSEOEretINSA SEOEc12gedFIT
SEOEc21gedFIT<-ugarchfit(spec=SEOEc21eed,data=datSEOEretINSA SEOEc21gedFIT

SEOEs11stdFIT<-ugarchfit(spec=SEOEs11std,data=datSEOEretINSA SEOEs11stdFIT
SEOEs22stdFIT<-ugarchfit(spec=SEOEs22std,data=datSEOEretINSA SEOEs22stdFIT
SEOEs12stdFIT<-ugarchfit(spec=SEOEs12std,data=datSEOEretINSA SEOEs12stdFIT
SEOEs21stdFIT<-ugarchfit(spec=SEOEs21std,data=datSEOEretINSA SEOEs21stdFIT
SEOEe11stdFIT<-ugarchfit(spec=SEOEe11std,data=datSEOEretINSA SEOEe11stdFIT
SEOEe22stdFIT<-ugarchfit(spec=SEOEe22std,data=datSEOEretINSA SEOEe22stdFIT
SEOEe12stdFIT<-ugarchfit(spec=SEOEe12std,data=datSEOEretINSA SEOEe12stdFIT
SEOEe21stdFIT<-ugarchfit(spec=SEOEe21std,data=datSEOEretINSA SEOEe21stdFIT
SEOEg11stdFIT<-ugarchfit(spec=SEOEg11std,data=datSEOEretINSA SEOEg11stdFIT
SEOEg22stdFIT<-ugarchfit(spec=SEOEg22std,data=datSEOEretINSA SEOEg22stdFIT
SEOEg12stdFIT<-ugarchfit(spec=SEOEg12std,data=datSEOEretINSA SEOEg12stdFIT
SEOEg21stdFIT<-ugarchfit(spec=SEOEg21std,data=datSEOEretINSA SEOEg21stdFIT
SEOEi11stdFIT<-ugarchfit(spec=SEOEi11std,data=datSEOEretINSA SEOEi11stdFIT
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SEOEi21stdFIT<-ugarchfit(spec=SEOEi21std,data=datSEOEretINSA SEOEi21stdFIT
SEOEc11stdFIT<-ugarchfit(spec=SEOEc11std,data=datSEOEretINSA SEOEc11stdFIT
SEOEc22stdFIT<-ugarchfit(spec=SEOEc22std,data=datSEOEretINSA SEOEc22stdFIT
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SEOEc21stdFIT<-ugarchfit(spec=SEOEc21std,data=datSEOEretINSA SEOEc21stdFIT

SEOEs11norFIT<-ugarchfit(spec=SEOEs11nor,data=datSEOEretINSA SEOEs11norFIT
SEOEs22norFIT<-ugarchfit(spec=SEOEs22nor,data=datSEOEretINSA SEOEs22norFIT
SEOEs12norFIT<-ugarchfit(spec=SEOEs12nor,data=datSEOEretINSA SEOEs12norFIT
SEOEs21norFIT<-ugarchfit(spec=SEOEs21nor,data=datSEOEretINSA SEOEs21norFIT
SEOEe11norFIT<-ugarchfit(spec=SEOEe11nor,data=datSEOEretINSA SEOEe11norFIT
SEOEe22norFIT<-ugarchfit(spec=SEOEe22nor,data=datSEOEretINSA SEOEe22norFIT
SEOEe12norFIT<-ugarchfit(spec=SEOEe12nor,data=datSEOEretINSA SEOEe12norFIT
SEOEe21norFIT<-ugarchfit(spec=SEOEe21nor,data=datSEOEretINSA SEOEe21norFIT
SEOEa11norFIT<-ugarchfit(spec=SEOEa11nor,data=datSEOEretINSA SEOEg11norFIT
SEOEe22norFIT<-ugarchfit(spec=SEOEe22nor,data=datSEOEretINSA SEOEg22norFIT
SEOEe12norFIT<-ugarchfit(spec=SEOEe12nor,data=datSEOEretINSA SEOEg12norFIT
SEOEg21norFIT<-ugarchfit(spec=SEOEg21nor,data=datSEOEretINSA SEOEg21norFIT
SEOEi11norFIT<-ugarchfit(spec=SEOEi11nor,data=datSEOEretINSA SEOEi11norFIT
SEOEi22norFIT<-ugarchfit(spec=SEOEi22nor,data=datSEOEretINSA SEOEi22norFIT
SEOEi12norFIT<-ugarchfit(spec=SEOEi12nor,data=datSEOEretINSA SEOEi12norFIT
```

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SEOEi21norFIT<-ugarchfit(spec=SEOEi21nor,data=datSEOEretINSA SEOEi21norFIT
SEOEc11norFIT<-ugarchfit(spec=SEOEc11nor,data=datSEOEretINSA SEOEc11norFIT
SEOEc22norFIT<-ugarchfit(spec=SEOEc22nor,data=datSEOEretINSA SEOEc22norFIT
SEOEc12norFIT<-ugarchfit(spec=SEOEc12nor,data=datSEOEretINSA SEOEc12norFIT
SEOEc21norFIT<-ugarchfit(spec=SEOEc21nor,data=datSEOEretINSA SEOEc21norFIT

##AirlinesFIT
SEAIs11gedFIT<-ugarchfit(spec=SEAIs11ged,data=datSEAIretINSA SEAIs11gedFIT
SEAIs22gedFIT<-ugarchfit(spec=SEAIs22ged,data=datSEAIretINSA SEAIs22gedFIT
SEAIs12gedFIT<-ugarchfit(spec=SEAIs12ged,data=datSEAIretINSA SEAIs12gedFIT
SEAIs21gedFIT<-ugarchfit(spec=SEAIs21ged,data=datSEAIretINSA SEAIs21gedFIT
SEAIe11gedFIT<-ugarchfit(spec=SEAIe11ged,data=datSEAIretINSA SEAIe11gedFIT
SEAIe22gedFIT<-ugarchfit(spec=SEAIe22ged,data=datSEAIretINSA SEAIe22gedFIT
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SEAIc22gedFIT<-ugarchfit(spec=SEAIc22ged,data=datSEAIretINSA SEAIc22gedFIT
SEAIc12gedFIT<-ugarchfit(spec=SEAIc12ged,data=datSEAIretINSA SEAIc12gedFIT
SEAIc21gedFIT<-ugarchfit(spec=SEAIc21ged,data=datSEAIretINSA SEAIc21gedFIT

SEAIs11stdFIT<-ugarchfit(spec=SEAIs11std,data=datSEAIretINSA SEAIs11stdFIT
SEAIs22stdFIT<-ugarchfit(spec=SEAIs22std,data=datSEAIretINSA SEAIs22stdFIT
SEAIs12stdFIT<-ugarchfit(spec=SEAIs12std,data=datSEAIretINSA SEAIs12stdFIT
SEAIs21stdFIT<-ugarchfit(spec=SEAIs21std,data=datSEAIretINSA SEAIs21stdFIT
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SEAIc21stdFIT<-ugarchfit(spec=SEAIc21std,data=datSEAIretINSA SEAIc21stdFIT

SEAIs11norFIT<-ugarchfit(spec=SEAIs11nor,data=datSEAIretINSA SEAIs11norFIT
SEAIs22norFIT<-ugarchfit(spec=SEAIs22nor,data=datSEAIretINSA SEAIs22norFIT
SEAIs12norFIT<-ugarchfit(spec=SEAIs12nor,data=datSEAIretINSA SEAIs12norFIT
SEAIs21norFIT<-ugarchfit(spec=SEAIs21nor,data=datSEAIretINSA SEAIs21norFIT
SEAIe11norFIT<-ugarchfit(spec=SEAIe11nor,data=datSEAIretINSA SEAIe11norFIT
SEAIe22norFIT<-ugarchfit(spec=SEAIe22nor,data=datSEAIretINSA SEAIe22norFIT
SEAIe12norFIT<-ugarchfit(spec=SEAIe12nor,data=datSEAIretINSA SEAIe12norFIT
SEAIe21norFIT<-ugarchfit(spec=SEAIe21nor,data=datSEAIretINSA SEAIe21norFIT
SEAIg11norFIT<-ugarchfit(spec=SEAIg11nor,data=datSEAIretINSA SEAIg11norFIT
SEAIg22norFIT<-ugarchfit(spec=SEAIg22nor,data=datSEAIretINSA SEAIg22norFIT
SEAIg12norFIT<-ugarchfit(spec=SEAIg12nor,data=datSEAIretINSA SEAIg12norFIT
SEAIg21norFIT<-ugarchfit(spec=SEAIg21nor,data=datSEAIretINSA SEAIg21norFIT
SEAIi11norFIT<-ugarchfit(spec=SEAIi11nor,data=datSEAIretINSA SEAIi11norFIT
SEAIi22norFIT<-ugarchfit(spec=SEAIi22nor,data=datSEAIretINSA SEAIi22norFIT
SEAIi12norFIT<-ugarchfit(spec=SEAIi12nor,data=datSEAIretINSA SEAIi12norFIT
SEAIi21norFIT<-ugarchfit(spec=SEAIi21nor,data=datSEAIretINSA SEAIi21norFIT
SEAIc11norFIT<-ugarchfit(spec=SEAIc11nor,data=datSEAIretINSA SEAIc11norFIT
SEAIc22norFIT<-ugarchfit(spec=SEAIc22nor,data=datSEAIretINSA SEAIc22norFIT
SEAIc12norFIT<-ugarchfit(spec=SEAIc12nor,data=datSEAIretINSA SEAIc12norFIT
SEAIc21norFIT<-ugarchfit(spec=SEAIc21nor,data=datSEAIretINSA SEAIc21norFIT

##Real Estate Ivestment and ServciesFIT
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SEISs22gedFIT<-ugarchfit(spec=SEISs22ged,data=datSEISretINSA SEISs22gedFIT
SEISs12gedFIT<-ugarchfit(spec=SEISs12ged,data=datSEISretINSA SEISs12gedFIT
SEISs21gedFIT<-ugarchfit(spec=SEISs21ged,data=datSEISretINSA SEISs21gedFIT
SEISe11gedFIT<-ugarchfit(spec=SEISe11ged,data=datSEISretINSA SEISe11gedFIT
SEISe22gedFIT<-ugarchfit(spec=SEISe22ged,data=datSEISretINSA SEISe22gedFIT
SEISe12gedFIT<-ugarchfit(spec=SEISe12ged,data=datSEISretINSA SEISe12gedFIT
SEISe21gedFIT<-ugarchfit(spec=SEISe21ged,data=datSEISretINSA SEISe21gedFIT
SEISg11gedFIT<-ugarchfit(spec=SEISg11ged,data=datSEISretINSA SEISg11gedFIT
SEISe22gedFIT<-ugarchfit(spec=SEISe22ged,data=datSEISretINSA SEISg22gedFIT
SEISe12gedFIT<-ugarchfit(spec=SEISe12ged,data=datSEISretINSA SEISg12gedFIT
SEISe21gedFIT<-ugarchfit(spec=SEISe21ged,data=datSEISretINSA SEISg21gedFIT
SEISi11gedFIT<-ugarchfit(spec=SEISi11ged,data=datSEISretINSA SEISi11gedFIT
SEISi22gedFIT<-ugarchfit(spec=SEISi22ged,data=datSEISretINSA SEISi22gedFIT
SEISi12gedFIT<-ugarchfit(spec=SEISi12ged,data=datSEISretINSA SEISi12gedFIT
SEISi21gedFIT<-ugarchfit(spec=SEISi21ged,data=datSEISretINSA SEISi21gedFIT
SEISc11gedFIT<-ugarchfit(spec=SEISc11ged,data=datSEISretINSA SEISc11gedFIT
SEISc22gedFIT<-ugarchfit(spec=SEISc22ged,data=datSEISretINSA SEISc22gedFIT
SEISc12gedFIT<-ugarchfit(spec=SEISc12ged,data=datSEISretINSA SEISc12gedFIT
SEISc21gedFIT<-ugarchfit(spec=SEISc21ged,data=datSEISretINSA SEISc21gedFIT

SEISs11stdFIT<-ugarchfit(spec=SEISs11std,data=datSEISretINSA SEISs11stdFIT
SEISs22stdFIT<-ugarchfit(spec=SEISs22std,data=datSEISretINSA SEISs22stdFIT
SEISs12stdFIT<-ugarchfit(spec=SEISs12std,data=datSEISretINSA SEISs12stdFIT
SEISs21stdFIT<-ugarchfit(spec=SEISs21std,data=datSEISretINSA SEISs21stdFIT
SEISe11stdFIT<-ugarchfit(spec=SEISe11std,data=datSEISretINSA SEISe11stdFIT
SEISe22stdFIT<-ugarchfit(spec=SEISe22std,data=datSEISretINSA SEISe22stdFIT
SEISe12stdFIT<-ugarchfit(spec=SEISe12std,data=datSEISretINSA SEISe12stdFIT
SEISe21stdFIT<-ugarchfit(spec=SEISe21std,data=datSEISretINSA SEISe21stdFIT
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SEISg22stdFIT<-ugarchfit(spec=SEISg22std,data=datSEISretINSA SEISg22stdFIT
SEISg12stdFIT<-ugarchfit(spec=SEISg12std,data=datSEISretINSA SEISg12stdFIT
SEISg21stdFIT<-ugarchfit(spec=SEISg21std,data=datSEISretINSA SEISg21stdFIT
SEISi11stdFIT<-ugarchfit(spec=SEISi11std,data=datSEISretINSA SEISi11stdFIT
SEISi22stdFIT<-ugarchfit(spec=SEISi22std,data=datSEISretINSA SEISi22stdFIT
SEISi12stdFIT<-ugarchfit(spec=SEISi12std,data=datSEISretINSA SEISi12stdFIT
SEISi21stdFIT<-ugarchfit(spec=SEISi21std,data=datSEISretINSA SEISi21stdFIT
SEISc11stdFIT<-ugarchfit(spec=SEISc11std,data=datSEISretINSA SEISc11stdFIT
SEISc22stdFIT<-ugarchfit(spec=SEISc22std,data=datSEISretINSA SEISc22stdFIT
SEISc12stdFIT<-ugarchfit(spec=SEISc12std,data=datSEISretINSA SEISc12stdFIT
SEISc21stdFIT<-ugarchfit(spec=SEISc21std,data=datSEISretINSA SEISc21stdFIT

SEISs11norFIT<-ugarchfit(spec=SEISs11nor,data=datSEISretINSA SEISs11norFIT
SEISs22norFIT<-ugarchfit(spec=SEISs22nor,data=datSEISretINSA SEISs22norFIT
SEISs12norFIT<-ugarchfit(spec=SEISs12nor,data=datSEISretINSA SEISs12norFIT
SEISs21norFIT<-ugarchfit(spec=SEISs21nor,data=datSEISretINSA SEISs21norFIT
SEISe11norFIT<-ugarchfit(spec=SEISe11nor,data=datSEISretINSA SEISe11norFIT
SEISe22norFIT<-ugarchfit(spec=SEISe22nor,data=datSEISretINSA SEISe22norFIT
SEISe12norFIT<-ugarchfit(spec=SEISe12nor,data=datSEISretINSA SEISe12norFIT
SEISe21norFIT<-ugarchfit(spec=SEISe21nor,data=datSEISretINSA SEISe21norFIT
SEISe11norFIT<-ugarchfit(spec=SEISe11nor,data=datSEISretINSA SEISg11norFIT
SEISe22norFIT<-ugarchfit(spec=SEISe22nor,data=datSEISretINSA SEISg22norFIT
SEISe12norFIT<-ugarchfit(spec=SEISe12nor,data=datSEISretINSA SEISg12norFIT
SEISe21norFIT<-ugarchfit(spec=SEISe21nor,data=datSEISretINSA SEISg21norFIT
SEISi11norFIT<-ugarchfit(spec=SEISi11nor,data=datSEISretINSA SEISi11norFIT
SEISi22norFIT<-ugarchfit(spec=SEISi22nor,data=datSEISretINSA SEISi22norFIT
SEISi12norFIT<-ugarchfit(spec=SEISi12nor,data=datSEISretINSA SEISi12norFIT
SEISi21norFIT<-ugarchfit(spec=SEISi21nor,data=datSEISretINSA SEISi21norFIT
SEISc11norFIT<-ugarchfit(spec=SEISc11nor,data=datSEISretINSA SEISc11norFIT
SEISc22norFIT<-ugarchfit(spec=SEISc22nor,data=datSEISretINSA SEISc22norFIT
SEISc12norFIT<-ugarchfit(spec=SEISc12nor,data=datSEISretINSA SEISc12norFIT
SEISc21norFIT<-ugarchfit(spec=SEISc21nor,data=datSEISretINSA SEISc21norFIT

##REITSFIT
SEREs11gedFIT<-ugarchfit(spec=SEREs11ged,data=datSERetINSA SEREs11gedFIT
SEREs22gedFIT<-ugarchfit(spec=SEREs22ged,data=datSERetINSA SEREs22gedFIT
SEREs12gedFIT<-ugarchfit(spec=SEREs12ged,data=datSERetINSA SEREs12gedFIT
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SEREe11gedFIT<-ugarchfit(spec=SEREe11ged,data=datSERetINSA SEREe11gedFIT
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SEREi22gedFIT<-ugarchfit(spec=SEREi22ged,data=datSERetINSA SEREi22gedFIT
SEREi12gedFIT<-ugarchfit(spec=SEREi12ged,data=datSERetINSA SEREi12gedFIT
SEREi21gedFIT<-ugarchfit(spec=SEREi21ged,data=datSERetINSA SEREi21gedFIT
SEREc11gedFIT<-ugarchfit(spec=SEREc11ged,data=datSERetINSA SEREc11gedFIT
SEREc22gedFIT<-ugarchfit(spec=SEREc22ged,data=datSERetINSA SEREc22gedFIT
SEREc12gedFIT<-ugarchfit(spec=SEREc12ged,data=datSERetINSA SEREc12gedFIT
SEREc21gedFIT<-ugarchfit(spec=SEREc21ged,data=datSERetINSA SEREc21gedFIT

SEREs11stdFIT<-ugarchfit(spec=SEREs11std,data=datSERetINSA SEREs11stdFIT
SEREs22stdFIT<-ugarchfit(spec=SEREs22std,data=datSERetINSA SEREs22stdFIT
SEREs12stdFIT<-ugarchfit(spec=SEREs12std,data=datSERetINSA SEREs12stdFIT
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SEREe11stdFIT<-ugarchfit(spec=SEREe11std,data=datSERetINSA SEREe11stdFIT
SEREe22stdFIT<-ugarchfit(spec=SEREe22std,data=datSERetINSA SEREe22stdFIT
SEREe12stdFIT<-ugarchfit(spec=SEREe12std,data=datSERetINSA SEREe12stdFIT
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SEREi12stdFIT<-ugarchfit(spec=SEREi12std,data=datSERetINSA SEREi12stdFIT
SEREi21stdFIT<-ugarchfit(spec=SEREi21std,data=datSERetINSA SEREi21stdFIT
SEREc11stdFIT<-ugarchfit(spec=SEREc11std,data=datSERetINSA SEREc11stdFIT
SEREc22stdFIT<-ugarchfit(spec=SEREc22std,data=datSERetINSA SEREc22stdFIT
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SEREc21stdFIT<-ugarchfit(spec=SEREc21std,data=datSERetINSA SEREc21stdFIT

SEREs11norFIT<-ugarchfit(spec=SEREs11nor,data=datSERetINSA SEREs11norFIT
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SEREs12norFIT<-ugarchfit(spec=SEREs12nor,data=datSERetINSA SEREs12norFIT
SEREs21norFIT<-ugarchfit(spec=SEREs21nor,data=datSERetINSA SEREs21norFIT
SEREe11norFIT<-ugarchfit(spec=SEREe11nor,data=datSERetINSA SEREe11norFIT
SEREe22norFIT<-ugarchfit(spec=SEREe22nor,data=datSERetINSA SEREe22norFIT
SEREe12norFIT<-ugarchfit(spec=SEREe12nor,data=datSERetINSA SEREe12norFIT
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SEREe11norFIT<-ugarchfit(spec=SEREe11nor,data=datSERetINSA SEREg11norFIT
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SEREe12norFIT<-ugarchfit(spec=SEREe12nor,data=datSERetINSA SEREg12norFIT
SEREe21norFIT<-ugarchfit(spec=SEREe21nor,data=datSERetINSA SEREg21norFIT
SEREi11norFIT<-ugarchfit(spec=SEREi11nor,data=datSERetINSA SEREi11norFIT
SEREi22norFIT<-ugarchfit(spec=SEREi22nor,data=datSERetINSA SEREi22norFIT
SEREi12norFIT<-ugarchfit(spec=SEREi12nor,data=datSERetINSA SEREi12norFIT
SEREi21norFIT<-ugarchfit(spec=SEREi21nor,data=datSERetINSA SEREi21norFIT
SEREc11norFIT<-ugarchfit(spec=SEREc11nor,data=datSERetINSA SEREc11norFIT
SEREc22norFIT<-ugarchfit(spec=SEREc22nor,data=datSERetINSA SEREc22norFIT
```

```
SEREc12norFIT<-ugarchfit(spec=SEREc12nor,data=datSERERetINSA SEREc12norFIT
SEREc21norFIT<-ugarchfit(spec=SEREc21nor,data=datSERERetINSA SEREc21norFIT

##Alternative Energy FIT
SEAEs11gedFIT<-ugarchfit(spec=SEAEs11ged,data=datSEAEretINSA SEAEs11gedFIT
SEAEs22gedFIT<-ugarchfit(spec=SEAEs22ged,data=datSEAEretINSA SEAEs22gedFIT
SEAEs12gedFIT<-ugarchfit(spec=SEAEs12ged,data=datSEAEretINSA SEAEs12gedFIT
SEAEs21gedFIT<-ugarchfit(spec=SEAEs21ged,data=datSEAEretINSA SEAEs21gedFIT
SEAEe11gedFIT<-ugarchfit(spec=SEAEe11ged,data=datSEAEretINSA SEAEe11gedFIT
SEAEe22gedFIT<-ugarchfit(spec=SEAEe22ged,data=datSEAEretINSA SEAEe22gedFIT
SEAEe12gedFIT<-ugarchfit(spec=SEAEe12ged,data=datSEAEretINSA SEAEe12gedFIT
SEAEe21gedFIT<-ugarchfit(spec=SEAEe21ged,data=datSEAEretINSA SEAEe21gedFIT
SEAEg11gedFIT<-ugarchfit(spec=SEAEg11ged,data=datSEAEretINSA SEAEg11gedFIT
SEAEg22gedFIT<-ugarchfit(spec=SEAEg22ged,data=datSEAEretINSA SEAEg22gedFIT
SEAEe12gedFIT<-ugarchfit(spec=SEAEe12ged,data=datSEAEretINSA SEAEg12gedFIT
SEAEe21gedFIT<-ugarchfit(spec=SEAEe21ged,data=datSEAEretINSA SEAEg21gedFIT
SEAEi11gedFIT<-ugarchfit(spec=SEAEi11ged,data=datSEAEretINSA SEAEi11gedFIT
SEAEi22gedFIT<-ugarchfit(spec=SEAEi22ged,data=datSEAEretINSA SEAEi22gedFIT
SEAEi12gedFIT<-ugarchfit(spec=SEAEi12ged,data=datSEAEretINSA SEAEi12gedFIT
SEAEi21gedFIT<-ugarchfit(spec=SEAEi21ged,data=datSEAEretINSA SEAEi21gedFIT
SEAEc11gedFIT<-ugarchfit(spec=SEAEc11ged,data=datSEAEretINSA SEAEc11gedFIT
SEAEc22gedFIT<-ugarchfit(spec=SEAEc22ged,data=datSEAEretINSA SEAEc22gedFIT
SEAEc12gedFIT<-ugarchfit(spec=SEAEc12ged,data=datSEAEretINSA SEAEc12gedFIT
SEAEc21gedFIT<-ugarchfit(spec=SEAEc21ged,data=datSEAEretINSA SEAEc21gedFIT

SEAEs11stdFIT<-ugarchfit(spec=SEAEs11std,data=datSEAEretINSA SEAEs11stdFIT
SEAEs22stdFIT<-ugarchfit(spec=SEAEs22std,data=datSEAEretINSA SEAEs22stdFIT
SEAEs12stdFIT<-ugarchfit(spec=SEAEs12std,data=datSEAEretINSA SEAEs12stdFIT
SEAEs21stdFIT<-ugarchfit(spec=SEAEs21std,data=datSEAEretINSA SEAEs21stdFIT
SEAEe11stdFIT<-ugarchfit(spec=SEAEe11std,data=datSEAEretINSA SEAEe11stdFIT
SEAEe22stdFIT<-ugarchfit(spec=SEAEe22std,data=datSEAEretINSA SEAEe22stdFIT
SEAEe12stdFIT<-ugarchfit(spec=SEAEe12std,data=datSEAEretINSA SEAEe12stdFIT
SEAEe21stdFIT<-ugarchfit(spec=SEAEe21std,data=datSEAEretINSA SEAEe21stdFIT
SEAEg11stdFIT<-ugarchfit(spec=SEAEg11std,data=datSEAEretINSA SEAEg11stdFIT
SEAEg22stdFIT<-ugarchfit(spec=SEAEg22std,data=datSEAEretINSA SEAEg22stdFIT
SEAEg12stdFIT<-ugarchfit(spec=SEAEg12std,data=datSEAEretINSA SEAEg12stdFIT
SEAEg21stdFIT<-ugarchfit(spec=SEAEg21std,data=datSEAEretINSA SEAEg21stdFIT
SEAEi11stdFIT<-ugarchfit(spec=SEAEi11std,data=datSEAEretINSA SEAEi11stdFIT
SEAEi22stdFIT<-ugarchfit(spec=SEAEi22std,data=datSEAEretINSA SEAEi22stdFIT
SEAEi12stdFIT<-ugarchfit(spec=SEAEi12std,data=datSEAEretINSA SEAEi12stdFIT
SEAEi21stdFIT<-ugarchfit(spec=SEAEi21std,data=datSEAEretINSA SEAEi21stdFIT
SEAEc11stdFIT<-ugarchfit(spec=SEAEc11std,data=datSEAEretINSA SEAEc11stdFIT
SEAEc22stdFIT<-ugarchfit(spec=SEAEc22std,data=datSEAEretINSA SEAEc22stdFIT
SEAEc12stdFIT<-ugarchfit(spec=SEAEc12std,data=datSEAEretINSA SEAEc12stdFIT
SEAEc21stdFIT<-ugarchfit(spec=SEAEc21std,data=datSEAEretINSA SEAEc21stdFIT

SEAEs11norFIT<-ugarchfit(spec=SEAEs11nor,data=datSEAEretINSA SEAEs11norFIT
SEAEs22norFIT<-ugarchfit(spec=SEAEs22nor,data=datSEAEretINSA SEAEs22norFIT
SEAEs12norFIT<-ugarchfit(spec=SEAEs12nor,data=datSEAEretINSA SEAEs12norFIT
SEAEs21norFIT<-ugarchfit(spec=SEAEs21nor,data=datSEAEretINSA SEAEs21norFIT
SEAEe11norFIT<-ugarchfit(spec=SEAEe11nor,data=datSEAEretINSA SEAEe11norFIT
SEAEe22norFIT<-ugarchfit(spec=SEAEe22nor,data=datSEAEretINSA SEAEe22norFIT
SEAEe12norFIT<-ugarchfit(spec=SEAEe12nor,data=datSEAEretINSA SEAEe12norFIT
SEAEe21norFIT<-ugarchfit(spec=SEAEe21nor,data=datSEAEretINSA SEAEe21norFIT
SEAEg11norFIT<-ugarchfit(spec=SEAEg11nor,data=datSEAEretINSA SEAEg11norFIT
SEAEg22norFIT<-ugarchfit(spec=SEAEg22nor,data=datSEAEretINSA SEAEg22norFIT
SEAEe12norFIT<-ugarchfit(spec=SEAEe12nor,data=datSEAEretINSA SEAEg12norFIT
SEAEe21norFIT<-ugarchfit(spec=SEAEe21nor,data=datSEAEretINSA SEAEg21norFIT
SEAEi11norFIT<-ugarchfit(spec=SEAEi11nor,data=datSEAEretINSA SEAEi11norFIT
SEAEi22norFIT<-ugarchfit(spec=SEAEi22nor,data=datSEAEretINSA SEAEi22norFIT
SEAEi12norFIT<-ugarchfit(spec=SEAEi12nor,data=datSEAEretINSA SEAEi12norFIT
SEAEi21norFIT<-ugarchfit(spec=SEAEi21nor,data=datSEAEretINSA SEAEi21norFIT
SEAEc11norFIT<-ugarchfit(spec=SEAEc11nor,data=datSEAEretINSA SEAEc11norFIT
SEAEc22norFIT<-ugarchfit(spec=SEAEc22nor,data=datSEAEretINSA SEAEc22norFIT
SEAEc12norFIT<-ugarchfit(spec=SEAEc12nor,data=datSEAEretINSA SEAEc12norFIT
SEAEc21norFIT<-ugarchfit(spec=SEAEc21nor,data=datSEAEretINSA SEAEc21norFIT

##SoftwareFIT
SESOs11gedFIT<-ugarchfit(spec=SESOs11ged,data=datSESOretINSA SESOs11gedFIT
SESOs22gedFIT<-ugarchfit(spec=SESOs22ged,data=datSESOretINSA SESOs22gedFIT
SESOs12gedFIT<-ugarchfit(spec=SESOs12ged,data=datSESOretINSA SESOs12gedFIT
SESOs21gedFIT<-ugarchfit(spec=SESOs21ged,data=datSESOretINSA SESOs21gedFIT
SESOe11gedFIT<-ugarchfit(spec=SESOe11ged,data=datSESOretINSA SESOe11gedFIT
SESOe22gedFIT<-ugarchfit(spec=SESOe22ged,data=datSESOretINSA SESOe22gedFIT
SESOe12gedFIT<-ugarchfit(spec=SESOe12ged,data=datSESOretINSA SESOe12gedFIT
SESOe21gedFIT<-ugarchfit(spec=SESOe21ged,data=datSESOretINSA SESOe21gedFIT
SESOg11gedFIT<-ugarchfit(spec=SESOg11ged,data=datSESOretINSA SESOg11gedFIT
SESOg22gedFIT<-ugarchfit(spec=SESOg22ged,data=datSESOretINSA SESOg22gedFIT
SESOg12gedFIT<-ugarchfit(spec=SESOg12ged,data=datSESOretINSA SESOg12gedFIT
SESOg21gedFIT<-ugarchfit(spec=SESOg21ged,data=datSESOretINSA SESOg21gedFIT
SESOi11gedFIT<-ugarchfit(spec=SESOi11ged,data=datSESOretINSA SESOi11gedFIT
SESOi22gedFIT<-ugarchfit(spec=SESOi22ged,data=datSESOretINSA SESOi22gedFIT
SESOi12gedFIT<-ugarchfit(spec=SESOi12ged,data=datSESOretINSA SESOi12gedFIT
SESOi21gedFIT<-ugarchfit(spec=SESOi21ged,data=datSESOretINSA SESOi21gedFIT
SESOc11gedFIT<-ugarchfit(spec=SESOc11ged,data=datSESOretINSA SESOc11gedFIT
SESOc22gedFIT<-ugarchfit(spec=SESOc22ged,data=datSESOretINSA SESOc22gedFIT
SESOc12gedFIT<-ugarchfit(spec=SESOc12ged,data=datSESOretINSA SESOc12gedFIT
SESOc21gedFIT<-ugarchfit(spec=SESOc21ged,data=datSESOretINSA SESOc21gedFIT

SESOs11stdFIT<-ugarchfit(spec=SESOs11std,data=datSESOretINSA SESOs11stdFIT
SESOs22stdFIT<-ugarchfit(spec=SESOs22std,data=datSESOretINSA SESOs22stdFIT
SESOs12stdFIT<-ugarchfit(spec=SESOs12std,data=datSESOretINSA SESOs12stdFIT
SESOs21stdFIT<-ugarchfit(spec=SESOs21std,data=datSESOretINSA SESOs21stdFIT
SESOe11stdFIT<-ugarchfit(spec=SESOe11std,data=datSESOretINSA SESOe11stdFIT
SESOe22stdFIT<-ugarchfit(spec=SESOe22std,data=datSESOretINSA SESOe22stdFIT
SESOe12stdFIT<-ugarchfit(spec=SESOe12std,data=datSESOretINSA SESOe12stdFIT
SESOe21stdFIT<-ugarchfit(spec=SESOe21std,data=datSESOretINSA SESOe21stdFIT
SESOg11stdFIT<-ugarchfit(spec=SESOg11std,data=datSESOretINSA SESOg11stdFIT
SESOg22stdFIT<-ugarchfit(spec=SESOg22std,data=datSESOretINSA SESOg22stdFIT
SESOg12stdFIT<-ugarchfit(spec=SESOg12std,data=datSESOretINSA SESOg12stdFIT
SESOg21stdFIT<-ugarchfit(spec=SESOg21std,data=datSESOretINSA SESOg21stdFIT
SESOi11stdFIT<-ugarchfit(spec=SESOi11std,data=datSESOretINSA SESOi11stdFIT
SESOi22stdFIT<-ugarchfit(spec=SESOi22std,data=datSESOretINSA SESOi22stdFIT
SESOi12stdFIT<-ugarchfit(spec=SESOi12std,data=datSESOretINSA SESOi12stdFIT
SESOi21stdFIT<-ugarchfit(spec=SESOi21std,data=datSESOretINSA SESOi21stdFIT
SESOc11stdFIT<-ugarchfit(spec=SESOc11std,data=datSESOretINSA SESOc11stdFIT
SESOc22stdFIT<-ugarchfit(spec=SESOc22std,data=datSESOretINSA SESOc22stdFIT
SESOc12stdFIT<-ugarchfit(spec=SESOc12std,data=datSESOretINSA SESOc12stdFIT
SESOc21stdFIT<-ugarchfit(spec=SESOc21std,data=datSESOretINSA SESOc21stdFIT

SESOs11norFIT<-ugarchfit(spec=SESOs11nor,data=datSESOretINSA SESOs11norFIT
SESOs22norFIT<-ugarchfit(spec=SESOs22nor,data=datSESOretINSA SESOs22norFIT
SESOs12norFIT<-ugarchfit(spec=SESOs12nor,data=datSESOretINSA SESOs12norFIT
SESOs21norFIT<-ugarchfit(spec=SESOs21nor,data=datSESOretINSA SESOs21norFIT
SESOe11norFIT<-ugarchfit(spec=SESOe11nor,data=datSESOretINSA SESOe11norFIT
SESOe22norFIT<-ugarchfit(spec=SESOe22nor,data=datSESOretINSA SESOe22norFIT
SESOe12norFIT<-ugarchfit(spec=SESOe12nor,data=datSESOretINSA SESOe12norFIT
SESOe21norFIT<-ugarchfit(spec=SESOe21nor,data=datSESOretINSA SESOe21norFIT
SESOg11norFIT<-ugarchfit(spec=SESOg11nor,data=datSESOretINSA SESOg11norFIT
SESOe22norFIT<-ugarchfit(spec=SESOe22nor,data=datSESOretINSA SESOg22norFIT
SESOe12norFIT<-ugarchfit(spec=SESOe12nor,data=datSESOretINSA SESOg12norFIT
SESOe21norFIT<-ugarchfit(spec=SESOe21nor,data=datSESOretINSA SESOg21norFIT
SESOi11norFIT<-ugarchfit(spec=SESOi11nor,data=datSESOretINSA SESOi11norFIT
SESOi22norFIT<-ugarchfit(spec=SESOi22nor,data=datSESOretINSA SESOi22norFIT
SESOi12norFIT<-ugarchfit(spec=SESOi12nor,data=datSESOretINSA SESOi12norFIT
SESOi21norFIT<-ugarchfit(spec=SESOi21nor,data=datSESOretINSA SESOi21norFIT
SESOc11norFIT<-ugarchfit(spec=SESOc11nor,data=datSESOretINSA SESOc11norFIT
SESOc22norFIT<-ugarchfit(spec=SESOc22nor,data=datSESOretINSA SESOc22norFIT
SESOc12norFIT<-ugarchfit(spec=SESOc12nor,data=datSESOretINSA SESOc12norFIT
SESOc21norFIT<-ugarchfit(spec=SESOc21nor,data=datSESOretINSA SESOc21norFIT

##TechnicalFIT
SETEs11gedFIT<-ugarchfit(spec=SETEs11ged,data=datSETEretINSA SETEs11gedFIT
SETEs22gedFIT<-ugarchfit(spec=SETEs22ged,data=datSETEretINSA SETEs22gedFIT
SETEs12gedFIT<-ugarchfit(spec=SETEs12ged,data=datSETEretINSA SETEs12gedFIT
SETEs21gedFIT<-ugarchfit(spec=SETEs21ged,data=datSETEretINSA SETEs21gedFIT
SETEe11gedFIT<-ugarchfit(spec=SETEe11ged,data=datSETEretINSA SETEe11gedFIT
SETEe22gedFIT<-ugarchfit(spec=SETEe22ged,data=datSETEretINSA SETEe22gedFIT
SETEe12gedFIT<-ugarchfit(spec=SETEe12ged,data=datSETEretINSA SETEe12gedFIT
SETEe21gedFIT<-ugarchfit(spec=SETEe21ged,data=datSETEretINSA SETEe21gedFIT
SETEg11gedFIT<-ugarchfit(spec=SETEg11ged,data=datSETEretINSA SETEg11gedFIT
SETEg22gedFIT<-ugarchfit(spec=SETEg22ged,data=datSETEretINSA SETEg22gedFIT
SETEg12gedFIT<-ugarchfit(spec=SETEg12ged,data=datSETEretINSA SETEg12gedFIT
SETEg21gedFIT<-ugarchfit(spec=SETEg21ged,data=datSETEretINSA SETEg21gedFIT
SETEi11gedFIT<-ugarchfit(spec=SETEi11ged,data=datSETEretINSA SETEi11gedFIT
SETEi22gedFIT<-ugarchfit(spec=SETEi22ged,data=datSETEretINSA SETEi22gedFIT
SETEi12gedFIT<-ugarchfit(spec=SETEi12ged,data=datSETEretINSA SETEi12gedFIT
SETEi21gedFIT<-ugarchfit(spec=SETEi21ged,data=datSETEretINSA SETEi21gedFIT
SETEc11gedFIT<-ugarchfit(spec=SETEc11ged,data=datSETEretINSA SETEc11gedFIT
SETEc22gedFIT<-ugarchfit(spec=SETEc22ged,data=datSETEretINSA SETEc22gedFIT
SETEc12gedFIT<-ugarchfit(spec=SETEc12ged,data=datSETEretINSA SETEc12gedFIT
SETEc21gedFIT<-ugarchfit(spec=SETEc21ged,data=datSETEretINSA SETEc21gedFIT

SETEs11stdFIT<-ugarchfit(spec=SETEs11std,data=datSETEretINSA SETEs11stdFIT
SETEs22stdFIT<-ugarchfit(spec=SETEs22std,data=datSETEretINSA SETEs22stdFIT
SETEs12stdFIT<-ugarchfit(spec=SETEs12std,data=datSETEretINSA SETEs12stdFIT
SETEs21stdFIT<-ugarchfit(spec=SETEs21std,data=datSETEretINSA SETEs21stdFIT
SETEe11stdFIT<-ugarchfit(spec=SETEe11std,data=datSETEretINSA SETEe11stdFIT
SETEe22stdFIT<-ugarchfit(spec=SETEe22std,data=datSETEretINSA SETEe22stdFIT
SETEe12stdFIT<-ugarchfit(spec=SETEe12std,data=datSETEretINSA SETEe12stdFIT
SETEe21stdFIT<-ugarchfit(spec=SETEe21std,data=datSETEretINSA SETEe21stdFIT
SETEg11stdFIT<-ugarchfit(spec=SETEg11std,data=datSETEretINSA SETEg11stdFIT
SETEg22stdFIT<-ugarchfit(spec=SETEg22std,data=datSETEretINSA SETEg22stdFIT
SETEg12stdFIT<-ugarchfit(spec=SETEg12std,data=datSETEretINSA SETEg12stdFIT
SETEg21stdFIT<-ugarchfit(spec=SETEg21std,data=datSETEretINSA SETEg21stdFIT
SETEi11stdFIT<-ugarchfit(spec=SETEi11std,data=datSETEretINSA SETEi11stdFIT
SETEi22stdFIT<-ugarchfit(spec=SETEi22std,data=datSETEretINSA SETEi22stdFIT
SETEi12stdFIT<-ugarchfit(spec=SETEi12std,data=datSETEretINSA SETEi12stdFIT
SETEi21stdFIT<-ugarchfit(spec=SETEi21std,data=datSETEretINSA SETEi21stdFIT
SETEc11stdFIT<-ugarchfit(spec=SETEc11std,data=datSETEretINSA SETEc11stdFIT
SETEc22stdFIT<-ugarchfit(spec=SETEc22std,data=datSETEretINSA SETEc22stdFIT
SETEc12stdFIT<-ugarchfit(spec=SETEc12std,data=datSETEretINSA SETEc12stdFIT
SETEc21stdFIT<-ugarchfit(spec=SETEc21std,data=datSETEretINSA SETEc21stdFIT

SETEs11norFIT<-ugarchfit(spec=SETEs11nor,data=datSETEretINSA SETEs11norFIT
SETEs22norFIT<-ugarchfit(spec=SETEs22nor,data=datSETEretINSA SETEs22norFIT
SETEs12norFIT<-ugarchfit(spec=SETEs12nor,data=datSETEretINSA SETEs12norFIT
SETEs21norFIT<-ugarchfit(spec=SETEs21nor,data=datSETEretINSA SETEs21norFIT
SETEe11norFIT<-ugarchfit(spec=SETEe11nor,data=datSETEretINSA SETEe11norFIT
SETEe22norFIT<-ugarchfit(spec=SETEe22nor,data=datSETEretINSA SETEe22norFIT
SETEe12norFIT<-ugarchfit(spec=SETEe12nor,data=datSETEretINSA SETEe12norFIT
SETEe21norFIT<-ugarchfit(spec=SETEe21nor,data=datSETEretINSA SETEe21norFIT
SETEg11norFIT<-ugarchfit(spec=SETEg11nor,data=datSETEretINSA SETEg11norFIT
SETEg22norFIT<-ugarchfit(spec=SETEg22nor,data=datSETEretINSA SETEg22norFIT
SETEg12norFIT<-ugarchfit(spec=SETEg12nor,data=datSETEretINSA SETEg12norFIT
SETEe21norFIT<-ugarchfit(spec=SETEe21nor,data=datSETEretINSA SETEg21norFIT
SETEi11norFIT<-ugarchfit(spec=SETEi11nor,data=datSETEretINSA SETEi11norFIT
SETEi22norFIT<-ugarchfit(spec=SETEi22nor,data=datSETEretINSA SETEi22norFIT
SETEi12norFIT<-ugarchfit(spec=SETEi12nor,data=datSETEretINSA SETEi12norFIT
SETEi21norFIT<-ugarchfit(spec=SETEi21nor,data=datSETEretINSA SETEi21norFIT
SETEc11norFIT<-ugarchfit(spec=SETEc11nor,data=datSETEretINSA SETEc11norFIT
SETEc22norFIT<-ugarchfit(spec=SETEc22nor,data=datSETEretINSA SETEc22norFIT
SETEc12norFIT<-ugarchfit(spec=SETEc12nor,data=datSETEretINSA SETEc12norFIT
SETEc21norFIT<-ugarchfit(spec=SETEc21nor,data=datSETEretINSA SETEc21norFIT
```

```
##BeverageFIT
SEBEs11edFIT<-ugarchfit(spec=SEBEs11eed.data=datSEBEretINSA SEBEs11gedFIT
SEBEs22edFIT<-ugarchfit(spec=SEBEs22eed.data=datSEBEretINSA SEBEs22gedFIT
SEBEs12edFIT<-ugarchfit(spec=SEBEs12eed.data=datSEBEretINSA SEBEs12gedFIT
SEBEs21edFIT<-ugarchfit(spec=SEBEs21eed.data=datSEBEretINSA SEBEs21gedFIT
SEBEe11edFIT<-ugarchfit(spec=SEBEe11eed.data=datSEBEretINSA SEBEe11gedFIT
SEBEe22edFIT<-ugarchfit(spec=SEBEe22eed.data=datSEBEretINSA SEBEe22gedFIT
SEBEe12edFIT<-ugarchfit(spec=SEBEe12eed.data=datSEBEretINSA SEBEe12gedFIT
SEBEe21edFIT<-ugarchfit(spec=SEBEe21eed.data=datSEBEretINSA SEBEe21gedFIT
SEBEg11edFIT<-ugarchfit(spec=SEBEg11eed.data=datSEBEretINSA SEBEg11gedFIT
SEBEg22edFIT<-ugarchfit(spec=SEBEg22eed.data=datSEBEretINSA SEBEg22gedFIT
SEBEg12edFIT<-ugarchfit(spec=SEBEg12eed.data=datSEBEretINSA SEBEg12gedFIT
SEBEg21edFIT<-ugarchfit(spec=SEBEg21eed.data=datSEBEretINSA SEBEg21gedFIT
SEBEi11edFIT<-ugarchfit(spec=SEBEi11eed.data=datSEBEretINSA SEBEi11gedFIT
SEBEi22edFIT<-ugarchfit(spec=SEBEi22eed.data=datSEBEretINSA SEBEi22gedFIT
SEBEi12edFIT<-ugarchfit(spec=SEBEi12eed.data=datSEBEretINSA SEBEi12gedFIT
SEBEi21edFIT<-ugarchfit(spec=SEBEi21eed.data=datSEBEretINSA SEBEi21gedFIT
SEBEc11edFIT<-ugarchfit(spec=SEBEc11eed.data=datSEBEretINSA SEBEc11gedFIT
SEBEc22edFIT<-ugarchfit(spec=SEBEc22eed.data=datSEBEretINSA SEBEc22gedFIT
SEBEc12edFIT<-ugarchfit(spec=SEBEc12eed.data=datSEBEretINSA SEBEc12gedFIT
SEBEc21edFIT<-ugarchfit(spec=SEBEc21eed.data=datSEBEretINSA SEBEc21gedFIT

SEBEs11stdFIT<-ugarchfit(spec=SEBEs11std.data=datSEBEretINSA SEBEs11stdFIT
SEBEs22stdFIT<-ugarchfit(spec=SEBEs22std.data=datSEBEretINSA SEBEs22stdFIT
SEBEs12stdFIT<-ugarchfit(spec=SEBEs12std.data=datSEBEretINSA SEBEs12stdFIT
SEBEs21stdFIT<-ugarchfit(spec=SEBEs21std.data=datSEBEretINSA SEBEs21stdFIT
SEBEe11stdFIT<-ugarchfit(spec=SEBEe11std.data=datSEBEretINSA SEBEe11stdFIT
SEBEe22stdFIT<-ugarchfit(spec=SEBEe22std.data=datSEBEretINSA SEBEe22stdFIT
SEBEe12stdFIT<-ugarchfit(spec=SEBEe12std.data=datSEBEretINSA SEBEe12stdFIT
SEBEe21stdFIT<-ugarchfit(spec=SEBEe21std.data=datSEBEretINSA SEBEe21stdFIT
SEBEg11stdFIT<-ugarchfit(spec=SEBEg11std.data=datSEBEretINSA SEBEg11stdFIT
SEBEg22stdFIT<-ugarchfit(spec=SEBEg22std.data=datSEBEretINSA SEBEg22stdFIT
SEBEg12stdFIT<-ugarchfit(spec=SEBEg12std.data=datSEBEretINSA SEBEg12stdFIT
SEBEg21stdFIT<-ugarchfit(spec=SEBEg21std.data=datSEBEretINSA SEBEg21stdFIT
SEBEi11stdFIT<-ugarchfit(spec=SEBEi11std.data=datSEBEretINSA SEBEi11stdFIT
SEBEi22stdFIT<-ugarchfit(spec=SEBEi22std.data=datSEBEretINSA SEBEi22stdFIT
SEBEi12stdFIT<-ugarchfit(spec=SEBEi12std.data=datSEBEretINSA SEBEi12stdFIT
SEBEi21stdFIT<-ugarchfit(spec=SEBEi21std.data=datSEBEretINSA SEBEi21stdFIT
SEBEc11stdFIT<-ugarchfit(spec=SEBEc11std.data=datSEBEretINSA SEBEc11stdFIT
SEBEc22stdFIT<-ugarchfit(spec=SEBEc22std.data=datSEBEretINSA SEBEc22stdFIT
SEBEc12stdFIT<-ugarchfit(spec=SEBEc12std.data=datSEBEretINSA SEBEc12stdFIT
SEBEc21stdFIT<-ugarchfit(spec=SEBEc21std.data=datSEBEretINSA SEBEc21stdFIT

SEBEs11norFIT<-ugarchfit(spec=SEBEs11nor.data=datSEBEretINSA SEBEs11norFIT
SEBEs22norFIT<-ugarchfit(spec=SEBEs22nor.data=datSEBEretINSA SEBEs22norFIT
SEBEs12norFIT<-ugarchfit(spec=SEBEs12nor.data=datSEBEretINSA SEBEs12norFIT
SEBEs21norFIT<-ugarchfit(spec=SEBEs21nor.data=datSEBEretINSA SEBEs21norFIT
SEBEe11norFIT<-ugarchfit(spec=SEBEe11nor.data=datSEBEretINSA SEBEe11norFIT
SEBEe22norFIT<-ugarchfit(spec=SEBEe22nor.data=datSEBEretINSA SEBEe22norFIT
SEBEe12norFIT<-ugarchfit(spec=SEBEe12nor.data=datSEBEretINSA SEBEe12norFIT
SEBEe21norFIT<-ugarchfit(spec=SEBEe21nor.data=datSEBEretINSA SEBEe21norFIT
SEBEg11norFIT<-ugarchfit(spec=SEBEg11nor.data=datSEBEretINSA SEBEg11norFIT
SEBEg22norFIT<-ugarchfit(spec=SEBEg22nor.data=datSEBEretINSA SEBEg22norFIT
SEBEe12norFIT<-ugarchfit(spec=SEBEe12nor.data=datSEBEretINSA SEBEg12norFIT
SEBEe21norFIT<-ugarchfit(spec=SEBEe21nor.data=datSEBEretINSA SEBEg21norFIT
SEBEi11norFIT<-ugarchfit(spec=SEBEi11nor.data=datSEBEretINSA SEBEi11norFIT
SEBEi22norFIT<-ugarchfit(spec=SEBEi22nor.data=datSEBEretINSA SEBEi22norFIT
SEBEi12norFIT<-ugarchfit(spec=SEBEi12nor.data=datSEBEretINSA SEBEi12norFIT
SEBEi21norFIT<-ugarchfit(spec=SEBEi21nor.data=datSEBEretINSA SEBEi21norFIT
SEBEc11norFIT<-ugarchfit(spec=SEBEc11nor.data=datSEBEretINSA SEBEc11norFIT
SEBEc22norFIT<-ugarchfit(spec=SEBEc22nor.data=datSEBEretINSA SEBEc22norFIT
SEBEc12norFIT<-ugarchfit(spec=SEBEc12nor.data=datSEBEretINSA SEBEc12norFIT
SEBEc21norFIT<-ugarchfit(spec=SEBEc21nor.data=datSEBEretINSA SEBEc21norFIT

##Total European Market FIT
SEETs11edFIT<-ugarchfit(spec=SEETs11eed,data=datSEETretINSA SEETs11gedFIT
SEETs22edFIT<-ugarchfit(spec=SEETs22eed.data=datSEETretINSA SEETs22gedFIT
SEETs12edFIT<-ugarchfit(spec=SEETs12eed.data=datSEETretINSA SEETs12gedFIT
SEETs21edFIT<-ugarchfit(spec=SEETs21eed.data=datSEETretINSA SEETs21gedFIT
SEETe11edFIT<-ugarchfit(spec=SEETe11eed.data=datSEETretINSA SEETe11gedFIT
SEETe22edFIT<-ugarchfit(spec=SEETe22eed.data=datSEETretINSA SEETe22gedFIT
SEETe12edFIT<-ugarchfit(spec=SEETe12eed.data=datSEETretINSA SEETe12gedFIT
SEETe21edFIT<-ugarchfit(spec=SEETe21eed.data=datSEETretINSA SEETe21gedFIT
SEETg11edFIT<-ugarchfit(spec=SEETg11eed,data=datSEETretINSA SEETg11gedFIT
SEETg22edFIT<-ugarchfit(spec=SEETg22eed,data=datSEETretINSA SEETg22gedFIT
SEETg12edFIT<-ugarchfit(spec=SEETg12eed,data=datSEETretINSA SEETg12gedFIT
SEETg21edFIT<-ugarchfit(spec=SEETg21eed,data=datSEETretINSA SEETg21gedFIT
SEETi11edFIT<-ugarchfit(spec=SEETi11eed,data=datSEETretINSA SEETi11gedFIT
SEETi22edFIT<-ugarchfit(spec=SEETi22eed.data=datSEETretINSA SEETi22gedFIT
SEETi12edFIT<-ugarchfit(spec=SEETi12eed,data=datSEETretINSA SEETi12gedFIT
SEETi21edFIT<-ugarchfit(spec=SEETi21eed.data=datSEETretINSA SEETi21gedFIT
SEETc11edFIT<-ugarchfit(spec=SEETc11eed.data=datSEETretINSA SEETc11gedFIT
SEETc22edFIT<-ugarchfit(spec=SEETc22eed.data=datSEETretINSA SEETc22gedFIT
SEETc12edFIT<-ugarchfit(spec=SEETc12eed.data=datSEETretINSA SEETc12gedFIT
SEETc21edFIT<-ugarchfit(spec=SEETc21eed.data=datSEETretINSA SEETc21gedFIT

SEETs11stdFIT<-ugarchfit(spec=SEETs11std.data=datSEETretINSA SEETs11stdFIT
SEETs22stdFIT<-ugarchfit(spec=SEETs22std.data=datSEETretINSA SEETs22stdFIT
SEETs12stdFIT<-ugarchfit(spec=SEETs12std.data=datSEETretINSA SEETs12stdFIT
SEETs21stdFIT<-ugarchfit(spec=SEETs21std.data=datSEETretINSA SEETs21stdFIT
SEETe11stdFIT<-ugarchfit(spec=SEETe11std.data=datSEETretINSA SEETe11stdFIT
SEETe22stdFIT<-ugarchfit(spec=SEETe22std.data=datSEETretINSA SEETe22stdFIT
SEETe12stdFIT<-ugarchfit(spec=SEETe12std.data=datSEETretINSA SEETe12stdFIT
SEETe21stdFIT<-ugarchfit(spec=SEETe21std.data=datSEETretINSA SEETe21stdFIT
SEETg11stdFIT<-ugarchfit(spec=SEETg11std.data=datSEETretINSA SEETg11stdFIT
SEETg22stdFIT<-ugarchfit(spec=SEETg22std.data=datSEETretINSA SEETg22stdFIT
SEETg12stdFIT<-ugarchfit(spec=SEETg12std.data=datSEETretINSA SEETg12stdFIT
SEETg21stdFIT<-ugarchfit(spec=SEETg21std.data=datSEETretINSA SEETg21stdFIT
SEETi11stdFIT<-ugarchfit(spec=SEETi11std.data=datSEETretINSA SEETi11stdFIT
SEETi22stdFIT<-ugarchfit(spec=SEETi22std.data=datSEETretINSA SEETi22stdFIT
SEETi12stdFIT<-ugarchfit(spec=SEETi12std.data=datSEETretINSA SEETi12stdFIT
SEETi21stdFIT<-ugarchfit(spec=SEETi21std.data=datSEETretINSA SEETi21stdFIT
SEETc11stdFIT<-ugarchfit(spec=SEETc11std.data=datSEETretINSA SEETc11stdFIT
SEETc22stdFIT<-ugarchfit(spec=SEETc22std.data=datSEETretINSA SEETc22stdFIT
SEETc12stdFIT<-ugarchfit(spec=SEETc12std.data=datSEETretINSA SEETc12stdFIT
SEETc21stdFIT<-ugarchfit(spec=SEETc21std.data=datSEETretINSA SEETc21stdFIT

SEETs11norFIT<-ugarchfit(spec=SEETs11nor.data=datSEETretINSA SEETs11norFIT
SEETs22norFIT<-ugarchfit(spec=SEETs22nor.data=datSEETretINSA SEETs22norFIT
SEETs12norFIT<-ugarchfit(spec=SEETs12nor.data=datSEETretINSA SEETs12norFIT
SEETs21norFIT<-ugarchfit(spec=SEETs21nor.data=datSEETretINSA SEETs21norFIT
SEETe11norFIT<-ugarchfit(spec=SEETe11nor.data=datSEETretINSA SEETe11norFIT
SEETe22norFIT<-ugarchfit(spec=SEETe22nor.data=datSEETretINSA SEETe22norFIT
SEETe12norFIT<-ugarchfit(spec=SEETe12nor.data=datSEETretINSA SEETe12norFIT
SEETe21norFIT<-ugarchfit(spec=SEETe21nor.data=datSEETretINSA SEETe21norFIT
SEETg11norFIT<-ugarchfit(spec=SEETg11nor.data=datSEETretINSA SEETg11norFIT
SEETg22norFIT<-ugarchfit(spec=SEETg22nor.data=datSEETretINSA SEETg22norFIT
SEETg12norFIT<-ugarchfit(spec=SEETg12nor.data=datSEETretINSA SEETg12norFIT
SEETg21norFIT<-ugarchfit(spec=SEETg21nor.data=datSEETretINSA SEETg21norFIT
SEETi11norFIT<-ugarchfit(spec=SEETi11nor.data=datSEETretINSA SEETi11norFIT
SEETi22norFIT<-ugarchfit(spec=SEETi22nor.data=datSEETretINSA SEETi22norFIT
SEETi12norFIT<-ugarchfit(spec=SEETi12nor.data=datSEETretINSA SEETi12norFIT
SEETi21norFIT<-ugarchfit(spec=SEETi21nor.data=datSEETretINSA SEETi21norFIT
SEETc11norFIT<-ugarchfit(spec=SEETc11nor.data=datSEETretINSA SEETc11norFIT
SEETc22norFIT<-ugarchfit(spec=SEETc22nor.data=datSEETretINSA SEETc22norFIT
SEETc12norFIT<-ugarchfit(spec=SEETc12nor.data=datSEETretINSA SEETc12norFIT
SEETc21norFIT<-ugarchfit(spec=SEETc21nor.data=datSEETretINSA SEETc21norFIT

##Chemicals FIT
SECHs11edFIT<-ugarchfit(spec=SECHs11eed,data=datSECHretINSA SECHs11gedFIT
SECHs22edFIT<-ugarchfit(spec=SECHs22eed,data=datSECHretINSA SECHs22gedFIT
SECHs12edFIT<-ugarchfit(spec=SECHs12eed,data=datSECHretINSA SECHs12gedFIT
SECHs21edFIT<-ugarchfit(spec=SECHs21eed.data=datSECHretINSA SECHs21gedFIT
SECHe11edFIT<-ugarchfit(spec=SECHe11eed.data=datSECHretINSA SECHe11gedFIT
SECHe22edFIT<-ugarchfit(spec=SECHe22eed.data=datSECHretINSA SECHe22gedFIT
SECHe12edFIT<-ugarchfit(spec=SECHe12eed.data=datSECHretINSA SECHe12gedFIT
SECHe21edFIT<-ugarchfit(spec=SECHe21eed.data=datSECHretINSA SECHe21gedFIT
SECHg11edFIT<-ugarchfit(spec=SECHg11eed.data=datSECHretINSA SECHg11gedFIT
SECHg22edFIT<-ugarchfit(spec=SECHg22eed.data=datSECHretINSA SECHg22gedFIT
SECHg12edFIT<-ugarchfit(spec=SECHg12eed.data=datSECHretINSA SECHg12gedFIT
SECHg21edFIT<-ugarchfit(spec=SECHg21eed.data=datSECHretINSA SECHg21gedFIT
SECHi11edFIT<-ugarchfit(spec=SECHi11eed.data=datSECHretINSA SECHi11gedFIT
SECHi22edFIT<-ugarchfit(spec=SECHi22eed.data=datSECHretINSA SECHi22gedFIT
SECHi12edFIT<-ugarchfit(spec=SECHi12eed.data=datSECHretINSA SECHi12gedFIT
SECHi21edFIT<-ugarchfit(spec=SECHi21eed.data=datSECHretINSA SECHi21gedFIT
SECHc11edFIT<-ugarchfit(spec=SECHc11eed.data=datSECHretINSA SECHc11gedFIT
SECHc22edFIT<-ugarchfit(spec=SECHc22eed.data=datSECHretINSA SECHc22gedFIT
SECHc12edFIT<-ugarchfit(spec=SECHc12eed.data=datSECHretINSA SECHc12gedFIT
SECHc21edFIT<-ugarchfit(spec=SECHc21eed.data=datSECHretINSA SECHc21gedFIT

SECHs11stdFIT<-ugarchfit(spec=SECHs11std.data=datSECHretINSA SECHs11stdFIT
SECHs22stdFIT<-ugarchfit(spec=SECHs22std.data=datSECHretINSA SECHs22stdFIT
SECHs12stdFIT<-ugarchfit(spec=SECHs12std.data=datSECHretINSA SECHs12stdFIT
SECHs21stdFIT<-ugarchfit(spec=SECHs21std.data=datSECHretINSA SECHs21stdFIT
SECHe11stdFIT<-ugarchfit(spec=SECHe11std.data=datSECHretINSA SECHe11stdFIT
SECHe22stdFIT<-ugarchfit(spec=SECHe22std.data=datSECHretINSA SECHe22stdFIT
SECHe12stdFIT<-ugarchfit(spec=SECHe12std.data=datSECHretINSA SECHe12stdFIT
SECHe21stdFIT<-ugarchfit(spec=SECHe21std.data=datSECHretINSA SECHe21stdFIT
SECHg11stdFIT<-ugarchfit(spec=SECHg11std.data=datSECHretINSA SECHg11stdFIT
SECHg22stdFIT<-ugarchfit(spec=SECHg22std.data=datSECHretINSA SECHg22stdFIT
SECHg12stdFIT<-ugarchfit(spec=SECHg12std.data=datSECHretINSA SECHg12stdFIT
SECHg21stdFIT<-ugarchfit(spec=SECHg21std.data=datSECHretINSA SECHg21stdFIT
SECHi11stdFIT<-ugarchfit(spec=SECHi11std.data=datSECHretINSA SECHi11stdFIT
SECHi22stdFIT<-ugarchfit(spec=SECHi22std.data=datSECHretINSA SECHi22stdFIT
SECHi12stdFIT<-ugarchfit(spec=SECHi12std.data=datSECHretINSA SECHi12stdFIT
SECHi21stdFIT<-ugarchfit(spec=SECHi21std.data=datSECHretINSA SECHi21stdFIT
SECHc11stdFIT<-ugarchfit(spec=SECHc11std.data=datSECHretINSA SECHc11stdFIT
SECHc22stdFIT<-ugarchfit(spec=SECHc22std.data=datSECHretINSA SECHc22stdFIT
SECHc12stdFIT<-ugarchfit(spec=SECHc12std.data=datSECHretINSA SECHc12stdFIT
SECHc21stdFIT<-ugarchfit(spec=SECHc21std.data=datSECHretINSA SECHc21stdFIT

SECHs11norFIT<-ugarchfit(spec=SECHs11nor.data=datSECHretINSA SECHs11norFIT
SECHs22norFIT<-ugarchfit(spec=SECHs22nor.data=datSECHretINSA SECHs22norFIT
SECHs12norFIT<-ugarchfit(spec=SECHs12nor.data=datSECHretINSA SECHs12norFIT
SECHs21norFIT<-ugarchfit(spec=SECHs21nor.data=datSECHretINSA SECHs21norFIT
SECHe11norFIT<-ugarchfit(spec=SECHe11nor.data=datSECHretINSA SECHe11norFIT
SECHe22norFIT<-ugarchfit(spec=SECHe22nor.data=datSECHretINSA SECHe22norFIT
SECHe12norFIT<-ugarchfit(spec=SECHe12nor.data=datSECHretINSA SECHe12norFIT
SECHe21norFIT<-ugarchfit(spec=SECHe21nor.data=datSECHretINSA SECHe21norFIT
SECHg11norFIT<-ugarchfit(spec=SECHg11nor.data=datSECHretINSA SECHg11norFIT
SECHg22norFIT<-ugarchfit(spec=SECHg22nor.data=datSECHretINSA SECHg22norFIT
SECHg12norFIT<-ugarchfit(spec=SECHg12nor.data=datSECHretINSA SECHg12norFIT
SECHg21norFIT<-ugarchfit(spec=SECHg21nor.data=datSECHretINSA SECHg21norFIT
SECHi11norFIT<-ugarchfit(spec=SECHi11nor.data=datSECHretINSA SECHi11norFIT
SECHi22norFIT<-ugarchfit(spec=SECHi22nor.data=datSECHretINSA SECHi22norFIT
SECHi12norFIT<-ugarchfit(spec=SECHi12nor.data=datSECHretINSA SECHi12norFIT
SECHi21norFIT<-ugarchfit(spec=SECHi21nor.data=datSECHretINSA SECHi21norFIT
SECHc11norFIT<-ugarchfit(spec=SECHc11nor.data=datSECHretINSA SECHc11norFIT
SECHc22norFIT<-ugarchfit(spec=SECHc22nor.data=datSECHretINSA SECHc22norFIT
SECHc12norFIT<-ugarchfit(spec=SECHc12nor.data=datSECHretINSA SECHc12norFIT
SECHc21norFIT<-ugarchfit(spec=SECHc21nor.data=datSECHretINSA SECHc21norFIT

##Auto and Parts FIT
SEAPs11edFIT<-ugarchfit(spec=SEAPs11eed,data=datSEAPretINSA SEAPs11gedFIT
SEAPs22gedFIT<-ugarchfit(spec=SEAPs22ged,data=datSEAPretINSA SEAPs22gedFIT
```

```
SEAPs12gedFIT<-uqarchfit(spec=SEAPs12ged,data=datSEAPretINSA SEAPs12gedFIT
SEAPs21gedFIT<-uqarchfit(spec=SEAPs21ged,data=datSEAPretINSA SEAPs21gedFIT
SEAPe11gedFIT<-uqarchfit(spec=SEAPe11ged,data=datSEAPretINSA SEAPe11gedFIT
SEAPe22gedFIT<-uqarchfit(spec=SEAPe22ged,data=datSEAPretINSA SEAPe22gedFIT
SEAPe12gedFIT<-uqarchfit(spec=SEAPe12ged,data=datSEAPretINSA SEAPe12gedFIT
SEAPe21gedFIT<-uqarchfit(spec=SEAPe21ged,data=datSEAPretINSA SEAPe21gedFIT
SEAPg11gedFIT<-uqarchfit(spec=SEAPe11ged,data=datSEAPretINSA SEAPg11gedFIT
SEAPg22gedFIT<-uqarchfit(spec=SEAPg22ged,data=datSEAPretINSA SEAPg22gedFIT
SEAPg12gedFIT<-uqarchfit(spec=SEAPg12ged,data=datSEAPretINSA SEAPg12gedFIT
SEAPg21gedFIT<-uqarchfit(spec=SEAPg21ged,data=datSEAPretINSA SEAPg21gedFIT
SEAPi11gedFIT<-uqarchfit(spec=SEAPi11ged,data=datSEAPretINSA SEAPi11gedFIT
SEAPi22gedFIT<-uqarchfit(spec=SEAPi22ged,data=datSEAPretINSA SEAPi22gedFIT
SEAPi12gedFIT<-uqarchfit(spec=SEAPi12ged,data=datSEAPretINSA SEAPi12gedFIT
SEAPi21gedFIT<-uqarchfit(spec=SEAPi21ged,data=datSEAPretINSA SEAPi21gedFIT
SEAPc11edFIT<-uqarchfit(spec=SEAPc11ed.data=datSEAPretINSA SEAPc11gedFIT
SEAPc22edFIT<-uqarchfit(spec=SEAPc22ed.data=datSEAPretINSA SEAPc22gedFIT
SEAPc12edFIT<-uqarchfit(spec=SEAPc12ed.data=datSEAPretINSA SEAPc12gedFIT
SEAPc21edFIT<-uqarchfit(spec=SEAPc21ed.data=datSEAPretINSA SEAPc21gedFIT

SEAPs11stdFIT<-uqarchfit(spec=SEAPs11std.data=datSEAPretINSA SEAPs11stdFIT
SEAPs22stdFIT<-uqarchfit(spec=SEAPs22std.data=datSEAPretINSA SEAPs22stdFIT
SEAPs12stdFIT<-uqarchfit(spec=SEAPs12std.data=datSEAPretINSA SEAPs12stdFIT
SEAPs21stdFIT<-uqarchfit(spec=SEAPs21std.data=datSEAPretINSA SEAPs21stdFIT
SEAPe11stdFIT<-uqarchfit(spec=SEAPe11std.data=datSEAPretINSA SEAPe11stdFIT
SEAPe22stdFIT<-uqarchfit(spec=SEAPe22std.data=datSEAPretINSA SEAPe22stdFIT
SEAPe12stdFIT<-uqarchfit(spec=SEAPe12std.data=datSEAPretINSA SEAPe12stdFIT
SEAPe21stdFIT<-uqarchfit(spec=SEAPe21std.data=datSEAPretINSA SEAPe21stdFIT
SEAPg11stdFIT<-uqarchfit(spec=SEAPe11std.data=datSEAPretINSA SEAPg11stdFIT
SEAPg22stdFIT<-uqarchfit(spec=SEAPg22std.data=datSEAPretINSA SEAPg22stdFIT
SEAPg12stdFIT<-uqarchfit(spec=SEAPg12std.data=datSEAPretINSA SEAPg12stdFIT
SEAPg21stdFIT<-uqarchfit(spec=SEAPg21std.data=datSEAPretINSA SEAPg21stdFIT
SEAPi11stdFIT<-uqarchfit(spec=SEAPi11std.data=datSEAPretINSA SEAPi11stdFIT
SEAPi22stdFIT<-uqarchfit(spec=SEAPi22std.data=datSEAPretINSA SEAPi22stdFIT
SEAPi12stdFIT<-uqarchfit(spec=SEAPi12std.data=datSEAPretINSA SEAPi12stdFIT
SEAPi21stdFIT<-uqarchfit(spec=SEAPi21std.data=datSEAPretINSA SEAPi21stdFIT
SEAPc11stdFIT<-uqarchfit(spec=SEAPc11std.data=datSEAPretINSA SEAPc11stdFIT
SEAPc22stdFIT<-uqarchfit(spec=SEAPc22std.data=datSEAPretINSA SEAPc22stdFIT
SEAPc12stdFIT<-uqarchfit(spec=SEAPc12std.data=datSEAPretINSA SEAPc12stdFIT
SEAPc21stdFIT<-uqarchfit(spec=SEAPc21std.data=datSEAPretINSA SEAPc21stdFIT

SEAPs11norFIT<-uqarchfit(spec=SEAPs11nor.data=datSEAPretINSA SEAPs11norFIT
SEAPs22norFIT<-uqarchfit(spec=SEAPs22nor.data=datSEAPretINSA SEAPs22norFIT
SEAPs12norFIT<-uqarchfit(spec=SEAPs12nor.data=datSEAPretINSA SEAPs12norFIT
SEAPs21norFIT<-uqarchfit(spec=SEAPs21nor.data=datSEAPretINSA SEAPs21norFIT
SEAPe11norFIT<-uqarchfit(spec=SEAPe11nor.data=datSEAPretINSA SEAPe11norFIT
SEAPe22norFIT<-uqarchfit(spec=SEAPe22nor.data=datSEAPretINSA SEAPe22norFIT
SEAPe12norFIT<-uqarchfit(spec=SEAPe12nor.data=datSEAPretINSA SEAPe12norFIT
SEAPe21norFIT<-uqarchfit(spec=SEAPe21nor.data=datSEAPretINSA SEAPe21norFIT
SEAPg11norFIT<-uqarchfit(spec=SEAPg11nor.data=datSEAPretINSA SEAPg11norFIT
SEAPg22norFIT<-uqarchfit(spec=SEAPg22nor.data=datSEAPretINSA SEAPg22norFIT
SEAPg12norFIT<-uqarchfit(spec=SEAPg12nor.data=datSEAPretINSA SEAPg12norFIT
SEAPg21norFIT<-uqarchfit(spec=SEAPg21nor.data=datSEAPretINSA SEAPg21norFIT
SEAPi11norFIT<-uqarchfit(spec=SEAPi11nor.data=datSEAPretINSA SEAPi11norFIT
SEAPi22norFIT<-uqarchfit(spec=SEAPi22nor.data=datSEAPretINSA SEAPi22norFIT
SEAPi12norFIT<-uqarchfit(spec=SEAPi12nor.data=datSEAPretINSA SEAPi12norFIT
SEAPi21norFIT<-uqarchfit(spec=SEAPi21nor.data=datSEAPretINSA SEAPi21norFIT
SEAPc11norFIT<-uqarchfit(spec=SEAPc11nor.data=datSEAPretINSA SEAPc11norFIT
SEAPc22norFIT<-uqarchfit(spec=SEAPc22nor.data=datSEAPretINSA SEAPc22norFIT
SEAPc12norFIT<-uqarchfit(spec=SEAPc12nor.data=datSEAPretINSA SEAPc12norFIT
SEAPc21norFIT<-uqarchfit(spec=SEAPc21nor.data=datSEAPretINSA SEAPc21norFIT

##BitcoinFIT
BITCs11gedFIT<-uqarchfit(spec=BITCs11ged,data=datBITCretINSA BITCs11gedFIT
BITCs22gedFIT<-uqarchfit(spec=BITCs22ged,data=datBITCretINSA BITCs22gedFIT
BITCs12gedFIT<-uqarchfit(spec=BITCs12ged,data=datBITCretINSA BITCs12gedFIT
BITCs21gedFIT<-uqarchfit(spec=BITCs21ged,data=datBITCretINSA BITCs21gedFIT
BITCe11gedFIT<-uqarchfit(spec=BITCe11ged.data=datBITCretINSA BITCe11gedFIT
BITCe22edFIT<-uqarchfit(spec=BITCe22ed.data=datBITCretINSA BITCe22gedFIT
BITCe12edFIT<-uqarchfit(spec=BITCe12ed.data=datBITCretINSA BITCe12gedFIT
BITCe21edFIT<-uqarchfit(spec=BITCe21ed.data=datBITCretINSA BITCe21gedFIT
BITCe11stdFIT<-uqarchfit(spec=BITCe11std.data=datBITCretINSA BITCg11gedFIT
BITCe22stdFIT<-uqarchfit(spec=BITCe22std.data=datBITCretINSA BITCg22gedFIT
BITCe12stdFIT<-uqarchfit(spec=BITCe12std.data=datBITCretINSA BITCg12gedFIT
BITCe21stdFIT<-uqarchfit(spec=BITCe21std.data=datBITCretINSA BITCg21gedFIT
BITCg11gedFIT<-uqarchfit(spec=BITCg11ged,data=datBITCretINSA BITCi11gedFIT
BITCg22gedFIT<-uqarchfit(spec=BITCg22ged,data=datBITCretINSA BITCi22gedFIT
BITCg12gedFIT<-uqarchfit(spec=BITCg12ged,data=datBITCretINSA BITCi12gedFIT
BITCg21gedFIT<-uqarchfit(spec=BITCg21ged,data=datBITCretINSA BITCi21gedFIT
BITCi11gedFIT<-uqarchfit(spec=BITCi11ged,data=datBITCretINSA BITCc11gedFIT
BITCi22gedFIT<-uqarchfit(spec=BITCi22ged,data=datBITCretINSA BITCc22gedFIT
BITCi12gedFIT<-uqarchfit(spec=BITCi12ged,data=datBITCretINSA BITCc12gedFIT
BITCi21gedFIT<-uqarchfit(spec=BITCi21ged,data=datBITCretINSA BITCc21gedFIT

BITCs11stdFIT<-uqarchfit(spec=BITCs11std.data=datBITCretINSA BITCs11stdFIT
BITCs22stdFIT<-uqarchfit(spec=BITCs22std.data=datBITCretINSA BITCs22stdFIT
BITCs12stdFIT<-uqarchfit(spec=BITCs12std.data=datBITCretINSA BITCs12stdFIT
BITCs21stdFIT<-uqarchfit(spec=BITCs21std.data=datBITCretINSA BITCs21stdFIT
BITCe11stdFIT<-uqarchfit(spec=BITCe11std.data=datBITCretINSA BITCe11stdFIT
BITCe22stdFIT<-uqarchfit(spec=BITCe22std.data=datBITCretINSA BITCe22stdFIT
BITCe12stdFIT<-uqarchfit(spec=BITCe12std.data=datBITCretINSA BITCe12stdFIT
BITCe21stdFIT<-uqarchfit(spec=BITCe21std.data=datBITCretINSA BITCe21stdFIT
BITCg11stdFIT<-uqarchfit(spec=BITCg11std.data=datBITCretINSA BITCg11stdFIT
BITCg22stdFIT<-uqarchfit(spec=BITCg22std.data=datBITCretINSA BITCg22stdFIT
BITCg12stdFIT<-uqarchfit(spec=BITCg12std.data=datBITCretINSA BITCg12stdFIT
BITCg21stdFIT<-uqarchfit(spec=BITCg21std.data=datBITCretINSA BITCg21stdFIT
BITCi11stdFIT<-uqarchfit(spec=BITCi11std.data=datBITCretINSA BITCi11stdFIT
BITCi22stdFIT<-uqarchfit(spec=BITCi22std.data=datBITCretINSA BITCi22stdFIT
BITCi12stdFIT<-uqarchfit(spec=BITCi12std.data=datBITCretINSA BITCi12stdFIT
BITCi21stdFIT<-uqarchfit(spec=BITCi21std.data=datBITCretINSA BITCi21stdFIT
BITCc11stdFIT<-uqarchfit(spec=BITCc11std.data=datBITCretINSA BITCc11stdFIT
BITCc22stdFIT<-uqarchfit(spec=BITCc22std.data=datBITCretINSA BITCc22stdFIT
BITCc12stdFIT<-uqarchfit(spec=BITCc12std.data=datBITCretINSA BITCc12stdFIT
BITCc21stdFIT<-uqarchfit(spec=BITCc21std.data=datBITCretINSA BITCc21stdFIT

BITCs11norFIT<-uqarchfit(spec=BITCs11nor,data=datBITCretINSA BITCs11norFIT
BITCs22norFIT<-uqarchfit(spec=BITCs22nor.data=datBITCretINSA BITCs22norFIT
BITCs12norFIT<-uqarchfit(spec=BITCs12nor.data=datBITCretINSA BITCs12norFIT
BITCs21norFIT<-uqarchfit(spec=BITCs21nor.data=datBITCretINSA BITCs21norFIT
BITCe11norFIT<-uqarchfit(spec=BITCe11nor.data=datBITCretINSA BITCe11norFIT
BITCe22norFIT<-uqarchfit(spec=BITCe22nor.data=datBITCretINSA BITCe22norFIT
BITCe12norFIT<-uqarchfit(spec=BITCe12nor.data=datBITCretINSA BITCe12norFIT
BITCe21norFIT<-uqarchfit(spec=BITCe21nor.data=datBITCretINSA BITCe21norFIT
BITCg11norFIT<-uqarchfit(spec=BITCg11nor.data=datBITCretINSA BITCg11norFIT
BITCg22norFIT<-uqarchfit(spec=BITCg22nor.data=datBITCretINSA BITCg22norFIT
BITCg12norFIT<-uqarchfit(spec=BITCg12nor.data=datBITCretINSA BITCg12norFIT
BITCg21norFIT<-uqarchfit(spec=BITCg21nor.data=datBITCretINSA BITCg21norFIT
BITCi11norFIT<-uqarchfit(spec=BITCi11nor.data=datBITCretINSA BITCi11norFIT
BITCi22norFIT<-uqarchfit(spec=BITCi22nor.data=datBITCretINSA BITCi22norFIT
BITCi12norFIT<-uqarchfit(spec=BITCi12nor.data=datBITCretINSA BITCi12norFIT
BITCi21norFIT<-uqarchfit(spec=BITCi21nor.data=datBITCretINSA BITCi21norFIT
BITCc11norFIT<-uqarchfit(spec=BITCc11nor.data=datBITCretINSA BITCc11norFIT
BITCc22norFIT<-uqarchfit(spec=BITCc22nor.data=datBITCretINSA BITCc22norFIT
BITCc12norFIT<-uqarchfit(spec=BITCc12nor.data=datBITCretINSA BITCc12norFIT
BITCc21norFIT<-uqarchfit(spec=BITCc21nor.data=datBITCretINSA BITCc21norFIT

##LitecoinFIT
LITCs11gedFIT<-uqarchfit(spec=LITCs11ged,data=datLITCretINSA LITCs11gedFIT
LITCs22gedFIT<-uqarchfit(spec=LITCs22ged,data=datLITCretINSA LITCs22gedFIT
LITCs12gedFIT<-uqarchfit(spec=LITCs12ged,data=datLITCretINSA LITCs12gedFIT
LITCs21gedFIT<-uqarchfit(spec=LITCs21ged,data=datLITCretINSA LITCs21gedFIT
LITCe11gedFIT<-uqarchfit(spec=LITCe11ged,data=datLITCretINSA LITCe11gedFIT
LITCe22gedFIT<-uqarchfit(spec=LITCe22ged,data=datLITCretINSA LITCe22gedFIT
LITCe12gedFIT<-uqarchfit(spec=LITCe12ged,data=datLITCretINSA LITCe12gedFIT
LITCe21edFIT<-uqarchfit(spec=LITCe21ed.data=datLITCretINSA LITCe21gedFIT
LITCe11edFIT<-uqarchfit(spec=LITCe11ed.data=datLITCretINSA LITCg11gedFIT
LITCe22edFIT<-uqarchfit(spec=LITCe22ed.data=datLITCretINSA LITCg22gedFIT
LITCe12edFIT<-uqarchfit(spec=LITCe12ed.data=datLITCretINSA LITCg12gedFIT
LITCe21edFIT<-uqarchfit(spec=LITCe21ed.data=datLITCretINSA LITCg21gedFIT
LITCi11edFIT<-uqarchfit(spec=LITCi11ed.data=datLITCretINSA LITCi11gedFIT
LITCi22edFIT<-uqarchfit(spec=LITCi22ed.data=datLITCretINSA LITCi22gedFIT
LITCi12edFIT<-uqarchfit(spec=LITCi12ed.data=datLITCretINSA LITCi12gedFIT
LITCi21gedFIT<-uqarchfit(spec=LITCi21ged,data=datLITCretINSA LITCi21gedFIT
LITCc11gedFIT<-uqarchfit(spec=LITCc11ged,data=datLITCretINSA LITCc11gedFIT
LITCc22gedFIT<-uqarchfit(spec=LITCc22ged,data=datLITCretINSA LITCc22gedFIT
LITCc12gedFIT<-uqarchfit(spec=LITCc12ged,data=datLITCretINSA LITCc12gedFIT
LITCc21edFIT<-uqarchfit(spec=LITCc21ed.data=datLITCretINSA LITCc21gedFIT

LITCs11stdFIT<-uqarchfit(spec=LITCs11std.data=datLITCretINSA LITCs11stdFIT
LITCs22stdFIT<-uqarchfit(spec=LITCs22std.data=datLITCretINSA LITCs22stdFIT
LITCs12stdFIT<-uqarchfit(spec=LITCs12std.data=datLITCretINSA LITCs12stdFIT
LITCs21stdFIT<-uqarchfit(spec=LITCs21std.data=datLITCretINSA LITCs21stdFIT
LITCe11stdFIT<-uqarchfit(spec=LITCe11std.data=datLITCretINSA LITCe11stdFIT
LITCe22stdFIT<-uqarchfit(spec=LITCe22std.data=datLITCretINSA LITCe22stdFIT
LITCe12stdFIT<-uqarchfit(spec=LITCe12std.data=datLITCretINSA LITCe12stdFIT
LITCe21stdFIT<-uqarchfit(spec=LITCe21std.data=datLITCretINSA LITCe21stdFIT
LITCg11stdFIT<-uqarchfit(spec=LITCg11std.data=datLITCretINSA LITCg11stdFIT
LITCg22stdFIT<-uqarchfit(spec=LITCg22std.data=datLITCretINSA LITCg22stdFIT
LITCg12stdFIT<-uqarchfit(spec=LITCg12std.data=datLITCretINSA LITCg12stdFIT
LITCg21stdFIT<-uqarchfit(spec=LITCg21std.data=datLITCretINSA LITCg21stdFIT
LITCi11stdFIT<-uqarchfit(spec=LITCi11std.data=datLITCretINSA LITCi11stdFIT
LITCi22stdFIT<-uqarchfit(spec=LITCi22std.data=datLITCretINSA LITCi22stdFIT
LITCi12stdFIT<-uqarchfit(spec=LITCi12std.data=datLITCretINSA LITCi12stdFIT
LITCi21stdFIT<-uqarchfit(spec=LITCi21std.data=datLITCretINSA LITCi21stdFIT
LITCc11stdFIT<-uqarchfit(spec=LITCc11std.data=datLITCretINSA LITCc11stdFIT
LITCc22stdFIT<-uqarchfit(spec=LITCc22std.data=datLITCretINSA LITCc22stdFIT
LITCc12stdFIT<-uqarchfit(spec=LITCc12std.data=datLITCretINSA LITCc12stdFIT
LITCc21stdFIT<-uqarchfit(spec=LITCc21std.data=datLITCretINSA LITCc21stdFIT

LITCs11norFIT<-uqarchfit(spec=LITCs11nor,data=datLITCretINSA LITCs11norFIT
LITCs22norFIT<-uqarchfit(spec=LITCs22nor.data=datLITCretINSA LITCs22norFIT
LITCs12norFIT<-uqarchfit(spec=LITCs12nor.data=datLITCretINSA LITCs12norFIT
LITCs21norFIT<-uqarchfit(spec=LITCs21nor.data=datLITCretINSA LITCs21norFIT
LITCe11norFIT<-uqarchfit(spec=LITCe11nor.data=datLITCretINSA LITCe11norFIT
LITCe22norFIT<-uqarchfit(spec=LITCe22nor.data=datLITCretINSA LITCe22norFIT
LITCe12norFIT<-uqarchfit(spec=LITCe12nor.data=datLITCretINSA LITCe12norFIT
LITCe21norFIT<-uqarchfit(spec=LITCe21nor.data=datLITCretINSA LITCe21norFIT
LITCe11norFIT<-uqarchfit(spec=LITCe11nor.data=datLITCretINSA LITCg11norFIT
LITCe22norFIT<-uqarchfit(spec=LITCe22nor.data=datLITCretINSA LITCg22norFIT
LITCg12norFIT<-uqarchfit(spec=LITCg12nor.data=datLITCretINSA LITCg12norFIT
LITCg21norFIT<-uqarchfit(spec=LITCg21nor.data=datLITCretINSA LITCg21norFIT
LITCi11norFIT<-uqarchfit(spec=LITCi11nor.data=datLITCretINSA LITCi11norFIT
LITCi22norFIT<-uqarchfit(spec=LITCi22nor.data=datLITCretINSA LITCi22norFIT
LITCi12norFIT<-uqarchfit(spec=LITCi12nor.data=datLITCretINSA LITCi12norFIT
LITCi21norFIT<-uqarchfit(spec=LITCi21nor.data=datLITCretINSA LITCi21norFIT
LITCc11norFIT<-uqarchfit(spec=LITCc11nor.data=datLITCretINSA LITCc11norFIT
LITCc22norFIT<-uqarchfit(spec=LITCc22nor.data=datLITCretINSA LITCc22norFIT
LITCc12norFIT<-uqarchfit(spec=LITCc12nor.data=datLITCretINSA LITCc12norFIT
LITCc21norFIT<-uqarchfit(spec=LITCc21nor.data=datLITCretINSA LITCc21norFIT

##REXFIT
GREXs11gedFIT<-uqarchfit(spec=GREXs11ged,data=datGREXretINSA GREXs11gedFIT
GREXs22gedFIT<-uqarchfit(spec=GREXs22ged,data=datGREXretINSA GREXs22gedFIT
GREXs12gedFIT<-uqarchfit(spec=GREXs12ged,data=datGREXretINSA GREXs12gedFIT
GREXs21gedFIT<-uqarchfit(spec=GREXs21ged,data=datGREXretINSA GREXs21gedFIT
GREXe11gedFIT<-uqarchfit(spec=GREXe11ged,data=datGREXretINSA GREXe11gedFIT
```

```
GREXe22gedFIT<-ugarchfit(spec=GREXe22ged,data=datGREXretINSA GREXe22gedFIT
GREXe12edFIT<-ugarchfit(spec=GREXe12eed,data=datGREXretINSA GREXe12gedFIT
GREXe21edFIT<-ugarchfit(spec=GREXe21eed,data=datGREXretINSA GREXe21gedFIT
GREXe11edFIT<-ugarchfit(spec=GREXe11eed,data=datGREXretINSA GREXg11gedFIT
GREXe22edFIT<-ugarchfit(spec=GREXe22eed,data=datGREXretINSA GREXg22gedFIT
GREXe12edFIT<-ugarchfit(spec=GREXe12eed,data=datGREXretINSA GREXg12gedFIT
GREXe21edFIT<-ugarchfit(spec=GREXe21eed,data=datGREXretINSA GREXg21gedFIT
GREXi11gedFIT<-ugarchfit(spec=GREXi11ged,data=datGREXretINSA GREXi11gedFIT
GREXi12gedFIT<-ugarchfit(spec=GREXi12ged,data=datGREXretINSA GREXi12gedFIT
GREXi12gedFIT<-ugarchfit(spec=GREXi12ged,data=datGREXretINSA GREXi12gedFIT
GREXi21gedFIT<-ugarchfit(spec=GREXi21ged,data=datGREXretINSA GREXi21gedFIT
GREXc11gedFIT<-ugarchfit(spec=GREXc11ged,data=datGREXretINSA GREXc11gedFIT
GREXc22gedFIT<-ugarchfit(spec=GREXc22ged,data=datGREXretINSA GREXc22gedFIT
GREXc12gedFIT<-ugarchfit(spec=GREXc12ged,data=datGREXretINSA GREXc12gedFIT
GREXc21edFIT<-ugarchfit(spec=GREXc21eed,data=datGREXretINSA GREXc21gedFIT

GREXs11stdFIT<-ugarchfit(spec=GREXs11std,data=datGREXretINSA GREXs11stdFIT
GREXs22stdFIT<-ugarchfit(spec=GREXs22std,data=datGREXretINSA GREXs22stdFIT
GREXs12stdFIT<-ugarchfit(spec=GREXs12std,data=datGREXretINSA GREXs12stdFIT
GREXs21stdFIT<-ugarchfit(spec=GREXs21std,data=datGREXretINSA GREXs21stdFIT
GREXe11stdFIT<-ugarchfit(spec=GREXe11std,data=datGREXretINSA GREXe11stdFIT
GREXe22stdFIT<-ugarchfit(spec=GREXe22std,data=datGREXretINSA GREXe22stdFIT
GREXe12stdFIT<-ugarchfit(spec=GREXe12std,data=datGREXretINSA GREXe12stdFIT
GREXe21stdFIT<-ugarchfit(spec=GREXe21std,data=datGREXretINSA GREXe21stdFIT
GREXg11stdFIT<-ugarchfit(spec=GREXg11std,data=datGREXretINSA GREXg11stdFIT
GREXg22stdFIT<-ugarchfit(spec=GREXg22std,data=datGREXretINSA GREXg22stdFIT
GREXg12stdFIT<-ugarchfit(spec=GREXg12std,data=datGREXretINSA GREXg12stdFIT
GREXe21stdFIT<-ugarchfit(spec=GREXe21std,data=datGREXretINSA GREXg21stdFIT
GREXi11stdFIT<-ugarchfit(spec=GREXi11std,data=datGREXretINSA GREXi11stdFIT
GREXi12stdFIT<-ugarchfit(spec=GREXi12std,data=datGREXretINSA GREXi12stdFIT
GREXi12stdFIT<-ugarchfit(spec=GREXi12std,data=datGREXretINSA GREXi12stdFIT
GREXi21stdFIT<-ugarchfit(spec=GREXi21std,data=datGREXretINSA GREXi21stdFIT
GREXc11stdFIT<-ugarchfit(spec=GREXc11std,data=datGREXretINSA GREXc11stdFIT
GREXc22stdFIT<-ugarchfit(spec=GREXc22std,data=datGREXretINSA GREXc22stdFIT
GREXc12stdFIT<-ugarchfit(spec=GREXc12std,data=datGREXretINSA GREXc12stdFIT
GREXc21stdFIT<-ugarchfit(spec=GREXc21std,data=datGREXretINSA GREXc21stdFIT

GREXs11norFIT<-ugarchfit(spec=GREXs11nor,data=datGREXretINSA GREXs11norFIT
GREXs22norFIT<-ugarchfit(spec=GREXs22nor,data=datGREXretINSA GREXs22norFIT
GREXs12norFIT<-ugarchfit(spec=GREXs12nor,data=datGREXretINSA GREXs12norFIT
GREXs21norFIT<-ugarchfit(spec=GREXs21nor,data=datGREXretINSA GREXs21norFIT
GREXe11norFIT<-ugarchfit(spec=GREXe11nor,data=datGREXretINSA GREXe11norFIT
GREXe22norFIT<-ugarchfit(spec=GREXe22nor,data=datGREXretINSA GREXe22norFIT
GREXe12norFIT<-ugarchfit(spec=GREXe12nor,data=datGREXretINSA GREXe12norFIT
GREXe21norFIT<-ugarchfit(spec=GREXe21nor,data=datGREXretINSA GREXe21norFIT
GREXe11norFIT<-ugarchfit(spec=GREXe11nor,data=datGREXretINSA GREXg11norFIT
GREXe22norFIT<-ugarchfit(spec=GREXe22nor,data=datGREXretINSA GREXg22norFIT
GREXg12norFIT<-ugarchfit(spec=GREXg12nor,data=datGREXretINSA GREXg12norFIT
GREXg21norFIT<-ugarchfit(spec=GREXg21nor,data=datGREXretINSA GREXg21norFIT
GREXi11norFIT<-ugarchfit(spec=GREXi11nor,data=datGREXretINSA GREXi11norFIT
GREXi12norFIT<-ugarchfit(spec=GREXi12nor,data=datGREXretINSA GREXi12norFIT
GREXi12norFIT<-ugarchfit(spec=GREXi12nor,data=datGREXretINSA GREXi12norFIT
GREXi21norFIT<-ugarchfit(spec=GREXi21nor,data=datGREXretINSA GREXi21norFIT
GREXc11norFIT<-ugarchfit(spec=GREXc11nor,data=datGREXretINSA GREXc11norFIT
GREXc22norFIT<-ugarchfit(spec=GREXc22nor,data=datGREXretINSA GREXc22norFIT
GREXc12norFIT<-ugarchfit(spec=GREXc12nor,data=datGREXretINSA GREXc12norFIT
GREXc21norFIT<-ugarchfit(spec=GREXc21nor,data=datGREXretINSA GREXc21norFIT

##DAX Private Equity FIT
DAXPs11edFIT<-ugarchfit(spec=DAXPs11eed,data=datDAXPretINSA DAXPs11gedFIT
DAXPs22gedFIT<-ugarchfit(spec=DAXPs22ged,data=datDAXPretINSA DAXPs22gedFIT
DAXPs12gedFIT<-ugarchfit(spec=DAXPs12ged,data=datDAXPretINSA DAXPs12gedFIT
DAXPs21gedFIT<-ugarchfit(spec=DAXPs21ged,data=datDAXPretINSA DAXPs21gedFIT
DAXPe11gedFIT<-ugarchfit(spec=DAXPe11ged,data=datDAXPretINSA DAXPe11gedFIT
DAXPe22gedFIT<-ugarchfit(spec=DAXPe22ged,data=datDAXPretINSA DAXPe22gedFIT
DAXPe12gedFIT<-ugarchfit(spec=DAXPe12ged,data=datDAXPretINSA DAXPe12gedFIT
DAXPe21edFIT<-ugarchfit(spec=DAXPe21eed,data=datDAXPretINSA DAXPe21gedFIT
DAXPe11edFIT<-ugarchfit(spec=DAXPe11eed,data=datDAXPretINSA DAXPg11gedFIT
DAXPe22edFIT<-ugarchfit(spec=DAXPe22eed,data=datDAXPretINSA DAXPg22gedFIT
DAXPe12edFIT<-ugarchfit(spec=DAXPe12eed,data=datDAXPretINSA DAXPg12gedFIT
DAXPe21edFIT<-ugarchfit(spec=DAXPe21eed,data=datDAXPretINSA DAXPg21gedFIT
DAXPi11edFIT<-ugarchfit(spec=DAXPi11eed,data=datDAXPretINSA DAXPi11gedFIT
DAXPi22edFIT<-ugarchfit(spec=DAXPi22eed,data=datDAXPretINSA DAXPi22gedFIT
DAXPi12edFIT<-ugarchfit(spec=DAXPi12ged,data=datDAXPretINSA DAXPi12gedFIT
DAXPi21gedFIT<-ugarchfit(spec=DAXPi21ged,data=datDAXPretINSA DAXPi21gedFIT
DAXPc11gedFIT<-ugarchfit(spec=DAXPc11ged,data=datDAXPretINSA DAXPc11gedFIT
DAXPc22gedFIT<-ugarchfit(spec=DAXPc22ged,data=datDAXPretINSA DAXPc22gedFIT
DAXPc12gedFIT<-ugarchfit(spec=DAXPc12ged,data=datDAXPretINSA DAXPc12gedFIT
DAXPc21gedFIT<-ugarchfit(spec=DAXPc21ged,data=datDAXPretINSA DAXPc21gedFIT

DAXPs11stdFIT<-ugarchfit(spec=DAXPs11std,data=datDAXPretINSA DAXPs11stdFIT
DAXPs22stdFIT<-ugarchfit(spec=DAXPs22std,data=datDAXPretINSA DAXPs22stdFIT
DAXPs12stdFIT<-ugarchfit(spec=DAXPs12std,data=datDAXPretINSA DAXPs12stdFIT
DAXPs21stdFIT<-ugarchfit(spec=DAXPs21std,data=datDAXPretINSA DAXPs21stdFIT
DAXPe11stdFIT<-ugarchfit(spec=DAXPe11std,data=datDAXPretINSA DAXPe11stdFIT
DAXPe22stdFIT<-ugarchfit(spec=DAXPe22std,data=datDAXPretINSA DAXPe22stdFIT
DAXPe12stdFIT<-ugarchfit(spec=DAXPe12std,data=datDAXPretINSA DAXPe12stdFIT
DAXPe21stdFIT<-ugarchfit(spec=DAXPe21std,data=datDAXPretINSA DAXPe21stdFIT
DAXPg11stdFIT<-ugarchfit(spec=DAXPg11std,data=datDAXPretINSA DAXPg11stdFIT
DAXPg22stdFIT<-ugarchfit(spec=DAXPg22std,data=datDAXPretINSA DAXPg22stdFIT
DAXPg12stdFIT<-ugarchfit(spec=DAXPg12std,data=datDAXPretINSA DAXPg12stdFIT
DAXPg21stdFIT<-ugarchfit(spec=DAXPg21std,data=datDAXPretINSA DAXPg21stdFIT
DAXPi11stdFIT<-ugarchfit(spec=DAXPi11std,data=datDAXPretINSA DAXPi11stdFIT
DAXPi22stdFIT<-ugarchfit(spec=DAXPi22std,data=datDAXPretINSA DAXPi22stdFIT
DAXPi12stdFIT<-ugarchfit(spec=DAXPi12std,data=datDAXPretINSA DAXPi12stdFIT
DAXPi21stdFIT<-ugarchfit(spec=DAXPi21std,data=datDAXPretINSA DAXPi21stdFIT
DAXPc11stdFIT<-ugarchfit(spec=DAXPc11std,data=datDAXPretINSA DAXPc11stdFIT
DAXPc22stdFIT<-ugarchfit(spec=DAXPc22std,data=datDAXPretINSA DAXPc22stdFIT
DAXPc12stdFIT<-ugarchfit(spec=DAXPc12std,data=datDAXPretINSA DAXPc12stdFIT
DAXPc21stdFIT<-ugarchfit(spec=DAXPc21std,data=datDAXPretINSA DAXPc21stdFIT

DAXPs11norFIT<-ugarchfit(spec=DAXPs11nor,data=datDAXPretINSA DAXPs11norFIT
DAXPs22norFIT<-ugarchfit(spec=DAXPs22nor,data=datDAXPretINSA DAXPs22norFIT
DAXPs12norFIT<-ugarchfit(spec=DAXPs12nor,data=datDAXPretINSA DAXPs12norFIT
DAXPs21norFIT<-ugarchfit(spec=DAXPs21nor,data=datDAXPretINSA DAXPs21norFIT
DAXPe11norFIT<-ugarchfit(spec=DAXPe11nor,data=datDAXPretINSA DAXPe11norFIT
DAXPe22norFIT<-ugarchfit(spec=DAXPe22nor,data=datDAXPretINSA DAXPe22norFIT
DAXPe12norFIT<-ugarchfit(spec=DAXPe12nor,data=datDAXPretINSA DAXPe12norFIT
DAXPe21norFIT<-ugarchfit(spec=DAXPe21nor,data=datDAXPretINSA DAXPe21norFIT
DAXPg11norFIT<-ugarchfit(spec=DAXPe11nor,data=datDAXPretINSA DAXPg11norFIT
DAXPg22norFIT<-ugarchfit(spec=DAXPe22nor,data=datDAXPretINSA DAXPg22norFIT
DAXPg12norFIT<-ugarchfit(spec=DAXPe12nor,data=datDAXPretINSA DAXPg12norFIT
DAXPg21norFIT<-ugarchfit(spec=DAXPe21nor,data=datDAXPretINSA DAXPg21norFIT
DAXPi11norFIT<-ugarchfit(spec=DAXPi11nor,data=datDAXPretINSA DAXPi11norFIT
DAXPi22norFIT<-ugarchfit(spec=DAXPi22nor,data=datDAXPretINSA DAXPi22norFIT
DAXPi12norFIT<-ugarchfit(spec=DAXPi12nor,data=datDAXPretINSA DAXPi12norFIT
DAXPi21norFIT<-ugarchfit(spec=DAXPi21nor,data=datDAXPretINSA DAXPi21norFIT
DAXPc11norFIT<-ugarchfit(spec=DAXPc11nor,data=datDAXPretINSA DAXPc11norFIT
DAXPc22norFIT<-ugarchfit(spec=DAXPc22nor,data=datDAXPretINSA DAXPc22norFIT
DAXPc12norFIT<-ugarchfit(spec=DAXPc12nor,data=datDAXPretINSA DAXPc12norFIT
DAXPc21norFIT<-ugarchfit(spec=DAXPc21nor,data=datDAXPretINSA DAXPc21norFIT
```

DIGITAL APPENDIX N

N_[CODE_MCNEIL & FREY BACKTEST]_Chapter 4.7._Remaining GARCH Models and Diagnostics

	Value at Risk student t Distribution	Extract Data
DJACe11gedFIT	DJACe11gedVRST<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe11gedVRST
DJACe12gedFIT	DJACe12gedVRST<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe12gedVRST
DJACe11stFIT	DJACe11stVRST<-DJACe11stFORE@forecast$series+DJACe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe11stVRST
DJACe12stFIT	DJACe12stVRST<-DJACe12stFORE@forecast$series+DJACe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe12stVRST
DJACe1norFIT	DJACe1norVRST<-DJACe1norFORE@forecast$series+DJACe1norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe1norVRST
DJACe2norFIT	DJACe2norVRST<-DJACe2norFORE@forecast$series+DJACe2norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe2norVRST
DJALs11gedFIT	DJALs11gedVRST<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALs11gedVRST
DJALe11gedFIT	DJALe11gedVRST<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe11gedVRST
DJALe12gedFIT	DJALe12gedVRST<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe12gedVRST
DJALc11gedFIT	DJALc11gedVRST<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALc11gedVRST
DJALe11stFIT	DJALe11stVRST<-DJALe11stFORE@forecast$series+DJALe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe11stVRST
DJALg11stFIT	DJALg11stVRST<-DJALg11stFORE@forecast$series+DJALg11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALg11stVRST
DJALe11norFIT	DJALe11norVRST<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe11norVRST
DJALe12norFIT	DJALe12norVRST<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe12norVRST
DJCCe11gedFIT	DJCCe11gedVRST<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCe11gedVRST
DJCCe12gedFIT	DJCCe12gedVRST<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCe12gedVRST
DJCCs11stFIT	DJCCs11stVRST<-DJCCs11stFORE@forecast$series+DJCCs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCs11stVRST
DJCCe11stFIT	DJCCe11stVRST<-DJCCe11stFORE@forecast$series+DJCCe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCe11stVRST
DJCFe22gedFIT	DJCFe22gedVRST<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe22gedVRST
DJCFe12gedFIT	DJCFe12gedVRST<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe12gedVRST
DJCFg21gedFIT	DJCFg21gedVRST<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFg21gedVRST
DJCFe21stFIT	DJCFe21stVRST<-DJCFe21stFORE@forecast$series+DJCFe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe21stVRST
DJCFe11norFIT	DJCFe11norVRST<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe11norVRST
DJCFe22norFIT	DJCFe22norVRST<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe22norVRST
DJCFe12norFIT	DJCFe12norVRST<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe12norVRST
DJCFe21norFIT	DJCFe21norVRST<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe21norVRST
DJCFg22norFIT	DJCFg22norVRST<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFg22norVRST
DJCFg21norFIT	DJCFg21norVRST<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFg21norVRST
DJCPe22stFIT	DJCPe22stVRST<-DJCPe22stFORE@forecast$series+DJCPe22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCPe22stVRST
DJCPe21stFIT	DJCPe21stVRST<-DJCPe21stFORE@forecast$series+DJCPe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCPe21stVRST
DJCTg22gedFIT	DJCTg22gedVRST<-DJCTg22gedFORE@forecast$series+DJCTg22gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTg22gedVRST
DJCTs12stFIT	DJCTs12stVRST<-DJCTs12stFORE@forecast$series+DJCTs12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTs12stVRST
DJCTe12stFIT	DJCTe12stVRST<-DJCTe12stFORE@forecast$series+DJCTe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTe12stVRST
DJCTe11norFIT	DJCTe11norVRST<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTe11norVRST
DJCTe12norFIT	DJCTe12norVRST<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTe12norVRST
DJCTg12norFIT	DJCTg12norVRST<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTg12norVRST
DJNIs11stFIT	DJNIs11stVRST<-DJNIs11stFORE@forecast$series+DJNIs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIs11stVRST
DJNIe21stFIT	DJNIe21stVRST<-DJNIe21stFORE@forecast$series+DJNIe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIe21stVRST
DJNIe11norFIT	DJNIe11norVRST<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIe11norVRST
DJNIe22norFIT	DJNIe22norVRST<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIe22norVRST
DJSIg12gedFIT	DJSIg12gedVRST<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIg12gedVRST
DJSIs11stFIT	DJSIs11stVRST<-DJSIs11stFORE@forecast$series+DJSIs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIs11stVRST
DJSIg11stFIT	DJSIg11stVRST<-DJSIg11stFORE@forecast$series+DJSIg11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIg11stVRST
DJSIc11stFIT	DJSIc11stVRST<-DJSIc11stFORE@forecast$series+DJSIc11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIc11stVRST
DJSUs11stFIT	DJSUs11stVRST<-DJSUs11stFORE@forecast$series+DJSUs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUs11stVRST
DJSUe22stFIT	DJSUe22stVRST<-DJSUe22stFORE@forecast$series+DJSUe22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUe22stVRST
DJSUe21stFIT	DJSUe21stVRST<-DJSUe21stFORE@forecast$series+DJSUe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUe21stVRST
DJSUg22stFIT	DJSUg22stVRST<-DJSUg22stFORE@forecast$series+DJSUg22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUg22stVRST
DJSUg21stFIT	DJSUg21stVRST<-DJSUg21stFORE@forecast$series+DJSUg21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUg21stVRST
DJSUs12norFIT	DJSUs12norVRST<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUs12norVRST
DJWEe11gedFIT	DJWEe11gedVRST<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe11gedVRST
DJWEe12gedFIT	DJWEe12gedVRST<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe12gedVRST
DJWEe11stFIT	DJWEe11stVRST<-DJWEe11stFORE@forecast$series+DJWEe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe11stVRST
DJWEe12stFIT	DJWEe12stVRST<-DJWEe12stFORE@forecast$series+DJWEe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe12stVRST
DJWEe11norFIT	DJWEe11norVRST<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe11norVRST
DJWEe12norFIT	DJWEe12norVRST<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe12norVRST
DJWEg11norFIT	DJWEg11norVRST<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEg11norVRST
DJZIe22stFIT	DJZIe22stVRST<-DJZIe22stFORE@forecast$series+DJZIe22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe22stVRST
DJZIe21stFIT	DJZIe21stVRST<-DJZIe21stFORE@forecast$series+DJZIe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe21stVRST
DJZIs11norFIT	DJZIs11norVRST<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIs11norVRST
DJZIe11norFIT	DJZIe11norVRST<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe11norVRST
DJZIe12norFIT	DJZIe12norVRST<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe12norVRST
DJZIg12norFIT	DJZIg12norVRST<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIg12norVRST
DJLHe11gedFIT	DJLHe11gedVRST<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe11gedVRST
DJLHe12gedFIT	DJLHe12gedVRST<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe12gedVRST
DJLHe11stFIT	DJLHe11stVRST<-DJLHe11stFORE@forecast$series+DJLHe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe11stVRST
DJLHe12stFIT	DJLHe12stVRST<-DJLHe12stFORE@forecast$series+DJLHe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe12stVRST
DJLHe11norFIT	DJLHe11norVRST<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe11norVRST
DJLHe12norFIT	DJLHe12norVRST<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe12norVRST
DJNGe21stFIT	DJNGe21stVRST<-DJNGe21stFORE@forecast$series+DJNGe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNGe21stVRST
DJNGe12norFIT	DJNGe12norVRST<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNGe12norVRST
DJPEe11gedFIT	DJPEe11gedVRST<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe11gedVRST
DJPEe12gedFIT	DJPEe12gedVRST<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe12gedVRST
DJPEe11stFIT	DJPEe11stVRST<-DJPEe11stFORE@forecast$series+DJPEe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe11stVRST
DJPEe12stFIT	DJPEe12stVRST<-DJPEe12stFORE@forecast$series+DJPEe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe12stVRST
DJPEe11norFIT	DJPEe11norVRST<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe11norVRST
DJPEe12norFIT	DJPEe12norVRST<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe12norVRST
DJSOe22gedFIT	DJSOe22gedVRST<-DJSOe22gedFORE@forecast$series+DJSOe22gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe22gedVRST
DJSOe21stFIT	DJSOe21stVRST<-DJSOe21stFORE@forecast$series+DJSOe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe21stVRST
DJSOe11norFIT	DJSOe11norVRST<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe11norVRST
DJSOe22norFIT	DJSOe22norVRST<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe22norVRST
DJSOe21norFIT	DJSOe21norVRST<-DJSOe21norFORE@forecast$series+DJSOe21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe21norVRST
SEFPs11gedFIT	SEFPs11gedVRST<-SEFPs11gedFORE@forecast$series+SEFPs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPs11gedVRST
SEFPe11gedFIT	SEFPe11gedVRST<-SEFPe11gedFORE@forecast$series+SEFPe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe11gedVRST
SEFPe12gedFIT	SEFPe12gedVRST<-SEFPe12gedFORE@forecast$series+SEFPe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe12gedVRST
SEFPe11stFIT	SEFPe11stVRST<-SEFPe11stFORE@forecast$series+SEFPe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe11stVRST
SEFPe12stFIT	SEFPe12stVRST<-SEFPe12stFORE@forecast$series+SEFPe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe12stVRST
SEFPs11norFIT	SEFPs11norVRST<-SEFPs11norFORE@forecast$series+SEFPs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPs11norVRST
SEFPe11norFIT	SEFPe11norVRST<-SEFPe11norFORE@forecast$series+SEFPe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe11norVRST
SEFPe12norFIT	SEFPe12norVRST<-SEFPe12norFORE@forecast$series+SEFPe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe12norVRST
SEECs11gedFIT	SEECs11gedVRST<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECs11gedVRST
SEECe11gedFIT	SEECe11gedVRST<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe11gedVRST
SEECe12gedFIT	SEECe12gedVRST<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe12gedVRST
SEECe12stFIT	SEECe12stVRST<-SEECe12stFORE@forecast$series+SEECe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe12stVRST
SEECs11norFIT	SEECs11norVRST<-SEECs11norFORE@forecast$series+SEECs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECs11norVRST
SEECe12norFIT	SEECe12norVRST<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe12norVRST
SEFLe11gedFIT	SEFLe11gedVRST<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLe11gedVRST
SEFLg11gedFIT	SEFLg11gedVRST<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLg11gedVRST
SEFLe11norFIT	SEFLe11norVRST<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLe11norVRST
SEFLe12norFIT	SEFLe12norVRST<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLe12norVRST
SEUTe11gedFIT	SEUTe11gedVRST<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe11gedVRST
SEUTe12gedFIT	SEUTe12gedVRST<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe12gedVRST
SEUTc11gedFIT	SEUTc11gedVRST<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTc11gedVRST
SEUTe11stFIT	SEUTe11stVRST<-SEUTe11stFORE@forecast$series+SEUTe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe11stVRST
SEUTc11stFIT	SEUTc11stVRST<-SEUTc11stFORE@forecast$series+SEUTc11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTc11stVRST
SEUTe11norFIT	SEUTe11norVRST<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe11norVRST
SEUTe12norFIT	SEUTe12norVRST<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe12norVRST
SETRe11gedFIT	SETRe11gedVRST<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRe11gedVRST
SETRs11norFIT	SETRs11norVRST<-SETRs11norFORE@forecast$series+SETRs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRs11norVRST
SETRe11norFIT	SETRe11norVRST<-SETRe11norFORE@forecast$series+SETRe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRe11norVRST
SETRe12norFIT	SETRe12norVRST<-SETRe12norFORE@forecast$series+SETRe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRe12norVRST
SETRg12norFIT	SETRg12norVRST<-SETRg12norFORE@forecast$series+SETRg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRg12norVRST
SEMOe11gedFIT	SEMOe11gedVRST<-SEMOe11gedFORE@forecast$series+SEMOe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOe11gedVRST
SEMOe12gedFIT	SEMOe12gedVRST<-SEMOe12gedFORE@forecast$series+SEMOe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOe12gedVRST
SEMOs11stFIT	SEMOs11stVRST<-SEMOs11stFORE@forecast$series+SEMOs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOs11stVRST
SEMOe11norFIT	SEMOe11norVRST<-SEMOe11norFORE@forecast$series+SEMOe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOe11norVRST
SEOGe11gedFIT	SEOGe11gedVRST<-SEOGe11gedFORE@forecast$series+SEOGe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe11gedVRST
SEOGe12gedFIT	SEOGe12gedVRST<-SEOGe12gedFORE@forecast$series+SEOGe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe12gedVRST
SEOGe11stFIT	SEOGe11stVRST<-SEOGe11stFORE@forecast$series+SEOGe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe11stVRST
SEOGe11norFIT	SEOGe11norVRST<-SEOGe11norFORE@forecast$series+SEOGe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe11norVRST
SEOGe12norFIT	SEOGe12norVRST<-SEOGe12norFORE@forecast$series+SEOGe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe12norVRST
SEOEe11gedFIT	SEOEe11gedVRST<-SEOEe11gedFORE@forecast$series+SEOEe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe11gedVRST
SEOEe12gedFIT	SEOEe12gedVRST<-SEOEe12gedFORE@forecast$series+SEOEe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe12gedVRST
SEOEe11stFIT	SEOEe11stVRST<-SEOEe11stFORE@forecast$series+SEOEe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe11stVRST
SEOEe11norFIT	SEOEe11norVRST<-SEOEe11norFORE@forecast$series+SEOEe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe11norVRST
SEOEe12norFIT	SEOEe12norVRST<-SEOEe12norFORE@forecast$series+SEOEe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe12norVRST
SEAIs11gedFIT	SEAIs11gedVRST<-SEAIs11gedFORE@forecast$series+SEAIs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIs11gedVRST
SEAIe11gedFIT	SEAIe11gedVRST<-SEAIe11gedFORE@forecast$series+SEAIe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe11gedVRST
SEAIe12gedFIT	SEAIe12gedVRST<-SEAIe12gedFORE@forecast$series+SEAIe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe12gedVRST
SEAIe11stFIT	SEAIe11stVRST<-SEAIe11stFORE@forecast$series+SEAIe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe11stVRST
SEAIs11norFIT	SEAIs11norVRST<-SEAIs11norFORE@forecast$series+SEAIs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIs11norVRST
SEAIs12norFIT	SEAIs12norVRST<-SEAIs12norFORE@forecast$series+SEAIs12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIs12norVRST
SEAIe11norFIT	SEAIe11norVRST<-SEAIe11norFORE@forecast$series+SEAIe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe11norVRST
SEAIc12norFIT	SEAIc12norVRST<-SEAIc12norFORE@forecast$series+SEAIc12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIc12norVRST
SEISe11gedFIT	SEISe11gedVRST<-SEISe11gedFORE@forecast$series+SEISe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe11gedVRST
SEISe12gedFIT	SEISe12gedVRST<-SEISe12gedFORE@forecast$series+SEISe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe12gedVRST
SEISe11stFIT	SEISe11stVRST<-SEISe11stFORE@forecast$series+SEISe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe11stVRST
SEISe12stFIT	SEISe12stVRST<-SEISe12stFORE@forecast$series+SEISe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe12stVRST
SEISe11norFIT	SEISe11norVRST<-SEISe11norFORE@forecast$series+SEISe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe11norVRST
SEISe22norFIT	SEISe22norVRST<-SEISe22norFORE@forecast$series+SEISe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe22norVRST
SEISe12norFIT	SEISe12norVRST<-SEISe12norFORE@forecast$series+SEISe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe12norVRST
SEISg11norFIT	SEISg11norVRST<-SEISg11norFORE@forecast$series+SEISg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISg11norVRST
SEISg12norFIT	SEISg12norVRST<-SEISg12norFORE@forecast$series+SEISg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISg12norVRST
SEREe11gedFIT	SEREe11gedVRST<-SEREe11gedFORE@forecast$series+SEREe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe11gedVRST
SEREe11stFIT	SEREe11stVRST<-SEREe11stFORE@forecast$series+SEREe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe11stVRST
SEREg11stFIT	SEREg11stVRST<-SEREg11stFORE@forecast$series+SEREg11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREg11stVRST
SEREe11norFIT	SEREe11norVRST<-SEREe11norFORE@forecast$series+SEREe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe11norVRST
SEREe12norFIT	SEREe12norVRST<-SEREe12norFORE@forecast$series+SEREe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe12norVRST
SEAEs11gedFIT	SEAEs11gedVRST<-SEAEs11gedFORE@forecast$series+SEAEs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.

LITCs11gedFIT	LITCs11gedVRST<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCs11gedVRST
LITCc11gedFIT	LITCc11gedVRST<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc11gedVRST
LITCc12gedFIT	LITCc12gedVRST<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc12gedVRST
LITCs11norFIT	LITCs11norVRST<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCs11norVRST
LITCe11norFIT	LITCe11norVRST<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCe11norVRST
LITCe12norFIT	LITCe12norVRST<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCe12norVRST
LITCe21norFIT	LITCe21norVRST<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCe21norVRST
LITCg11norFIT	LITCg11norVRST<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCg11norVRST
LITCc11norFIT	LITCc11norVRST<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc11norVRST
LITCc12norFIT	LITCc12norVRST<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc12norVRST
GREXe11gedFIT	GREXe11gedVRST<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	GREXe11gedVRST
GREXe12gedFIT	GREXe12gedVRST<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	GREXe12gedVRST
GREXe21gedFIT	GREXe21gedVRST<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	GREXe21gedVRST
DAXPs11gedFIT	DAXPs11gedVRST<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPs11gedVRST
DAXPs11stdFIT	DAXPs11stdVRST<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPs11stdVRST
DAXPs12norFIT	DAXPs12norVRST<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPs12norVRST
DAXPe11norFIT	DAXPe11norVRST<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPe11norVRST
DAXPg11norFIT	DAXPg11norVRST<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPg11norVRST

	Value at Risk student t Distribution	Extract Data
DJACe11gedFIT	DJACe11gedVRND<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe11gedVRND
DJACe12gedFIT	DJACe12gedVRND<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe12gedVRND
DJACe11stdFIT	DJACe11stdVRND<-DJACe11stdFORE@forecast$series+DJACe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe11stdVRND
DJACe12stdFIT	DJACe12stdVRND<-DJACe12stdFORE@forecast$series+DJACe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe12stdVRND
DJACe11norFIT	DJACe11norVRND<-DJACe11norFORE@forecast$series+DJACe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe11norVRND
DJACe12norFIT	DJACe12norVRND<-DJACe12norFORE@forecast$series+DJACe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe12norVRND
DJACe21norFIT	DJACe21norVRND<-DJACe21norFORE@forecast$series+DJACe21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe21norVRND
DJALs11gedFIT	DJALs11gedVRND<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALs11gedVRND
DJALe11gedFIT	DJALe11gedVRND<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe11gedVRND
DJALe12gedFIT	DJALe12gedVRND<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe12gedVRND
DJALc11gedFIT	DJALc11gedVRND<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALc11gedVRND
DJALe11stdFIT	DJALe11stdVRND<-DJALe11stdFORE@forecast$series+DJALe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe11stdVRND
DJALg11stdFIT	DJALg11stdVRND<-DJALg11stdFORE@forecast$series+DJALg11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJALg11stdVRND
DJALe11norFIT	DJALe11norVRND<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe11norVRND
DJALe12norFIT	DJALe12norVRND<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe12norVRND
DJCCe11gedFIT	DJCCe11gedVRND<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCe11gedVRND
DJCCe12gedFIT	DJCCe12gedVRND<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCe12gedVRND
DJCCs11stdFIT	DJCCs11stdVRND<-DJCCs11stdFORE@forecast$series+DJCCs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCs11stdVRND
DJCCe11stdFIT	DJCCe11stdVRND<-DJCCe11stdFORE@forecast$series+DJCCe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCe11stdVRND
DJCFe22gedFIT	DJCFe22gedVRND<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe22gedVRND
DJCFe12gedFIT	DJCFe12gedVRND<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe12gedVRND
DJCFg21gedFIT	DJCFg21gedVRND<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFg21gedVRND
DJCFe21stdFIT	DJCFe21stdVRND<-DJCFe21stdFORE@forecast$series+DJCFe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe21stdVRND
DJCFe11norFIT	DJCFe11norVRND<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe11norVRND
DJCFe22norFIT	DJCFe22norVRND<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe22norVRND
DJCFe12norFIT	DJCFe12norVRND<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe12norVRND
DJCFe21norFIT	DJCFe21norVRND<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe21norVRND
DJCFg22norFIT	DJCFg22norVRND<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFg22norVRND
DJCFg21norFIT	DJCFg21norVRND<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFg21norVRND
DJCPe22stdFIT	DJCPe22stdVRND<-DJCPe22stdFORE@forecast$series+DJCPe22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCPe22stdVRND
DJCPe21stdFIT	DJCPe21stdVRND<-DJCPe21stdFORE@forecast$series+DJCPe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCPe21stdVRND
DJCTg21gedFIT	DJCTg21gedVRND<-DJCTg21gedFORE@forecast$series+DJCTg21gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTg21gedVRND
DJCTs12stdFIT	DJCTs12stdVRND<-DJCTs12stdFORE@forecast$series+DJCTs12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTs12stdVRND
DJCTe12stdFIT	DJCTe12stdVRND<-DJCTe12stdFORE@forecast$series+DJCTe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTe12stdVRND
DJCTe11norFIT	DJCTe11norVRND<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTe11norVRND
DJCTe12norFIT	DJCTe12norVRND<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTe12norVRND
DJCTg12norFIT	DJCTg12norVRND<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTg12norVRND
DJNIs11stdFIT	DJNIs11stdVRND<-DJNIs11stdFORE@forecast$series+DJNIs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIs11stdVRND
DJNIe21stdFIT	DJNIe21stdVRND<-DJNIe21stdFORE@forecast$series+DJNIe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIe21stdVRND
DJNIe11norFIT	DJNIe11norVRND<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIe11norVRND
DJNIe22norFIT	DJNIe22norVRND<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIe22norVRND
DJSIg12gedFIT	DJSIg12gedVRND<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIg12gedVRND
DJSIs11stdFIT	DJSIs11stdVRND<-DJSIs11stdFORE@forecast$series+DJSIs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIs11stdVRND
DJSIg11stdFIT	DJSIg11stdVRND<-DJSIg11stdFORE@forecast$series+DJSIg11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIg11stdVRND
DJSIc11stdFIT	DJSIc11stdVRND<-DJSIc11stdFORE@forecast$series+DJSIc11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIc11stdVRND
DJSUs11stdFIT	DJSUs11stdVRND<-DJSUs11stdFORE@forecast$series+DJSUs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUs11stdVRND
DJSUe22stdFIT	DJSUe22stdVRND<-DJSUe22stdFORE@forecast$series+DJSUe22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUe22stdVRND
DJSUe21stdFIT	DJSUe21stdVRND<-DJSUe21stdFORE@forecast$series+DJSUe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUe21stdVRND
DJSUg22stdFIT	DJSUg22stdVRND<-DJSUg22stdFORE@forecast$series+DJSUg22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUg22stdVRND
DJSUg21stdFIT	DJSUg21stdVRND<-DJSUg21stdFORE@forecast$series+DJSUg21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUg21stdVRND
DJSUs12norFIT	DJSUs12norVRND<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUs12norVRND
DJWEe11gedFIT	DJWEe11gedVRND<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe11gedVRND
DJWEe12gedFIT	DJWEe12gedVRND<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe12gedVRND
DJWEe11stdFIT	DJWEe11stdVRND<-DJWEe11stdFORE@forecast$series+DJWEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe11stdVRND
DJWEe12stdFIT	DJWEe12stdVRND<-DJWEe12stdFORE@forecast$series+DJWEe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe12stdVRND
DJWEe11norFIT	DJWEe11norVRND<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe11norVRND
DJWEe12norFIT	DJWEe12norVRND<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe12norVRND
DJWEg11norFIT	DJWEg11norVRND<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEg11norVRND
DJZIe22stdFIT	DJZIe22stdVRND<-DJZIe22stdFORE@forecast$series+DJZIe22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe22stdVRND
DJZIe21stdFIT	DJZIe21stdVRND<-DJZIe21stdFORE@forecast$series+DJZIe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe21stdVRND
DJZIs11norFIT	DJZIs11norVRND<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIs11norVRND
DJZIe11norFIT	DJZIe11norVRND<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe11norVRND
DJZIe12norFIT	DJZIe12norVRND<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe12norVRND
DJZIg12norFIT	DJZIg12norVRND<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIg12norVRND
DJLHe11gedFIT	DJLHe11gedVRND<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe11gedVRND
DJLHe12gedFIT	DJLHe12gedVRND<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe12gedVRND
DJLHe11stdFIT	DJLHe11stdVRND<-DJLHe11stdFORE@forecast$series+DJLHe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe11stdVRND
DJLHe12stdFIT	DJLHe12stdVRND<-DJLHe12stdFORE@forecast$series+DJLHe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe12stdVRND
DJLHe11norFIT	DJLHe11norVRND<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe11norVRND
DJLHe12norFIT	DJLHe12norVRND<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe12norVRND
DJNGe21stdFIT	DJNGe21stdVRND<-DJNGe21stdFORE@forecast$series+DJNGe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJNGe21stdVRND
DJNGe12norFIT	DJNGe12norVRND<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJNGe12norVRND
DJPEe11gedFIT	DJPEe11gedVRND<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe11gedVRND
DJPEe12gedFIT	DJPEe12gedVRND<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe12gedVRND
DJPEe11stdFIT	DJPEe11stdVRND<-DJPEe11stdFORE@forecast$series+DJPEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe11stdVRND
DJPEe12stdFIT	DJPEe12stdVRND<-DJPEe12stdFORE@forecast$series+DJPEe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe12stdVRND
DJPEe11norFIT	DJPEe11norVRND<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe11norVRND
DJPEe12norFIT	DJPEe12norVRND<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe12norVRND
DJSOe21gedFIT	DJSOe21gedVRND<-DJSOe21gedFORE@forecast$series+DJSOe21gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe21gedVRND
DJSOe21stdFIT	DJSOe21stdVRND<-DJSOe21stdFORE@forecast$series+DJSOe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe21stdVRND
DJSOe11norFIT	DJSOe11norVRND<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe11norVRND
DJSOe22norFIT	DJSOe22norVRND<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe22norVRND
DJSOe21norFIT	DJSOe21norVRND<-DJSOe21norFORE@forecast$series+DJSOe21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe21norVRND
SEFPs11gedFIT	SEFPs11gedVRND<-SEFPs11gedFORE@forecast$series+SEFPs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPs11gedVRND
SEFPe11gedFIT	SEFPe11gedVRND<-SEFPe11gedFORE@forecast$series+SEFPe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe11gedVRND
SEFPe12gedFIT	SEFPe12gedVRND<-SEFPe12gedFORE@forecast$series+SEFPe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe12gedVRND
SEFPe11stdFIT	SEFPe11stdVRND<-SEFPe11stdFORE@forecast$series+SEFPe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe11stdVRND
SEFPe12stdFIT	SEFPe12stdVRND<-SEFPe12stdFORE@forecast$series+SEFPe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe12stdVRND
SEFPs11norFIT	SEFPs11norVRND<-SEFPs11norFORE@forecast$series+SEFPs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPs11norVRND
SEFPe11norFIT	SEFPe11norVRND<-SEFPe11norFORE@forecast$series+SEFPe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe11norVRND
SEFPe12norFIT	SEFPe12norVRND<-SEFPe12norFORE@forecast$series+SEFPe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe12norVRND
SEECs11gedFIT	SEECs11gedVRND<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEECs11gedVRND
SEECe11gedFIT	SEECe11gedVRND<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe11gedVRND
SEECe12gedFIT	SEECe12gedVRND<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe12gedVRND
SEECe12stdFIT	SEECe12stdVRND<-SEECe12stdFORE@forecast$series+SEECe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe12stdVRND
SEECs11norFIT	SEECs11norVRND<-SEECs11norFORE@forecast$series+SEECs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEECs11norVRND
SEECe12norFIT	SEECe12norVRND<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe12norVRND
SEFLe11gedFIT	SEFLe11gedVRND<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLe11gedVRND
SEFLg11gedFIT	SEFLg11gedVRND<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLg11gedVRND
SEFLe11norFIT	SEFLe11norVRND<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLe11norVRND
SEFLe12norFIT	SEFLe12norVRND<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLe12norVRND
SEUTe11gedFIT	SEUTe11gedVRND<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe11gedVRND
SEUTe12gedFIT	SEUTe12gedVRND<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe12gedVRND
SEUTc11gedFIT	SEUTc11gedVRND<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTc11gedVRND
SEUTe11stdFIT	SEUTe11stdVRND<-SEUTe11stdFORE@forecast$series+SEUTe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe11stdVRND
SEUTc11stdFIT	SEUTc11stdVRND<-SEUTc11stdFORE@forecast$series+SEUTc11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTc11stdVRND
SEUTe11norFIT	SEUTe11norVRND<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe11norVRND
SEUTe12norFIT	SEUTe12norVRND<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe12norVRND
SETRe11gedFIT	SETRe11gedVRND<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SETRe11gedVRND
SETRs11norFIT	SETRs11norVRND<-SETRs11norFORE@forecast$series+SETRs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRs11norVRND
SETRe11norFIT	SETRe11norVRND<-SETRe11norFORE@forecast$series+SETRe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRe11norVRND
SETRe12norFIT	SETRe12norVRND<-SETRe12norFORE@forecast$series+SETRe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRe12norVRND
SETRg12norFIT	SETRg12norVRND<-SETRg12norFORE@forecast$series+SETRg12norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRg12norVRND
SEMOe11gedFIT	SEMOe11gedVRND<-SEMOe11gedFORE@forecast$series+SEMOe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOe11gedVRND
SEMOe12gedFIT	SEMOe12gedVRND<-SEMOe12gedFORE@forecast$series+SEMOe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOe12gedVRND
SEMOs11stdFIT	SEMOs11stdVRND<-SEMOs11stdFORE@forecast$series+SEMOs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOs11stdVRND
SEMOe11norFIT	SEMOe11norVRND<-SEMOe11norFORE@forecast$series+SEMOe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOe11norVRND
SEOGe11gedFIT	SEOGe11gedVRND<-SEOGe11gedFORE@forecast$series+SEOGe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe11gedVRND
SEOGe12gedFIT	SEOGe12gedVRND<-SEOGe12gedFORE@forecast$series+SEOGe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe12gedVRND
SEOGe11stdFIT	SEOGe11stdVRND<-SEOGe11stdFORE@forecast$series+SEOGe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe11stdVRND
SEOGe11norFIT	SEOGe11norVRND<-SEOGe11norFORE@forecast$series+SEOGe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe11norVRND
SEOGe12norFIT	SEOGe12norVRND<-SEOGe12norFORE@forecast$series+SEOGe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe12norVRND
SEOGe21norFIT	SEOGe21norVRND<-SEOGe21norFORE@forecast$series+SEOGe21norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe21norVRND
SEOEe11gedFIT	SEOEe11gedVRND<-SEOEe11gedFORE@forecast$series+SEOEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe11gedVRND
SEOEe12gedFIT	SEOEe12gedVRND<-SEOEe12gedFORE@forecast$series+SEOEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe12gedVRND
SEOEe11stdFIT	SEOEe11stdVRND<-SEOEe11stdFORE@forecast$series+SEOEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe11stdVRND
SEOEe11norFIT	SEOEe11norVRND<-SEOEe11norFORE@forecast$series+SEOEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe11norVRND
SEOEe12norFIT	SEOEe12norVRND<-SEOEe12norFORE@forecast$series+SEOEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe12norVRND
SEAIs11gedFIT	SEAIs11gedVRND<-SEAIs11gedFORE@forecast$series+SEAIs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIs11gedVRND
SEAIe11gedFIT	SEAIe11gedVRND<-SEAIe11gedFORE@forecast$series+SEAIe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe11gedVRND
SEAIe12gedFIT	SEAIe12gedVRND<-SEAIe12gedFORE@forecast$series+SEAIe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe12gedVRND
SEAIe11stdFIT	SEAIe11stdVRND<-SEAIe11stdFORE@forecast$series+SEAIe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe11stdVRND
SEAIs11norFIT	SEAIs11norVRND<-SEAIs11norFORE@forecast$series+SEAIs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIs11norVRND
SEAIs12norFIT	SEAIs12norVRND<-SEAIs12norFORE@forecast$series+SEAIs12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIs12norVRND
SEAIe11norFIT	SEAIe11norVRND<-SEAIe11norFORE@forecast$series+SEAIe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe11norVRND
SEAIc12norFIT	SEAIc12norVRND<-SEAIc12norFORE@forecast$series+SEAIc12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIc12norVRND
SEISe11gedFIT	SEISe11gedVRND<-SEISe11gedFORE@forecast$series+SEISe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe11gedVRND
SEISe12gedFIT	SEISe12gedVRND<-SEISe12gedFORE@forecast$series+SEISe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe12gedVRND
SEISe21gedFIT	SEISe21gedVRND<-SEISe21gedFORE@forecast$series+SEISe21gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe21gedVRND
SEISe11stdFIT	SEISe11stdVRND<-SEISe11stdFORE@forecast$series+SEISe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe11stdVRND
SEISe12stdFIT	SEISe12stdVRND<-SEISe12stdFORE@forecast$series+SEISe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe12stdVRND
SEISe11norFIT	SEISe11norVRND<-SEISe11norFORE@forecast$series+SEISe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe11norVRND
SEISe22norFIT	SEISe22norVRND<-SEISe22norFORE@forecast$series+SEISe22norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe22norVRND
SEISe12norFIT	SEISe12norVRND<-SEISe12norFORE@forecast$series+SEISe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe12norVRND
SEISg11norFIT	SEISg11norVRND<-SEISg11norFORE@forecast$series+SEISg11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISg11norVRND
SEISg12norFIT	SEISg12norVRND<-SEISg12norFORE@forecast$series+SEISg12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISg12norVRND
SEREe11gedFIT	SEREe11gedVRND<-SEREe11gedFORE@forecast$series+SEREe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe11gedVRND
SEREe11stdFIT	SEREe11stdVRND<-SEREe11stdFORE@forecast$series+SEREe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe11stdVRND
SEREg11stdFIT	SEREg11stdVRND<-SEREg11stdFORE@forecast$series+SEREg11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEREg11stdVRND
SEREe11norFIT	SEREe11norVRND<-SEREe11norFORE@forecast$series+SEREe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe11norVRND
SEREe12norFIT	SEREe12norVRND<-SEREe12norFORE@forecast$series+SEREe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe12norVRND
SEAEs11gedFIT	SEAEs11gedVRND<-SEAEs11gedFORE@forecast$series+SEAEs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEs11gedVRND
SEAEe11gedFIT	SEAEe11gedVRND<-SEAEe11gedFORE@forecast$series+SEAEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEe11gedVRND
SEAEe11norFIT	SEAEe11norVRND<-SEAEe11norFORE@forecast$series+SEAEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEe11norVRND
SEAEe12norFIT	SEAEe12norVRND<-SEAEe12norFORE@forecast$series+SEAEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEe12norVRND
SESOe11gedFIT	SESOe11gedVRND<-SESOe11gedFORE@forecast$series+SESOe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SESOe11gedVRND
SESOe11stdFIT	SESOe11stdVRND<-SESOe11stdFORE@forecast$series+SESOe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SESOe11stdVRND
SESOe12stdFIT	SESOe12stdVRND<-SESOe12stdFORE@forecast$series+SESOe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SESOe12stdVRND
SETEe11gedFIT	SETEe11gedVRND<-SETEe11gedFORE@forecast$series+SETEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe11gedVRND
SETEe12gedFIT	SETEe12gedVRND<-SETEe12gedFORE@forecast$series+SETEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe12gedVRND
SETEs11stdFIT	SETEs11stdVRND<-SETEs11stdFORE@forecast$series+SETEs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SETEs11stdVRND
SETEe11stdFIT	SETEe11stdVRND<-SETEe11stdFORE@forecast$series+SETEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe11stdVRND
SETEe12stdFIT	SETEe12stdVRND<-SETEe12stdFORE@forecast$series+SETEe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe12stdVRND
SETEe11norFIT	SETEe11norVRND<-SETEe11norFORE@forecast$series+SETEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe11norVRND
SEBEe12gedFIT	SEBEe12gedVRND<-SEBEe12gedFORE@forecast$series+SEBEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEBEe12gedVRND
SEBEe11stdFIT	SEBEe11stdVRND<-SEBEe11stdFORE@forecast$series+SEBEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEBEe11stdVRND
SEBEe12norFIT	SEBEe12norVRND<-SEBEe12norFORE@forecast$series+SEBEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEBEe12norVRND
SEETe11gedFIT	SEETe11gedVRND<-SEETe11gedFORE@forecast$series+SEETe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe11gedVRND
SEETe12gedFIT	SEETe12gedVRND<-SEETe12gedFORE@forecast$series+SEETe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe12gedVRND
SEETe11stdFIT	SEETe11stdVRND<-SEETe11stdFORE@forecast$series+SEETe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe11stdVRND
SEETe12stdFIT	SEETe12stdVRND<-SEETe12stdFORE@forecast$series+SEETe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe12stdVRND
SEETe11norFIT	SEETe11norVRND<-SEETe11norFORE@forecast$series+SEETe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe11norVRND
SEETe12norFIT	SEETe12norVRND<-SEETe12norFORE@forecast$series+SEETe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe12norVRND
SECHe11gedFIT	SECHe11gedVRND<-SECHe11gedFORE@forecast$series+SECHe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe11gedVRND
SECHe12gedFIT	SECHe12gedVRND<-SECHe12gedFORE@forecast$series+SECHe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe12gedVRND
SECHe11stdFIT	SECHe11stdVRND<-SECHe11stdFORE@forecast$series+SECHe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe11stdVRND
SECHe12stdFIT	SECHe12stdVRND<-SECHe12stdFORE@forecast$series+SECHe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe12stdVRND
SECHe11norFIT	SECHe11norVRND<-SECHe11norFORE@forecast$series+SECHe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe11norVRND
SECHe12norFIT	SECHe12norVRND<-SECHe12norFORE@forecast$series+SECHe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe12norVRND
SECHo21norFIT	SECHo21norVRND<-SECHo21norFORE@forecast$series+SECHo21norFORE@forecast$sigma*qdist("norm", p=0.025)	SECHo21norVRND
SEAPe11gedFIT	SEAPe11gedVRND<-SEAPe11gedFORE@forecast$series+SEAPe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAPe11gedVRND
SEAPe11stdFIT	SEAPe11stdVRND<-SEAPe11stdFORE@forecast$series+SEAPe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEAPe11stdVRND
SEAPe12stdFIT	SEAPe12stdVRND<-SEAPe12stdFORE@forecast$series+SEAPe12stdFORE@forecast$sigma*q

LITCs11gedFIT	LITCs11gedVRNO<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	LITCs11gedVRNO
LITCc11gedFIT	LITCc11gedVRNO<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc11gedVRNO
LITCc12gedFIT	LITCc12gedVRNO<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc12gedVRNO
LITCs11norFIT	LITCs11norVRNO<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCs11norVRNO
LITCe11norFIT	LITCe11norVRNO<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCe11norVRNO
LITCe12norFIT	LITCe12norVRNO<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCe12norVRNO
LITCe21norFIT	LITCe21norVRNO<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCe21norVRNO
LITCg11norFIT	LITCg11norVRNO<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCg11norVRNO
LITCc11norFIT	LITCc11norVRNO<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc11norVRNO
LITCc12norFIT	LITCc12norVRNO<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc12norVRNO
GREXe11gedFIT	GREXe11gedVRNO<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	GREXe11gedVRNO
GREXe12gedFIT	GREXe12gedVRNO<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	GREXe12gedVRNO
GREXe21gedFIT	GREXe21gedVRNO<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*qdist("norm", p=0.025)	GREXe21gedVRNO
DAXPs11gedFIT	DAXPs11gedVRNO<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPs11gedVRNO
DAXPs11stdFIT	DAXPs11stdVRNO<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPs11stdVRNO
DAXPs12norFIT	DAXPs12norVRNO<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPs12norVRNO
DAXPe11norFIT	DAXPe11norVRNO<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPe11norVRNO
DAXPg11norFIT	DAXPg11norVRNO<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPg11norVRNO

Df (out of GARCH model)	Function	Expected Shortfall Student t Distribution	Extract Data
	fDJACe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe11gedEST<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*integrate(fDJACe11gedFIT, 0, 0.025)$value/0.025	DJACe11gedEST
	fDJACe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe12gedEST<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*integrate(fDJACe12gedFIT, 0, 0.025)$value/0.025	DJACe12gedEST
2.100003	fDJACe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe11stdEST<-DJACe11stdFORE@forecast$series+DJACe11stdFORE@forecast$sigma*integrate(fDJACe11stdFIT, 0, 0.025)$value/0.025	DJACe11stdEST
2.10432	fDJACe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe12stdEST<-DJACe12stdFORE@forecast$series+DJACe12stdFORE@forecast$sigma*integrate(fDJACe12stdFIT, 0, 0.025)$value/0.025	DJACe12stdEST
	fDJACe1nnorFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe1nnorEST<-DJACe1nnorFORE@forecast$series+DJACe1nnorFORE@forecast$sigma*integrate(fDJACe1nnorFIT, 0, 0.025)$value/0.025	DJACe1nnorEST
	fDJACe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe12norEST<-DJACe12norFORE@forecast$series+DJACe12norFORE@forecast$sigma*integrate(fDJACe12norFIT, 0, 0.025)$value/0.025	DJACe12norEST
	fDJACe2norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe2norEST<-DJACe2norFORE@forecast$series+DJACe2norFORE@forecast$sigma*integrate(fDJACe2norFIT, 0, 0.025)$value/0.025	DJACe2norEST
	fDJALs11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALs11gedEST<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*integrate(fDJALs11gedFIT, 0, 0.025)$value/0.025	DJALs11gedEST
	fDJALe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe11gedEST<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*integrate(fDJALe11gedFIT, 0, 0.025)$value/0.025	DJALe11gedEST
	fDJALe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe12gedEST<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*integrate(fDJALe12gedFIT, 0, 0.025)$value/0.025	DJALe12gedEST
	fDJALc11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALc11gedEST<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*integrate(fDJALc11gedFIT, 0, 0.025)$value/0.025	DJALc11gedEST
2.63105	fDJALe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe11stdEST<-DJALe11stdFORE@forecast$series+DJALe11stdFORE@forecast$sigma*integrate(fDJALe11stdFIT, 0, 0.025)$value/0.025	DJALe11stdEST
2.664155	fDJALg11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALg11stdEST<-DJALg11stdFORE@forecast$series+DJALg11stdFORE@forecast$sigma*integrate(fDJALg11stdFIT, 0, 0.025)$value/0.025	DJALg11stdEST
	fDJALe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe11norEST<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*integrate(fDJALe11norFIT, 0, 0.025)$value/0.025	DJALe11norEST
	fDJALe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe12norEST<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*integrate(fDJALe12norFIT, 0, 0.025)$value/0.025	DJALe12norEST
	fDJCCe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCe11gedEST<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*integrate(fDJCCe11gedFIT, 0, 0.025)$value/0.025	DJCCe11gedEST
	fDJCCe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCe12gedEST<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*integrate(fDJCCe12gedFIT, 0, 0.025)$value/0.025	DJCCe12gedEST
3.297168	fDJCCs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCs11stdEST<-DJCCs11stdFORE@forecast$series+DJCCs11stdFORE@forecast$sigma*integrate(fDJCCs11stdFIT, 0, 0.025)$value/0.025	DJCCs11stdEST
2.820568	fDJCCe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCe11stdEST<-DJCCe11stdFORE@forecast$series+DJCCe11stdFORE@forecast$sigma*integrate(fDJCCe11stdFIT, 0, 0.025)$value/0.025	DJCCe11stdEST
	fDJCFe22gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe22gedEST<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*integrate(fDJCFe22gedFIT, 0, 0.025)$value/0.025	DJCFe22gedEST
	fDJCFe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe12gedEST<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*integrate(fDJCFe12gedFIT, 0, 0.025)$value/0.025	DJCFe12gedEST
	fDJCFg21gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFg21gedEST<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*integrate(fDJCFg21gedFIT, 0, 0.025)$value/0.025	DJCFg21gedEST
2.811017	fDJCFe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe21stdEST<-DJCFe21stdFORE@forecast$series+DJCFe21stdFORE@forecast$sigma*integrate(fDJCFe21stdFIT, 0, 0.025)$value/0.025	DJCFe21stdEST
	fDJCFe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe11norEST<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*integrate(fDJCFe11norFIT, 0, 0.025)$value/0.025	DJCFe11norEST
	fDJCFe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe22norEST<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*integrate(fDJCFe22norFIT, 0, 0.025)$value/0.025	DJCFe22norEST
	fDJCFe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe12norEST<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*integrate(fDJCFe12norFIT, 0, 0.025)$value/0.025	DJCFe12norEST
	fDJCFe21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe21norEST<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*integrate(fDJCFe21norFIT, 0, 0.025)$value/0.025	DJCFe21norEST
	fDJCFg22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFg22norEST<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*integrate(fDJCFg22norFIT, 0, 0.025)$value/0.025	DJCFg22norEST
	fDJCFg21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFg21norEST<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*integrate(fDJCFg21norFIT, 0, 0.025)$value/0.025	DJCFg21norEST
2.180832	fDJCPe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCPe22stdEST<-DJCPe22stdFORE@forecast$series+DJCPe22stdFORE@forecast$sigma*integrate(fDJCPe22stdFIT, 0, 0.025)$value/0.025	DJCPe22stdEST
2.218328	fDJCPe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCPe21stdEST<-DJCPe21stdFORE@forecast$series+DJCPe21stdFORE@forecast$sigma*integrate(fDJCPe21stdFIT, 0, 0.025)$value/0.025	DJCPe21stdEST
	fDJCTg21gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTg21gedEST<-DJCTg21gedFORE@forecast$series+DJCTg21gedFORE@forecast$sigma*integrate(fDJCTg21gedFIT, 0, 0.025)$value/0.025	DJCTg21gedEST
2.793802	fDJCTs12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTs12stdEST<-DJCTs12stdFORE@forecast$series+DJCTs12stdFORE@forecast$sigma*integrate(fDJCTs12stdFIT, 0, 0.025)$value/0.025	DJCTs12stdEST
2.780122	fDJCTe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTe12stdEST<-DJCTe12stdFORE@forecast$series+DJCTe12stdFORE@forecast$sigma*integrate(fDJCTe12stdFIT, 0, 0.025)$value/0.025	DJCTe12stdEST
	fDJCTe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTe11norEST<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*integrate(fDJCTe11norFIT, 0, 0.025)$value/0.025	DJCTe11norEST
	fDJCTe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTe12norEST<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*integrate(fDJCTe12norFIT, 0, 0.025)$value/0.025	DJCTe12norEST
	fDJCTg12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTg12norEST<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*integrate(fDJCTg12norFIT, 0, 0.025)$value/0.025	DJCTg12norEST
2.41309	fDJNIs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIs11stdEST<-DJNIs11stdFORE@forecast$series+DJNIs11stdFORE@forecast$sigma*integrate(fDJNIs11stdFIT, 0, 0.025)$value/0.025	DJNIs11stdEST
2.180001	fDJNIe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIe21stdEST<-DJNIe21stdFORE@forecast$series+DJNIe21stdFORE@forecast$sigma*integrate(fDJNIe21stdFIT, 0, 0.025)$value/0.025	DJNIe21stdEST
	fDJNIe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIe11norEST<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*integrate(fDJNIe11norFIT, 0, 0.025)$value/0.025	DJNIe11norEST
	fDJNIe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIe22norEST<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*integrate(fDJNIe22norFIT, 0, 0.025)$value/0.025	DJNIe22norEST
	fDJSIg12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIg12gedEST<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*integrate(fDJSIg12gedFIT, 0, 0.025)$value/0.025	DJSIg12gedEST
2.268247	fDJSIs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIs11stdEST<-DJSIs11stdFORE@forecast$series+DJSIs11stdFORE@forecast$sigma*integrate(fDJSIs11stdFIT, 0, 0.025)$value/0.025	DJSIs11stdEST
2.265672	fDJSIg11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIg11stdEST<-DJSIg11stdFORE@forecast$series+DJSIg11stdFORE@forecast$sigma*integrate(fDJSIg11stdFIT, 0, 0.025)$value/0.025	DJSIg11stdEST
2.139681	fDJSIc11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIc11stdEST<-DJSIc11stdFORE@forecast$series+DJSIc11stdFORE@forecast$sigma*integrate(fDJSIc11stdFIT, 0, 0.025)$value/0.025	DJSIc11stdEST
2.133549	fDJSUs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUs11stdEST<-DJSUs11stdFORE@forecast$series+DJSUs11stdFORE@forecast$sigma*integrate(fDJSUs11stdFIT, 0, 0.025)$value/0.025	DJSUs11stdEST
2.202969	fDJSUe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUe22stdEST<-DJSUe22stdFORE@forecast$series+DJSUe22stdFORE@forecast$sigma*integrate(fDJSUe22stdFIT, 0, 0.025)$value/0.025	DJSUe22stdEST
2.189896	fDJSUe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUe21stdEST<-DJSUe21stdFORE@forecast$series+DJSUe21stdFORE@forecast$sigma*integrate(fDJSUe21stdFIT, 0, 0.025)$value/0.025	DJSUe21stdEST
2.131863	fDJSUg22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUg22stdEST<-DJSUg22stdFORE@forecast$series+DJSUg22stdFORE@forecast$sigma*integrate(fDJSUg22stdFIT, 0, 0.025)$value/0.025	DJSUg22stdEST
2.136393	fDJSUg21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUg21stdEST<-DJSUg21stdFORE@forecast$series+DJSUg21stdFORE@forecast$sigma*integrate(fDJSUg21stdFIT, 0, 0.025)$value/0.025	DJSUg21stdEST
	fDJSUs12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUs12norEST<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*integrate(fDJSUs12norFIT, 0, 0.025)$value/0.025	DJSUs12norEST
	fDJWEe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe11gedEST<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*integrate(fDJWEe11gedFIT, 0, 0.025)$value/0.025	DJWEe11gedEST
	fDJWEe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe12gedEST<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*integrate(fDJWEe12gedFIT, 0, 0.025)$value/0.025	DJWEe12gedEST
3.174978	fDJWEe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe11stdEST<-DJWEe11stdFORE@forecast$series+DJWEe11stdFORE@forecast$sigma*integrate(fDJWEe11stdFIT, 0, 0.025)$value/0.025	DJWEe11stdEST
3.1672	fDJWEe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe12stdEST<-DJWEe12stdFORE@forecast$series+DJWEe12stdFORE@forecast$sigma*integrate(fDJWEe12stdFIT, 0, 0.025)$value/0.025	DJWEe12stdEST
	fDJWEe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe11norEST<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*integrate(fDJWEe11norFIT, 0, 0.025)$value/0.025	DJWEe11norEST
	fDJWEe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe12norEST<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*integrate(fDJWEe12norFIT, 0, 0.025)$value/0.025	DJWEe12norEST
	fDJWEg1norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEg1norEST<-DJWEg1norFORE@forecast$series+DJWEg1norFORE@forecast$sigma*integrate(fDJWEg1norFIT, 0, 0.025)$value/0.025	DJWEg1norEST
2.343198	fDJZIe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe22stdEST<-DJZIe22stdFORE@forecast$series+DJZIe22stdFORE@forecast$sigma*integrate(fDJZIe22stdFIT, 0, 0.025)$value/0.025	DJZIe22stdEST
2.359452	fDJZIe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe21stdEST<-DJZIe21stdFORE@forecast$series+DJZIe21stdFORE@forecast$sigma*integrate(fDJZIe21stdFIT, 0, 0.025)$value/0.025	DJZIe21stdEST
	fDJZIs11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIs11norEST<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*integrate(fDJZIs11norFIT, 0, 0.025)$value/0.025	DJZIs11norEST
	fDJZIe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe11norEST<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*integrate(fDJZIe11norFIT, 0, 0.025)$value/0.025	DJZIe11norEST
	fDJZIe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe12norEST<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*integrate(fDJZIe12norFIT, 0, 0.025)$value/0.025	DJZIe12norEST
	fDJZIg12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIg12norEST<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*integrate(fDJZIg12norFIT, 0, 0.025)$value/0.025	DJZIg12norEST
	fDJLHe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe11gedEST<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*integrate(fDJLHe11gedFIT, 0, 0.025)$value/0.025	DJLHe11gedEST
	fDJLHe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe12gedEST<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*integrate(fDJLHe12gedFIT, 0, 0.025)$value/0.025	DJLHe12gedEST
2.476015	fDJLHe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe11stdEST<-DJLHe11stdFORE@forecast$series+DJLHe11stdFORE@forecast$sigma*integrate(fDJLHe11stdFIT, 0, 0.025)$value/0.025	DJLHe11stdEST
2.514619	fDJLHe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe12stdEST<-DJLHe12stdFORE@forecast$series+DJLHe12stdFORE@forecast$sigma*integrate(fDJLHe12stdFIT, 0, 0.025)$value/0.025	DJLHe12stdEST
	fDJLHe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe11norEST<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*integrate(fDJLHe11norFIT, 0, 0.025)$value/0.025	DJLHe11norEST
	fDJLHe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe12norEST<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*integrate(fDJLHe12norFIT, 0, 0.025)$value/0.025	DJLHe12norEST
3.647092	fDJNGe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNGe21stdEST<-DJNGe21stdFORE@forecast$series+DJNGe21stdFORE@forecast$sigma*integrate(fDJNGe21stdFIT, 0, 0.025)$value/0.025	DJNGe21stdEST
	fDJNGe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNGe12norEST<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*integrate(fDJNGe12norFIT, 0, 0.025)$value/0.025	DJNGe12norEST
	fDJPEe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe11gedEST<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*integrate(fDJPEe11gedFIT, 0, 0.025)$value/0.025	DJPEe11gedEST
	fDJPEe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe12gedEST<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*integrate(fDJPEe12gedFIT, 0, 0.025)$value/0.025	DJPEe12gedEST
2.487423	fDJPEe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe11stdEST<-DJPEe11stdFORE@forecast$series+DJPEe11stdFORE@forecast$sigma*integrate(fDJPEe11stdFIT, 0, 0.025)$value/0.025	DJPEe11stdEST
2.51498	fDJPEe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe12stdEST<-DJPEe12stdFORE@forecast$series+DJPEe12stdFORE@forecast$sigma*integrate(fDJPEe12stdFIT, 0, 0.025)$value/0.025	DJPEe12stdEST
	fDJPEe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe11norEST<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*integrate(fDJPEe11norFIT, 0, 0.025)$value/0.025	DJPEe11norEST
	fDJPEe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe12norEST<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*integrate(fDJPEe12norFIT, 0, 0.025)$value/0.025	DJPEe12norEST
	fDJSOe21gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe21gedEST<-DJSOe21gedFORE@forecast$series+DJSOe21gedFORE@forecast$sigma*integrate(fDJSOe21gedFIT, 0, 0.025)$value/0.025	DJSOe21gedEST
2.670871	fDJSOe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe21stdEST<-DJSOe21stdFORE@forecast$series+DJSOe21stdFORE@forecast$sigma*integrate(fDJSOe21stdFIT, 0, 0.025)$value/0.025	DJSOe21stdEST
	fDJSOe1norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe1norEST<-DJSOe1norFORE@forecast$series+DJSOe1norFORE@forecast$sigma*integrate(fDJSOe1norFIT, 0, 0.025)$value/0.025	DJSOe1norEST
	fDJSOe2norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe2norEST<-DJSOe2norFORE@forecast$series+DJSOe2norFORE@forecast$sigma*integrate(fDJSOe2norFIT, 0, 0.025)$value/0.025	DJSOe2norEST
	fDJSOe21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe21norEST<-DJSOe21norFORE@forecast$series+DJSOe21norFORE@forecast$sigma*integrate(fDJSOe21norFIT, 0, 0.025)$value/0.025	DJSOe21norEST
	fSEFPs11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPs11gedEST<-SEFPs11gedFORE@forecast$series+SEFPs11gedFORE@forecast$sigma*integrate(fSEFPs11gedFIT, 0, 0.025)$value/0.025	SEFPs11gedEST
	fSEFPe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe11gedEST<-SEFPe11gedFORE@forecast$series+SEFPe11gedFORE@forecast$sigma*integrate(fSEFPe11gedFIT, 0, 0.025)$value/0.025	SEFPe11gedEST
	fSEFPe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe12gedEST<-SEFPe12gedFORE@forecast$series+SEFPe12gedFORE@forecast$sigma*integrate(fSEFPe12gedFIT, 0, 0.025)$value/0.025	SEFPe12gedEST
2.22418	fSEFPe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe11stdEST<-SEFPe11stdFORE@forecast$series+SEFPe11stdFORE@forecast$sigma*integrate(fSEFPe11stdFIT, 0, 0.025)$value/0.025	SEFPe11stdEST
2.19512	fSEFPe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe12stdEST<-SEFPe12stdFORE@forecast$series+SEFPe12stdFORE@forecast$sigma*integrate(fSEFPe12stdFIT, 0, 0.025)$value/0.025	SEFPe12stdEST
	fSEFPs11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPs11norEST<-SEFPs11norFORE@forecast$series+SEFPs11norFORE@forecast$sigma*integrate(fSEFPs11norFIT, 0, 0.025)$value/0.025	SEFPs11norEST
	fSEFPe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe11norEST<-SEFPe11norFORE@forecast$series+SEFPe11norFORE@forecast$sigma*integrate(fSEFPe11norFIT, 0, 0.025)$value/0.025	SEFPe11norEST
	fSEFPe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe12norEST<-SEFPe12norFORE@forecast$series+SEFPe12norFORE@forecast$sigma*integrate(fSEFPe12norFIT, 0, 0.025)$value/0.025	SEFPe12norEST
	fSEECs11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECs11gedEST<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*integrate(fSEECs11gedFIT, 0, 0.025)$value/0.025	SEECs11gedEST
	fSEECe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe11gedEST<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*integrate(fSEECe11gedFIT, 0, 0.025)$value/0.025	SEECe11gedEST
	fSEECe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe12gedEST<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*integrate(fSEECe12gedFIT, 0, 0.025)$value/0.025	SEECe12gedEST
2.367729	fSEECe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe12stdEST<-SEECe12stdFORE@forecast$series+SEECe12stdFORE@forecast$sigma*integrate(fSEECe12stdFIT, 0, 0.025)$value/0.025	SEECe12stdEST
	fSEECs11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECs11norEST<-SEECs11norFORE@forecast$series+SEECs11norFORE@forecast$sigma*integrate(fSEECs11norFIT, 0, 0.025)$value/0.025	SEECs11norEST
	fSEECe1norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe1norEST<-SEECe1norFORE@forecast$series+SEECe1norFORE@forecast$sigma*integrate(fSEECe1norFIT, 0, 0.025)$value/0.025	SEECe1norEST
	fSEECe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe12norEST<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*integrate(fSEECe12norFIT, 0, 0.025)$value/0.025	SEECe12norEST
	fSEFLe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLe11gedEST<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*integrate(fSEFLe11gedFIT, 0, 0.025)$value/0.025	SEFLe11gedEST
	fSEFLg11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLg11gedEST<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*integrate(fSEFLg11gedFIT, 0, 0.025)$value/0.025	SEFLg11gedEST
	fSEFLe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLe11norEST<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*integrate(fSEFLe11norFIT, 0, 0.025)$value/0.025	SEFLe11norEST
	fSEFLe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLe12norEST<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*integrate(fSEFLe12norFIT, 0, 0.025)$value/0.025	SEFLe12norEST
	fSEUTe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe11gedEST<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*integrate(fSEUTe11gedFIT, 0, 0.025)$value/0.025	SEUTe11gedEST
	fSEUTe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe12gedEST<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*integrate(fSEUTe12gedFIT, 0, 0.025)$value/0.025	SEUTe12gedEST
	fSEUTc11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTc11gedEST<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*integrate(fSEUTc11gedFIT, 0, 0.025)$value/0.025	SEUTc11gedEST
2.33425	fSEUTe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe11stdEST<-SEUTe11stdFORE@forecast$series+SEUTe11stdFORE@forecast$sigma*integrate(fSEUTe11stdFIT, 0, 0.025)$value/0.025	SEUTe11stdEST
2.668395	fSEUTc11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTc11stdEST<-SEUTc11stdFORE@forecast$series+SEUTc11stdFORE@forecast$sigma*integrate(fSEUTc11stdFIT, 0, 0.025)$value/0.025	SEUTc11stdEST
	fSEUTe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe11norEST<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*integrate(fSEUTe11norFIT, 0, 0.025)$value/0.025	SEUTe11norEST
	fSEUTe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe12norEST<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*integrate(fSEUTe12norFIT, 0, 0.025)$value/0.025	SEUTe12norEST
	fSETRe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSETRe11gedEST<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*integrate(fSETRe11gedFIT, 0, 0.025)$value/0.025	SETRe11gedEST
	fSETRs11norFIT = function(x) qdist("std", p=x, mu = 0, sigma =

	LITCs11gedFIT	fLITCs11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCs11gedESST<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*integrate(fLITCs11gedFIT, 0, 0.025)$value/0.025	LITCs11gedESST
	LITCc11gedFIT	fLITCc11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc11gedESST<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*integrate(fLITCc11gedFIT, 0, 0.025)$value/0.025	LITCc11gedESST
	LITCc12gedFIT	fLITCc12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc12gedESST<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*integrate(fLITCc12gedFIT, 0, 0.025)$value/0.025	LITCc12gedESST
	LITCs11norFIT	fLITCs11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCs11norESST<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*integrate(fLITCs11norFIT, 0, 0.025)$value/0.025	LITCs11norESST
	LITCe11norFIT	fLITCe11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCe11norESST<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*integrate(fLITCe11norFIT, 0, 0.025)$value/0.025	LITCe11norESST
	LITCe12norFIT	fLITCe12norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCe12norESST<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*integrate(fLITCe12norFIT, 0, 0.025)$value/0.025	LITCe12norESST
	LITCe21norFIT	fLITCe21norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCe21norESST<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*integrate(fLITCe21norFIT, 0, 0.025)$value/0.025	LITCe21norESST
	LITCg11norFIT	fLITCg11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCg11norESST<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*integrate(fLITCg11norFIT, 0, 0.025)$value/0.025	LITCg11norESST
	LITCc11norFIT	fLITCc11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc11norESST<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*integrate(fLITCc11norFIT, 0, 0.025)$value/0.025	LITCc11norESST
	LITCc12norFIT	fLITCc12norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc12norESST<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*integrate(fLITCc12norFIT, 0, 0.025)$value/0.025	LITCc12norESST
	GREXe11gedFIT	fGREXe11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	GREXe11gedESST<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*integrate(fGREXe11gedFIT, 0, 0.025)$value/0.025	GREXe11gedESST
	GREXe12gedFIT	fGREXe12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	GREXe12gedESST<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*integrate(fGREXe12gedFIT, 0, 0.025)$value/0.025	GREXe12gedESST
	GREXe21gedFIT	fGREXe21gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	GREXe21gedESST<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*integrate(fGREXe21gedFIT, 0, 0.025)$value/0.025	GREXe21gedESST
	DAXPs11gedFIT	fDAXPs11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPs11gedESST<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*integrate(fDAXPs11gedFIT, 0, 0.025)$value/0.025	DAXPs11gedESST
2.669937	DAXPs11stdFIT	fDAXPs11stdFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPs11stdESST<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*integrate(fDAXPs11stdFIT, 0, 0.025)$value/0.025	DAXPs11stdESST
	DAXPs12norFIT	fDAXPs12norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPs12norESST<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*integrate(fDAXPs12norFIT, 0, 0.025)$value/0.025	DAXPs12norESST
	DAXPe11norFIT	fDAXPe11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPe11norESST<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*integrate(fDAXPe11norFIT, 0, 0.025)$value/0.025	DAXPe11norESST
	DAXPg11norFIT	fDAXPg11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPg11norESST<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*integrate(fDAXPg11norFIT, 0, 0.025)$value/0.025	DAXPg11norESST

Df		Function	Expected Shortfall Normal Distribution	Extract Data
	DJACe11gedFIT	fnDJACe11ged= function(x) qdist("norm", p=x)	DJACe11gedESNO<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*integrate(fnDJACe11ged, 0, 0.025)$value/0.025	DJACe11gedESNO
	DJACe12gedFIT	fnDJACe12ged= function(x) qdist("norm", p=x)	DJACe12gedESNO<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*integrate(fnDJACe12ged, 0, 0.025)$value/0.025	DJACe12gedESNO
2.100003	DJACe11stdFIT	fnDJACe11std= function(x) qdist("norm", p=x)	DJACe11stdESNO<-DJACe11stdFORE@forecast$series+DJACe11stdFORE@forecast$sigma*integrate(fnDJACe11std, 0, 0.025)$value/0.025	DJACe11stdESNO
2.10432	DJACe12stdFIT	fnDJACe12std= function(x) qdist("norm", p=x)	DJACe12stdESNO<-DJACe12stdFORE@forecast$series+DJACe12stdFORE@forecast$sigma*integrate(fnDJACe12std, 0, 0.025)$value/0.025	DJACe12stdESNO
	DJACe11norFIT	fnDJACe11nor= function(x) qdist("norm", p=x)	DJACe11norESNO<-DJACe11norFORE@forecast$series+DJACe11norFORE@forecast$sigma*integrate(fnDJACe11nor, 0, 0.025)$value/0.025	DJACe11norESNO
	DJACe12norFIT	fnDJACe12norm= function(x) qdist("norm", p=x)	DJACe12norESNO<-DJACe12norFORE@forecast$series+DJACe12norFORE@forecast$sigma*integrate(fnDJACe12nor, 0, 0.025)$value/0.025	DJACe12norESNO
	DJACe21norFIT	fnDJACe21norm= function(x) qdist("norm", p=x)	DJACe21norESNO<-DJACe21norFORE@forecast$series+DJACe21norFORE@forecast$sigma*integrate(fnDJACe21nor, 0, 0.025)$value/0.025	DJACe21norESNO
	DJALs11gedFIT	fnDJALs11ged= function(x) qdist("norm", p=x)	DJALs11gedESNO<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*integrate(fnDJALs11ged, 0, 0.025)$value/0.025	DJALs11gedESNO
	DJALe11gedFIT	fnDJALe11ged= function(x) qdist("norm", p=x)	DJALe11gedESNO<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*integrate(fnDJALe11ged, 0, 0.025)$value/0.025	DJALe11gedESNO
	DJALe12gedFIT	fnDJALe12ged= function(x) qdist("norm", p=x)	DJALe12gedESNO<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*integrate(fnDJALe12ged, 0, 0.025)$value/0.025	DJALe12gedESNO
	DJALc11gedFIT	fnDJALc11ged= function(x) qdist("norm", p=x)	DJALc11gedESNO<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*integrate(fnDJALc11ged, 0, 0.025)$value/0.025	DJALc11gedESNO
2.63105	DJALe11stdFIT	fnDJALe11std= function(x) qdist("norm", p=x)	DJALe11stdESNO<-DJALe11stdFORE@forecast$series+DJALe11stdFORE@forecast$sigma*integrate(fnDJALe11std, 0, 0.025)$value/0.025	DJALe11stdESNO
2.664155	DJALg11stdFIT	fnDJALg11std= function(x) qdist("norm", p=x)	DJALg11stdESNO<-DJALg11stdFORE@forecast$series+DJALg11stdFORE@forecast$sigma*integrate(fnDJALg11std, 0, 0.025)$value/0.025	DJALg11stdESNO
	DJALe11norFIT	fnDJALe11norm= function(x) qdist("norm", p=x)	DJALe11norESNO<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*integrate(fnDJALe11nor, 0, 0.025)$value/0.025	DJALe11norESNO
	DJALe12norFIT	fnDJALe12norm= function(x) qdist("norm", p=x)	DJALe12norESNO<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*integrate(fnDJALe12nor, 0, 0.025)$value/0.025	DJALe12norESNO
	DJCCe11gedFIT	fnDJCCe11ged= function(x) qdist("norm", p=x)	DJCCe11gedESNO<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*integrate(fnDJCCe11ged, 0, 0.025)$value/0.025	DJCCe11gedESNO
	DJCCe12gedFIT	fnDJCCe12ged= function(x) qdist("norm", p=x)	DJCCe12gedESNO<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*integrate(fnDJCCe12ged, 0, 0.025)$value/0.025	DJCCe12gedESNO
3.297168	DJCCs11stdFIT	fnDJCCs11std= function(x) qdist("norm", p=x)	DJCCs11stdESNO<-DJCCs11stdFORE@forecast$series+DJCCs11stdFORE@forecast$sigma*integrate(fnDJCCs11std, 0, 0.025)$value/0.025	DJCCs11stdESNO
2.820568	DJCCe11stdFIT	fnDJCCe11std= function(x) qdist("norm", p=x)	DJCCe11stdESNO<-DJCCe11stdFORE@forecast$series+DJCCe11stdFORE@forecast$sigma*integrate(fnDJCCe11std, 0, 0.025)$value/0.025	DJCCe11stdESNO
	DJCFe22gedFIT	fnDJCFe22ged= function(x) qdist("norm", p=x)	DJCFe22gedESNO<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*integrate(fnDJCFe22ged, 0, 0.025)$value/0.025	DJCFe22gedESNO
	DJCFe12gedFIT	fnDJCFe12ged= function(x) qdist("norm", p=x)	DJCFe12gedESNO<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*integrate(fnDJCFe12ged, 0, 0.025)$value/0.025	DJCFe12gedESNO
	DJCFg21gedFIT	fnDJCFg21ged= function(x) qdist("norm", p=x)	DJCFg21gedESNO<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*integrate(fnDJCFg21ged, 0, 0.025)$value/0.025	DJCFg21gedESNO
2.811017	DJCFe21stdFIT	fnDJCFe21std= function(x) qdist("norm", p=x)	DJCFe21stdESNO<-DJCFe21stdFORE@forecast$series+DJCFe21stdFORE@forecast$sigma*integrate(fnDJCFe21std, 0, 0.025)$value/0.025	DJCFe21stdESNO
	DJCFe11norFIT	fnDJCFe11norm= function(x) qdist("norm", p=x)	DJCFe11norESNO<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*integrate(fnDJCFe11nor, 0, 0.025)$value/0.025	DJCFe11norESNO
	DJCFe22norFIT	fnDJCFe22norm= function(x) qdist("norm", p=x)	DJCFe22norESNO<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*integrate(fnDJCFe22nor, 0, 0.025)$value/0.025	DJCFe22norESNO
	DJCFe12norFIT	fnDJCFe12norm= function(x) qdist("norm", p=x)	DJCFe12norESNO<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*integrate(fnDJCFe12nor, 0, 0.025)$value/0.025	DJCFe12norESNO
	DJCFe21norFIT	fnDJCFe21norm= function(x) qdist("norm", p=x)	DJCFe21norESNO<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*integrate(fnDJCFe21nor, 0, 0.025)$value/0.025	DJCFe21norESNO
	DJCFg22norFIT	fnDJCFg22norm= function(x) qdist("norm", p=x)	DJCFg22norESNO<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*integrate(fnDJCFg22nor, 0, 0.025)$value/0.025	DJCFg22norESNO
	DJCFg21norFIT	fnDJCFg21norm= function(x) qdist("norm", p=x)	DJCFg21norESNO<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*integrate(fnDJCFg21nor, 0, 0.025)$value/0.025	DJCFg21norESNO
2.180832	DJCPe22stdFIT	fnDJCPe22std= function(x) qdist("norm", p=x)	DJCPe22stdESNO<-DJCPe22stdFORE@forecast$series+DJCPe22stdFORE@forecast$sigma*integrate(fnDJCPe22std, 0, 0.025)$value/0.025	DJCPe22stdESNO
2.218328	DJCPe21stdFIT	fnDJCPe21std= function(x) qdist("norm", p=x)	DJCPe21stdESNO<-DJCPe21stdFORE@forecast$series+DJCPe21stdFORE@forecast$sigma*integrate(fnDJCPe21std, 0, 0.025)$value/0.025	DJCPe21stdESNO
	DJCTg21gedFIT	fnDJCTg21ged= function(x) qdist("norm", p=x)	DJCTg21gedESNO<-DJCTg21gedFORE@forecast$series+DJCTg21gedFORE@forecast$sigma*integrate(fnDJCTg21ged, 0, 0.025)$value/0.025	DJCTg21gedESNO
2.799802	DJCTs12stdFIT	fnDJCTs12std= function(x) qdist("norm", p=x)	DJCTs12stdESNO<-DJCTs12stdFORE@forecast$series+DJCTs12stdFORE@forecast$sigma*integrate(fnDJCTs12std, 0, 0.025)$value/0.025	DJCTs12stdESNO
2.780122	DJCTe12stdFIT	fnDJCTe12std= function(x) qdist("norm", p=x)	DJCTe12stdESNO<-DJCTe12stdFORE@forecast$series+DJCTe12stdFORE@forecast$sigma*integrate(fnDJCTe12std, 0, 0.025)$value/0.025	DJCTe12stdESNO
	DJCTe11norFIT	fnDJCTe11norm= function(x) qdist("norm", p=x)	DJCTe11norESNO<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*integrate(fnDJCTe11nor, 0, 0.025)$value/0.025	DJCTe11norESNO
	DJCTe12norFIT	fnDJCTe12norm= function(x) qdist("norm", p=x)	DJCTe12norESNO<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*integrate(fnDJCTe12nor, 0, 0.025)$value/0.025	DJCTe12norESNO
	DJCTg12norFIT	fnDJCTg12norm= function(x) qdist("norm", p=x)	DJCTg12norESNO<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*integrate(fnDJCTg12nor, 0, 0.025)$value/0.025	DJCTg12norESNO
2.41309	DJNIs11stdFIT	fnDJNIs11std= function(x) qdist("norm", p=x)	DJNIs11stdESNO<-DJNIs11stdFORE@forecast$series+DJNIs11stdFORE@forecast$sigma*integrate(fnDJNIs11std, 0, 0.025)$value/0.025	DJNIs11stdESNO
2.180001	DJNIe21stdFIT	fnDJNIe21std= function(x) qdist("norm", p=x)	DJNIe21stdESNO<-DJNIe21stdFORE@forecast$series+DJNIe21stdFORE@forecast$sigma*integrate(fnDJNIe21std, 0, 0.025)$value/0.025	DJNIe21stdESNO
	DJNIe11norFIT	fnDJNIe11norm= function(x) qdist("norm", p=x)	DJNIe11norESNO<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*integrate(fnDJNIe11nor, 0, 0.025)$value/0.025	DJNIe11norESNO
	DJNIe22norFIT	fnDJNIe22norm= function(x) qdist("norm", p=x)	DJNIe22norESNO<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*integrate(fnDJNIe22nor, 0, 0.025)$value/0.025	DJNIe22norESNO
	DJSIg12gedFIT	fnDJSIg12ged= function(x) qdist("norm", p=x)	DJSIg12gedESNO<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*integrate(fnDJSIg12ged, 0, 0.025)$value/0.025	DJSIg12gedESNO
2.268247	DJSIs11stdFIT	fnDJSIs11std= function(x) qdist("norm", p=x)	DJSIs11stdESNO<-DJSIs11stdFORE@forecast$series+DJSIs11stdFORE@forecast$sigma*integrate(fnDJSIs11std, 0, 0.025)$value/0.025	DJSIs11stdESNO
2.265672	DJSIg11stdFIT	fnDJSIg11std= function(x) qdist("norm", p=x)	DJSIg11stdESNO<-DJSIg11stdFORE@forecast$series+DJSIg11stdFORE@forecast$sigma*integrate(fnDJSIg11std, 0, 0.025)$value/0.025	DJSIg11stdESNO
2.339681	DJSIc11stdFIT	fnDJSIc11std= function(x) qdist("norm", p=x)	DJSIc11stdESNO<-DJSIc11stdFORE@forecast$series+DJSIc11stdFORE@forecast$sigma*integrate(fnDJSIc11std, 0, 0.025)$value/0.025	DJSIc11stdESNO
2.133549	DJSUs11stdFIT	fnDJSUs11std= function(x) qdist("norm", p=x)	DJSUs11stdESNO<-DJSUs11stdFORE@forecast$series+DJSUs11stdFORE@forecast$sigma*integrate(fnDJSUs11std, 0, 0.025)$value/0.025	DJSUs11stdESNO
2.202969	DJSUe22stdFIT	fnDJSUe22std= function(x) qdist("norm", p=x)	DJSUe22stdESNO<-DJSUe22stdFORE@forecast$series+DJSUe22stdFORE@forecast$sigma*integrate(fnDJSUe22std, 0, 0.025)$value/0.025	DJSUe22stdESNO
2.189896	DJSUe21stdFIT	fnDJSUe21std= function(x) qdist("norm", p=x)	DJSUe21stdESNO<-DJSUe21stdFORE@forecast$series+DJSUe21stdFORE@forecast$sigma*integrate(fnDJSUe21std, 0, 0.025)$value/0.025	DJSUe21stdESNO
2.131863	DJSUg22stdFIT	fnDJSUg22std= function(x) qdist("norm", p=x)	DJSUg22stdESNO<-DJSUg22stdFORE@forecast$series+DJSUg22stdFORE@forecast$sigma*integrate(fnDJSUg22std, 0, 0.025)$value/0.025	DJSUg22stdESNO
2.136393	DJSUg21stdFIT	fnDJSUg21std= function(x) qdist("norm", p=x)	DJSUg21stdESNO<-DJSUg21stdFORE@forecast$series+DJSUg21stdFORE@forecast$sigma*integrate(fnDJSUg21std, 0, 0.025)$value/0.025	DJSUg21stdESNO
	DJSUs12norFIT	fnDJSUs12norm= function(x) qdist("norm", p=x)	DJSUs12norESNO<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*integrate(fnDJSUs12nor, 0, 0.025)$value/0.025	DJSUs12norESNO
	DJWEe11gedFIT	fnDJWEe11ged= function(x) qdist("norm", p=x)	DJWEe11gedESNO<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*integrate(fnDJWEe11ged, 0, 0.025)$value/0.025	DJWEe11gedESNO
	DJWEe12gedFIT	fnDJWEe12ged= function(x) qdist("norm", p=x)	DJWEe12gedESNO<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*integrate(fnDJWEe12ged, 0, 0.025)$value/0.025	DJWEe12gedESNO
3.174978	DJWEe11stdFIT	fnDJWEe11std= function(x) qdist("norm", p=x)	DJWEe11stdESNO<-DJWEe11stdFORE@forecast$series+DJWEe11stdFORE@forecast$sigma*integrate(fnDJWEe11std, 0, 0.025)$value/0.025	DJWEe11stdESNO
3.1672	DJWEe12stdFIT	fnDJWEe12std= function(x) qdist("norm", p=x)	DJWEe12stdESNO<-DJWEe12stdFORE@forecast$series+DJWEe12stdFORE@forecast$sigma*integrate(fnDJWEe12std, 0, 0.025)$value/0.025	DJWEe12stdESNO
	DJWEe11norFIT	fnDJWEe11norm= function(x) qdist("norm", p=x)	DJWEe11norESNO<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*integrate(fnDJWEe11nor, 0, 0.025)$value/0.025	DJWEe11norESNO
	DJWEe12norFIT	fnDJWEe12norm= function(x) qdist("norm", p=x)	DJWEe12norESNO<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*integrate(fnDJWEe12nor, 0, 0.025)$value/0.025	DJWEe12norESNO
	DJWEg11norFIT	fnDJWEg11norm= function(x) qdist("norm", p=x)	DJWEg11norESNO<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*integrate(fnDJWEg11nor, 0, 0.025)$value/0.025	DJWEg11norESNO
2.343198	DJZIe22stdFIT	fnDJZIe22std= function(x) qdist("norm", p=x)	DJZIe22stdESNO<-DJZIe22stdFORE@forecast$series+DJZIe22stdFORE@forecast$sigma*integrate(fnDJZIe22std, 0, 0.025)$value/0.025	DJZIe22stdESNO
2.359452	DJZIe21stdFIT	fnDJZIe21std= function(x) qdist("norm", p=x)	DJZIe21stdESNO<-DJZIe21stdFORE@forecast$series+DJZIe21stdFORE@forecast$sigma*integrate(fnDJZIe21std, 0, 0.025)$value/0.025	DJZIe21stdESNO
	DJZIs11norFIT	fnDJZIs11norm= function(x) qdist("norm", p=x)	DJZIs11norESNO<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*integrate(fnDJZIs11nor, 0, 0.025)$value/0.025	DJZIs11norESNO
	DJZIe11norFIT	fnDJZIe11norm= function(x) qdist("norm", p=x)	DJZIe11norESNO<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*integrate(fnDJZIe11nor, 0, 0.025)$value/0.025	DJZIe11norESNO
	DJZIe12norFIT	fnDJZIe12norm= function(x) qdist("norm", p=x)	DJZIe12norESNO<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*integrate(fnDJZIe12nor, 0, 0.025)$value/0.025	DJZIe12norESNO
	DJZIg12norFIT	fnDJZIg12norm= function(x) qdist("norm", p=x)	DJZIg12norESNO<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*integrate(fnDJZIg12nor, 0, 0.025)$value/0.025	DJZIg12norESNO
	DJLHe11gedFIT	fnDJLHe11ged= function(x) qdist("norm", p=x)	DJLHe11gedESNO<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*integrate(fnDJLHe11ged, 0, 0.025)$value/0.025	DJLHe11gedESNO
	DJLHe12gedFIT	fnDJLHe12ged= function(x) qdist("norm", p=x)	DJLHe12gedESNO<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*integrate(fnDJLHe12ged, 0, 0.025)$value/0.025	DJLHe12gedESNO
2.476015	DJLHe11stdFIT	fnDJLHe11std= function(x) qdist("norm", p=x)	DJLHe11stdESNO<-DJLHe11stdFORE@forecast$series+DJLHe11stdFORE@forecast$sigma*integrate(fnDJLHe11std, 0, 0.025)$value/0.025	DJLHe11stdESNO
2.514619	DJLHe12stdFIT	fnDJLHe12std= function(x) qdist("norm", p=x)	DJLHe12stdESNO<-DJLHe12stdFORE@forecast$series+DJLHe12stdFORE@forecast$sigma*integrate(fnDJLHe12std, 0, 0.025)$value/0.025	DJLHe12stdESNO
	DJLHe11norFIT	fnDJLHe11norm= function(x) qdist("norm", p=x)	DJLHe11norESNO<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*integrate(fnDJLHe11nor, 0, 0.025)$value/0.025	DJLHe11norESNO
	DJLHe12norFIT	fnDJLHe12norm= function(x) qdist("norm", p=x)	DJLHe12norESNO<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*integrate(fnDJLHe12nor, 0, 0.025)$value/0.025	DJLHe12norESNO
3.647092	DJNGe21stdFIT	fnDJNGe21std= function(x) qdist("norm", p=x)	DJNGe21stdESNO<-DJNGe21stdFORE@forecast$series+DJNGe21stdFORE@forecast$sigma*integrate(fnDJNGe21std, 0, 0.025)$value/0.025	DJNGe21stdESNO
	DJNGe12norFIT	fnDJNGe12norm= function(x) qdist("norm", p=x)	DJNGe12norESNO<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*integrate(fnDJNGe12nor, 0, 0.025)$value/0.025	DJNGe12norESNO
	DJPEe11gedFIT	fnDJPEe11ged= function(x) qdist("norm", p=x)	DJPEe11gedESNO<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*integrate(fnDJPEe11ged, 0, 0.025)$value/0.025	DJPEe11gedESNO
	DJPEe12gedFIT	fnDJPEe12ged= function(x) qdist("norm", p=x)	DJPEe12gedESNO<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*integrate(fnDJPEe12ged, 0, 0.025)$value/0.025	DJPEe12gedESNO
2.487423	DJPEe11stdFIT	fnDJPEe11std= function(x) qdist("norm", p=x)	DJPEe11stdESNO<-DJPEe11stdFORE@forecast$series+DJPEe11stdFORE@forecast$sigma*integrate(fnDJPEe11std, 0, 0.025)$value/0.025	DJPEe11stdESNO
2.514982	DJPEe12stdFIT	fnDJPEe12std= function(x) qdist("norm", p=x)	DJPEe12stdESNO<-DJPEe12stdFORE@forecast$series+DJPEe12stdFORE@forecast$sigma*integrate(fnDJPEe12std, 0, 0.025)$value/0.025	DJPEe12stdESNO
	DJPEe11norFIT	fnDJPEe11norm= function(x) qdist("norm", p=x)	DJPEe11norESNO<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*integrate(fnDJPEe11nor, 0, 0.025)$value/0.025	DJPEe11norESNO
	DJPEe12norFIT	fnDJPEe12norm= function(x) qdist("norm", p=x)	DJPEe12norESNO<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*integrate(fnDJPEe12nor, 0, 0.025)$value/0.025	DJPEe12norESNO
	DJSOe21gedFIT	fnDJSOe21ged= function(x) qdist("norm", p=x)	DJSOe21gedESNO<-DJSOe21gedFORE@forecast$series+DJSOe21gedFORE@forecast$sigma*integrate(fnDJSOe21ged, 0, 0.025)$value/0.025	DJSOe21gedESNO
2.670871	DJSOe21stdFIT	fnDJSOe21std= function(x) qdist("norm", p=x)	DJSOe21stdESNO<-DJSOe21stdFORE@forecast$series+DJSOe21stdFORE@forecast$sigma*integrate(fnDJSOe21std, 0, 0.025)$value/0.025	DJSOe21stdESNO
	DJSOe11norFIT	fnDJSOe11norm= function(x) qdist("norm", p=x)	DJSOe11norESNO<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*integrate(fnDJSOe11nor, 0, 0.025)$value/0.025	DJSOe11norESNO
	DJSOe22norFIT	fnDJSOe22norm= function(x) qdist("norm", p=x)	DJSOe22norESNO<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*integrate(fnDJSOe22nor, 0, 0.025)$value/0.025	DJSOe22norESNO
	DJSOe12norFIT	fnDJSOe12norm= function(x) qdist("norm", p=x)	DJSOe12norESNO<-DJSOe12norFORE@forecast$series+DJSOe12norFORE@forecast$sigma*integrate(fnDJSOe12nor, 0, 0.025)$value/0.025	DJSOe12norESNO
	SEFFe11gedFIT	fnSEFFe11ged= function(x) qdist("norm", p=x)	SEFFe11gedESNO<-SEFFe11gedFORE@forecast$series+SEFFe11gedFORE@forecast$sigma*integrate(fnSEFFe11ged, 0, 0.025)$value/0.025	SEFFe11gedESNO
	SEFFe12gedFIT	fnSEFFe12ged= function(x) qdist("norm", p=x)	SEFFe12gedESNO<-SEFFe12gedFORE@forecast$series+SEFFe12gedFORE@forecast$sigma*integrate(fnSEFFe12ged, 0, 0.025)$value/0.025	SEFFe12gedESNO
2.22418	SEFFe11stdFIT	fnSEFFe11std= function(x) qdist("norm", p=x)	SEFFe11stdESNO<-SEFFe11stdFORE@forecast$series+SEFFe11stdFORE@forecast$sigma*integrate(fnSEFFe11std, 0, 0.025)$value/0.025	SEFFe11stdESNO
2.19512	SEFFe12stdFIT	fnSEFFe12std= function(x) qdist("norm", p=x)	SEFFe12stdESNO<-SEFFe12stdFORE@forecast$series+SEFFe12stdFORE@forecast$sigma*integrate(fnSEFFe12std, 0, 0.025)$value/0.025	SEFFe12stdESNO
	SEFFs11norFIT	fnSEFFs11norm= function(x) qdist("norm", p=x)	SEFFs11norESNO<-SEFFs11norFORE@forecast$series+SEFFs11norFORE@forecast$sigma*integrate(fnSEFFs11nor, 0, 0.025)$value/0.025	SEFFs11norESNO
	SEFFe11norFIT	fnSEFFe11norm= function(x) qdist("norm", p=x)	SEFFe11norESNO<-SEFFe11norFORE@forecast$series+SEFFe11norFORE@forecast$sigma*integrate(fnSEFFe11nor, 0, 0.025)$value/0.025	SEFFe11norESNO
	SEFFe12norFIT	fnSEFFe12norm= function(x) qdist("norm", p=x)	SEFFe12norESNO<-SEFFe12norFORE@forecast$series+SEFFe12norFORE@forecast$sigma*integrate(fnSEFFe12nor, 0, 0.025)$value/0.025	SEFFe12norESNO
	SEECs11gedFIT	fnSEECs11ged= function(x) qdist("norm", p=x)	SEECs11gedESNO<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*integrate(fnSEECs11ged, 0, 0.025)$value/0.025	SEECs11gedESNO
	SEECe11gedFIT	fnSEECe11ged= function(x) qdist("norm", p=x)	SEECe11gedESNO<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*integrate(fnSEECe11ged, 0, 0.025)$value/0.025	SEECe11gedESNO
	SEECe12gedFIT	fnSEECe12ged= function(x) qdist("norm", p=x)	SEECe12gedESNO<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*integrate(fnSEECe12ged, 0, 0.025)$value/0.025	SEECe12gedESNO
2.367729	SEECe12stdFIT	fnSEECe12std= function(x) qdist("norm", p=x)	SEECe12stdESNO<-SEECe12stdFORE@forecast$series+SEECe12stdFORE@forecast$sigma*integrate(fnSEECe12std, 0, 0.025)$value/0.025	SEECe12stdESNO
	SEECs12norFIT	fnSEECs12norm= function(x) qdist("norm", p=x)	SEECs12norESNO<-SEECs12norFORE@forecast$series+SEECs12norFORE@forecast$sigma*integrate(fnSEECs12nor, 0, 0.025)$value/0.025	SEECs12norESNO
	SEECe12norFIT	fnSEECe12norm= function(x) qdist("norm", p=x)	SEECe12norESNO<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*integrate(fnSEECe12nor, 0, 0.025)$value/0.025	SEECe12norESNO
	SEFLe11gedFIT	fnSEFLe11ged= function(x) qdist("norm", p=x)	SEFLe11gedESNO<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*integrate(fnSEFLe11ged, 0, 0.025)$value/0.025	SEFLe11gedESNO
	SEFLg11gedFIT	fnSEFLg11ged= function(x) qdist("norm", p=x)	SEFLg11gedESNO<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*integrate(fnSEFLg11ged, 0, 0.025)$value/0.025	SEFLg11gedESNO
	SEFLe11norFIT	fnSEFLe11norm= function(x) qdist("norm", p=x)	SEFLe11norESNO<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*integrate(fnSEFLe11nor, 0, 0.025)$value/0.025	SEFLe11norESNO
	SEFLe12norFIT	fnSEFLe12norm= function(x) qdist("norm", p=x)	SEFLe12norESNO<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*integrate(fnSEFLe12nor, 0, 0.025)$value/0.025	SEFLe12norESNO
	SEUTe11gedFIT	fnSEUTe11ged= function(x) qdist("norm", p=x)	SEUTe11gedESNO<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*integrate(fnSEUTe11ged, 0, 0.025)$value/0.025	SEUTe11gedESNO
	SEUTe12gedFIT	fnSEUTe12ged= function(x) qdist("norm", p=x)	SEUTe12gedESNO<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*integrate(fnSEUTe12ged, 0, 0.025)$value/0.025	SEUTe12gedESNO
	SEUTc11gedFIT	fnSEUTc11ged= function(x) qdist("norm", p=x)	SEUTc11gedESNO<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*integrate(fnSEUTc11ged, 0, 0.025)$value/0.025	SEUTc11gedESNO
2.33425	SEUTe11stdFIT	fnSEUTe11std= function(x) qdist("norm", p=x)	SEUTe11stdESNO<-SEUTe11stdFORE@forecast$series+SEUTe11stdFORE@forecast$sigma*integrate(fnSEUTe11std, 0, 0.025)$value/0.025	SEUTe11stdESNO
2.668395	SEUTc11stdFIT	fnSEUTc11std= function(x) qdist("norm", p=x)	SEUTc11stdESNO<-SEUTc11stdFORE@forecast$series+SEUTc11stdFORE@forecast$sigma*integrate(fnSEUTc11std, 0, 0.025)$value/0.025	SEUTc11stdESNO
	SEUTe11norFIT	fnSEUTe11norm= function(x) qdist("norm", p=x)	SEUTe11norESNO<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*integrate(fnSEUTe11nor, 0, 0.025)$value/0.025	SEUTe11norESNO
	SEUTe12norFIT	fnSEUTe12norm= function(x) qdist("norm", p=x)	SEUTe12norESNO<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*integrate(fnSEUTe12nor, 0, 0.025)$value/0.025	SEUTe12norESNO
	SETRe11gedFIT	fnSETRe11ged= function(x) qdist("norm", p=x)	SETRe11gedESNO<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*integrate(fnSETRe11ged, 0, 0.025)$value/0.025	SETRe11gedESNO
	SETRs11norFIT	fnSETRs11norm= function(x) qdist("norm", p=x)	SETRs11norESNO<-SETRs11norFORE@forecast$series+SETRs11norFORE@forecast$sigma*integrate(fnSETRs11nor, 0, 0.025)$value/0.025	SETRs11norESNO
	SETRe11norFIT	fnSETRe11norm= function(x) qdist("norm", p=x)	SETRe11norESNO<-SETRe11norFORE@forecast$series+SETRe11norFORE@forecast$sigma*integrate(fnSETRe11nor, 0, 0.025)$value/0.025	SETRe11norESNO
	SETRe12norFIT	fnSETRe12norm= function(x) qdist("norm", p=x)	SETRe12norESNO<-SETRe12norFORE@forecast$series+SETRe12norFORE@forecast$sigma*integrate(fnSETRe12nor, 0, 0.025)$value/0.025	SETRe12norESNO
	SETRg12norFIT	fnSETRg12norm= function(x) qdist("norm", p=x)	SETRg12norESNO<-SETRg12norFORE@forecast$series+SETRg12norFORE@forecast$sigma*integrate(fnSETRg12nor, 0, 0.025)$value/0.025	SETRg12norESNO
	SEMDe11gedFIT	fnSEMDe11ged= function(x) qdist("norm", p=x)	SEMDe11gedESNO<-SEMDe11gedFORE@forecast$series+SEMDe11gedFORE@forecast$sigma*integrate(fnSEMDe11ged, 0, 0.025)$value/0.025	SEMDe11gedESNO
	SEMDe12gedFIT	fnSEMDe12ged= function(x) qdist("norm", p=x)	SEMDe12gedESNO<-SEMDe12gedFORE@forecast$series+SEMDe12gedFORE@forecast$sigma*integrate(fnSEMDe12ged, 0, 0.025)$value/0.025	SEMDe12gedESNO
2.244801	SEMDe11stdFIT	fnSEMDe11std= function(x) qdist("norm", p=x)	SEMDe11stdESNO<-SEMDe11stdFORE@forecast$series+SEMDe11stdFORE@forecast$sigma*integrate(fnSEMDe11std, 0, 0.025)$value/0.025	SEMDe11stdESNO
	SEMDe11norFIT	fnSEMDe11norm= function(x) qdist("norm", p=x)	SEMDe11norESNO<-SEMDe11norFORE@forecast$series+SEMDe11norFORE@forecast$sigma*integrate(fnSEMDe11nor, 0, 0.025)$value/0.025	SEMDe11norESNO
	SEOGe11gedFIT	fnSEOGe11ged= function(x) qdist("norm", p=x)	SEOGe11gedESNO<-SEOGe11gedFORE@forecast$series+SEOGe11gedFORE@forecast$sigma*integrate(fnSEOGe11ged, 0, 0.025)$value/0.025	SEOGe11gedESNO
	SEOGe12gedFIT	fnSEOGe12ged= function(x) qdist("norm", p=x)	SEOGe12gedESNO<-SEOGe12gedFORE@forecast$series+SEOGe12gedFORE@forecast$sigma*integrate(fnSEOGe12ged, 0, 0.025)$value/0.025	SEOGe12gedESNO
2.182368	SEOGe11stdFIT	fnSEOGe11std= function(x) qdist("norm", p=x)	SEOGe11stdESNO<-SEOGe11stdFORE@forecast$series+SEOGe11stdFORE@forecast$sigma*integrate(fnSEOGe11std, 0, 0.025)$value/0.025	SEOGe11stdESNO
	SEOGe11norFIT	fnSEOGe11

	LITCs11gedFIT	fnLITCs11ged= function(x) qdist("norm", p=x)	LITCs11gedESNO<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*integrate(fnLITCs11ged, 0, 0.025)$value/0.025	LITCs11gedESNO
	LITCc11gedFIT	fnLITCc11ged= function(x) qdist("norm", p=x)	LITCc11gedESNO<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*integrate(fnLITCc11ged, 0, 0.025)$value/0.025	LITCc11gedESNO
	LITCc12gedFIT	fnLITCc12ged= function(x) qdist("norm", p=x)	LITCc12gedESNO<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*integrate(fnLITCc12ged, 0, 0.025)$value/0.025	LITCc12gedESNO
	LITCs11norFIT	fnLITCs11norm= function(x) qdist("norm", p=x)	LITCs11norESNO<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*integrate(fnLITCs11nor, 0, 0.025)$value/0.025	LITCs11norESNO
	LITCe11norFIT	fnLITCe11norm= function(x) qdist("norm", p=x)	LITCe11norESNO<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*integrate(fnLITCe11nor, 0, 0.025)$value/0.025	LITCe11norESNO
	LITCe12norFIT	fnLITCe12norm= function(x) qdist("norm", p=x)	LITCe12norESNO<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*integrate(fnLITCe12nor, 0, 0.025)$value/0.025	LITCe12norESNO
	LITCe21norFIT	fnLITCe21norm= function(x) qdist("norm", p=x)	LITCe21norESNO<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*integrate(fnLITCe21nor, 0, 0.025)$value/0.025	LITCe21norESNO
	LITCg11norFIT	fnLITCg11norm= function(x) qdist("norm", p=x)	LITCg11norESNO<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*integrate(fnLITCg11nor, 0, 0.025)$value/0.025	LITCg11norESNO
	LITCc11norFIT	fnLITCc11norm= function(x) qdist("norm", p=x)	LITCc11norESNO<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*integrate(fnLITCc11nor, 0, 0.025)$value/0.025	LITCc11norESNO
	LITCc12norFIT	fnLITCc12norm= function(x) qdist("norm", p=x)	LITCc12norESNO<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*integrate(fnLITCc12nor, 0, 0.025)$value/0.025	LITCc12norESNO
	GREXe11gedFIT	fnGREXe11ged= function(x) qdist("norm", p=x)	GREXe11gedESNO<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*integrate(fnGREXe11ged, 0, 0.025)$value/0.025	GREXe11gedESNO
	GREXe12gedFIT	fnGREXe12ged= function(x) qdist("norm", p=x)	GREXe12gedESNO<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*integrate(fnGREXe12ged, 0, 0.025)$value/0.025	GREXe12gedESNO
	GREXe21gedFIT	fnGREXe21ged= function(x) qdist("norm", p=x)	GREXe21gedESNO<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*integrate(fnGREXe21ged, 0, 0.025)$value/0.025	GREXe21gedESNO
	DAXPs11gedFIT	fnDAXPs11ged= function(x) qdist("norm", p=x)	DAXPs11gedESNO<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*integrate(fnDAXPs11ged, 0, 0.025)$value/0.025	DAXPs11gedESNO
2.669937	DAXPs11stdFIT	fnDAXPs11std= function(x) qdist("norm", p=x)	DAXPs11stdESNO<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*integrate(fnDAXPs11std, 0, 0.025)$value/0.025	DAXPs11stdESNO
	DAXPs12norFIT	fnDAXPs12norm= function(x) qdist("norm", p=x)	DAXPs12norESNO<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*integrate(fnDAXPs12nor, 0, 0.025)$value/0.025	DAXPs12norESNO
	DAXPe11norFIT	fnDAXPe11norm= function(x) qdist("norm", p=x)	DAXPe11norESNO<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*integrate(fnDAXPe11nor, 0, 0.025)$value/0.025	DAXPe11norESNO
	DAXPg11norFIT	fnDAXPg11norm= function(x) qdist("norm", p=x)	DAXPg11norESNO<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*integrate(fnDAXPg11nor, 0, 0.025)$value/0.025	DAXPg11norESNO

# ES Backtest under Student t distribution --> Backtesteted with Student t distribution, BM stands for Backtesting McNeil		
Model	Code	Extract Data
DJACe11gedESST	DJACe11gedBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe11gedESST,DJACe11gedVRST, boot=TRUE)	DJACe11gedBMST
DJACe12gedESST	DJACe12gedBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe12gedESST,DJACe12gedVRST, boot=TRUE)	DJACe12gedBMST
DJACe11stdESST	DJACe11stdBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe11stdESST,DJACe11stdVRST, boot=TRUE)	DJACe11stdBMST
DJACe12stdESST	DJACe12stdBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe12stdESST,DJACe12stdVRST, boot=TRUE)	DJACe12stdBMST
DJACe11norESST	DJACe11norBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe11norESST,DJACe11norVRST, boot=TRUE)	DJACe11norBMST
DJACe12norESST	DJACe12norBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe12norESST,DJACe12norVRST, boot=TRUE)	DJACe12norBMST
DJACe2norESST	DJACe2norBMSTc-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe2norESST,DJACe2norVRST, boot=TRUE)	DJACe2norBMST
DJALs11gedESST	DJALs11gedBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALs11gedESST,DJALs11gedVRST, boot=TRUE)	DJALs11gedBMST
DJALe11gedESST	DJALe11gedBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe11gedESST,DJALe11gedVRST, boot=TRUE)	DJALe11gedBMST
DJALe12gedESST	DJALe12gedBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe12gedESST,DJALe12gedVRST, boot=TRUE)	DJALe12gedBMST
DJALc11gedESST	DJALc11gedBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALc11gedESST,DJALc11gedVRST, boot=TRUE)	DJALc11gedBMST
DJALe11stdESST	DJALe11stdBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe11stdESST,DJALe11stdVRST, boot=TRUE)	DJALe11stdBMST
DJALg11stdESST	DJALg11stdBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALg11stdESST,DJALg11stdVRST, boot=TRUE)	DJALg11stdBMST
DJALe11norESST	DJALe11norBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe11norESST,DJALe11norVRST, boot=TRUE)	DJALe11norBMST
DJALe12norESST	DJALe12norBMSTc-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe12norESST,DJALe12norVRST, boot=TRUE)	DJALe12norBMST
DJCCe11gedESST	DJCCe11gedBMSTc-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCe11gedESST,DJCCe11gedVRST, boot=TRUE)	DJCCe11gedBMST
DJCCe12gedESST	DJCCe12gedBMSTc-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCe12gedESST,DJCCe12gedVRST, boot=TRUE)	DJCCe12gedBMST
DJCCc11stdESST	DJCCc11stdBMSTc-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCc11stdESST,DJCCc11stdVRST, boot=TRUE)	DJCCc11stdBMST
DJCCe11stdESST	DJCCe11stdBMSTc-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCe11stdESST,DJCCe11stdVRST, boot=TRUE)	DJCCe11stdBMST
DJCFe22gedESST	DJCFe22gedBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe22gedESST,DJCFe22gedVRST, boot=TRUE)	DJCFe22gedBMST
DJCFe12gedESST	DJCFe12gedBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe12gedESST,DJCFe12gedVRST, boot=TRUE)	DJCFe12gedBMST
DJCFg21gedESST	DJCFg21gedBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFg21gedESST,DJCFg21gedVRST, boot=TRUE)	DJCFg21gedBMST
DJCFe21stdESST	DJCFe21stdBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe21stdESST,DJCFe21stdVRST, boot=TRUE)	DJCFe21stdBMST
DJCFe11norESST	DJCFe11norBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe11norESST,DJCFe11norVRST, boot=TRUE)	DJCFe11norBMST
DJCFe22norESST	DJCFe22norBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe22norESST,DJCFe22norVRST, boot=TRUE)	DJCFe22norBMST
DJCFe12norESST	DJCFe12norBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe12norESST,DJCFe12norVRST, boot=TRUE)	DJCFe12norBMST
DJCFe21norESST	DJCFe21norBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe21norESST,DJCFe21norVRST, boot=TRUE)	DJCFe21norBMST
DJCFg22norESST	DJCFg22norBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFg22norESST,DJCFg22norVRST, boot=TRUE)	DJCFg22norBMST
DJCFg21norESST	DJCFg21norBMSTc-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFg21norESST,DJCFg21norVRST, boot=TRUE)	DJCFg21norBMST
DJCPe22stdESST	DJCPe22stdBMSTc-ESTest(0.025, datDJCPretOUTSA$rev.DJCPretOUTSA, DJCPe22stdESST,DJCPe22stdVRST, boot=TRUE)	DJCPe22stdBMST
DJCPe21stdESST	DJCPe21stdBMSTc-ESTest(0.025, datDJCPretOUTSA$rev.DJCPretOUTSA, DJCPe21stdESST,DJCPe21stdVRST, boot=TRUE)	DJCPe21stdBMST
DJCTg21gedESST	DJCTg21gedBMSTc-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTg21gedESST,DJCTg21gedVRST, boot=TRUE)	DJCTg21gedBMST
DJCTs12stdESST	DJCTs12stdBMSTc-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTs12stdESST,DJCTs12stdVRST, boot=TRUE)	DJCTs12stdBMST
DJCTe12stdESST	DJCTe12stdBMSTc-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTe12stdESST,DJCTe12stdVRST, boot=TRUE)	DJCTe12stdBMST
DJCTe11norESST	DJCTe11norBMSTc-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTe11norESST,DJCTe11norVRST, boot=TRUE)	DJCTe11norBMST
DJCTe12norESST	DJCTe12norBMSTc-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTe12norESST,DJCTe12norVRST, boot=TRUE)	DJCTe12norBMST
DJCTg12norESST	DJCTg12norBMSTc-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTg12norESST,DJCTg12norVRST, boot=TRUE)	DJCTg12norBMST
DJNIs11stdESST	DJNIs11stdBMSTc-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIs11stdESST,DJNIs11stdVRST, boot=TRUE)	DJNIs11stdBMST
DJNIe12stdESST	DJNIe12stdBMSTc-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIe12stdESST,DJNIe12stdVRST, boot=TRUE)	DJNIe12stdBMST
DJNIe11norESST	DJNIe11norBMSTc-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIe11norESST,DJNIe11norVRST, boot=TRUE)	DJNIe11norBMST
DJNIe22norESST	DJNIe22norBMSTc-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIe22norESST,DJNIe22norVRST, boot=TRUE)	DJNIe22norBMST
DJSIg12gedESST	DJSIg12gedBMSTc-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIg12gedESST,DJSIg12gedVRST, boot=TRUE)	DJSIg12gedBMST
DJSIs11stdESST	DJSIs11stdBMSTc-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIs11stdESST,DJSIs11stdVRST, boot=TRUE)	DJSIs11stdBMST
DJSIg11stdESST	DJSIg11stdBMSTc-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIg11stdESST,DJSIg11stdVRST, boot=TRUE)	DJSIg11stdBMST
DJSIc11stdESST	DJSIc11stdBMSTc-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIc11stdESST,DJSIc11stdVRST, boot=TRUE)	DJSIc11stdBMST
DJSUs11stdESST	DJSUs11stdBMSTc-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUs11stdESST,DJSUs11stdVRST, boot=TRUE)	DJSUs11stdBMST
DJSUe22stdESST	DJSUe22stdBMSTc-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUe22stdESST,DJSUe22stdVRST, boot=TRUE)	DJSUe22stdBMST
DJSUe21stdESST	DJSUe21stdBMSTc-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUe21stdESST,DJSUe21stdVRST, boot=TRUE)	DJSUe21stdBMST
DJSUg22stdESST	DJSUg22stdBMSTc-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUg22stdESST,DJSUg22stdVRST, boot=TRUE)	DJSUg22stdBMST
DJSUg21stdESST	DJSUg21stdBMSTc-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUg21stdESST,DJSUg21stdVRST, boot=TRUE)	DJSUg21stdBMST
DJSUs12norESST	DJSUs12norBMSTc-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUs12norESST,DJSUs12norVRST, boot=TRUE)	DJSUs12norBMST
DJWEe11gedESST	DJWEe11gedBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe11gedESST,DJWEe11gedVRST, boot=TRUE)	DJWEe11gedBMST
DJWEe12gedESST	DJWEe12gedBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe12gedESST,DJWEe12gedVRST, boot=TRUE)	DJWEe12gedBMST
DJWEe11stdESST	DJWEe11stdBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe11stdESST,DJWEe11stdVRST, boot=TRUE)	DJWEe11stdBMST
DJWEe12stdESST	DJWEe12stdBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe12stdESST,DJWEe12stdVRST, boot=TRUE)	DJWEe12stdBMST
DJWEe11norESST	DJWEe11norBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe11norESST,DJWEe11norVRST, boot=TRUE)	DJWEe11norBMST
DJWEe12norESST	DJWEe12norBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe12norESST,DJWEe12norVRST, boot=TRUE)	DJWEe12norBMST
DJWEg11norESST	DJWEg11norBMSTc-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEg11norESST,DJWEg11norVRST, boot=TRUE)	DJWEg11norBMST
DJZIe22stdESST	DJZIe22stdBMSTc-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe22stdESST,DJZIe22stdVRST, boot=TRUE)	DJZIe22stdBMST
DJZIe21stdESST	DJZIe21stdBMSTc-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe21stdESST,DJZIe21stdVRST, boot=TRUE)	DJZIe21stdBMST
DJZIs11norESST	DJZIs11norBMSTc-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIs11norESST,DJZIs11norVRST, boot=TRUE)	DJZIs11norBMST
DJZIe11norESST	DJZIe11norBMSTc-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe11norESST,DJZIe11norVRST, boot=TRUE)	DJZIe11norBMST
DJZIe12norESST	DJZIe12norBMSTc-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe12norESST,DJZIe12norVRST, boot=TRUE)	DJZIe12norBMST
DJZIg12norESST	DJZIg12norBMSTc-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIg12norESST,DJZIg12norVRST, boot=TRUE)	DJZIg12norBMST
DJLHe11gedESST	DJLHe11gedBMSTc-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe11gedESST,DJLHe11gedVRST, boot=TRUE)	DJLHe11gedBMST
DJLHe12gedESST	DJLHe12gedBMSTc-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe12gedESST,DJLHe12gedVRST, boot=TRUE)	DJLHe12gedBMST
DJLHe11stdESST	DJLHe11stdBMSTc-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe11stdESST,DJLHe11stdVRST, boot=TRUE)	DJLHe11stdBMST
DJLHe12stdESST	DJLHe12stdBMSTc-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe12stdESST,DJLHe12stdVRST, boot=TRUE)	DJLHe12stdBMST
DJLHe11norESST	DJLHe11norBMSTc-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe11norESST,DJLHe11norVRST, boot=TRUE)	DJLHe11norBMST
DJLHe12norESST	DJLHe12norBMSTc-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe12norESST,DJLHe12norVRST, boot=TRUE)	DJLHe12norBMST
DJNGe21stdESST	DJNGe21stdBMSTc-ESTest(0.025, datDJNGretOUTSA$rev.DJNGretOUTSA, DJNGe21stdESST,DJNGe21stdVRST, boot=TRUE)	DJNGe21stdBMST
DJNGe21norESST	DJNGe21norBMSTc-ESTest(0.025, datDJNGretOUTSA$rev.DJNGretOUTSA, DJNGe21norESST,DJNGe21norVRST, boot=TRUE)	DJNGe21norBMST
DJPEe11gedESST	DJPEe11gedBMSTc-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe11gedESST,DJPEe11gedVRST, boot=TRUE)	DJPEe11gedBMST
DJPEe12gedESST	DJPEe12gedBMSTc-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe12gedESST,DJPEe12gedVRST, boot=TRUE)	DJPEe12gedBMST
DJPEe11stdESST	DJPEe11stdBMSTc-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe11stdESST,DJPEe11stdVRST, boot=TRUE)	DJPEe11stdBMST
DJPEe12stdESST	DJPEe12stdBMSTc-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe12stdESST,DJPEe12stdVRST, boot=TRUE)	DJPEe12stdBMST
DJPEe11norESST	DJPEe11norBMSTc-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe11norESST,DJPEe11norVRST, boot=TRUE)	DJPEe11norBMST
DJPEe12norESST	DJPEe12norBMSTc-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe12norESST,DJPEe12norVRST, boot=TRUE)	DJPEe12norBMST
DJSOe21gedESST	DJSOe21gedBMSTc-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe21gedESST,DJSOe21gedVRST, boot=TRUE)	DJSOe21gedBMST
DJSOe21stdESST	DJSOe21stdBMSTc-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe21stdESST,DJSOe21stdVRST, boot=TRUE)	DJSOe21stdBMST
DJSOe11norESST	DJSOe11norBMSTc-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe11norESST,DJSOe11norVRST, boot=TRUE)	DJSOe11norBMST
DJSOe22norESST	DJSOe22norBMSTc-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe22norESST,DJSOe22norVRST, boot=TRUE)	DJSOe22norBMST
DJSOe21norESST	DJSOe21norBMSTc-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe21norESST,DJSOe21norVRST, boot=TRUE)	DJSOe21norBMST
SEFPs11gedESST	SEFPs11gedBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPs11gedESST,SEFPs11gedVRST, boot=TRUE)	SEFPs11gedBMST
SEFPe11gedESST	SEFPe11gedBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe11gedESST,SEFPe11gedVRST, boot=TRUE)	SEFPe11gedBMST
SEFPe12gedESST	SEFPe12gedBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe12gedESST,SEFPe12gedVRST, boot=TRUE)	SEFPe12gedBMST
SEFPe11stdESST	SEFPe11stdBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe11stdESST,SEFPe11stdVRST, boot=TRUE)	SEFPe11stdBMST
SEFPe12stdESST	SEFPe12stdBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe12stdESST,SEFPe12stdVRST, boot=TRUE)	SEFPe12stdBMST
SEFPs11norESST	SEFPs11norBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPs11norESST,SEFPs11norVRST, boot=TRUE)	SEFPs11norBMST
SEFPe11norESST	SEFPe11norBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe11norESST,SEFPe11norVRST, boot=TRUE)	SEFPe11norBMST
SEFPe12norESST	SEFPe12norBMSTc-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe12norESST,SEFPe12norVRST, boot=TRUE)	SEFPe12norBMST
SEECs11gedESST	SEECs11gedBMSTc-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECs11gedESST,SEECs11gedVRST, boot=TRUE)	SEECs11gedBMST
SEECe11gedESST	SEECe11gedBMSTc-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe11gedESST,SEECe11gedVRST, boot=TRUE)	SEECe11gedBMST
SEECe12gedESST	SEECe12gedBMSTc-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe12gedESST,SEECe12gedVRST, boot=TRUE)	SEECe12gedBMST
SEECe12stdESST	SEECe12stdBMSTc-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe12stdESST,SEECe12stdVRST, boot=TRUE)	SEECe12stdBMST
SEECe11norESST	SEECe11norBMSTc-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe11norESST,SEECe11norVRST, boot=TRUE)	SEECe11norBMST
SEECe12norESST	SEECe12norBMSTc-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe12norESST,SEECe12norVRST, boot=TRUE)	SEECe12norBMST
SEFle11gedESST	SEFle11gedBMSTc-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe11gedESST,SEFLe11gedVRST, boot=TRUE)	SEFLe11gedBMST
SEFle12gedESST	SEFle12gedBMSTc-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe12gedESST,SEFLe12gedVRST, boot=TRUE)	SEFLe12gedBMST
SEFle11norESST	SEFle11norBMSTc-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe11norESST,SEFLe11norVRST, boot=TRUE)	SEFLe11norBMST
SEFle12norESST	SEFle12norBMSTc-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe12norESST,SEFLe12norVRST, boot=TRUE)	SEFLe12norBMST
SEUTe11gedESST	SEUTe11gedBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe11gedESST,SEUTe11gedVRST, boot=TRUE)	SEUTe11gedBMST
SEUTe12gedESST	SEUTe12gedBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe12gedESST,SEUTe12gedVRST, boot=TRUE)	SEUTe12gedBMST
SEUTc11gedESST	SEUTc11gedBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTc11gedESST,SEUTc11gedVRST, boot=TRUE)	SEUTc11gedBMST
SEUTe11stdESST	SEUTe11stdBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe11stdESST,SEUTe11stdVRST, boot=TRUE)	SEUTe11stdBMST
SEUTc11stdESST	SEUTc11stdBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTc11stdESST,SEUTc11stdVRST, boot=TRUE)	SEUTc11stdBMST
SEUTe11norESST	SEUTe11norBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe11norESST,SEUTe11norVRST, boot=TRUE)	SEUTe11norBMST
SEUTe12norESST	SEUTe12norBMSTc-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe12norESST,SEUTe12norVRST, boot=TRUE)	SEUTe12norBMST
SETRe11gedESST	SETRe11gedBMSTc-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRe11gedESST,SETRe11gedVRST, boot=TRUE)	SETRe11gedBMST
SETRs12norESST	SETRs12norBMSTc-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRs12norESST,SETRs12norVRST, boot=TRUE)	SETRs12norBMST
SETRe11norESST	SETRe11norBMSTc-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRe11norESST,SETRe11norVRST, boot=TRUE)	SETRe11norBMST
SETRe12norESST	SETRe12norBMSTc-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRe12norESST,SETRe12norVRST, boot=TRUE)	SETRe12norBMST
SETRg12norESST	SETRg12norBMSTc-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRg12norESST,SETRg12norVRST, boot=TRUE)	SETRg12norBMST
SEMOe11gedESST	SEMOe11gedBMSTc-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe11gedESST,SEMOe11gedVRST, boot=TRUE)	SEMOe11gedBMST
SEMOe12gedESST	SEMOe12gedBMSTc-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe12gedESST,SEMOe12gedVRST, boot=TRUE)	SEMOe12gedBMST
SEMOe11stdESST	SEMOe11stdBMSTc-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe11stdESST,SEMOe11stdVRST, boot=TRUE)	SEMOe11stdBMST
SEMOe11norESST	SEMOe11norBMSTc-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe11norESST,SEMOe11norVRST, boot=TRUE)	SEMOe11norBMST
SEOGe11gedESST	SEOGe11gedBMSTc-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe11gedESST,SEOGe11gedVRST, boot=TRUE)	SEOGe11gedBMST
SEOGe12gedESST	SEOGe12gedBMSTc-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe12gedESST,SEOGe12gedVRST, boot=TRUE)	SEOGe12gedBMST
SEOGe11stdESST	SEOGe11stdBMSTc-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe11stdESST,SEOGe11stdVRST, boot=TRUE)	SEOGe11stdBMST
SEOGe11norESST	SEOGe11norBMSTc-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe11norESST,SEOGe11norVRST, boot=TRUE)	SEOGe11norBMST
SEOGe12norESST	SEOGe12norBMSTc-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe12norESST,SEOGe12norVRST, boot=TRUE)	SEOGe12norBMST
SEOGe21norESST	SEOGe21norBMSTc-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe21norESST,SEOGe21norVRST, boot=TRUE)	SEOGe21norBMST
SEOEe11gedESST	SEOEe11gedBMSTc-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe11gedESST,SEOEe11gedVRST, boot=TRUE)	SEOEe11gedBMST
SEOEe12gedESST	SEOEe12gedBMSTc-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe12gedESST,SEOEe12gedVRST, boot=TRUE)	SEOEe12gedBMST
SEOEe11stdESST	SEOEe11stdBMSTc-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe11stdESST,SEOEe11stdVRST, boot=TRUE)	SEOEe11stdBMST
SEOEe11norESST	SEOEe11norBMSTc-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe11norESST,SEOEe11norVRST, boot=TRUE)	SEOEe11norBMST
SEOEe12norESST	SEOEe12norBMSTc-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe12norESST,SEOEe12norVRST, boot=TRUE)	SEOEe12norBMST
SEAIs11gedESST	SEAIs11gedBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIs11gedESST,SEAIs11gedVRST, boot=TRUE)	SEAIs11gedBMST
SEAIe11gedESST	SEAIe11gedBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe11gedESST,SEAIe11gedVRST, boot=TRUE)	SEAIe11gedBMST
SEAIe12gedESST	SEAIe12gedBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe12gedESST,SEAIe12gedVRST, boot=TRUE)	SEAIe12gedBMST
SEAIe11stdESST	SEAIe11stdBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe11stdESST,SEAIe11stdVRST, boot=TRUE)	SEAIe11stdBMST
SEAIs11norESST	SEAIs11norBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIs11norESST,SEAIs11norVRST, boot=TRUE)	SEAIs11norBMST
SEAIs12norESST	SEAIs12norBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIs12norESST,SEAIs12norVRST, boot=TRUE)	SEAIs12norBMST
SEAIe11norESST	SEAIe11norBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe11norESST,SEAIe11norVRST, boot=TRUE)	SEAIe11norBMST
SEAIc12norESST	SEAIc12norBMSTc-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIc12norESST,SEAIc12norVRST, boot=TRUE)	SEAIc12norBMST
SEISe11gedESST	SEISe11gedBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe11gedESST,SEISe11gedVRST, boot=TRUE)	SEISe11gedBMST
SEISe12gedESST	SEISe12gedBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe12gedESST,SEISe12gedVRST, boot=TRUE)	SEISe12gedBMST
SEISe21gedESST	SEISe21gedBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe21gedESST,SEISe21gedVRST, boot=TRUE)	SEISe21gedBMST
SEISe11stdESST	SEISe11stdBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe11stdESST,SEISe11stdVRST, boot=TRUE)	SEISe11stdBMST
SEISe12stdESST	SEISe12stdBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe12stdESST,SEISe12stdVRST, boot=TRUE)	SEISe12stdBMST
SEISe11norESST	SEISe11norBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe11norESST,SEISe11norVRST, boot=TRUE)	SEISe11norBMST
SEISe22norESST	SEISe22norBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe22norESST,SEISe22norVRST, boot=TRUE)	SEISe22norBMST
SEISe12norESST	SEISe12norBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe12norESST,SEISe12norVRST, boot=TRUE)	SEISe12norBMST
SEISe21norESST	SEISe21norBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe21norESST,SEISe21norVRST, boot=TRUE)	SEISe21norBMST
SEISg11norESST	SEISg11norBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISg11norESST,SEISg11norVRST, boot=TRUE)	SEISg11norBMST
SEISg12norESST	SEISg12norBMSTc-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISg12norESST,SEISg12norVRST, boot=TRUE)	SEISg12norBMST
SEREe11gedESST	SEREe11gedBMSTc-ESTest(0.025, datSERERetOUTSA$rev.SERERetOUTSA, SEREe11gedESST,SEREe11gedVRST, boot=TRUE)	SEREe11gedBMST
SEREe11stdESST	SEREe11stdBMSTc-ESTest(0.025, datSERERetOUTSA$rev.SERERetOUTSA, SEREe11stdESST,SEREe11stdVRST, boot=TRUE)	SEREe11stdBMST
SEREg11stdESST	SEREg11stdBMSTc-ESTest(0.025, datSERERetOUTSA$rev.SERERetOUTSA, SEREg11stdESST,SEREg11stdVRST, boot=TRUE)	SEREg11stdBMST
SEREe11norESST	SEREe11norBMSTc-ESTest(0.025, datSERERetOUTSA$rev.SERERetOUTSA, SEREe11norESST,SEREe11norVRST, boot=TRUE)	SEREe11norBMST
SEREe12norESST	SEREe12norBMSTc-ESTest(0.025, datSERERetOUTSA$rev.SERERetOUTSA, SEREe12norESST,SEREe12norVRST, boot=TRUE)	SEREe12norBMST
SEAEs11gedESST	SEAEs11gedBMSTc-ESTest(0.025, datSEAERetOUTSA$rev.SEAERetOUTSA, SEAEs11gedESST,SEAEs11gedVRST, boot=TRUE)	SEAEs11gedBMST
SEAEe11gedESST	SEAEe11gedBMSTc-ESTest(0.025, datSEAERetOUTSA$rev.SEAERetOUTSA, SEAEe11gedESST,SEAEe11gedVRST, boot=TRUE)	SEAEe11gedBMST
SEAEe11norESST	SEAEe11norBMSTc-ESTest(0.025, datSEAERetOUTSA$rev.SEAERetOUTSA, SEAEe11norESST,SEAEe11norVRST, boot=TRUE)	SEAEe11norBMST
SEAEe12norESST	SEAEe12norBMSTc-ESTest(0.025, datSEAERetOUTSA$rev.SEAERetOUTSA, SEAEe12norESST,SEAEe12norVRST, boot=TRUE)	SEAEe12norBMST
SESOe11ged

LITCs11gedESST	LITCs11gedBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCs11gedESST,LITCs11gedVRST, boot=TRUE)	LITCs11gedBMST
LITCc11gedESST	LITCc11gedBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc11gedESST,LITCc11gedVRST, boot=TRUE)	LITCc11gedBMST
LITCc12gedESST	LITCc12gedBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc12gedESST,LITCc12gedVRST, boot=TRUE)	LITCc12gedBMST
LITCs11norESST	LITCs11norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCs11norESST,LITCs11norVRST, boot=TRUE)	LITCs11norBMST
LITCe11norESST	LITCe11norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCe11norESST,LITCe11norVRST, boot=TRUE)	LITCe11norBMST
LITCe12norESST	LITCe12norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCe12norESST,LITCe12norVRST, boot=TRUE)	LITCe12norBMST
LITCe21norESST	LITCe21norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCe21norESST,LITCe21norVRST, boot=TRUE)	LITCe21norBMST
LITCg11norESST	LITCg11norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCg11norESST,LITCg11norVRST, boot=TRUE)	LITCg11norBMST
LITCc11norESST	LITCc11norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc11norESST,LITCc11norVRST, boot=TRUE)	LITCc11norBMST
LITCc12norESST	LITCc12norBMSTc-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc12norESST,LITCc12norVRST, boot=TRUE)	LITCc12norBMST
GREXe11gedESST	GREXe11gedBMSTc-ESTest(0.025, datGREXretOUTSA$rev.GREXretOUTSA, GREXe11gedESST,GREXe11gedVRST, boot=TRUE)	GREXe11gedBMST
GREXe12gedESST	GREXe12gedBMSTc-ESTest(0.025, datGREXretOUTSA$rev.GREXretOUTSA, GREXe12gedESST,GREXe12gedVRST, boot=TRUE)	GREXe12gedBMST
GREXe21gedESST	GREXe21gedBMSTc-ESTest(0.025, datGREXretOUTSA$rev.GREXretOUTSA, GREXe21gedESST,GREXe21gedVRST, boot=TRUE)	GREXe21gedBMST
DAXPs11gedESST	DAXPs11gedBMSTc-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPs11gedESST,DAXPs11gedVRST, boot=TRUE)	DAXPs11gedBMST
DAXPs11stdESST	DAXPs11stdBMSTc-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPs11stdESST,DAXPs11stdVRST, boot=TRUE)	DAXPs11stdBMST
DAXPs12norESST	DAXPs12norBMSTc-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPs12norESST,DAXPs12norVRST, boot=TRUE)	DAXPs12norBMST
DAXPe11norESST	DAXPe11norBMSTc-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPe11norESST,DAXPe11norVRST, boot=TRUE)	DAXPe11norBMST
DAXPg11norESST	DAXPg11norBMSTc-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPg11norESST,DAXPg11norVRST, boot=TRUE)	DAXPg11norBMST

ES Backtest under Student t distribution --> Backtesteted with Student t distribution, BM stands for Backtesting McNeil

Model	Code	Extract Data
DJACe11gedESNO	DJACe11gedBMNO<-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe11gedESNO,DJACe11gedVRNO, boot=TRUE)	DJACe11gedBMNO
DJACe12gedESNO	DJACe12gedBMNO<-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe12gedESNO,DJACe12gedVRNO, boot=TRUE)	DJACe12gedBMNO
DJACe11stdESNO	DJACe11stdBMNO<-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe11stdESNO,DJACe11stdVRNO, boot=TRUE)	DJACe11stdBMNO
DJACe12stdESNO	DJACe12stdBMNO<-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe12stdESNO,DJACe12stdVRNO, boot=TRUE)	DJACe12stdBMNO
DJACe11norESNO	DJACe11norBMNO<-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe11norESNO,DJACe11norVRNO, boot=TRUE)	DJACe11norBMNO
DJACe12norESNO	DJACe12norBMNO<-ESTest(0.025, datDJACretOUTSA$rev.DJACretOUTSA, DJACe12norESNO,DJACe12norVRNO, boot=TRUE)	DJACe12norBMNO
DJALs11gedESNO	DJALs11gedBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALs11gedESNO,DJALs11gedVRNO, boot=TRUE)	DJALs11gedBMNO
DJALe11gedESNO	DJALe11gedBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe11gedESNO,DJALe11gedVRNO, boot=TRUE)	DJALe11gedBMNO
DJALe12gedESNO	DJALe12gedBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe12gedESNO,DJALe12gedVRNO, boot=TRUE)	DJALe12gedBMNO
DJALc11gedESNO	DJALc11gedBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALc11gedESNO,DJALc11gedVRNO, boot=TRUE)	DJALc11gedBMNO
DJALe11stdESNO	DJALe11stdBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe11stdESNO,DJALe11stdVRNO, boot=TRUE)	DJALe11stdBMNO
DJALg11stdESNO	DJALg11stdBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALg11stdESNO,DJALg11stdVRNO, boot=TRUE)	DJALg11stdBMNO
DJALe11norESNO	DJALe11norBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe11norESNO,DJALe11norVRNO, boot=TRUE)	DJALe11norBMNO
DJALe12norESNO	DJALe12norBMNO<-ESTest(0.025, datDJALretOUTSA$rev.DJALretOUTSA, DJALe12norESNO,DJALe12norVRNO, boot=TRUE)	DJALe12norBMNO
DJCCe11gedESNO	DJCCe11gedBMNO<-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCe11gedESNO,DJCCe11gedVRNO, boot=TRUE)	DJCCe11gedBMNO
DJCCe12gedESNO	DJCCe12gedBMNO<-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCe12gedESNO,DJCCe12gedVRNO, boot=TRUE)	DJCCe12gedBMNO
DJCCs11stdESNO	DJCCs11stdBMNO<-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCs11stdESNO,DJCCs11stdVRNO, boot=TRUE)	DJCCs11stdBMNO
DJCCe11stdESNO	DJCCe11stdBMNO<-ESTest(0.025, datDJCCretOUTSA$rev.DJCCretOUTSA, DJCCe11stdESNO,DJCCe11stdVRNO, boot=TRUE)	DJCCe11stdBMNO
DJCFe22gedESNO	DJCFe22gedBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe22gedESNO,DJCFe22gedVRNO, boot=TRUE)	DJCFe22gedBMNO
DJCFe12gedESNO	DJCFe12gedBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe12gedESNO,DJCFe12gedVRNO, boot=TRUE)	DJCFe12gedBMNO
DJCFg21gedESNO	DJCFg21gedBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFg21gedESNO,DJCFg21gedVRNO, boot=TRUE)	DJCFg21gedBMNO
DJCFe21stdESNO	DJCFe21stdBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe21stdESNO,DJCFe21stdVRNO, boot=TRUE)	DJCFe21stdBMNO
DJCFe11norESNO	DJCFe11norBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe11norESNO,DJCFe11norVRNO, boot=TRUE)	DJCFe11norBMNO
DJCFe22norESNO	DJCFe22norBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe22norESNO,DJCFe22norVRNO, boot=TRUE)	DJCFe22norBMNO
DJCFe12norESNO	DJCFe12norBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe12norESNO,DJCFe12norVRNO, boot=TRUE)	DJCFe12norBMNO
DJCFe21norESNO	DJCFe21norBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFe21norESNO,DJCFe21norVRNO, boot=TRUE)	DJCFe21norBMNO
DJCFg22norESNO	DJCFg22norBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFg22norESNO,DJCFg22norVRNO, boot=TRUE)	DJCFg22norBMNO
DJCFg21norESNO	DJCFg21norBMNO<-ESTest(0.025, datDJCFretOUTSA$rev.DJCFretOUTSA, DJCFg21norESNO,DJCFg21norVRNO, boot=TRUE)	DJCFg21norBMNO
DJCPe22stdESNO	DJCPe22stdBMNO<-ESTest(0.025, datDJCPretOUTSA$rev.DJCPretOUTSA, DJCPe22stdESNO,DJCPe22stdVRNO, boot=TRUE)	DJCPe22stdBMNO
DJCPe21stdESNO	DJCPe21stdBMNO<-ESTest(0.025, datDJCPretOUTSA$rev.DJCPretOUTSA, DJCPe21stdESNO,DJCPe21stdVRNO, boot=TRUE)	DJCPe21stdBMNO
DJCTg21gedESNO	DJCTg21gedBMNO<-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTg21gedESNO,DJCTg21gedVRNO, boot=TRUE)	DJCTg21gedBMNO
DJCTs12stdESNO	DJCTs12stdBMNO<-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTs12stdESNO,DJCTs12stdVRNO, boot=TRUE)	DJCTs12stdBMNO
DJCTe12stdESNO	DJCTe12stdBMNO<-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTe12stdESNO,DJCTe12stdVRNO, boot=TRUE)	DJCTe12stdBMNO
DJCTe11norESNO	DJCTe11norBMNO<-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTe11norESNO,DJCTe11norVRNO, boot=TRUE)	DJCTe11norBMNO
DJCTe12norESNO	DJCTe12norBMNO<-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTe12norESNO,DJCTe12norVRNO, boot=TRUE)	DJCTe12norBMNO
DJCTg12norESNO	DJCTg12norBMNO<-ESTest(0.025, datDJCTretOUTSA$rev.DJCTretOUTSA, DJCTg12norESNO,DJCTg12norVRNO, boot=TRUE)	DJCTg12norBMNO
DJNIs11stdESNO	DJNIs11stdBMNO<-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIs11stdESNO,DJNIs11stdVRNO, boot=TRUE)	DJNIs11stdBMNO
DJNIe21stdESNO	DJNIe21stdBMNO<-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIe21stdESNO,DJNIe21stdVRNO, boot=TRUE)	DJNIe21stdBMNO
DJNIe11norESNO	DJNIe11norBMNO<-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIe11norESNO,DJNIe11norVRNO, boot=TRUE)	DJNIe11norBMNO
DJNIe22norESNO	DJNIe22norBMNO<-ESTest(0.025, datDJNIretOUTSA$rev.DJNIretOUTSA, DJNIe22norESNO,DJNIe22norVRNO, boot=TRUE)	DJNIe22norBMNO
DJSIg12gedESNO	DJSIg12gedBMNO<-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIg12gedESNO,DJSIg12gedVRNO, boot=TRUE)	DJSIg12gedBMNO
DJSIs11stdESNO	DJSIs11stdBMNO<-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIs11stdESNO,DJSIs11stdVRNO, boot=TRUE)	DJSIs11stdBMNO
DJSIg11stdESNO	DJSIg11stdBMNO<-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIg11stdESNO,DJSIg11stdVRNO, boot=TRUE)	DJSIg11stdBMNO
DJSIc11stdESNO	DJSIc11stdBMNO<-ESTest(0.025, datDJSIretOUTSA$rev.DJSIretOUTSA, DJSIc11stdESNO,DJSIc11stdVRNO, boot=TRUE)	DJSIc11stdBMNO
DJSUs11stdESNO	DJSUs11stdBMNO<-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUs11stdESNO,DJSUs11stdVRNO, boot=TRUE)	DJSUs11stdBMNO
DJSUe22stdESNO	DJSUe22stdBMNO<-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUe22stdESNO,DJSUe22stdVRNO, boot=TRUE)	DJSUe22stdBMNO
DJSUe21stdESNO	DJSUe21stdBMNO<-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUe21stdESNO,DJSUe21stdVRNO, boot=TRUE)	DJSUe21stdBMNO
DJSUg22stdESNO	DJSUg22stdBMNO<-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUg22stdESNO,DJSUg22stdVRNO, boot=TRUE)	DJSUg22stdBMNO
DJSUg21stdESNO	DJSUg21stdBMNO<-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUg21stdESNO,DJSUg21stdVRNO, boot=TRUE)	DJSUg21stdBMNO
DJSUs12norESNO	DJSUs12norBMNO<-ESTest(0.025, datDJSUretOUTSA$rev.DJSUretOUTSA, DJSUs12norESNO,DJSUs12norVRNO, boot=TRUE)	DJSUs12norBMNO
DJWEe11gedESNO	DJWEe11gedBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe11gedESNO,DJWEe11gedVRNO, boot=TRUE)	DJWEe11gedBMNO
DJWEe12gedESNO	DJWEe12gedBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe12gedESNO,DJWEe12gedVRNO, boot=TRUE)	DJWEe12gedBMNO
DJWEe11stdESNO	DJWEe11stdBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe11stdESNO,DJWEe11stdVRNO, boot=TRUE)	DJWEe11stdBMNO
DJWEe12stdESNO	DJWEe12stdBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe12stdESNO,DJWEe12stdVRNO, boot=TRUE)	DJWEe12stdBMNO
DJWEe11norESNO	DJWEe11norBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe11norESNO,DJWEe11norVRNO, boot=TRUE)	DJWEe11norBMNO
DJWEe12norESNO	DJWEe12norBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEe12norESNO,DJWEe12norVRNO, boot=TRUE)	DJWEe12norBMNO
DJWEg11norESNO	DJWEg11norBMNO<-ESTest(0.025, datDJWEretOUTSA$rev.DJWEretOUTSA, DJWEg11norESNO,DJWEg11norVRNO, boot=TRUE)	DJWEg11norBMNO
DJZIe22stdESNO	DJZIe22stdBMNO<-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe22stdESNO,DJZIe22stdVRNO, boot=TRUE)	DJZIe22stdBMNO
DJZIe21stdESNO	DJZIe21stdBMNO<-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe21stdESNO,DJZIe21stdVRNO, boot=TRUE)	DJZIe21stdBMNO
DJZIs11norESNO	DJZIs11norBMNO<-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIs11norESNO,DJZIs11norVRNO, boot=TRUE)	DJZIs11norBMNO
DJZIe11norESNO	DJZIe11norBMNO<-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe11norESNO,DJZIe11norVRNO, boot=TRUE)	DJZIe11norBMNO
DJZIe12norESNO	DJZIe12norBMNO<-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIe12norESNO,DJZIe12norVRNO, boot=TRUE)	DJZIe12norBMNO
DJZIg12norESNO	DJZIg12norBMNO<-ESTest(0.025, datDJZIretOUTSA$rev.DJZIretOUTSA, DJZIg12norESNO,DJZIg12norVRNO, boot=TRUE)	DJZIg12norBMNO
DJLHe11gedESNO	DJLHe11gedBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe11gedESNO,DJLHe11gedVRNO, boot=TRUE)	DJLHe11gedBMNO
DJLHe12gedESNO	DJLHe12gedBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe12gedESNO,DJLHe12gedVRNO, boot=TRUE)	DJLHe12gedBMNO
DJLHe11stdESNO	DJLHe11stdBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe11stdESNO,DJLHe11stdVRNO, boot=TRUE)	DJLHe11stdBMNO
DJLHe12stdESNO	DJLHe12stdBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe12stdESNO,DJLHe12stdVRNO, boot=TRUE)	DJLHe12stdBMNO
DJLHe11norESNO	DJLHe11norBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe11norESNO,DJLHe11norVRNO, boot=TRUE)	DJLHe11norBMNO
DJLHe12norESNO	DJLHe12norBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe12norESNO,DJLHe12norVRNO, boot=TRUE)	DJLHe12norBMNO
DJLHe21norESNO	DJLHe21norBMNO<-ESTest(0.025, datDJLHretOUTSA$rev.DJLHretOUTSA, DJLHe21norESNO,DJLHe21norVRNO, boot=TRUE)	DJLHe21norBMNO
DJNGe21stdESNO	DJNGe21stdBMNO<-ESTest(0.025, datDJNGretOUTSA$rev.DJNGretOUTSA, DJNGe21stdESNO,DJNGe21stdVRNO, boot=TRUE)	DJNGe21stdBMNO
DJNGe21norESNO	DJNGe21norBMNO<-ESTest(0.025, datDJNGretOUTSA$rev.DJNGretOUTSA, DJNGe21norESNO,DJNGe21norVRNO, boot=TRUE)	DJNGe21norBMNO
DJPEe11gedESNO	DJPEe11gedBMNO<-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe11gedESNO,DJPEe11gedVRNO, boot=TRUE)	DJPEe11gedBMNO
DJPEe12gedESNO	DJPEe12gedBMNO<-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe12gedESNO,DJPEe12gedVRNO, boot=TRUE)	DJPEe12gedBMNO
DJPEe11stdESNO	DJPEe11stdBMNO<-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe11stdESNO,DJPEe11stdVRNO, boot=TRUE)	DJPEe11stdBMNO
DJPEe12stdESNO	DJPEe12stdBMNO<-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe12stdESNO,DJPEe12stdVRNO, boot=TRUE)	DJPEe12stdBMNO
DJPEe11norESNO	DJPEe11norBMNO<-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe11norESNO,DJPEe11norVRNO, boot=TRUE)	DJPEe11norBMNO
DJPEe12norESNO	DJPEe12norBMNO<-ESTest(0.025, datDJPEretOUTSA$rev.DJPEretOUTSA, DJPEe12norESNO,DJPEe12norVRNO, boot=TRUE)	DJPEe12norBMNO
DJSOe21gedESNO	DJSOe21gedBMNO<-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe21gedESNO,DJSOe21gedVRNO, boot=TRUE)	DJSOe21gedBMNO
DJSOe21stdESNO	DJSOe21stdBMNO<-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe21stdESNO,DJSOe21stdVRNO, boot=TRUE)	DJSOe21stdBMNO
DJSOe11norESNO	DJSOe11norBMNO<-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe11norESNO,DJSOe11norVRNO, boot=TRUE)	DJSOe11norBMNO
DJSOe22norESNO	DJSOe22norBMNO<-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe22norESNO,DJSOe22norVRNO, boot=TRUE)	DJSOe22norBMNO
DJSOe21norESNO	DJSOe21norBMNO<-ESTest(0.025, datDJSOretOUTSA$rev.DJSOretOUTSA, DJSOe21norESNO,DJSOe21norVRNO, boot=TRUE)	DJSOe21norBMNO
SEFPs11gedESNO	SEFPs11gedBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPs11gedESNO,SEFPs11gedVRNO, boot=TRUE)	SEFPs11gedBMNO
SEFPe11gedESNO	SEFPe11gedBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe11gedESNO,SEFPe11gedVRNO, boot=TRUE)	SEFPe11gedBMNO
SEFPe12gedESNO	SEFPe12gedBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe12gedESNO,SEFPe12gedVRNO, boot=TRUE)	SEFPe12gedBMNO
SEFPe11stdESNO	SEFPe11stdBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe11stdESNO,SEFPe11stdVRNO, boot=TRUE)	SEFPe11stdBMNO
SEFPe12stdESNO	SEFPe12stdBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe12stdESNO,SEFPe12stdVRNO, boot=TRUE)	SEFPe12stdBMNO
SEFPs11norESNO	SEFPs11norBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPs11norESNO,SEFPs11norVRNO, boot=TRUE)	SEFPs11norBMNO
SEFPe11norESNO	SEFPe11norBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe11norESNO,SEFPe11norVRNO, boot=TRUE)	SEFPe11norBMNO
SEFPe12norESNO	SEFPe12norBMNO<-ESTest(0.025, datSEFPretOUTSA$rev.SEFPretOUTSA, SEFPe12norESNO,SEFPe12norVRNO, boot=TRUE)	SEFPe12norBMNO
SEECs11gedESNO	SEECs11gedBMNO<-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECs11gedESNO,SEECs11gedVRNO, boot=TRUE)	SEECs11gedBMNO
SEECe11gedESNO	SEECe11gedBMNO<-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe11gedESNO,SEECe11gedVRNO, boot=TRUE)	SEECe11gedBMNO
SEECe12gedESNO	SEECe12gedBMNO<-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe12gedESNO,SEECe12gedVRNO, boot=TRUE)	SEECe12gedBMNO
SEECe12stdESNO	SEECe12stdBMNO<-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe12stdESNO,SEECe12stdVRNO, boot=TRUE)	SEECe12stdBMNO
SEECe11norESNO	SEECe11norBMNO<-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe11norESNO,SEECe11norVRNO, boot=TRUE)	SEECe11norBMNO
SEECe12norESNO	SEECe12norBMNO<-ESTest(0.025, datSEECretOUTSA$rev.SEECretOUTSA, SEECe12norESNO,SEECe12norVRNO, boot=TRUE)	SEECe12norBMNO
SEFLe11gedESNO	SEFLe11gedBMNO<-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe11gedESNO,SEFLe11gedVRNO, boot=TRUE)	SEFLe11gedBMNO
SEFLg11gedESNO	SEFLg11gedBMNO<-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLg11gedESNO,SEFLg11gedVRNO, boot=TRUE)	SEFLg11gedBMNO
SEFLe11norESNO	SEFLe11norBMNO<-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe11norESNO,SEFLe11norVRNO, boot=TRUE)	SEFLe11norBMNO
SEFLe12norESNO	SEFLe12norBMNO<-ESTest(0.025, datSEFLretOUTSA$rev.SEFLretOUTSA, SEFLe12norESNO,SEFLe12norVRNO, boot=TRUE)	SEFLe12norBMNO
SEUTe11gedESNO	SEUTe11gedBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe11gedESNO,SEUTe11gedVRNO, boot=TRUE)	SEUTe11gedBMNO
SEUTe12gedESNO	SEUTe12gedBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe12gedESNO,SEUTe12gedVRNO, boot=TRUE)	SEUTe12gedBMNO
SEUTc11gedESNO	SEUTc11gedBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTc11gedESNO,SEUTc11gedVRNO, boot=TRUE)	SEUTc11gedBMNO
SEUTe11stdESNO	SEUTe11stdBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe11stdESNO,SEUTe11stdVRNO, boot=TRUE)	SEUTe11stdBMNO
SEUTc11stdESNO	SEUTc11stdBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTc11stdESNO,SEUTc11stdVRNO, boot=TRUE)	SEUTc11stdBMNO
SEUTe11norESNO	SEUTe11norBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe11norESNO,SEUTe11norVRNO, boot=TRUE)	SEUTe11norBMNO
SEUTe12norESNO	SEUTe12norBMNO<-ESTest(0.025, datSEUTretOUTSA$rev.SEUTretOUTSA, SEUTe12norESNO,SEUTe12norVRNO, boot=TRUE)	SEUTe12norBMNO
SETRe11gedESNO	SETRe11gedBMNO<-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRe11gedESNO,SETRe11gedVRNO, boot=TRUE)	SETRe11gedBMNO
SETRs12norESNO	SETRs12norBMNO<-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRs12norESNO,SETRs12norVRNO, boot=TRUE)	SETRs12norBMNO
SETRe11norESNO	SETRe11norBMNO<-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRe11norESNO,SETRe11norVRNO, boot=TRUE)	SETRe11norBMNO
SETRe12norESNO	SETRe12norBMNO<-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRe12norESNO,SETRe12norVRNO, boot=TRUE)	SETRe12norBMNO
SETRg12norESNO	SETRg12norBMNO<-ESTest(0.025, datSETRetOUTSA$rev.SETRetOUTSA, SETRg12norESNO,SETRg12norVRNO, boot=TRUE)	SETRg12norBMNO
SEMOe11gedESNO	SEMOe11gedBMNO<-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe11gedESNO,SEMOe11gedVRNO, boot=TRUE)	SEMOe11gedBMNO
SEMOe12gedESNO	SEMOe12gedBMNO<-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe12gedESNO,SEMOe12gedVRNO, boot=TRUE)	SEMOe12gedBMNO
SEMOe11stdESNO	SEMOe11stdBMNO<-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe11stdESNO,SEMOe11stdVRNO, boot=TRUE)	SEMOe11stdBMNO
SEMOe12stdESNO	SEMOe12stdBMNO<-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe12stdESNO,SEMOe12stdVRNO, boot=TRUE)	SEMOe12stdBMNO
SEMOe11norESNO	SEMOe11norBMNO<-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe11norESNO,SEMOe11norVRNO, boot=TRUE)	SEMOe11norBMNO
SEMOe12norESNO	SEMOe12norBMNO<-ESTest(0.025, datSEMOretOUTSA$rev.SEMOretOUTSA, SEMOe12norESNO,SEMOe12norVRNO, boot=TRUE)	SEMOe12norBMNO
SEOGe11gedESNO	SEOGe11gedBMNO<-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe11gedESNO,SEOGe11gedVRNO, boot=TRUE)	SEOGe11gedBMNO
SEOGe12gedESNO	SEOGe12gedBMNO<-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe12gedESNO,SEOGe12gedVRNO, boot=TRUE)	SEOGe12gedBMNO
SEOGe11stdESNO	SEOGe11stdBMNO<-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe11stdESNO,SEOGe11stdVRNO, boot=TRUE)	SEOGe11stdBMNO
SEOGe11norESNO	SEOGe11norBMNO<-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe11norESNO,SEOGe11norVRNO, boot=TRUE)	SEOGe11norBMNO
SEOGe12norESNO	SEOGe12norBMNO<-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe12norESNO,SEOGe12norVRNO, boot=TRUE)	SEOGe12norBMNO
SEOGe21norESNO	SEOGe21norBMNO<-ESTest(0.025, datSEOGretOUTSA$rev.SEOGretOUTSA, SEOGe21norESNO,SEOGe21norVRNO, boot=TRUE)	SEOGe21norBMNO
SEOEe11gedESNO	SEOEe11gedBMNO<-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe11gedESNO,SEOEe11gedVRNO, boot=TRUE)	SEOEe11gedBMNO
SEOEe12gedESNO	SEOEe12gedBMNO<-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe12gedESNO,SEOEe12gedVRNO, boot=TRUE)	SEOEe12gedBMNO
SEOEe11stdESNO	SEOEe11stdBMNO<-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe11stdESNO,SEOEe11stdVRNO, boot=TRUE)	SEOEe11stdBMNO
SEOEe11norESNO	SEOEe11norBMNO<-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe11norESNO,SEOEe11norVRNO, boot=TRUE)	SEOEe11norBMNO
SEOEe12norESNO	SEOEe12norBMNO<-ESTest(0.025, datSEOEretOUTSA$rev.SEOEretOUTSA, SEOEe12norESNO,SEOEe12norVRNO, boot=TRUE)	SEOEe12norBMNO
SEAIs11gedESNO	SEAIs11gedBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIs11gedESNO,SEAIs11gedVRNO, boot=TRUE)	SEAIs11gedBMNO
SEAIe11gedESNO	SEAIe11gedBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe11gedESNO,SEAIe11gedVRNO, boot=TRUE)	SEAIe11gedBMNO
SEAIe12gedESNO	SEAIe12gedBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe12gedESNO,SEAIe12gedVRNO, boot=TRUE)	SEAIe12gedBMNO
SEAIe11stdESNO	SEAIe11stdBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe11stdESNO,SEAIe11stdVRNO, boot=TRUE)	SEAIe11stdBMNO
SEAIs11norESNO	SEAIs11norBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIs11norESNO,SEAIs11norVRNO, boot=TRUE)	SEAIs11norBMNO
SEAIs12norESNO	SEAIs12norBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIs12norESNO,SEAIs12norVRNO, boot=TRUE)	SEAIs12norBMNO
SEAIe11norESNO	SEAIe11norBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIe11norESNO,SEAIe11norVRNO, boot=TRUE)	SEAIe11norBMNO
SEAIc12norESNO	SEAIc12norBMNO<-ESTest(0.025, datSEAIretOUTSA$rev.SEAIretOUTSA, SEAIc12norESNO,SEAIc12norVRNO, boot=TRUE)	SEAIc12norBMNO
SEISe11gedESNO	SEISe11gedBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe11gedESNO,SEISe11gedVRNO, boot=TRUE)	SEISe11gedBMNO
SEISe12gedESNO	SEISe12gedBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe12gedESNO,SEISe12gedVRNO, boot=TRUE)	SEISe12gedBMNO
SEISe21gedESNO	SEISe21gedBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe21gedESNO,SEISe21gedVRNO, boot=TRUE)	SEISe21gedBMNO
SEISe11stdESNO	SEISe11stdBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe11stdESNO,SEISe11stdVRNO, boot=TRUE)	SEISe11stdBMNO
SEISe12stdESNO	SEISe12stdBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe12stdESNO,SEISe12stdVRNO, boot=TRUE)	SEISe12stdBMNO
SEISe11norESNO	SEISe11norBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe11norESNO,SEISe11norVRNO, boot=TRUE)	SEISe11norBMNO
SEISe22norESNO	SEISe22norBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe22norESNO,SEISe22norVRNO, boot=TRUE)	SEISe22norBMNO
SEISe12norESNO	SEISe12norBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe12norESNO,SEISe12norVRNO, boot=TRUE)	SEISe12norBMNO
SEISe21norESNO	SEISe21norBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISe21norESNO,SEISe21norVRNO, boot=TRUE)	SEISe21norBMNO
SEISg11norESNO	SEISg11norBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISg11norESNO,SEISg11norVRNO, boot=TRUE)	SEISg11norBMNO
SEISg12norESNO	SEISg12norBMNO<-ESTest(0.025, datSEISretOUTSA$rev.SEISretOUTSA, SEISg12norESNO,SEISg12norVRNO, boot=TRUE)	SEISg12norBMNO
SEREe11gedESNO	SEREe11gedBMNO<-ESTest(0.025, datSERETretOUTSA$rev.SERETretOUTSA, SERETe11gedESNO,SERETe11gedVRNO, boot=TRUE)	SERE

LITCs11gedESNO	LITCs11gedBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCs11gedESNO,LITCs11gedVRNO, boot=TRUE)	LITCs11gedBMNO
LITCc11gedESNO	LITCc11gedBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc11gedESNO,LITCc11gedVRNO, boot=TRUE)	LITCc11gedBMNO
LITCc12gedESNO	LITCc12gedBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc12gedESNO,LITCc12gedVRNO, boot=TRUE)	LITCc12gedBMNO
LITCs11norESNO	LITCs11norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCs11norESNO,LITCs11norVRNO, boot=TRUE)	LITCs11norBMNO
LITCe11norESNO	LITCe11norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCe11norESNO,LITCe11norVRNO, boot=TRUE)	LITCe11norBMNO
LITCe12norESNO	LITCe12norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCe12norESNO,LITCe12norVRNO, boot=TRUE)	LITCe12norBMNO
LITCe21norESNO	LITCe21norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCe21norESNO,LITCe21norVRNO, boot=TRUE)	LITCe21norBMNO
LITCg11norESNO	LITCg11norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCg11norESNO,LITCg11norVRNO, boot=TRUE)	LITCg11norBMNO
LITCc11norESNO	LITCc11norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc11norESNO,LITCc11norVRNO, boot=TRUE)	LITCc11norBMNO
LITCc12norESNO	LITCc12norBMNO<-ESTest(0.025, datLITCretOUTSA$rev.LITCretOUTSA, LITCc12norESNO,LITCc12norVRNO, boot=TRUE)	LITCc12norBMNO
GREXe11gedESNO	GREXe11gedBMNO<-ESTest(0.025, datGREXretOUTSA$rev.GREXretOUTSA, GREXe11gedESNO,GREXe11gedVRNO, boot=TRUE)	GREXe11gedBMNO
GREXe12gedESNO	GREXe12gedBMNO<-ESTest(0.025, datGREXretOUTSA$rev.GREXretOUTSA, GREXe12gedESNO,GREXe12gedVRNO, boot=TRUE)	GREXe12gedBMNO
GREXe21gedESNO	GREXe21gedBMNO<-ESTest(0.025, datGREXretOUTSA$rev.GREXretOUTSA, GREXe21gedESNO,GREXe21gedVRNO, boot=TRUE)	GREXe21gedBMNO
DAXPs11gedESNO	DAXPs11gedBMNO<-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPs11gedESNO,DAXPs11gedVRNO, boot=TRUE)	DAXPs11gedBMNO
DAXPs11stdESNO	DAXPs11stdBMNO<-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPs11stdESNO,DAXPs11stdVRNO, boot=TRUE)	DAXPs11stdBMNO
DAXPs12norESNO	DAXPs12norBMNO<-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPs12norESNO,DAXPs12norVRNO, boot=TRUE)	DAXPs12norBMNO
DAXPe11norESNO	DAXPe11norBMNO<-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPe11norESNO,DAXPe11norVRNO, boot=TRUE)	DAXPe11norBMNO
DAXPg11norESNO	DAXPg11norBMNO<-ESTest(0.025, datDAXPretOUTSA$rev.DAXPretOUTSA, DAXPg11norESNO,DAXPg11norVRNO, boot=TRUE)	DAXPg11norBMNO

DIGITAL APPENDIX N

N_[RESULTS]_Chapter 4.7._Remaining GARCH Models and Diagnostics

Summary Table

NR	Not Reiet for all lags
R	At least on rejection for a lag

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Nr. within modelgroup	Nr	Model	Persistence	McNeil sst	McNeil nor	AIC	Nyblom	Sign Bias --> Do not reject	Neg. Sign Bias --> Do not reject	Pos. Sign Bias --> Do not reject	Joint Bias --> Do not reject	LB-Resiuduals, HH --> k=0 --> Do not reject	LB-Resiuduals, HH --> k=0 --> Do not reject	ARCH LM --> Do not reject	Gof --> Do not Reject
5	5	DJAEe11gedFIT	0.9884605	NA	NA	-7.003477	Constant	NR	R	R	R	NR	NR	R	NR
7	7	DJAEe12gedFIT	0.9789942	NA	NA	-7.006582	Constant	NR	NR	NR	NR	NR	R	R	NR
25	25	DJAEe11stdFIT	0.9918422	NA	NA	-6.973196	Constant	NR	R	R	R	NR	R	R	NR
27	27	DJAEe12stdFIT	0.9857143	NA	NA	-6.975596	Constant	NR	NR	R	R	NR	R	R	NR
45	45	DJAEe11norFIT	0.9869407	NA	No valid ES model for ES distribution	-6.82769	Constant	NR	R	R	R	NR	R	R	R
47	47	DJAEe12norFIT	0.9769937	NA	No valid ES model for ES distribution	-6.831855	Constant	NR	R	R	R	NR	R	R	R
48	48	DJAEe21norFIT	0.9880772	NA	No valid ES model for ES distribution	-6.845455	Constant	NR	NR	NR	NR	NR	NR	R	R
1	61	DJAEs11gedFIT	0.8721644	"Fail to Reject H0"	Fail to Reject H0	-6.916252	Constant	NR	NR	R	R	R	NR	R	NR
5	65	DJAEe11gedFIT	0.9179852	"Fail to Reject H0"	Fail to Reject H0	-6.913459	Constant	NR	NR	R	R	R	R	R	NR
7	67	DJAEe12gedFIT	0.1844929	"Fail to Reject H0"	Fail to Reject H0	-7.012547	Constant	NR	NR	NR	NR	NR	R	R	NR
17	77	DJAEc11gedFIT	0.54429925	"Fail to Reject H0"	Fail to Reject H0	-6.946216	Not Constant	NR	R	NR	R	R	R	NR	NR
25	85	DJAEe11stdFIT	0.9460022	"Fail to Reject H0"	Fail to Reject H0	-6.862561	Constant	NR	NR	R	R	R	R	R	R
29	89	DJAEg11stdFIT	0.9485847	"Fail to Reject H0"	NA	-6.864499	Not Constant	NR	NR	R	R	R	NR	R	R
45	105	DJAEe11norFIT	0.9183585	"Fail to Reject H0"	No valid ES model for ES distribution	-6.739193	Constant	NR	R	R	R	NR	R	R	R
47	107	DJAEe12norFIT	0.8766204	"Fail to Reject H0"	No valid ES model for ES distribution	-6.743006	Constant	NR	NR	R	R	NR	R	R	R
5	125	DJCCe11gedFIT	0.9965366	"Fail to Reject H0"	Fail to Reject H0	-6.360159	Constant	NR	R	NR	NR	NR	R	R	NR
7	127	DJCCe12gedFIT	0.9941672	"Fail to Reject H0"	Fail to Reject H0	-6.365038	Constant	NR	NR	NR	NR	NR	R	R	NR
21	141	DJCCs11stdFIT	0.999	"Fail to Reject H0"	Fail to Reject H0	-6.329289	Constant	NR	R	NR	R	NR	R	R	R
25	145	DJCCe11stdFIT	0.9981196	"Fail to Reject H0"	Fail to Reject H0	-6.335517	Constant	NR	R	NR	NR	NR	R	R	NR
6	186	DJCFe22gedFIT	0.9991612	"Fail to Reject H0"	Reject H0	-5.961113	Not Constant	NR	NR	NR	NR	R	NR	NR	R
7	187	DJCFe12gedFIT	0.9936973	"Fail to Reject H0"	Reject H0	-5.918069	Constant	NR	R	R	R	R	R	R	NR
12	192	DJCFp21gedFIT	0.998847	"Fail to Reject H0"	Reject H0	-5.934537	Constant	NR	NR	R	R	R	R	R	R
28	208	DJCFe21stdFIT	0.9998203	"Fail to Reject H0"	Reject H0	-5.952784	Not Constant	NR	NR	NR	NR	R	R	R	R
45	225	DJCFe11norFIT	0.9968644	"Fail to Reject H0"	No valid ES model for ES distribution	-5.684475	Constant	NR	R	R	R	NR	R	R	R
46	226	DJCFe22norFIT	0.9993394	"Fail to Reject H0"	No valid ES model for ES distribution	-5.744315	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
47	227	DJCFe12norFIT	0.9929088	"Fail to Reject H0"	No valid ES model for ES distribution	-5.690742	Constant	NR	R	NR	R	NR	R	R	R
48	228	DJCFe21norFIT	0.9992104	"Fail to Reject H0"	No valid ES model for ES distribution	-5.748774	Not Constant	NR	NR	NR	NR	NR	R	R	R
50	230	DJCFp22norFIT	0.9980563	"Fail to Reject H0"	No valid ES model for ES distribution	-5.72088	Constant	NR	NR	R	R	NR	R	NR	R
52	232	DJCFp21norFIT	0.9989516	"Fail to Reject H0"	No valid ES model for ES distribution	-5.722294	Constant	NR	NR	R	R	NR	R	R	R
26	266	DJCPe22stdFIT	0.9924721	NA	NA	-6.860969	Not Constant	NR	R	R	R	NR	R	NR	R
28	268	DJCPe21stdFIT	0.9950754	NA	NA	-6.862269	Not Constant	NR	NR	NR	NR	NR	R	NR	R
12	312	DJCTp21gedFIT	0.9976613	"Fail to Reject H0"	Fail to Reject H0	-6.749634	Constant	NR	NR	R	R	R	R	NR	R
23	323	DJCTs21stdFIT	0.9737766	"Fail to Reject H0"	Fail to Reject H0	-6.742343	Constant	NR	R	R	R	NR	R	NR	NR
27	327	DJCTe12stdFIT	0.1968066	"Fail to Reject H0"	Fail to Reject H0	-6.439138	Constant	NR	NR	NR	NR	NR	NR	NR	NR
45	345	DJCTe11norFIT	0.9933336	"Fail to Reject H0"	No valid ES model for ES distribution	-6.542574	Constant	NR	R	R	R	NR	R	R	R
47	347	DJCTe12norFIT	0.9897117	"Fail to Reject H0"	No valid ES model for ES distribution	-6.542467	Constant	NR	R	R	R	NR	R	NR	R
51	351	DJCTp12norFIT	0.9822416	"Fail to Reject H0"	No valid ES model for ES distribution	-6.538609	Constant	NR	R	R	R	NR	R	NR	R
21	501	DJNIs11stdFIT	0.9985056	NA	NA	-5.881107	Constant	NR	R	NR	R	NR	R	NR	R
28	508	DJNIe21stdFIT	0.9935327	NA	NA	-5.935111	Not Constant	NR	NR	R	R	NR	R	NR	NR
45	525	DJNIe11norFIT	0.9903816	"Fail to Reject H0"	No valid ES model for ES distribution	-5.700937	Constant	NR	R	NR	R	NR	NR	NR	R
46	526	DJNIe22norFIT	0.9909829	"Fail to Reject H0"	No valid ES model for ES distribution	-5.71906	Constant	NR	NR	NR	NR	NR	R	R	R
11	551	DJSIg12gedFIT	0.9764818	"Fail to Reject H0"	NA	-6.544795	Constant	NR	NR	R	R	R	NR	R	NR
21	561	DJSIs11stdFIT	0.9989999	NA	NA	-6.516298	Constant	NR	NR	R	R	R	NR	R	R
29	569	DJSIg11stdFIT	0.999	NA	NA	-6.517612	Constant	NR	NR	R	R	R	R	R	R
37	577	DJSIc11stdFIT	0.83946544	NA	NA	-6.559912	Constant	NR	R	NR	NR	NR	NR	R	R
21	621	DJSUs11stdFIT	0.999	NA	NA	-6.81787	Constant	NR	R	R	R	R	R	R	R
26	626	DJSUe22stdFIT	0.9936125	NA	NA	-6.854748	Not Constant	NR	R	R	R	NR	R	NR	NR
28	628	DJSUe21stdFIT	0.9933592	NA	NA	-6.054836	Not Constant	NR	R	NR	R	NR	R	R	R
30	630	DJSUg22stdFIT	0.9943672	NA	NA	-6.023567	Not Constant	NR	NR	R	R	NR	NR	NR	R
32	632	DJSUg21stdFIT	0.9932637	NA	NA	-6.02457	Not Constant	NR	NR	R	R	NR	NR	R	R
43	643	DJSUs12norFIT	0.9948628	"Fail to Reject H0"	No valid ES model for ES distribution	-5.812695	Constant	NR	NR	NR	NR	NR	NR	R	R
5	665	DJWEe11gedFIT	0.9814676	"Fail to Reject H0"	NA	-6.113467	Constant	NR	R	R	R	R	R	R	R
7	667	DJWEe12gedFIT	0.967279	"Fail to Reject H0"	NA	-6.11745	Constant	NR	R	NR	NR	NR	NR	R	R
25	685	DJWEe11stdFIT	0.9858765	NA	NA	-6.106854	Not Constant	NR	R	R	R	NR	R	R	R
27	687	DJWEe12stdFIT	0.9737067	NA	NA	-6.110959	Not Constant	NR	NR	NR	NR	NR	NR	R	R
45	705	DJWEe11norFIT	0.976597	"Fail to Reject H0"	No valid ES model for ES distribution	-5.99997	Constant	NR	R	R	R	NR	R	R	R
47	707	DJWEe12norFIT	0.9631491	"Fail to Reject H0"	No valid ES model for ES distribution	-6.003631	Constant	NR	R	NR	R	NR	R	R	R
49	709	DJWEg11norFIT	0.9826168	"Fail to Reject H0"	No valid ES model for ES distribution	-5.996429	Constant	NR	R	R	R	NR	R	R	R
26	746	DJZIe22stdFIT	0.9984693	NA	NA	-6.443261	Constant	NR	R	NR	R	NR	R	NR	R
28	748	DJZIe21stdFIT	0.9982692	NA	NA	-6.445118	Constant	NR	R	NR	R	NR	R	NR	R
41	761	DJZIs11norFIT	0.9962598	"Fail to Reject H0"	No valid ES model for ES distribution	-6.204057	Constant	NR	NR	NR	R	NR	NR	R	R
45	765	DJZIe11norFIT	0.9934963	"Fail to Reject H0"	No valid ES model for ES distribution	-6.221563	Constant	NR	NR	NR	NR	NR	NR	R	R
47	767	DJZIe12norFIT	0.9884807	"Fail to Reject H0"	No valid ES model for ES distribution	-6.223758	Constant	NR	NR	NR	NR	NR	NR	R	R
51	771	DJZIg12norFIT	0.998166	"Fail to Reject H0"	No valid ES model for ES distribution	-6.209346	Constant	NR	NR	R	NR	NR	NR	R	R
5	785	DJLHe11gedFIT	0.9893322	"Fail to Reject H0"	Fail to Reject H0	-5.973681	Constant	NR	R	NR	R	NR	R	R	NR
7	787	DJLHe12gedFIT	0.9764773	"Fail to Reject H0"	Fail to Reject H0	-5.980253	Constant	NR	R	NR	R	NR	R	R	NR
25	805	DJLHe11stdFIT	0.9895961	"Fail to Reject H0"	NA	-5.93264	Constant	NR	R	R	R	NR	R	R	R
27	807	DJLHe12stdFIT	0.971741	"Fail to Reject H0"	Fail to Reject H0	-5.941223	Constant	NR	R	NR	R	NR	R	R	R
45	825	DJLHe11norFIT	0.9869945	"Fail to Reject H0"	No valid ES model for ES distribution	-5.792131	Constant	NR	R	R	R	NR	R	R	R
47	827	DJLHe12norFIT	0.9742968	"Fail to Reject H0"	No valid ES model for ES distribution	-5.800903	Constant	NR	R	NR	R	NR	R	R	R
48	828	DJLHe21norFIT	0.9877315	"Fail to Reject H0"	No valid ES model for ES distribution	-5.821287	Constant	NR	NR	NR	NR	NR	NR	R	R
28	868	DJNGe21stdFIT	0.9928457	"Fail to Reject H0"	Reject H0	-5.387628	Not Constant	NR	NR	NR	NR	NR	NR	NR	NR
47	887	DJNGe12norFIT	0.9869618	"Fail to Reject H0"	No valid ES model for ES distribution	-5.278393	Constant	NR	R	R	R	NR	NR	R	R
5	905	DJPEe11gedFIT	0.9969754	"Fail to Reject H0"	Reject H0	-6.067138	Constant	NR	R	R	R	NR	R	R	R
7	907	DJPEe12gedFIT	0.9944633	"Fail to Reject H0"	Reject H0	-6.068059	Constant	NR	NR	R	R	NR	R	R	R
25	925	DJPEe11stdFIT	0.9983364	"Fail to Reject H0"	Reject H0	-6.057327	Constant	NR	R	R	R	NR	R	R	R
27	927	DJPEe12stdFIT	0.9972205	"Fail to Reject H0"	Reject H0	-6.057978	Constant	NR	R	R	R	NR	R	R	R
45	945	DJPEe11norFIT	0.9960026	"Fail to Reject H0"	No valid ES model for ES distribution	-5.884841	Constant	NR	R	R	R	NR	R	R	R
47	947	DJPEe12norFIT	0.9926124	"Fail to Reject H0"	No valid ES model for ES distribution	-5.886936	Constant	NR	NR	R	R	NR	R	R	R
8	968	DJSOe21gedFIT	0.9895044	"Fail to Reject H0"	Fail to Reject H0	-6.807214	Not Constant	R	NR	NR	R	NR	NR	R	R
28	988	DJSOe21stdFIT	0.9924894	NA	NA	-6.81648	Not Constant	R	R	NR	R	NR	NR	R	R
45	1005	DJSOe11norFIT	0.9846421	NA	No valid ES model for ES distribution	-6.607667	Constant	NR	NR	NR	R	NR	NR	R	R
46	1006	DJSOe22norFIT	0.9820976	NA	No valid ES model for ES distribution	-6.619183	Not Constant	R	NR	NR	NR	NR	NR	NR	R
48	1008	DJSOe21norFIT	0.9850006	NA	No valid ES model for ES distribution	-6.619684	Not Constant	R	NR	NR	NR	NR	NR	R	R
1	1021	SEFPs11gedFIT	0.9506405	"Fail to Reject H0"	Reject H0	-6.510848	Constant	NR	NR	NR	R	R	NR	R	R
5	1025	SEFPe11gedFIT	0.9428363	"Fail to Reject H0"	Reject H0	-6.529306	Not Constant	NR	NR	NR	R	R	NR	R	R
7	1027	SEFPe12gedFIT	0.9144183	"Fail to Reject H0"	Reject H0	-6.533415	Constant	NR	NR	NR	R	R	NR	R	R
25	1045	SEFPe11stdFIT	0.9342728	"Fail to Reject H0"	Fail to Reject H0	-6.489842	Not Constant	NR	NR	NR	NR	NR	NR	R	R
27	1047	SEFPe12stdFIT	0.8886444	"Fail to Reject H0"	Fail to Reject H0	-6.499257	Constant	NR	NR	NR	NR	NR	NR	R	R
41	1061	SEFPs11norFIT	0.9463413	"Fail to Reject H0"	No valid ES model for ES distribution	-6.251257	Constant	NR	NR	NR	R	NR	NR	NR	R
45	1065	SEFPe11norFIT	0.9406404	"Fail to Reject H0"	No valid ES model for ES distribution	-6.294708	Not Constant	NR	NR	NR	NR	NR	NR	R	R
47	1067	SEFPe12norFIT	0.9254655	"Fail to Reject H0"	No valid ES model for ES distribution	-6.29564	Not Constant	NR	NR	NR	NR	NR	NR	R	R
1	1081	SEECs11gedFIT	0.9291846	"Fail to Reject H0"	Fail to Reject H0	-7.150234	Constant	NR	NR	NR	NR	NR	NR	NR	NR
5	1085	SEECe11gedFIT	0.9574729	"Fail to Reject H0"	Fail to Reject H0	-7.180971	Not Constant	NR	NR	NR	NR	NR	NR	NR	NR
7	1087	SEECe12gedFIT	0.9490756	"Fail to Reject H0"	Fail to Reject H0	-7.179923	Not Constant	NR	NR	NR	NR	NR	NR	NR	NR
27	1107	SEECe12stdFIT	0.9359922	NA	NA	-7.134983	Constant	NR	NR	NR	NR	NR	NR	NR	R
43	1123	SEECs12norFIT	0.9548422	"Fail to Reject H0"	No valid ES model for ES distribution	-6.881408	Constant	NR	NR	NR	NR	NR	NR	NR	R
47	1127	SEECe12norFIT	0.9716926	"Fail to Reject H0"	No valid ES model for ES distribution	-6.9335	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
5	1145	SEFLe11gedFIT	0.9782281	"Fail to Reject H0"	Fail to Reject H0	-7.039925	Not Constant	R	NR	R	R	NR	NR	NR	R
9	1149	SEFLg11gedFIT	0.9549935	"Fail to Reject H0"	Fail to Reject H0	-7.029781	Constant	R	NR	R	R	NR	NR	NR	R
45	1185	SEFLe11norFIT	0.9792539	"Fail to Reject H0"	No valid ES model for ES distribution	-6.753645	Not Constant	R	NR	R	R	NR	NR	NR	R
47	1187	SEFLe12norFIT	0.9539564	"Fail to Reject H0"	No valid ES model for ES distribution	-6.776371	Not Constant	R	NR	R	R	NR	NR	NR	R
5	1205	SEUTe11gedFIT	0.970287	"Fail to Reject H0"	Fail to Reject H0	-7.159805	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
7	1207	SEUTe12gedFIT	0.956608	"Fail to Reject H0"	Fail to Reject H0	-7.16146	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
17	1217	SEUTc11gedFIT	0.38071572	"Fail to Reject H0"	Fail to Reject H0	-7.162487	Constant	NR	NR	NR	NR	NR	NR	NR	NR
25	1225	SEUTe11stdFIT	0.974089	"Fail to Reject H0"	Fail to Reject H0	-7.11568	Not Constant	NR	NR	NR	NR	NR	NR	R	R
37	1237	SEUTc11stdFIT	0.50579716	"Fail to Reject H0"	NA	-7.120383	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
45	1245	SEUTe11norFIT	0.9733668	"Fail to Reject H0"	No valid ES model for ES distribution	-6.891297	Not Constant	NR	NR	NR	NR	NR	NR	R	R
47	1247	SEUTe12norFIT	0.9601403	"Fail to Reject H0"	No valid ES model for ES distribution	-6.895708	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
5	1265	SETRe11gedFIT	0.959356	"Fail to Reject H0"	Reject H0	-7.413854	Constant	NR	R	R	R	R	R	NR	R
43	1303	SETRs12norFIT	0.9399543	"Fail to Reject H0"	No valid ES model for ES distribution	-7.190129	Constant	NR	R	R	R	NR	R	NR	R
45	1305	SETRe11norFIT	0.9707129	"Fail to Reject H0"	No valid ES model for ES distribution	-7.203038	Not Constant	NR	R	R	R	R	R	R	R
47	1307	SETRe12norFIT	0.9504596	"Fail to Reject H0"	No valid ES model for ES distribution	-7.210301	Constant	NR	NR	R	R	NR	R	NR	R
51	1311	SETRg12norFIT	0.9331092	"Fail to Reject H0"	No valid ES model for ES distribution	-7.204576	Not Constant	NR	NR	R	R	NR	R	R	R
5	1325	SEMOe11gedFIT	0.9802504	"Fail to Reject H0"	Fail to Reject H0	-7.006766	Not Constant	NR	R	NR	R	R	R	R	NR
7	1327	SEMOe12gedFIT	0.9626503	"Fail to Reject H0"	Fail to Reject H0	-7.011785	Not Constant	NR	NR	NR	NR	NR	NR	NR	NR
25	1345	SEMOe11stdFIT	0.978906	NA	NA	-6.957069	Constant	NR	R	NR	R	NR	R	R	R
45	1365	SEMOe11norFIT	0.9846773	"Fail to Reject H0"	No valid ES model for ES distribution	-6.75495	Not Constant	NR	R	R	R	NR	R	R	R
5	1385	SEOGe11gedFIT	0.9913755	"Fail to Reject H0"	Reject H0	-6.792993	Constant	NR	R	R	R	NR	R	R	NR
7	1387	SEOGe12gedFIT	0.9850955	"Fail to Reject H0"	Reject H0	-6.796978	Constant	NR	NR	R	R	NR	R	R	NR
25	1405	SEOGe11stdFIT	0.9928547	"Fail to Reject H0"	NA	-6.748585	Constant	NR	R	R	R	NR	R	R	R
45	1425	SEOGe11norFIT	0.9904678	"Fail to Reject H0"	No valid ES model for ES distribution	-6.53888	Constant	NR	R	R	R	NR	R	R	R
47	1427	SEOGe12norFIT	0.9852445	"Fail to Reject H0"	No valid ES model for ES distribution	-6.54902	Not Constant	NR	NR	R	R	NR	R	R	R
48	1428	SEOGe21norFIT	0.9921917	"Fail to Reject H0"	No valid ES model for ES distribution	-6.564286	Not Constant	NR	NR	NR	NR	NR	R	R	R
5	1445	SEOEe11gedFIT	0.9962233	"Fail to Reject H0"	Reject H0	-5.960936	Constant	NR	R	R	R	NR	R	R	NR
7	1447	SEOEe12gedFIT	0.990149	"Fail to Reject H0"	Fail to Reject H0	-5.963659	Constant	NR	NR	R	R	NR	R	R	NR
25	1465	SEOEe11stdFIT	0.9988046	"Fail to Reject H0"	Reject H0	-5.943118	Not Constant	NR	R	R	R	NR	R	R	R
45	1485	SEOEe11norFIT	0.993433	"Fail to Reject H0"	No valid ES model for ES distribution	-5.788146	Constant	NR	R	R	R	NR	R	R	R
47	1487	SEOEe12norFIT	0.9887158	"Fail to Reject H0"	No valid ES model for ES distribution	-5.789023	Constant	NR	NR	R	R	NR	R	R	R
1	1501	SEAIs11gedFIT	0.9455551	"Fail to Reject H0"	Reject H0	-6.16328	Constant	NR	NR	R	R	NR	NR	NR	R
5	1505	SEAIe11gedFIT	0.9525825	"Fail to Reject H0"	Reject H0	-6.166785	Not Constant	NR	NR	R	R	NR	NR	NR	R
7	1507	SEAIe12gedFIT	0.9232365	"Fail to Reject H0"	Reject H0	-6.16918	Not Constant	NR	NR	R	NR	NR	NR	NR	R
25	1525	SEAIe11stdFIT	0.9389213	"Fail to Reject H0"	Fail to Reject H0	-6.126722	Not Constant	NR	NR	R	R	NR	NR	NR	R
41	1541	SEAIs11norFIT	0.9455327	"Fail to Reject H0"	No valid ES model for ES distribution	-5.941291	Constant	NR	NR	R	R	NR	NR	NR	R
43	1543	SEAIs12norFIT	0.909801	"Fail to Reject H0"	No valid ES model for ES distribution	-5.947396	Constant	NR	NR	R	NR	NR	NR	NR	R
45	1545	SEAIe11norFIT	0.9604816	"Fail to Reject H0"	No valid ES model for ES distribution	-5.941686	Constant	NR	NR	R	R	NR	NR	NR	R
59	1559	SEAIe12norFIT	0.8697048	"Fail to Reject H0"	No valid ES model for ES distribution	-5.944868	Constant	NR	NR	R	NR	NR	NR	NR	R
5	1565	SESIe11gedFIT	0.9511011	"Fail to Reject H0"	Reject H0	-7.483784	Not Constant	NR	R	NR	R	NR	R	R	R
7	1567	SESIe12gedFIT	0.9253809	"Fail to Reject H0"	Reject H0	-7.492133	Not Constant	NR	NR	NR	NR	NR	NR	R	R
8	1568	SESIe21gedFIT	0.971206	"Fail to Reject H0"	Reject H0	-7.511078	Constant	NR	NR	NR	NR	NR	NR	R	R
25	1585	SESIe11stdFIT	0.9562642	"Fail to Reject H0"	Fail to Reject H0	-7.449705	Constant	NR	R	R	R	NR	R	R	R
27	1587	SESIe12stdFIT	0.9288822	"Fail to Reject H0"	Fail to Reject H0	-7.458777	Constant	NR	NR	NR	NR	NR	R	R	R
45	1605	SESIe11norFIT	0.9515613	"Fail to Reject H0"	No valid ES model for ES distribution	-7.300063	Constant	NR	R	R	R	NR	R	R	R
46	1606	SESIe22norFIT	0.9717099	"Fail to Reject H0"	No valid ES model for ES distribution	-7.327356	Constant	NR	NR	NR	NR	NR	NR	NR	R
47	1607	SESIe12norFIT	0.9278603	"Fail to Reject H0"	No valid ES model for ES distribution	-7.314702	Constant	NR	NR	NR	NR	NR	R	R	R
48	1608	SESIe21norFIT	0.9739667	"Fail to Reject H0"	No valid ES model for ES distribution	-7.328379	Constant	NR	NR	NR	NR	NR	NR	R	R
49	1609	SESIg11norFIT	0.9579236	"Fail to Reject H0"	No valid ES model for ES distribution	-7.305557	Constant	NR	R	NR	R	NR	R	R	R
51	1611	SESIg12norFIT	0.9397147	"Fail to Reject H0"	No valid ES model for ES distribution	-7.319007	Constant	NR	NR	NR	R	NR	R	R	R
5	1625	SEREe11gedFIT	0.9745194	"Fail to Reject H0"	Reject H0	-7.175389	Constant	NR	NR	R	NR	NR	NR	NR	NR
25	1645	SEREe11stdFIT	0.9789005	"Fail to Reject H0"	Reject H0	-7.149267	Constant	NR	NR	R	NR	NR	NR	NR	R
29	1649	SEREg11stdFIT	0.999	"Fail to Reject H0"	NA	-7.139291	Constant	NR	NR	R	NR	NR	NR	NR	R
45	1665	SEREe11norFIT	0.9790541	"Fail to Reject H0"	No valid ES model for ES distribution	-6.923236	Constant	NR	NR	R	NR	R	NR	NR	R
47	1667	SEREe12norFIT	0.9665855	"Fail to Reject H0"	No valid ES model for ES distribution	-6.932713	Constant	NR	NR	R	NR	NR	NR	NR	R
1	1681	SEAEs11gedFIT	0.9795491	"Fail to Reject H0"	Fail to Reject H0	-5.885012	Constant	NR	R	R	R	NR	NR	NR	NR
5	1685	SEAEe11gedFIT	0.9673764	"Fail to Reject H0"	Reject H0	-5.904888	Not Constant	NR	NR	R	R	NR	NR	NR	NR
45	1725	SEAEe11norFIT	0.9521175	"Fail to Reject H0"	No valid ES model for ES distribution	-5.561245	Not Constant	NR	NR	R	NR	NR	NR	NR	R
47	1727	SEAEe12norFIT	0.9369749	"Fail to Reject H0"	No valid ES model for ES distribution	-5.563985	Constant	NR	NR	R	NR	NR	NR	NR	R
5	1745	SESOe11gedFIT	0.9628118	"Fail to Reject H0"	Reject H0	-7.091488	Not Constant	NR	NR	R	R	NR	R	R	R
25	1765	SESOe11stdFIT	0.9612995	"Fail to Reject H0"	Reject H0	-7.066645	Not Constant	NR	NR	R	R	NR	R	R	R

27	1767	SESOe12stdFIT	0.945699	"Fail to Reject H0"	Reject H0	-7.067632	Not Constant	NR	NR	R	R	NR	NR	NR	R
5	1805	SETEe11gedFIT	0.957557	"Fail to Reject H0"	Reject H0	-6.593263	Constant	NR	R	R	R	NR	R	R	R
7	1807	SETEe12gedFIT	0.9380244	"Fail to Reject H0"	Reject H0	-6.594838	Constant	NR	NR	R	R	NR	R	R	R
21	1821	SETEs11stdFIT	0.999	"Fail to Reject H0"	Fail to Reject H0	-6.538202	Constant	NR	R	R	R	NR	R	R	R
25	1825	SETEe11stdFIT	0.967027	"Fail to Reject H0"	Fail to Reject H0	-6.563553	Not Constant	NR	R	R	R	NR	R	R	R
27	1827	SETEe12stdFIT	0.9525081	"Fail to Reject H0"	Fail to Reject H0	-6.565158	Not Constant	NR	NR	R	R	NR	R	R	R
45	1845	SETEe11norFIT	0.9501397	"Fail to Reject H0"	No valid ES model for ES distribution	-6.396514	Not Constant	NR	R	R	R	NR	R	R	R
7	1867	SEBEe12gedFIT	0.9739873	"Fail to Reject H0"	Reject H0	-7.262826	Constant	R	R	NR	R	NR	NR	R	NR
25	1885	SEBEe11stdFIT	0.9862516	"Fail to Reject H0"	Fail to Reject H0	-7.217108	Constant	R	R	NR	R	NR	NR	R	R
47	1907	SEBEe12norFIT	0.9812595	"Fail to Reject H0"	No valid ES model for ES distribution	-7.000621	Not Constant	R	R	NR	R	NR	NR	R	R
5	1925	SEETe11gedFIT	0.9724196	"Fail to Reject H0"	Reject H0	-7.548093	Constant	NR	NR	R	R	NR	NR	NR	NR
7	1927	SEETe12gedFIT	0.9569872	"Fail to Reject H0"	Reject H0	-7.553564	Constant	NR	NR	R	NR	NR	NR	NR	R
25	1945	SEETe11stdFIT	0.9706442	"Fail to Reject H0"	NA	-7.514579	Constant	NR	NR	R	R	NR	NR	NR	R
27	1947	SEETe12stdFIT	0.9527623	"Fail to Reject H0"	Fail to Reject H0	-7.520669	Constant	NR	NR	R	NR	NR	NR	NR	R
45	1965	SEETe11norFIT	0.9788777	"Fail to Reject H0"	No valid ES model for ES distribution	-7.317317	Constant	NR	NR	NR	NR	NR	NR	R	R
47	1967	SEETe12norFIT	0.9674021	"Fail to Reject H0"	No valid ES model for ES distribution	-7.32967	Constant	NR	NR	NR	NR	NR	NR	NR	R
5	1985	SECHe11gedFIT	0.9708006	"Fail to Reject H0"	Reject H0	-7.152362	Not Constant	NR	R	NR	NR	NR	NR	R	R
7	1987	SECHe12gedFIT	0.9567832	"Fail to Reject H0"	Reject H0	-7.155587	Not Constant	NR	NR	NR	NR	NR	NR	R	NR
25	2005	SECHe11stdFIT	0.972754	"Fail to Reject H0"	Fail to Reject H0	-7.11910	Constant	NR	NR	NR	NR	NR	NR	R	R
27	2007	SECHe12stdFIT	0.9577359	"Fail to Reject H0"	Fail to Reject H0	-7.124201	Constant	NR	NR	NR	R	NR	NR	R	R
45	2025	SECHe11norFIT	0.9786146	"Fail to Reject H0"	No valid ES model for ES distribution	-6.94559	Not Constant	NR	R	NR	R	NR	NR	R	R
47	2027	SECHe12norFIT	0.9662431	"Fail to Reject H0"	No valid ES model for ES distribution	-6.950961	Not Constant	NR	NR	NR	NR	NR	NR	R	R
48	2028	SECHe21norFIT	0.9866482	"Fail to Reject H0"	No valid ES model for ES distribution	-6.962601	Constant	NR	NR	NR	NR	NR	NR	R	R
5	2045	SEAPe11gedFIT	0.99	"Fail to Reject H0"	Fail to Reject H0	-6.595474	Constant	NR	NR	R	R	NR	R	R	NR
25	2065	SEAPe11stdFIT	0.9914449	"Fail to Reject H0"	Fail to Reject H0	-6.543316	Not Constant	NR	NR	R	R	NR	R	R	R
27	2067	SEAPe12stdFIT	0.9853275	"Fail to Reject H0"	Fail to Reject H0	-6.547154	Not Constant	NR	NR	R	NR	NR	R	NR	R
45	2085	SEAPe11norFIT	0.9937528	"Fail to Reject H0"	No valid ES model for ES distribution	-6.378433	Not Constant	NR	R	R	R	NR	R	R	R
47	2087	SEAPe12norFIT	0.9879305	"Fail to Reject H0"	No valid ES model for ES distribution	-6.384418	Not Constant	NR	NR	R	R	NR	R	NR	R
1	2101	BITCs11gedFIT	0.9989998	"Fail to Reject H0"	Fail to Reject H0	-4.001655	Constant	NR	NR	NR	NR	R	NR	NR	NR
3	2103	BITCs12gedFIT	0.998994	"Fail to Reject H0"	Fail to Reject H0	-4.003824	Constant	NR	NR	NR	NR	R	NR	NR	NR
19	2119	BITCc12gedFIT	0.3163046	"Fail to Reject H0"	Fail to Reject H0	-4.001067	Constant	NR	NR	NR	NR	R	NR	NR	NR
45	2145	BITCe11norFIT	0.943208	"Fail to Reject H0"	No valid ES model for ES distribution	-3.783992	Not Constant	NR	NR	NR	NR	R	NR	NR	R
47	2147	BITCe12norFIT	0.9376571	"Fail to Reject H0"	No valid ES model for ES distribution	-3.788061	Not Constant	NR	NR	NR	NR	R	NR	NR	R
57	2157	BITCc11norFIT	0.9014007	"Fail to Reject H0"	No valid ES model for ES distribution	-3.780206	Not Constant	NR	NR	NR	NR	R	NR	NR	R
1	2161	LITCs11gedFIT	0.999	"Fail to Reject H0"	NA	-3.385761	Constant	NR	NR	NR	NR	NR	NR	NR	R
17	2177	LITCc11gedFIT	0.9529627	"Fail to Reject H0"	Reject H0	-3.399367	Constant	NR	NR	NR	NR	R	NR	NR	R
19	2179	LITCc12gedFIT	0.9415197	"Fail to Reject H0"	Reject H0	-3.399978	Constant	NR	NR	NR	NR	R	NR	NR	R
41	2201	LITCs11norFIT	0.9796276	"Fail to Reject H0"	No valid ES model for ES distribution	-2.897976	Constant	NR	NR	NR	NR	NR	NR	NR	R
45	2205	LITCe11norFIT	0.9540384	"Fail to Reject H0"	No valid ES model for ES distribution	-2.881043	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
47	2207	LITCe12norFIT	0.9491155	"Fail to Reject H0"	No valid ES model for ES distribution	-2.88095	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
48	2208	LITCe21norFIT	0.9588835	NA	No valid ES model for ES distribution	-2.88509	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
49	2209	LITCg11norFIT	0.9786465	"Fail to Reject H0"	No valid ES model for ES distribution	-2.898559	Constant	NR	NR	NR	NR	NR	NR	NR	R
57	2217	LITCc11norFIT	0.96473603	NA	No valid ES model for ES distribution	-2.898639	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
59	2219	LITCc12norFIT	0.96148296	NA	No valid ES model for ES distribution	-2.897774	Not Constant	NR	NR	NR	NR	NR	NR	NR	R
5	2225	GREXe11gedFIT	0.2575156	"Fail to Reject H0"	Fail to Reject H0	-10.93653	Constant	NR	NR	NR	NR	R	NR	NR	R
7	2227	GREXe12gedFIT	0.2584329	"Fail to Reject H0"	Fail to Reject H0	-10.99778	Constant	NR	NR	NR	NR	NR	NR	R	R
8	2228	GREXe21gedFIT	0.9941068	"Fail to Reject H0"	Fail to Reject H0	-10.93252	Not Constant	NR	NR	NR	NR	R	NR	NR	NR
1	2281	DAXPs11gedFIT	0.9261058	"Fail to Reject H0"	Reject H0	-7.387437	Constant	NR	R	NR	R	NR	R	R	R
21	2301	DAXPs11stdFIT	0.9597602	"Fail to Reject H0"	Fail to Reject H0	-7.373942	Constant	NR	R	R	R	NR	R	R	R
43	2323	DAXPs12norFIT	0.8636803	"Fail to Reject H0"	No valid ES model for ES distribution	-7.177537	Constant	NR	R	NR	R	NR	R	R	R
45	2325	DAXPe11norFIT	0.8867242	"Fail to Reject H0"	No valid ES model for ES distribution	-7.16851	Constant	NR	R	R	R	NR	R	R	R
49	2329	DAXPg11norFIT	0.8937611	"Fail to Reject H0"	No valid ES model for ES distribution	-7.172502	Constant	NR	R	R	R	NR	R	R	R

McNeil Backtest

For st distribution

Test	$expected.exceed	$actual.exceed	$boot.p.value	$p.value	$Decision	
DIAClt1aedBMST	4	1	NA	NA	NA	DIAC
DIAClt2gedBMST	4	1	NA	NA	NA	DIAC
DIAClt1stdBMST	4	0	NaN	NaN	NA	DIAC
DIAClt2stdBMST	4	0	NaN	NaN	NA	DIAC
DIAClt1norBMST	4	0	NaN	NaN	NA	DIAC
DIAClt2norBMST	4	0	NaN	NaN	NA	DIAC
DIAClu2norBMST	4	0	NaN	NaN	NA	DIAC
DIALi1gedBMST	4	9	0.9999993	1	"Fail to Reject HO"	DIAL
DIALu1gedBMST	4	9	0.9999916	1	"Fail to Reject HO"	DIAL
DIALu2gedBMST	4	13	0.9999897	1	"Fail to Reject HO"	DIAL
DIALc1aedBMST	4	6	1	1	"Fail to Reject HO"	DIAL
DIALu1stdBMST	4	5	1	1	"Fail to Reject HO"	DIAL
DIALu1stdBMST	4	2	1	1	"Fail to Reject HO"	DIAL
DIALe1norBMST	4	9	0.9999941	1	"Fail to Reject HO"	DIAL
DIALe2norBMST	4	9	0.9999958	1	"Fail to Reject HO"	DIAL
DICCe1aedBMST	4	10	0.9794758	0.9973854	"Fail to Reject HO"	DICC
DICCe2gedBMST	4	10	0.9858866	0.9985076	"Fail to Reject HO"	DICC
DICCs1stdBMST	4	9	0.9985555	0.9999714	"Fail to Reject HO"	DICC
DICCe1stdBMST	4	6	0.999999	1	"Fail to Reject HO"	DICC
DICFe22gedBMST	4	19	0.9421573	0.9896332	"Fail to Reject HO"	DICF
DICFe12aedBMST	4	10	0.913355	0.9706514	"Fail to Reject HO"	DICF
DICFg21gedBMST	4	9	0.8747155	0.9463285	"Fail to Reject HO"	DICF
DICFe21stdBMST	4	18	0.9355648	0.988003	"Fail to Reject HO"	DICF
DICFe11norBMST	4	6	0.9301118	0.9797483	"Fail to Reject HO"	DICF
DICFe22norBMST	4	29	0.9768219	0.9991781	"Fail to Reject HO"	DICF
DICFe12norBMST	4	5	0.9694684	0.9946558	"Fail to Reject HO"	DICF
DICFe21norBMST	4	23	0.9572549	0.9954714	"Fail to Reject HO"	DICF
DICFg22norBMST	4	9	0.8863343	0.9434836	"Fail to Reject HO"	DICF
DICFg21norBMST	4	13	0.8549851	0.9292876	"Fail to Reject HO"	DICF
DICPe22stdBMST	4	0	NaN	NaN	NA	DICP
DICPe21stdBMST	4	0	NaN	NaN	NA	DICP
DICTg21gedBMST	4	8	0.8931246	0.9612592	"Fail to Reject HO"	DICT
DICTs12stdBMST	4	7	0.985553	0.9997359	"Fail to Reject HO"	DICT
DICTe12stdBMST	4	8	0.9600375	0.9952933	"Fail to Reject HO"	DICT
DICTe11norBMST	4	8	0.9446754	0.988852	"Fail to Reject HO"	DICT
DICTe12norBMST	4	8	0.9528408	0.9944248	"Fail to Reject HO"	DICT
DICTg12norBMST	4	10	0.9487751	0.9908384	"Fail to Reject HO"	DICT
DINIs11stdBMST	4	0	NaN	NaN	NA	DINI
DINIe21stdBMST	4	0	NaN	NaN	NA	DINI
DINIe11norBMST	4	4	1	1	"Fail to Reject HO"	DINI
DINIe22norBMST	4	4	1	1	"Fail to Reject HO"	DINI
DISIg12gedBMST	4	2	0.9999996	0.9999993	"Fail to Reject HO"	DISI
DISIs11stdBMST	4	0	NaN	NaN	NA	DISI
DISIe11stdBMST	4	0	NaN	NaN	NA	DISI
DISIc11stdBMST	4	0	NaN	NaN	NA	DISI
DISIu11stdBMST	4	0	NaN	NaN	NA	DISU
DISIu22stdBMST	4	1	NA	NA	NA	DISU
DISIu21stdBMST	4	1	NA	NA	NA	DISU
DISIu12stdBMST	4	0	NaN	NaN	NA	DISU
DISIu21norBMST	4	1	NA	NA	NA	DISU
DISIs12norBMST	4	6	0.9628592	0.9957575	"Fail to Reject HO"	DISU
DJWEe11gedBMST	4	3	0.9995471	0.99995	"Fail to Reject HO"	DJWE
DJWEe12gedBMST	4	3	0.9995237	0.999927	"Fail to Reject HO"	DJWE
DJWEe11stdBMST	4	1	NA	NA	NA	DJWE
DJWEe12stdBMST	4	1	NA	NA	NA	DJWE
DJWEe11norBMST	4	3	1	1	"Fail to Reject HO"	DJWE
DJWEe12norBMST	4	3	1	1	"Fail to Reject HO"	DJWE
DJWEg11norBMST	4	3	0.9996393	0.9999589	"Fail to Reject HO"	DJWE
DIZIe22stdBMST	4	0	NaN	NaN	NA	DIZI
DIZIe21stdBMST	4	0	NaN	NaN	NA	DIZI
DIZIs11norBMST	4	1	1	1	"Fail to Reject HO"	DIZI
DIZIe11norBMST	4	2	1	1	"Fail to Reject HO"	DIZI
DIZIe12norBMST	4	2	1	1	"Fail to Reject HO"	DIZI
DIZIe22norBMST	4	2	1	1	"Fail to Reject HO"	DIZI
DILHe11gedBMST	4	6	0.8038166	0.866472	"Fail to Reject HO"	DILH
DILHe12gedBMST	4	6	0.7442815	0.7819915	"Fail to Reject HO"	DILH
DILHe11stdBMST	4	2	0.9556281	0.909445	"Fail to Reject HO"	DILH
DILHe12stdBMST	4	2	0.6276677	0.7702815	"Fail to Reject HO"	DILH
DILHe11norBMST	4	5	0.9159758	0.9666257	"Fail to Reject HO"	DILH
DILHe12norBMST	4	5	0.898118	0.9590234	"Fail to Reject HO"	DILH
DILHe22norBMST	4	5	0.8407334	0.9028842	"Fail to Reject HO"	DILH
DINGe21stdBMST	4	25	0.4710005	0.3640085	"Fail to Reject HO"	DING
DINGe12norBMST	4	19	0.5862843	0.4899821	"Fail to Reject HO"	DING
DIPEe11aedBMST	4	23	0.3548301	0.2694084	"Fail to Reject HO"	DIPE
DIPEe12gedBMST	4	23	0.3442075	0.2644084	"Fail to Reject HO"	DIPE
DIPEs11stdBMST	4	11	0.459902	0.4289396	"Fail to Reject HO"	DIPE
DIPEe12stdBMST	4	11	0.4398239	0.3691009	"Fail to Reject HO"	DIPE
DIPEe11norBMST	4	16	0.5130276	0.4751888	"Fail to Reject HO"	DIPE
DIPEe12norBMST	4	16	0.5523139	0.5374432	"Fail to Reject HO"	DIPE
DISOe21gedBMST	4	2	0.9970925	0.994042	"Fail to Reject HO"	DISO
DISOe21stdBMST	4	1	NA	NA	NA	DISO
DISOe11norBMST	4	1	NA	NA	NA	DISO
DISOe22norBMST	4	1	NA	NA	NA	DISO
DISOe21norBMST	4	1	NA	NA	NA	DISO
SEFPs11gedBMST	4	15	0.7006818	0.7238293	"Fail to Reject HO"	SEFP
SEFPe11gedBMST	4	15	0.553742	0.5037045	"Fail to Reject HO"	SEFP
SEFPe12gedBMST	4	15	0.5254357	0.4806593	"Fail to Reject HO"	SEFP
SEFPe11stdBMST	4	5	0.9582255	0.9932171	"Fail to Reject HO"	SEFP
SEFPe12stdBMST	4	4	0.9507939	0.9888709	"Fail to Reject HO"	SEFP
SEFPs11norBMST	4	15	0.5871622	0.5512211	"Fail to Reject HO"	SEFP
SEFPe11norBMST	4	15	0.7852834	0.840955	"Fail to Reject HO"	SEFP
SEFPe12norBMST	4	15	0.7869014	0.8559179	"Fail to Reject HO"	SEFP
SEECs11gedBMST	4	7	1	1	"Fail to Reject HO"	SEEC
SEECe11gedBMST	4	8	1	1	"Fail to Reject HO"	SEEC
SEECe12gedBMST	4	8	1	1	"Fail to Reject HO"	SEEC
SEECe12stdBMST	4	0	NaN	NaN	NA	SEEC
SEECs12norBMST	4	6	1	1	"Fail to Reject HO"	SEEC
SEECe12norBMST	4	6	1	1	"Fail to Reject HO"	SEEC
SEFLs11gedBMST	4	7	0.9635214	0.9916221	"Fail to Reject HO"	SEFL
SEFLg11gedBMST	4	5	0.9959773	0.9997876	"Fail to Reject HO"	SEFL
SEFLe11norBMST	4	4	1	1	"Fail to Reject HO"	SEFL
SEFLe12norBMST	4	4	1	1	"Fail to Reject HO"	SEFL
SEUTe11gedBMST	4	9	0.7696642	0.8376485	"Fail to Reject HO"	SEUT
SEUTe12gedBMST	4	9	0.7499026	0.8090893	"Fail to Reject HO"	SEUT
SEUTc11gedBMST	4	8	0.8700016	0.9397615	"Fail to Reject HO"	SEUT
SEUTs11stdBMST	4	3	0.985328	0.9877208	"Fail to Reject HO"	SEUT
SEUTc11stdBMST	4	2	1	1	"Fail to Reject HO"	SEUT
SEUTe11norBMST	4	8	0.9391351	0.9888783	"Fail to Reject HO"	SEUT
SEUTe12norBMST	4	8	0.9512783	0.9930952	"Fail to Reject HO"	SEUT
SETRe11gedBMST	4	12	0.7768275	0.8457903	"Fail to Reject HO"	SETR
SETRe12norBMST	4	12	0.8418905	0.9112559	"Fail to Reject HO"	SETR
SETRe11norBMST	4	10	0.9349696	0.9835602	"Fail to Reject HO"	SETR
SETRe12norBMST	4	10	0.961746	0.9929236	"Fail to Reject HO"	SETR
SETRg12norBMST	4	11	0.8425524	0.9033533	"Fail to Reject HO"	SETR
SEMOe11gedBMST	4	1	1	1	"Fail to Reject HO"	SEMO
SEMOe12gedBMST	4	13	1	1	"Fail to Reject HO"	SEMO
SEMOe11stdBMST	4	0	NaN	NaN	NA	SEMO
SEMOe11norBMST	4	7	1	1	"Fail to Reject HO"	SEMO
SEOGe11gedBMST	4	8	0.4635802	0.4308133	"Fail to Reject HO"	SEOG
SEOGe12gedBMST	4	8	0.3764192	0.333331	"Fail to Reject HO"	SEOG
SEOGe11stdBMST	4	2	0.9999907	0.999982	"Fail to Reject HO"	SEOG
SEOGe11norBMST	4	6	0.8057004	0.8709246	"Fail to Reject HO"	SEOG
SEOGe12norBMST	4	6	0.8230827	0.8846418	"Fail to Reject HO"	SEOG
SEOGe21norBMST	4	6	0.6607149	0.7320696	"Fail to Reject HO"	SEOG
SEOEe11gedBMST	4	14	0.7716901	0.8476901	"Fail to Reject HO"	SEOE
SEOEe12gedBMST	4	14	0.826397	0.8944375	"Fail to Reject HO"	SEOE
SEOEe11stdBMST	4	5	0.9910821	0.9982752	"Fail to Reject HO"	SEOE
SEOEe11norBMST	4	12	0.9921299	0.9998338	"Fail to Reject HO"	SEOE
SEOEe12norBMST	4	12	0.9976519	0.9999802	"Fail to Reject HO"	SEOE
SEAIs11gedBMST	4	13	0.9843851	0.9993067	"Fail to Reject HO"	SEAI
SEAIe11gedBMST	4	14	0.987863	0.9995752	"Fail to Reject HO"	SEAI
SEAIe12gedBMST	4	14	0.9867621	0.9994527	"Fail to Reject HO"	SEAI
SEAIe11stdBMST	4	7	0.9962877	0.9998598	"Fail to Reject HO"	SEAI
SEAIs11norBMST	4	10	0.9422268	0.9867728	"Fail to Reject HO"	SEAI
SEAIs12norBMST	4	10	0.9462874	0.9859528	"Fail to Reject HO"	SEAI
SEAIe11norBMST	4	8	0.9827942	0.9976891	"Fail to Reject HO"	SEAI
SEAIc12norBMST	4	15	0.98267	0.9993178	"Fail to Reject HO"	SEAI
SEISs11gedBMST	4	8	0.5475822	0.5490856	"Fail to Reject HO"	SEIS
SEISe12gedBMST	4	8	0.5021446	0.487087	"Fail to Reject HO"	SEIS
SEISe21gedBMST	4	8	0.3608898	0.3140958	"Fail to Reject HO"	SEIS
SEISs11stdBMST	4	7	0.9871431	0.9994956	"Fail to Reject HO"	SEIS
SEISe12stdBMST	4	7	0.9844719	0.999193	"Fail to Reject HO"	SEIS
SEISs11norBMST	4	7	0.7996682	0.8584401	"Fail to Reject HO"	SEIS
SEISs22norBMST	4	7	0.5956777	0.5865275	"Fail to Reject HO"	SEIS
SEISe12norBMST	4	7	0.8001727	0.8610057	"Fail to Reject HO"	SEIS
SEISe21norBMST	4	7	0.592829	0.5692941	"Fail to Reject HO"	SEIS
SEISg11norBMST	4	8	0.8574779	0.9151823	"Fail to Reject HO"	SEIS
SEISg12norBMST	4	8	0.8561991	0.9160159	"Fail to Reject HO"	SEIS
SEREe11aedBMST	4	11	0.7702217	0.8377282	"Fail to Reject HO"	SERE
SEREe11stdBMST	4	4	0.8533183	0.8742392	"Fail to Reject HO"	SERE
SEREg11stdBMST	4	2	0.9999969	0.9999941	"Fail to Reject HO"	SERE
SEREe11norBMST	4	4	0.7223476	0.811122	"Fail to Reject HO"	SERE
SEREe12norBMST	4	4	0.7094388	0.8018891	"Fail to Reject HO"	SERE
SEAEs11aedBMST	4	4	0.9895882	0.983234	"Fail to Reject HO"	SEAE
SEAEe11gedBMST	4	4	0.9896634	0.9805247	"Fail to Reject HO"	SEAE
SEAEe11norBMST	4	3	1	1	"Fail to Reject HO"	SEAE
SEAEe12norBMST	4	3	1	1	"Fail to Reject HO"	SEAE
SESOe11gedBMST	4	19	0.5024716	0.4623448	"Fail to Reject HO"	SESO
SESOe11stdBMST	4	10	0.3726145	0.3119577	"Fail to Reject HO"	SESO
SESOe12stdBMST	4	10	0.3468672	0.3020983	"Fail to Reject HO"	SESO
SETEe11gedBMST	4	16	0.5515817	0.5391431	"Fail to Reject HO"	SETE
SETEe12gedBMST	4	16	0.5265633	0.4975285	"Fail to Reject HO"	SETE
SETEs11stdBMST	4	7	0.9998193	0.9999951	"Fail to Reject HO"	SETE
SETEe11stdBMST	4	7	0.9975184	0.9999269	"Fail to Reject HO"	SETE
SETEe12stdBMST	4	7	0.9977077	0.9999512	"Fail to Reject HO"	SETE
SETEe11norBMST	4	14	0.5432602	0.52043	"Fail to Reject HO"	SETE
SEBEe12gedBMST	4	7	0.293	0.2251732	"Fail to Reject HO"	SEBE
SEBEe11stdBMST	4	5	0.9741182	0.9956444	"Fail to Reject HO"	SEBE
SEBEe12norBMST	4	7	0.7062565	0.7300685	"Fail to Reject HO"	SEBE
SEETe11gedBMST	4	11	0.797344	0.8468034	"Fail to Reject HO"	SEET
SEETe12gedBMST	4	11	0.7744403	0.8154726	"Fail to Reject HO"	SEET
SEETe11stdBMST	4	3	0.8478672	0.9257503	"Fail to Reject HO"	SEET
SEETe12stdBMST	4	4	0.9381753	0.9844136	"Fail to Reject HO"	SEET
SEETe11norBMST	4	7	0.8915456	0.9521143	"Fail to Reject HO"	SEET
SEETe12norBMST	4	6	0.8219821	0.8919088	"Fail to Reject HO"	SEET
SECHe11gedBMST	4	13	0.596333	0.6016086	"Fail to Reject HO"	SECH
SECHe12gedBMST	4	13	0.5959577	0.5689719	"Fail to Reject HO"	SECH
SECHe11stdBMST	4	7	0.9734982	0.9964678	"Fail to Reject HO"	SECH
SECHe12stdBMST	4	7	0.975133	0.9964693	"Fail to Reject HO"	SECH
SECHe11norBMST	4	11	0.7409868	0.8139375	"Fail to Reject HO"	SECH
SECHe12norBMST	4	11	0.760792	0.8335748	"Fail to Reject HO"	SECH
SECHe21norBMST	4	11	0.7924255	0.8401154	"Fail to Reject HO"	SECH
SEAPe11gedBMST	4	11	0.8359674	0.9059075	"Fail to Reject HO"	SEAP
SEAPe11stdBMST	4	4	0.9854436	0.9943105	"Fail to Reject HO"	SEAP
SEAPe12stdBMST	4	4	0.9944984	0.9981648	"Fail to Reject HO"	SEAP
SEAPe11norBMST	4	8	0.9073464	0.964642	"Fail to Reject HO"	SEAP
SEAPe12norBMST	4	8	0.9500382	0.989856	"Fail to Reject HO"	SEAP
BITCs11gedBMST	4	4	0.8828031	0.9444673	"Fail to Reject HO"	BITC
BITCs12gedBMST	4	4	0.8659207	0.9264961	"Fail to Reject HO"	BITC
BITCc12gedBMST	4	6	0.8583756	0.9255335	"Fail to Reject HO"	BITC
BITCe11norBMST	4	4	0.912739	0.9503639	"Fail to Reject HO"	BITC
BITCe12norBMST	4	4	0.8659903	0.9251471	"Fail to Reject HO"	BITC
BITCc11norBMST	4	4	0.5626273	0.6007285	"Fail to Reject HO"	BITC
LITCs11gedBMST	4	5	0.9621501	0.9959877	"Fail to Reject HO"	LITC
LITCs12gedBMST	4	11	0.9619192	0.9944674	"Fail to Reject HO"	LITC
LITCc12gedBMST	4	10	0.9519643	0.9916002	"Fail to Reject HO"	LITC
LITCs11norBMST	4	6	0.9911871	0.999909	"Fail to Reject HO"	LITC
LITCs11norBMST	4	2	0.9425493	0.8862363	"Fail to Reject HO"	LITC
LITCe12norBMST	4	2	0.9443704	0.8880692	"Fail to Reject HO"	LITC
LITCe21norBMST	4	1	NA	NA	NA	LITC

For nor distribution

	expected.exceed	actual.exceed	H1			
DIACe11aedBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DIACe12gedBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DIACe11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DIACe12stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DIALi11gedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.675302064	0.72475058	Fail to Reject HO
DIALe11aedBMNO	4	6	Mean of Excess Violations of VaR is greater than zero	0.659954942	0.71473306	Fail to Reject HO
DIALe12gedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.554969873	0.54150633	Fail to Reject HO
DIALc11gedBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.977316108	0.95472277	Fail to Reject HO
DIALe11stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	1	1	Fail to Reject HO
DIALg11stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DICCe11aedBMNO	4	8	Mean of Excess Violations of VaR is greater than zero	0.186834826	0.11893451	Fail to Reject HO
DICCe12gedBMNO	4	8	Mean of Excess Violations of VaR is greater than zero	0.230857715	0.15311849	Fail to Reject HO
DICCs11stdBMNO	4	3	Mean of Excess Violations of VaR is greater than zero	0.324103428	0.26147673	Fail to Reject HO
DICCe11stdBMNO	4	3	Mean of Excess Violations of VaR is greater than zero	0.671652628	0.69609493	Fail to Reject HO
DICFe22gedBMNO	4	9	Mean of Excess Violations of VaR is greater than zero	0.032179042	0.01465668	Reject HO
DICFe12aedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.014086014	0.0179792	Reject HO
DICFg21gedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.015761663	0.01975136	Reject HO
DICFe21stdBMNO	4	9	Mean of Excess Violations of VaR is greater than zero	0.041842797	0.01718617	Reject HO
DICFe22stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DICFe21norBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DICTe12aedBMNO	4	6	Mean of Excess Violations of VaR is greater than zero	0.15119756	0.10222339	Fail to Reject HO
DICTc12stdBMNO	4	4	Mean of Excess Violations of VaR is greater than zero	0.49398499	0.352275	Fail to Reject HO
DICTe12stdBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.148263522	0.11881623	Fail to Reject HO
DINIs11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DINIe21stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIg12gedBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIs11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIg11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIe11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIu22stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIe21stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIu22norBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DISIu21stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DJWEe11gedBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DJWEe12gedBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DJWEe11stdBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DJWEe12stdBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DIZIe21stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DILHe11gedBMNO	4	4	Mean of Excess Violations of VaR is greater than zero	0.283457386	0.19408241	Fail to Reject HO
DILHe12gedBMNO	4	4	Mean of Excess Violations of VaR is greater than zero	0.207711123	0.13805913	Fail to Reject HO
DILHe11stdBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
DILHe12stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.451617964	0.40043076	Fail to Reject HO
DINGe21stdBMNO	4	18	Mean of Excess Violations of VaR is greater than zero	0.042970313	0.04767717	Reject HO
DIPEe11gedBMNO	4	16	Mean of Excess Violations of VaR is greater than zero	0.003517623	0.00072276	Reject HO
DIPEe12gedBMNO	4	16	Mean of Excess Violations of VaR is greater than zero	0.003459699	0.00068127	Reject HO
DIPEe11stdBMNO	4	9	Mean of Excess Violations of VaR is greater than zero	0.023260544	0.00704403	Reject HO
DIPEe12stdBMNO	4	9	Mean of Excess Violations of VaR is greater than zero	0.014793481	0.00492638	Reject HO
DISOe21gedBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.557532996	0.66236491	Fail to Reject HO
DISOe21stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
SEFPs11gedBMNO	4	11	Mean of Excess Violations of VaR is greater than zero	0.030007215	0.02120163	Reject HO
SEFPe11gedBMNO	4	12	Mean of Excess Violations of VaR is greater than zero	0.021068859	0.01254615	Reject HO
SEFPe12gedBMNO	4	12	Mean of Excess Violations of VaR is greater than zero	0.016777036	0.01158182	Reject HO
SEFPe11stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.401521793	0.2800852	Fail to Reject HO
SEFPe12stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.449155479	0.38330953	Fail to Reject HO
SEECs11gedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.999963494	0.99999715	Fail to Reject HO
SEECe11gedBMNO	4	4	Mean of Excess Violations of VaR is greater than zero	1	1	Fail to Reject HO
SEECe12gedBMNO	4	4	Mean of Excess Violations of VaR is greater than zero	0.99981615	0.99997938	Fail to Reject HO
SEECe12stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
SEFLg11gedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.151943297	0.08487944	Fail to Reject HO
SEFLg11gedBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.618730532	0.62407863	Fail to Reject HO
SEUTe11gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.104825594	0.06240139	Fail to Reject HO
SEUTe12gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.081505964	0.05038391	Fail to Reject HO
SEUTc11gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.279438598	0.18454794	Fail to Reject HO
SEUTe11stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.444221706	0.42567322	Fail to Reject HO
SEUTc11stdBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
SETRe11gedBMNO	4	9	Mean of Excess Violations of VaR is greater than zero	0.006676172	0.00224497	Reject HO
SEMOe11eedBMNO	4	6	Mean of Excess Violations of VaR is greater than zero	0.777092306	0.82335646	Fail to Reject HO
SEMOe12gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.793274101	0.8493349	Fail to Reject HO
SEMOe11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
SEOGe11gedBMNO	4	6	Mean of Excess Violations of VaR is greater than zero	0.001303187	0.00082692	Reject HO
SEOGe12gedBMNO	4	6	Mean of Excess Violations of VaR is greater than zero	0.000549909	0.00032801	Reject HO
SEOGe11stdBMNO	4	1	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
SEOEe11gedBMNO	4	11	Mean of Excess Violations of VaR is greater than zero	0.077700777	0.04141296	Reject HO
SEOEe12gedBMNO	4	11	Mean of Excess Violations of VaR is greater than zero	0.097490551	0.05314504	Fail to Reject HO
SEOEe11stdBMNO	4	2	Mean of Excess Violations of VaR is greater than zero	0.000743277	0.00162643	Reject HO
SEAIs11gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.093560713	0.04136456	Reject HO
SEAIe11gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.062311719	0.02841549	Reject HO
SEAIe12gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.062729676	0.02502097	Reject HO
SEAIe11stdBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.452282184	0.40458164	Fail to Reject HO
SEISe11gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.011562911	0.00639526	Reject HO
SEISe12gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.009169564	0.00416258	Reject HO
SEISe21gedBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.002378096	0.00107588	Reject HO
SEISe11stdBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.461995834	0.39827622	Fail to Reject HO
SEISe12stdBMNO	4	5	Mean of Excess Violations of VaR is greater than zero	0.437893035	0.3629894	Fail to Reject HO
SEREe11aedBMNO	4	6	Mean of Excess Violations of VaR is greater than zero	0.081752556	0.03483093	Reject HO
SEREe11stdBMNO	4	3	Mean of Excess Violations of VaR is greater than zero	7.87E-07	4.39E-08	Reject HO
SEREg11stdBMNO	4	0	Mean of Excess Violations of VaR is greater than zero	NA	NA	NA
SEAEs11gedBMNO	4	3	Mean of Excess Violations of VaR is greater than zero	0.097962232	0.05791727	Fail to Reject HO
SEAEe11gedBMNO	4	3	Mean of Excess Violations of VaR is greater than zero	0.008529864	0.01075418	Reject HO
SESOe11aedBMNO	4	11	Mean of Excess Violations of VaR is greater than zero	0.008264487	0.00113538	Reject HO
SESOe11stdBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.00387862	0.00018341	Reject HO
SESOe12stdBMNO	4	7	Mean of Excess Violations of VaR is greater than zero	0.003501337	0.00016684	Reject HO
SETEe11gedBMNO	4	14	Mean of Excess Violations of VaR is greater than zero	0.032100073	0.00864691	Reject HO
SETEe12gedBMNO	4	14	Mean of Excess Violations of VaR is greater than zero	0.024377473	0.00641774	Reject HO
SETEs11stdBMNO	4	4	Mean of Excess Violations of VaR is greater than zero	0.667617281	0.69227006	Fail to Reject HO

LITCgi1norBMST	4	6		0.9954561	0.9999937	"Fail to Reject H0"	LITC
LITCc11norBMST	4	1	NA	NA	NA	NA	LITC
LITCc12norBMST	4	1	NA	NA	NA	NA	LITC
GREXe11gedBMST	4	4		0.8418423	0.9040614	"Fail to Reject H0"	GREX
GREXe12gedBMST	4	5		0.9073045	0.9699733	"Fail to Reject H0"	GREX
GREXe21gedBMST	4	5		0.9039639	0.9623055	"Fail to Reject H0"	GREX
DAXPs11gedBMST	4	23		0.4862635	0.4010117	"Fail to Reject H0"	DAXP
DAXPs11std8MST	4	8		0.4195996	0.3413842	"Fail to Reject H0"	DAXP
DAXPs12norBMST	4	22		0.4524646	0.3748575	"Fail to Reject H0"	DAXP
DAXPe11norBMST	4	16		0.3242839	0.2315476	"Fail to Reject H0"	DAXP
DAXPg11norBMST	4	22		0.4748245	0.387555	"Fail to Reject H0"	DAXP

Nyblom Test

```
> nyblom(DJACe11gedFIT)$IndividualStat
     [,1]                                                
ma1     0.3421435 Constant DJACe11gedFIT Constant
omega   0.317073  Constant DJACe11gedFIT Constant
alpha1  0.2453724 Constant DJACe11gedFIT Constant
beta1   0.3283382 Constant DJACe11gedFIT Constant
gamma1  0.8431602 Constant DJACe11gedFIT Constant
shape   1.1695817 Constant DJACe11gedFIT Constant
> nyblom(DJACe11gedFIT)$IndividualStat                DJACe11gedFIT
     [,1]                                                DJACe11gedFIT
ma1     0.3421435 Constant DJACe11gedFIT Constant
omega   0.317073  Constant DJACe11gedFIT Constant
alpha1  0.2453724 Constant DJACe11gedFIT Constant
beta1   0.3283382 Constant DJACe11gedFIT Constant
gamma1  0.8431602 Constant DJACe11gedFIT Constant
shape   1.1695817 Constant DJACe11gedFIT Constant
> nyblom(DJACe12gedFIT)$IndividualStat                DJACe11gedFIT
     [,1]                                                DJACe11gedFIT
ma1     0.3171919 Constant DJACe12gedFIT Constant
omega   0.3116853 Constant DJACe12gedFIT Constant
alpha1  0.2771368 Constant DJACe12gedFIT Constant
beta1   0.3250441 Constant DJACe12gedFIT Constant
beta2   0.3257644 Constant DJACe12gedFIT Constant
gamma1  0.8803189 Constant DJACe12gedFIT Constant
shape   1.0829633 Constant DJACe12gedFIT Constant
> nyblom(DJACe11stdFIT)$IndividualStat                DJACe12gedFIT
     [,1]                                                DJACe12gedFIT
ma1     0.53453585 Constant DJACe11stdFIT Constant
omega   0.09652334 Constant DJACe11stdFIT Constant
alpha1  0.25085682 Constant DJACe11stdFIT Constant
beta1   0.10187298 Constant DJACe11stdFIT Constant
gamma1  0.06650474 Constant DJACe11stdFIT Constant
shape   0.26057602 Constant DJACe11stdFIT Constant
> nyblom(DJACe12stdFIT)$IndividualStat                DJACe11stdFIT
     [,1]                                                DJACe11stdFIT
ma1     0.55148192 Constant DJACe12stdFIT Constant
omega   0.07233591 Constant DJACe12stdFIT Constant
alpha1  0.23936012 Constant DJACe12stdFIT Constant
beta1   0.07756438 Constant DJACe12stdFIT Constant
beta2   0.07942606 Constant DJACe12stdFIT Constant
gamma1  0.19020995 Constant DJACe12stdFIT Constant
shape   0.17809747 Constant DJACe12stdFIT Constant
> nyblom(DJACe11norFIT)$IndividualStat                DJACe12stdFIT
     [,1]                                                DJACe12stdFIT
ma1     0.3174121 Constant DJACe11norFIT Constant
omega   0.3662893 Constant DJACe11norFIT Constant
alpha1  0.2445654 Constant DJACe11norFIT Constant
beta1   0.3781046 Constant DJACe11norFIT Constant
gamma1  1.0483493 Constant DJACe11norFIT Constant
> nyblom(DJACe12norFIT)$IndividualStat                DJACe11norFIT
     [,1]                                                DJACe11norFIT
ma1     0.3079263 Constant DJACe12norFIT Constant
omega   0.37909   Constant DJACe12norFIT Constant
alpha1  0.2761268 Constant DJACe12norFIT Constant
beta1   0.3926142 Constant DJACe12norFIT Constant
beta2   0.392491  Constant DJACe12norFIT Constant
gamma1  1.0286907 Constant DJACe12norFIT Constant
> nyblom(DJACe21norFIT)$IndividualStat                DJACe12norFIT
     [,1]                                                DJACe12norFIT
ma1     0.2915215 Constant DJACe21norFIT Constant
omega   0.3503361 Constant DJACe21norFIT Constant
alpha1  0.1603383 Constant DJACe21norFIT Constant
alpha2  0.1245324 Constant DJACe21norFIT Constant
beta1   0.361149  Constant DJACe21norFIT Constant
gamma1  1.3539021 Constant DJACe21norFIT Constant
gamma2  1.403498  Constant DJACe21norFIT Constant
> nyblom(DJALs11gedFIT)$IndividualStat                DJACe21norFIT
     [,1]                                                DJACe21norFIT
ar1     0.1332706 Constant DJALs11gedFIT Constant
ar2     0.2232161 Constant DJALs11gedFIT Constant
ma1     0.1343065 Constant DJALs11gedFIT Constant
ma2     0.2292113 Constant DJALs11gedFIT Constant
omega   21.4360332 Constant DJALs11gedFIT Constant
alpha1  0.4782702 Constant DJALs11gedFIT Constant
beta1   0.2164182 Constant DJALs11gedFIT Constant
shape   0.1048016 Constant DJALs11gedFIT Constant
> nyblom(DJALe11gedFIT)$IndividualStat                DJALs11gedFIT
     [,1]                                                DJALs11gedFIT
ar1     0.05538329 Constant     DJALe11gedFIT Constant
ar2     0.09117769 Constant     DJALe11gedFIT Constant
ma1     0.04604423 Not Constant DJALe11gedFIT Not Constant
ma2     0.06063144 Constant     DJALe11gedFIT Constant
omega   0.1970202  Constant     DJALe11gedFIT Constant
alpha1  0.43587488 Constant     DJALe11gedFIT Constant
beta1   0.18700195 Constant     DJALe11gedFIT Constant
gamma1  0.3516662  Constant     DJALe11gedFIT Constant
shape   0.11056372 Constant     DJALe11gedFIT Constant
> nyblom(DJALe12gedFIT)$IndividualStat                DJALe11gedFIT
     [,1]                                                DJALe11gedFIT
ar1     0.94639401 Constant DJALe12gedFIT Constant
ar2     0.89298416 Constant DJALe12gedFIT Constant
ma1     0.91765114 Constant DJALe12gedFIT Constant
ma2     0.87930566 Constant DJALe12gedFIT Constant
omega   0.43774616 Constant DJALe12gedFIT Constant
alpha1  0.59207155 Constant DJALe12gedFIT Constant
beta1   1.13147265 Constant DJALe12gedFIT Constant
beta2   0.36677666 Constant DJALe12gedFIT Constant
gamma1  0.12046224 Constant DJALe12gedFIT Constant
shape   0.06988821 Constant DJALe12gedFIT Constant
> nyblom(DJALc11gedFIT)$IndividualStat                DJALe12gedFIT
     [,1]                                                DJALe12gedFIT
ar1     0.02867148 Not Constant DJALc11gedFIT Not Constant
ar2     0.04637314 Not Constant DJALc11gedFIT Not Constant
ma1     0.027838   Not Constant DJALc11gedFIT Not Constant
ma2     0.04127041 Not Constant DJALc11gedFIT Not Constant
omega   28.51735912 Constant     DJALc11gedFIT Not Constant
alpha1  0.17715665 Constant     DJALc11gedFIT Not Constant
beta1   0.07032787 Constant     DJALc11gedFIT Not Constant
eta11   0.29463581 Constant     DJALc11gedFIT Not Constant
eta21   0.09557798 Constant     DJALc11gedFIT Not Constant
shape   0.11171717 Constant     DJALc11gedFIT Not Constant
> nyblom(DJALe11stdFIT)$IndividualStat                DJALc11gedFIT
     [,1]                                                DJALc11gedFIT
ar1     0.02695035 Not Constant DJALe11stdFIT Not Constant
ar2     0.02723004 Not Constant DJALe11stdFIT Not Constant
ma1     0.04606964 Not Constant DJALe11stdFIT Not Constant
ma2     0.04799317 Not Constant DJALe11stdFIT Not Constant
omega   0.20350787 Constant     DJALe11stdFIT Not Constant
alpha1  0.3463483  Constant     DJALe11stdFIT Not Constant
beta1   0.19708437 Constant     DJALe11stdFIT Not Constant
gamma1  0.31530691 Constant     DJALe11stdFIT Not Constant
shape   0.29039676 Constant     DJALe11stdFIT Not Constant
> nyblom(DJALg11stdFIT)$IndividualStat                DJALe11stdFIT
     [,1]                                                DJALe11stdFIT
ar1     0.0366997  Not Constant DJALg11stdFIT Not Constant
ar2     0.04100403 Not Constant DJALg11stdFIT Not Constant
ma1     0.05369613 Constant     DJALg11stdFIT Not Constant
ma2     0.05568497 Constant     DJALg11stdFIT Not Constant
omega   10.60156638 Constant     DJALg11stdFIT Not Constant
alpha1  0.36222465 Constant     DJALg11stdFIT Not Constant
beta1   0.18978105 Constant     DJALg11stdFIT Not Constant
gamma1  0.1283611  Constant     DJALg11stdFIT Not Constant
shape   0.25593175 Constant     DJALg11stdFIT Not Constant
> nyblom(DJALe11norFIT)$IndividualStat                DJALg11stdFIT
     [,1]                                                DJALg11stdFIT
ar1     0.1183729 Constant DJALe11norFIT Constant
ar2     0.1378031 Constant DJALe11norFIT Constant
ma1     0.1204664 Constant DJALe11norFIT Constant
ma2     0.1824763 Constant DJALe11norFIT Constant
omega   0.1666432 Constant DJALe11norFIT Constant
alpha1  0.5328843 Constant DJALe11norFIT Constant
beta1   0.1573624 Constant DJALe11norFIT Constant
gamma1  0.2023553 Constant DJALe11norFIT Constant
> nyblom(DJALe12norFIT)$IndividualStat                DJALe11norFIT
     [,1]                                                DJALe11norFIT
ar1     0.0979764 Constant DJALe12norFIT Constant
ar2     0.15132733 Constant DJALe12norFIT Constant
ma1     0.09722083 Constant DJALe12norFIT Constant
ma2     0.1925769 Constant DJALe12norFIT Constant
omega   0.16018659 Constant DJALe12norFIT Constant
alpha1  0.33889089 Constant DJALe12norFIT Constant
beta1   0.15000322 Constant DJALe12norFIT Constant
beta2   0.15076042 Constant DJALe12norFIT Constant
gamma1  0.15089824 Constant DJALe12norFIT Constant
> nyblom(DJCCe11gedFIT)$IndividualStat                DJALe12norFIT
     [,1]                                                DJALe12norFIT
ar1     0.16641034 Constant DJCCe11gedFIT Constant
ar2     0.07792254 Constant DJCCe11gedFIT Constant
omega   0.48911509 Constant DJCCe11gedFIT Constant
alpha1  0.59384552 Constant DJCCe11gedFIT Constant
beta1   0.46675713 Constant DJCCe11gedFIT Constant
gamma1  0.15646811 Constant DJCCe11gedFIT Constant
shape   0.85722486 Constant DJCCe11gedFIT Constant
> nyblom(DJCCe12gedFIT)$IndividualStat                DJCCe11gedFIT
     [,1]                                                DJCCe11gedFIT
ar1     0.1599215 Constant DJCCe12gedFIT Constant
ar2     0.1039758 Constant DJCCe12gedFIT Constant
omega   0.4291497 Constant DJCCe12gedFIT Constant
```

alpha1		0.4615378	Constant	DJCCe12gedFIT	Constant
beta1		0.4113346	Constant	DJCCe12gedFIT	Constant
beta2		0.4116816	Constant	DJCCe12gedFIT	Constant
gamma1		0.1881829	Constant	DJCCe12gedFIT	Constant
shape		0.8155463	Constant	DJCCe12gedFIT	Constant
>	nyblom(DJCCs11stdFIT)$IndividualStat			DJCCe12gedFIT	
	[,1]			DJCCe12gedFIT	
ar1		0.126761	Constant	DJCCs11stdFIT	Constant
ar2		0.1080923	Constant	DJCCs11stdFIT	Constant
omega		74.5006617	Constant	DJCCs11stdFIT	Constant
alpha1		0.3890609	Constant	DJCCs11stdFIT	Constant
beta1		0.5070165	Constant	DJCCs11stdFIT	Constant
shape		1.0204947	Constant	DJCCs11stdFIT	Constant
>	nyblom(DJCCe11stdFIT)$IndividualStat			DJCCs11stdFIT	
	[,1]			DJCCs11stdFIT	
ar1		0.12322634	Constant	DJCCe11stdFIT	Constant
ar2		0.08022024	Constant	DJCCe11stdFIT	Constant
omega		0.35807809	Constant	DJCCe11stdFIT	Constant
alpha1		0.77233573	Constant	DJCCe11stdFIT	Constant
beta1		0.34198627	Constant	DJCCe11stdFIT	Constant
gamma1		0.17121722	Constant	DJCCe11stdFIT	Constant
shape		0.2429166	Constant	DJCCe11stdFIT	Constant
>	nyblom(DJCFe22gedFIT)$IndividualStat			DJCCe11stdFIT	
	[,1]			DJCCe11stdFIT	
ar1		0.1248784	Constant	DJCFe22gedFIT	Not Constant
ma1		0.23156871	Constant	DJCFe22gedFIT	Not Constant
ma2		0.15990235	Constant	DJCFe22gedFIT	Not Constant
omega		0.0302903	Not Constant	DJCFe22gedFIT	Not Constant
alpha1		0.03624715	Not Constant	DJCFe22gedFIT	Not Constant
alpha2		0.03611484	Not Constant	DJCFe22gedFIT	Not Constant
beta1	NaN			DJCFe22gedFIT	
beta2	NaN			DJCFe22gedFIT	
gamma1		0.05754188	Constant	DJCFe22gedFIT	Not Constant
gamma2		0.05511307	Constant	DJCFe22gedFIT	Not Constant
shape		0.03240339	Not Constant	DJCFe22gedFIT	Not Constant
>	nyblom(DJCFe12gedFIT)$IndividualStat			DJCFe22gedFIT	
	[,1]			DJCFe22gedFIT	
ar1		0.17847579	Constant	DJCFe12gedFIT	Constant
ma1		0.37809661	Constant	DJCFe12gedFIT	Constant
ma2		0.57814052	Constant	DJCFe12gedFIT	Constant
omega		0.22429876	Constant	DJCFe12gedFIT	Constant
alpha1		0.3820787	Constant	DJCFe12gedFIT	Constant
beta1		0.22563371	Constant	DJCFe12gedFIT	Constant
beta2		0.22556957	Constant	DJCFe12gedFIT	Constant
gamma1		0.09502618	Constant	DJCFe12gedFIT	Constant
shape		0.12703124	Constant	DJCFe12gedFIT	Constant
>	nyblom(DJCFg21gedFIT)$IndividualStat			DJCFe12gedFIT	
	[,1]			DJCFe12gedFIT	
ar1		0.2055587	Constant	DJCFg21gedFIT	Constant
ma1		0.4180541	Constant	DJCFg21gedFIT	Constant
ma2		0.34081	Constant	DJCFg21gedFIT	Constant
omega		13.5461277	Constant	DJCFg21gedFIT	Constant
alpha1		0.1969996	Constant	DJCFg21gedFIT	Constant
alpha2		0.1920505	Constant	DJCFg21gedFIT	Constant
beta1		0.2067179	Constant	DJCFg21gedFIT	Constant
gamma1		0.1889843	Constant	DJCFg21gedFIT	Constant
gamma2		0.1887771	Constant	DJCFg21gedFIT	Constant
shape		0.2210646	Constant	DJCFg21gedFIT	Constant
>	nyblom(DJCFe21stdFIT)$IndividualStat			DJCFg21gedFIT	
	[,1]			DJCFg21gedFIT	
ar1		0.02332417	Not Constant	DJCFe21stdFIT	Not Constant
ma1		0.06624288	Constant	DJCFe21stdFIT	Not Constant
ma2		0.02554676	Not Constant	DJCFe21stdFIT	Not Constant
omega		0.02626261	Not Constant	DJCFe21stdFIT	Not Constant
alpha1		0.02629568	Not Constant	DJCFe21stdFIT	Not Constant
alpha2		0.02631625	Not Constant	DJCFe21stdFIT	Not Constant
beta1		45.58934965	Constant	DJCFe21stdFIT	Not Constant
gamma1		0.0249252	Not Constant	DJCFe21stdFIT	Not Constant
gamma2		0.02504066	Not Constant	DJCFe21stdFIT	Not Constant
shape		0.02672221	Not Constant	DJCFe21stdFIT	Not Constant
>	nyblom(DJCFe11norFIT)$IndividualStat			DJCFe21stdFIT	
	[,1]			DJCFe21stdFIT	
ar1		0.20488309	Constant	DJCFe11norFIT	Constant
ma1		0.22682322	Constant	DJCFe11norFIT	Constant
ma2		0.08426055	Constant	DJCFe11norFIT	Constant
omega		0.2755225	Constant	DJCFe11norFIT	Constant
alpha1		0.32095819	Constant	DJCFe11norFIT	Constant
beta1		0.2642877	Constant	DJCFe11norFIT	Constant
gamma1		0.19373524	Constant	DJCFe11norFIT	Constant
>	nyblom(DJCFe22norFIT)$IndividualStat			DJCFe11norFIT	
	[,1]			DJCFe11norFIT	
ar1		0.15035328	Constant	DJCFe22norFIT	Not Constant
ma1		0.23864622	Constant	DJCFe22norFIT	Not Constant
ma2		0.06913471	Constant	DJCFe22norFIT	Not Constant
omega		0.03807462	Not Constant	DJCFe22norFIT	Not Constant
alpha1		0.05334158	Constant	DJCFe22norFIT	Not Constant
alpha2		0.0533007	Constant	DJCFe22norFIT	Not Constant
beta1		1.85455898	Constant	DJCFe22norFIT	Not Constant
beta2		0.03755045	Not Constant	DJCFe22norFIT	Not Constant
gamma1		0.04175337	Not Constant	DJCFe22norFIT	Not Constant
gamma2		0.04179468	Not Constant	DJCFe22norFIT	Not Constant
>	nyblom(DJCFe12norFIT)$IndividualStat			DJCFe22norFIT	
	[,1]			DJCFe22norFIT	
ar1		0.2078419	Constant	DJCFe12norFIT	Constant
ma1		0.2311738	Constant	DJCFe12norFIT	Constant
ma2		0.1134019	Constant	DJCFe12norFIT	Constant
omega		0.2647633	Constant	DJCFe12norFIT	Constant
alpha1		0.2460914	Constant	DJCFe12norFIT	Constant
beta1		0.2567107	Constant	DJCFe12norFIT	Constant
beta2		0.2561101	Constant	DJCFe12norFIT	Constant
gamma1		0.1115256	Constant	DJCFe12norFIT	Constant
>	nyblom(DJCFe21norFIT)$IndividualStat			DJCFe12norFIT	
	[,1]			DJCFe12norFIT	
ar1		0.05407287	Constant	DJCFe21norFIT	Not Constant
ma1		0.06743145	Constant	DJCFe21norFIT	Not Constant
ma2		0.05334747	Constant	DJCFe21norFIT	Not Constant
omega		0.04927027	Not Constant	DJCFe21norFIT	Not Constant
alpha1		0.04968724	Not Constant	DJCFe21norFIT	Not Constant
alpha2		0.04964528	Not Constant	DJCFe21norFIT	Not Constant
beta1		5.12523888	Constant	DJCFe21norFIT	Not Constant
gamma1		0.04900274	Not Constant	DJCFe21norFIT	Not Constant
gamma2		0.0490081	Not Constant	DJCFe21norFIT	Not Constant
>	nyblom(DJCFg22norFIT)$IndividualStat			DJCFe21norFIT	
	[,1]			DJCFe21norFIT	
ar1		0.5494642	Constant	DJCFg22norFIT	Constant
ma1		0.5590862	Constant	DJCFg22norFIT	Constant
ma2		0.1804701	Constant	DJCFg22norFIT	Constant
omega		4.0497545	Constant	DJCFg22norFIT	Constant
alpha1		0.6674088	Constant	DJCFg22norFIT	Constant
alpha2		0.6600183	Constant	DJCFg22norFIT	Constant
beta1		0.6607562	Constant	DJCFg22norFIT	Constant
beta2		0.5529714	Constant	DJCFg22norFIT	Constant
gamma1		0.1196954	Constant	DJCFg22norFIT	Constant
gamma2		0.5184998	Constant	DJCFg22norFIT	Constant
>	nyblom(DJCFg21norFIT)$IndividualStat			DJCFg22norFIT	
	[,1]			DJCFg22norFIT	
ar1		0.21863837	Constant	DJCFg21norFIT	Constant
ma1		0.25667565	Constant	DJCFg21norFIT	Constant
ma2		0.09980091	Constant	DJCFg21norFIT	Constant
omega		1.38226235	Constant	DJCFg21norFIT	Constant
alpha1		0.06918433	Constant	DJCFg21norFIT	Constant
alpha2		0.06964039	Constant	DJCFg21norFIT	Constant
beta1		0.06673405	Constant	DJCFg21norFIT	Constant
gamma1		0.06899857	Constant	DJCFg21norFIT	Constant
gamma2		0.06894486	Constant	DJCFg21norFIT	Constant
>	nyblom(DJCPe22stdFIT)$IndividualStat			DJCFg21norFIT	
	[,1]			DJCFg21norFIT	
ar1		0.04445351	Not Constant	DJCPe22stdFIT	Not Constant
ar2		0.03403258	Not Constant	DJCPe22stdFIT	Not Constant
omega		0.03832035	Not Constant	DJCPe22stdFIT	Not Constant
alpha1		0.03937371	Not Constant	DJCPe22stdFIT	Not Constant
alpha2		0.03921158	Not Constant	DJCPe22stdFIT	Not Constant
beta1		52.82089959	Constant	DJCPe22stdFIT	Not Constant
beta2		0.0384079	Not Constant	DJCPe22stdFIT	Not Constant
gamma1		0.03906239	Not Constant	DJCPe22stdFIT	Not Constant
gamma2		0.03912169	Not Constant	DJCPe22stdFIT	Not Constant
shape		0.03920366	Not Constant	DJCPe22stdFIT	Not Constant
>	nyblom(DJCPe21stdFIT)$IndividualStat			DJCPe22stdFIT	
	[,1]			DJCPe22stdFIT	
ar1		0.06040027	Constant	DJCPe21stdFIT	Not Constant
ar2		0.05504047	Constant	DJCPe21stdFIT	Not Constant
omega		0.047386	Not Constant	DJCPe21stdFIT	Not Constant
alpha1		0.04984611	Not Constant	DJCPe21stdFIT	Not Constant
alpha2		0.04922744	Not Constant	DJCPe21stdFIT	Not Constant
beta1		23.31032008	Constant	DJCPe21stdFIT	Not Constant
gamma1		0.04918036	Not Constant	DJCPe21stdFIT	Not Constant
gamma2		0.04942413	Not Constant	DJCPe21stdFIT	Not Constant
shape		0.05070274	Constant	DJCPe21stdFIT	Not Constant
>	nyblom(DJCTg21gedFIT)$IndividualStat			DJCPe21stdFIT	
	[,1]			DJCPe21stdFIT	
ar1		0.0577842	Constant	DJCTg21gedFIT	Constant
ma1		0.05636782	Constant	DJCTg21gedFIT	Constant
omega		121.6459584	Constant	DJCTg21gedFIT	Constant
alpha1		0.17482866	Constant	DJCTg21gedFIT	Constant
alpha2		0.18798142	Constant	DJCTg21gedFIT	Constant
beta1		0.17227978	Constant	DJCTg21gedFIT	Constant
gamma1		0.1486612	Constant	DJCTg21gedFIT	Constant
gamma2		0.14770062	Constant	DJCTg21gedFIT	Constant

shape		0.08878858	Constant	DJCTg21gedFIT	Constant
>	nyblom(DJCTs12stdFIT)$IndividualStat			DJCTg21gedFIT	
	[,1]			DJCTg21gedFIT	
ar1		0.14592615	Constant	DJCTs12stdFIT	Constant
ma1		0.13738558	Constant	DJCTs12stdFIT	Constant
omega		0.70970129	Constant	DJCTs12stdFIT	Constant
alpha1		0.07079976	Constant	DJCTs12stdFIT	Constant
beta1		0.07682107	Constant	DJCTs12stdFIT	Constant
beta2		0.07669833	Constant	DJCTs12stdFIT	Constant
shape		0.0797695	Constant	DJCTs12stdFIT	Constant
>	nyblom(DJCTe12stdFIT)$IndividualStat			DJCTs12stdFIT	
	[,1]			DJCTs12stdFIT	
ar1		0.15190989	Constant	DJCTe12stdFIT	Constant
ma1		0.08923944	Constant	DJCTe12stdFIT	Constant
omega		0.09756656	Constant	DJCTe12stdFIT	Constant
alpha1		0.43090739	Constant	DJCTe12stdFIT	Constant
beta1		0.19397697	Constant	DJCTe12stdFIT	Constant
beta2		0.0981483	Constant	DJCTe12stdFIT	Constant
gamma1		0.37695123	Constant	DJCTe12stdFIT	Constant
shape		0.14908566	Constant	DJCTe12stdFIT	Constant
>	nyblom(DJCTe11norFIT)$IndividualStat			DJCTe12stdFIT	
	[,1]			DJCTe12stdFIT	
ar1		0.25318821	Constant	DJCTe11norFIT	Constant
ma1		0.26480148	Constant	DJCTe11norFIT	Constant
omega		0.08178916	Constant	DJCTe11norFIT	Constant
alpha1		0.27924069	Constant	DJCTe11norFIT	Constant
beta1		0.08045372	Constant	DJCTe11norFIT	Constant
gamma1		0.09940376	Constant	DJCTe11norFIT	Constant
>	nyblom(DJCTe12norFIT)$IndividualStat			DJCTe11norFIT	
	[,1]			DJCTe11norFIT	
ar1		0.24206607	Constant	DJCTe12norFIT	Constant
ma1		0.25577787	Constant	DJCTe12norFIT	Constant
omega		0.07633518	Constant	DJCTe12norFIT	Constant
alpha1		0.2244374	Constant	DJCTe12norFIT	Constant
beta1		0.07504902	Constant	DJCTe12norFIT	Constant
beta2		0.07505638	Constant	DJCTe12norFIT	Constant
gamma1		0.07651474	Constant	DJCTe12norFIT	Constant
>	nyblom(DJCTg12norFIT)$IndividualStat			DJCTe12norFIT	
	[,1]			DJCTe12norFIT	
ar1		0.2039466	Constant	DJCTg12norFIT	Constant
ma1		0.2268555	Constant	DJCTg12norFIT	Constant
omega		2.2659024	Constant	DJCTg12norFIT	Constant
alpha1		0.1352115	Constant	DJCTg12norFIT	Constant
beta1		0.1310659	Constant	DJCTg12norFIT	Constant
beta2		0.1309752	Constant	DJCTg12norFIT	Constant
gamma1		0.1024435	Constant	DJCTg12norFIT	Constant
>	nyblom(DJNIs11stdFIT)$IndividualStat			DJCTg12norFIT	
	[,1]			DJCTg12norFIT	
ma1		0.4732366	Constant	DJNIs11stdFIT	Constant
omega		11.574656	Constant	DJNIs11stdFIT	Constant
alpha1		0.1416371	Constant	DJNIs11stdFIT	Constant
beta1		0.1318315	Constant	DJNIs11stdFIT	Constant
shape		0.1164621	Constant	DJNIs11stdFIT	Constant
>	nyblom(DJNIe21stdFIT)$IndividualStat			DJNIs11stdFIT	
	[,1]			DJNIs11stdFIT	
ma1		0.05000186	Constant	DJNIe21stdFIT	Not Constant
omega		0.0192091	Not Constant	DJNIe21stdFIT	Not Constant
alpha1		0.04316877	Not Constant	DJNIe21stdFIT	Not Constant
alpha2		0.04187759	Not Constant	DJNIe21stdFIT	Not Constant
beta1		7.49941304	Constant	DJNIe21stdFIT	Not Constant
gamma1		0.0181573	Not Constant	DJNIe21stdFIT	Not Constant
gamma2		0.01818716	Not Constant	DJNIe21stdFIT	Not Constant
shape		0.01929052	Not Constant	DJNIe21stdFIT	Not Constant
>	nyblom(DJNIe11norFIT)$IndividualStat			DJNIe21stdFIT	
	[,1]			DJNIe21stdFIT	
ma1		0.3818653	Constant	DJNIe11norFIT	Constant
omega		0.1040308	Constant	DJNIe11norFIT	Constant
alpha1		0.116228	Constant	DJNIe11norFIT	Constant
beta1		0.107523	Constant	DJNIe11norFIT	Constant
gamma1		0.3715289	Constant	DJNIe11norFIT	Constant
>	nyblom(DJNIe22norFIT)$IndividualStat			DJNIe11norFIT	
	[,1]			DJNIe11norFIT	
ma1		0.4116928	Constant	DJNIe22norFIT	Constant
omega		0.1245917	Constant	DJNIe22norFIT	Constant
alpha1		0.1621605	Constant	DJNIe22norFIT	Constant
alpha2		0.1589144	Constant	DJNIe22norFIT	Constant
beta1		0.1283625	Constant	DJNIe22norFIT	Constant
beta2		0.1283144	Constant	DJNIe22norFIT	Constant
gamma1		0.4272444	Constant	DJNIe22norFIT	Constant
gamma2		0.4325107	Constant	DJNIe22norFIT	Constant
>	nyblom(DJSIg12gedFIT)$IndividualStat			DJNIe22norFIT	
	[,1]			DJNIe22norFIT	
ma1		0.50939466	Constant	DJSIg12gedFIT	Constant
omega		0.60138198	Constant	DJSIg12gedFIT	Constant
alpha1		0.19488161	Constant	DJSIg12gedFIT	Constant
beta1		0.09263625	Constant	DJSIg12gedFIT	Constant
beta2		0.09157959	Constant	DJSIg12gedFIT	Constant
gamma1		0.28695964	Constant	DJSIg12gedFIT	Constant
shape		0.24062206	Constant	DJSIg12gedFIT	Constant
>	nyblom(DJSIs11stdFIT)$IndividualStat			DJSIg12gedFIT	
	[,1]			DJSIg12gedFIT	
ma1		0.45598685	Constant	DJSIs11stdFIT	Constant
omega		0.576499	Constant	DJSIs11stdFIT	Constant
alpha1		0.23575398	Constant	DJSIs11stdFIT	Constant
beta1		0.08901718	Constant	DJSIs11stdFIT	Constant
shape		0.07531651	Constant	DJSIs11stdFIT	Constant
>	nyblom(DJSIg11stdFIT)$IndividualStat			DJSIs11stdFIT	
	[,1]			DJSIs11stdFIT	
ma1		0.44830967	Constant	DJSIg11stdFIT	Constant
omega		3.03216626	Constant	DJSIg11stdFIT	Constant
alpha1		0.2898208	Constant	DJSIg11stdFIT	Constant
beta1		0.08776113	Constant	DJSIg11stdFIT	Constant
gamma1		0.31022239	Constant	DJSIg11stdFIT	Constant
shape		0.06815787	Constant	DJSIg11stdFIT	Constant
>	nyblom(DJSIc11stdFIT)$IndividualStat			DJSIg11stdFIT	
	[,1]			DJSIg11stdFIT	
ma1		0.24345096	Constant	DJSIc11stdFIT	Constant
omega		6.21368784	Constant	DJSIc11stdFIT	Constant
alpha1		0.15002616	Constant	DJSIc11stdFIT	Constant
beta1		0.98631851	Constant	DJSIc11stdFIT	Constant
eta11		0.09304577	Constant	DJSIc11stdFIT	Constant
eta21		0.15498995	Constant	DJSIc11stdFIT	Constant
shape		0.15761825	Constant	DJSIc11stdFIT	Constant
>	nyblom(DJSUs11stdFIT)$IndividualStat			DJSIc11stdFIT	
	[,1]			DJSIc11stdFIT	
ma1		0.14231285	Constant	DJSUs11stdFIT	Constant
omega		14.77046019	Constant	DJSUs11stdFIT	Constant
alpha1		0.12505162	Constant	DJSUs11stdFIT	Constant
beta1		0.11545764	Constant	DJSUs11stdFIT	Constant
shape		0.08481266	Constant	DJSUs11stdFIT	Constant
>	nyblom(DJSUe22stdFIT)$IndividualStat			DJSUs11stdFIT	
	[,1]			DJSUs11stdFIT	
ma1		0.03283178	Not Constant	DJSUe22stdFIT	Not Constant
omega		0.03285068	Not Constant	DJSUe22stdFIT	Not Constant
alpha1		0.0323172	Not Constant	DJSUe22stdFIT	Not Constant
alpha2		0.03223066	Not Constant	DJSUe22stdFIT	Not Constant
beta1		53.01150687	Constant	DJSUe22stdFIT	Not Constant
beta2		0.03282837	Not Constant	DJSUe22stdFIT	Not Constant
gamma1		0.03851282	Not Constant	DJSUe22stdFIT	Not Constant
gamma2		0.03943518	Not Constant	DJSUe22stdFIT	Not Constant
shape		0.03321488	Not Constant	DJSUe22stdFIT	Not Constant
>	nyblom(DJSUe21stdFIT)$IndividualStat			DJSUe22stdFIT	
	[,1]			DJSUe22stdFIT	
ma1		0.03547771	Not Constant	DJSUe21stdFIT	Not Constant
omega		0.03349415	Not Constant	DJSUe21stdFIT	Not Constant
alpha1		0.03549591	Not Constant	DJSUe21stdFIT	Not Constant
alpha2		0.03557937	Not Constant	DJSUe21stdFIT	Not Constant
beta1		59.67968803	Constant	DJSUe21stdFIT	Not Constant
gamma1		0.23923366	Constant	DJSUe21stdFIT	Not Constant
gamma2		0.01912411	Not Constant	DJSUe21stdFIT	Not Constant
shape		0.03445552	Not Constant	DJSUe21stdFIT	Not Constant
>	nyblom(DJSUg22stdFIT)$IndividualStat			DJSUe21stdFIT	
	[,1]			DJSUe21stdFIT	
ma1		0.22838883	Constant	DJSUg22stdFIT	Not Constant
omega		46.87014936	Constant	DJSUg22stdFIT	Not Constant
alpha1		0.04098515	Not Constant	DJSUg22stdFIT	Not Constant
alpha2		0.03872704	Not Constant	DJSUg22stdFIT	Not Constant
beta1		0.04480232	Not Constant	DJSUg22stdFIT	Not Constant
beta2		0.04484335	Not Constant	DJSUg22stdFIT	Not Constant
gamma1		0.03921659	Not Constant	DJSUg22stdFIT	Not Constant
gamma2		0.03911208	Not Constant	DJSUg22stdFIT	Not Constant
shape		0.05395308	Constant	DJSUg22stdFIT	Not Constant
>	nyblom(DJSUg21stdFIT)$IndividualStat			DJSUg22stdFIT	
	[,1]			DJSUg22stdFIT	
ma1		0.22210014	Constant	DJSUg21stdFIT	Not Constant
omega		19.1802326	Constant	DJSUg21stdFIT	Not Constant
alpha1		0.04291875	Not Constant	DJSUg21stdFIT	Not Constant
alpha2		0.04073994	Not Constant	DJSUg21stdFIT	Not Constant
beta1		0.04696868	Not Constant	DJSUg21stdFIT	Not Constant
gamma1		0.04045862	Not Constant	DJSUg21stdFIT	Not Constant
gamma2		0.04040866	Not Constant	DJSUg21stdFIT	Not Constant
shape		0.05534725	Constant	DJSUg21stdFIT	Not Constant
>	nyblom(DJSUs12norFIT)$IndividualStat			DJSUg21stdFIT	
	[,1]			DJSUg21stdFIT	
ma1		0.1340484	Constant	DJSUs12norFIT	Constant
omega		25.40649261	Constant	DJSUs12norFIT	Constant
alpha1		0.08002313	Constant	DJSUs12norFIT	Constant
beta1		0.1068608	Constant	DJSUs12norFIT	Constant

beta2	0.10700545	Constant	DJSUs12norFIT	Constant
> nyblom(DJWEe11gedFIT)$IndividualStat			DJSUs12norFIT	
[,1]			DJSUs12norFIT	
ar1	0.05811806	Constant	DJWEe11gedFIT	Constant
omega	0.0866655	Constant	DJWEe11gedFIT	Constant
alpha1	0.07971139	Constant	DJWEe11gedFIT	Constant
beta1	0.0896211	Constant	DJWEe11gedFIT	Constant
gamma1	0.33461775	Constant	DJWEe11gedFIT	Constant
shape	0.36932032	Constant	DJWEe11gedFIT	Constant
> nyblom(DJWEe12gedFIT)$IndividualStat			DJWEe11gedFIT	
[,1]			DJWEe11gedFIT	
ar1	0.06084539	Constant	DJWEe12gedFIT	Constant
omega	0.06522726	Constant	DJWEe12gedFIT	Constant
alpha1	0.06469367	Constant	DJWEe12gedFIT	Constant
beta1	0.06520588	Constant	DJWEe12gedFIT	Constant
beta2	0.06546262	Constant	DJWEe12gedFIT	Constant
gamma1	0.21868344	Constant	DJWEe12gedFIT	Constant
shape	0.3703635	Constant	DJWEe12gedFIT	Constant
> nyblom(DJWEe11stdFIT)$IndividualStat			DJWEe12gedFIT	
[,1]			DJWEe12gedFIT	
ar1	0.04077439	Not Constant	DJWEe11stdFIT	Not Constant
omega	0.10653322	Constant	DJWEe11stdFIT	Not Constant
alpha1	0.05750438	Constant	DJWEe11stdFIT	Not Constant
beta1	0.11275062	Constant	DJWEe11stdFIT	Not Constant
gamma1	0.26427252	Constant	DJWEe11stdFIT	Not Constant
shape	0.13674982	Constant	DJWEe11stdFIT	Not Constant
> nyblom(DJWEe12stdFIT)$IndividualStat			DJWEe11stdFIT	
[,1]			DJWEe11stdFIT	
ar1	0.04529981	Not Constant	DJWEe12stdFIT	Not Constant
omega	0.05987825	Constant	DJWEe12stdFIT	Not Constant
alpha1	0.07020854	Constant	DJWEe12stdFIT	Not Constant
beta1	0.06040723	Constant	DJWEe12stdFIT	Not Constant
beta2	0.06101991	Constant	DJWEe12stdFIT	Not Constant
gamma1	0.18615113	Constant	DJWEe12stdFIT	Not Constant
shape	0.13208175	Constant	DJWEe12stdFIT	Not Constant
> nyblom(DJWEe11norFIT)$IndividualStat			DJWEe12stdFIT	
[,1]			DJWEe12stdFIT	
ar1	0.05916193	Constant	DJWEe11norFIT	Constant
omega	0.0947897	Constant	DJWEe11norFIT	Constant
alpha1	0.12235809	Constant	DJWEe11norFIT	Constant
beta1	0.09875643	Constant	DJWEe11norFIT	Constant
gamma1	0.14936688	Constant	DJWEe11norFIT	Constant
> nyblom(DJWEe12norFIT)$IndividualStat			DJWEe11norFIT	
[,1]			DJWEe11norFIT	
ar1	0.05245377	Constant	DJWEe12norFIT	Constant
omega	0.08376993	Constant	DJWEe12norFIT	Constant
alpha1	0.08187075	Constant	DJWEe12norFIT	Constant
beta1	0.08649016	Constant	DJWEe12norFIT	Constant
beta2	0.08671304	Constant	DJWEe12norFIT	Constant
gamma1	0.13639485	Constant	DJWEe12norFIT	Constant
> nyblom(DJWEg11norFIT)$IndividualStat			DJWEe12norFIT	
[,1]			DJWEe12norFIT	
ar1	0.06736393	Constant	DJWEg11norFIT	Constant
omega	0.57245427	Constant	DJWEg11norFIT	Constant
alpha1	0.09072845	Constant	DJWEg11norFIT	Constant
beta1	0.10410009	Constant	DJWEg11norFIT	Constant
gamma1	0.13370323	Constant	DJWEg11norFIT	Constant
> nyblom(DJZle22stdFIT)$IndividualStat			DJWEg11norFIT	
[,1]			DJWEg11norFIT	
omega	0.2027117	Constant	DJZle22stdFIT	Constant
alpha1	0.222103	Constant	DJZle22stdFIT	Constant
alpha2	0.2219567	Constant	DJZle22stdFIT	Constant
beta1	5.2545046	Constant	DJZle22stdFIT	Constant
beta2	0.2031554	Constant	DJZle22stdFIT	Constant
gamma1	0.2260333	Constant	DJZle22stdFIT	Constant
gamma2	0.2260809	Constant	DJZle22stdFIT	Constant
shape	0.2089192	Constant	DJZle22stdFIT	Constant
> nyblom(DJZle21stdFIT)$IndividualStat			DJZle22stdFIT	
[,1]			DJZle22stdFIT	
omega	0.1325432	Constant	DJZle21stdFIT	Constant
alpha1	0.1406418	Constant	DJZle21stdFIT	Constant
alpha2	0.1403681	Constant	DJZle21stdFIT	Constant
beta1	11.6332638	Constant	DJZle21stdFIT	Constant
gamma1	0.1417297	Constant	DJZle21stdFIT	Constant
gamma2	0.1417764	Constant	DJZle21stdFIT	Constant
shape	0.1320765	Constant	DJZle21stdFIT	Constant
> nyblom(DJZls11norFIT)$IndividualStat			DJZle21stdFIT	
[,1]			DJZle21stdFIT	
omega	41.9538553	Constant	DJZls11norFIT	Constant
alpha1	0.1049958	Constant	DJZls11norFIT	Constant
beta1	0.1354257	Constant	DJZls11norFIT	Constant
> nyblom(DJZle11norFIT)$IndividualStat			DJZls11norFIT	
[,1]			DJZls11norFIT	
omega	0.09702568	Constant	DJZle11norFIT	Constant
alpha1	0.07713594	Constant	DJZle11norFIT	Constant
beta1	0.10393336	Constant	DJZle11norFIT	Constant
gamma1	0.09089054	Constant	DJZle11norFIT	Constant
> nyblom(DJZle12norFIT)$IndividualStat			DJZle11norFIT	
[,1]			DJZle11norFIT	
omega	0.1001198	Constant	DJZle12norFIT	Constant
alpha1	0.0773926	Constant	DJZle12norFIT	Constant
beta1	0.1072312	Constant	DJZle12norFIT	Constant
beta2	0.107444	Constant	DJZle12norFIT	Constant
gamma1	0.104966	Constant	DJZle12norFIT	Constant
> nyblom(DJZlg12norFIT)$IndividualStat			DJZle12norFIT	
[,1]			DJZle12norFIT	
omega	43.54607667	Constant	DJZlg12norFIT	Constant
alpha1	0.06354901	Constant	DJZlg12norFIT	Constant
beta1	0.08899094	Constant	DJZlg12norFIT	Constant
beta2	0.08896244	Constant	DJZlg12norFIT	Constant
gamma1	0.08821027	Constant	DJZlg12norFIT	Constant
> nyblom(DJLHe11gedFIT)$IndividualStat			DJZlg12norFIT	
[,1]			DJZlg12norFIT	
ar1	0.08145807	Constant	DJLHe11gedFIT	Constant
ma1	0.09176741	Constant	DJLHe11gedFIT	Constant
omega	0.41497439	Constant	DJLHe11gedFIT	Constant
alpha1	0.54856584	Constant	DJLHe11gedFIT	Constant
beta1	0.39395428	Constant	DJLHe11gedFIT	Constant
gamma1	0.88684155	Constant	DJLHe11gedFIT	Constant
shape	1.36368729	Constant	DJLHe11gedFIT	Constant
> nyblom(DJLHe12gedFIT)$IndividualStat			DJLHe11gedFIT	
[,1]			DJLHe11gedFIT	
ar1	0.06718637	Constant	DJLHe12gedFIT	Constant
ma1	0.09533917	Constant	DJLHe12gedFIT	Constant
omega	0.40916653	Constant	DJLHe12gedFIT	Constant
alpha1	0.5022175	Constant	DJLHe12gedFIT	Constant
beta1	0.39531758	Constant	DJLHe12gedFIT	Constant
beta2	0.39478816	Constant	DJLHe12gedFIT	Constant
gamma1	0.45741464	Constant	DJLHe12gedFIT	Constant
shape	1.4029138	Constant	DJLHe12gedFIT	Constant
> nyblom(DJLHe11stdFIT)$IndividualStat			DJLHe12gedFIT	
[,1]			DJLHe12gedFIT	
ar1	0.06741883	Constant	DJLHe11stdFIT	Constant
ma1	0.07610892	Constant	DJLHe11stdFIT	Constant
omega	0.3331851	Constant	DJLHe11stdFIT	Constant
alpha1	0.53511248	Constant	DJLHe11stdFIT	Constant
beta1	0.31288924	Constant	DJLHe11stdFIT	Constant
gamma1	0.40280181	Constant	DJLHe11stdFIT	Constant
shape	0.58914663	Constant	DJLHe11stdFIT	Constant
> nyblom(DJLHe12stdFIT)$IndividualStat			DJLHe11stdFIT	
[,1]			DJLHe11stdFIT	
ar1	0.05896665	Constant	DJLHe12stdFIT	Constant
ma1	0.08858464	Constant	DJLHe12stdFIT	Constant
omega	0.36773417	Constant	DJLHe12stdFIT	Constant
alpha1	0.4386897	Constant	DJLHe12stdFIT	Constant
beta1	0.35250594	Constant	DJLHe12stdFIT	Constant
beta2	0.35327356	Constant	DJLHe12stdFIT	Constant
gamma1	0.22083837	Constant	DJLHe12stdFIT	Constant
shape	0.62272561	Constant	DJLHe12stdFIT	Constant
> nyblom(DJLHe11norFIT)$IndividualStat			DJLHe12stdFIT	
[,1]			DJLHe12stdFIT	
ar1	0.1704241	Constant	DJLHe11norFIT	Constant
ma1	0.1115248	Constant	DJLHe11norFIT	Constant
omega	0.2119191	Constant	DJLHe11norFIT	Constant
alpha1	0.553389	Constant	DJLHe11norFIT	Constant
beta1	0.1954876	Constant	DJLHe11norFIT	Constant
gamma1	0.8546978	Constant	DJLHe11norFIT	Constant
> nyblom(DJLHe12norFIT)$IndividualStat			DJLHe11norFIT	
[,1]			DJLHe11norFIT	
ar1	0.1517243	Constant	DJLHe12norFIT	Constant
ma1	0.1061141	Constant	DJLHe12norFIT	Constant
omega	0.2115151	Constant	DJLHe12norFIT	Constant
alpha1	0.5143937	Constant	DJLHe12norFIT	Constant
beta1	0.1992941	Constant	DJLHe12norFIT	Constant
beta2	0.198523	Constant	DJLHe12norFIT	Constant
gamma1	0.6091814	Constant	DJLHe12norFIT	Constant
> nyblom(DJLHe21norFIT)$IndividualStat			DJLHe12norFIT	
[,1]			DJLHe12norFIT	
ar1	0.2150039	Constant	DJLHe21norFIT	Constant
ma1	0.1381301	Constant	DJLHe21norFIT	Constant
omega	0.1536472	Constant	DJLHe21norFIT	Constant
alpha1	0.6071307	Constant	DJLHe21norFIT	Constant
alpha2	0.5811574	Constant	DJLHe21norFIT	Constant
beta1	0.1409367	Constant	DJLHe21norFIT	Constant
gamma1	0.7243733	Constant	DJLHe21norFIT	Constant
gamma2	0.8938988	Constant	DJLHe21norFIT	Constant
> nyblom(DJNGe21stdFIT)$IndividualStat			DJLHe21norFIT	
[,1]			DJLHe21norFIT	

ma1		0.03951331	Not Constant	DJNGe21stdFIT	Not Constant
ma2		0.09988017	Constant	DJNGe21stdFIT	Not Constant
omega		0.32631936	Constant	DJNGe21stdFIT	Not Constant
alpha1		0.05918287	Constant	DJNGe21stdFIT	Not Constant
alpha2		0.02834473	Not Constant	DJNGe21stdFIT	Not Constant
beta1		0.35077546	Constant	DJNGe21stdFIT	Not Constant
gamma1		0.20997387	Constant	DJNGe21stdFIT	Not Constant
gamma2		0.19394487	Constant	DJNGe21stdFIT	Not Constant
shape		0.25711543	Constant	DJNGe21stdFIT	Not Constant
>	nyblom(DJNGe12norFIT)$IndividualStat			DJNGe21stdFIT	
	[,1]			DJNGe21stdFIT	
ma1		0.09634851	Constant	DJNGe12norFIT	Constant
ma2		0.15924967	Constant	DJNGe12norFIT	Constant
omega		0.34370922	Constant	DJNGe12norFIT	Constant
alpha1		0.52294641	Constant	DJNGe12norFIT	Constant
beta1		0.39299325	Constant	DJNGe12norFIT	Constant
beta2		0.39379197	Constant	DJNGe12norFIT	Constant
gamma1		0.20365803	Constant	DJNGe12norFIT	Constant
>	nyblom(DJPEe11gedFIT)$IndividualStat			DJNGe12norFIT	
	[,1]			DJNGe12norFIT	
omega		0.53937143	Constant	DJPEe11gedFIT	Constant
alpha1		0.16105927	Constant	DJPEe11gedFIT	Constant
beta1		0.61291838	Constant	DJPEe11gedFIT	Constant
gamma1		0.54945295	Constant	DJPEe11gedFIT	Constant
shape		0.07300723	Constant	DJPEe11gedFIT	Constant
>	nyblom(DJPEe12gedFIT)$IndividualStat			DJPEe11gedFIT	
	[,1]			DJPEe11gedFIT	
omega		0.35051807	Constant	DJPEe12gedFIT	Constant
alpha1		0.09010015	Constant	DJPEe12gedFIT	Constant
beta1		0.39847259	Constant	DJPEe12gedFIT	Constant
beta2		0.39739955	Constant	DJPEe12gedFIT	Constant
gamma1		0.54876096	Constant	DJPEe12gedFIT	Constant
shape		0.0773852	Constant	DJPEe12gedFIT	Constant
>	nyblom(DJPEe11stdFIT)$IndividualStat			DJPEe12gedFIT	
	[,1]			DJPEe12gedFIT	
omega		0.31024736	Constant	DJPEe11stdFIT	Constant
alpha1		0.28019837	Constant	DJPEe11stdFIT	Constant
beta1		0.3731434	Constant	DJPEe11stdFIT	Constant
gamma1		0.17584385	Constant	DJPEe11stdFIT	Constant
shape		0.09772723	Constant	DJPEe11stdFIT	Constant
>	nyblom(DJPEe12stdFIT)$IndividualStat			DJPEe11stdFIT	
	[,1]			DJPEe11stdFIT	
omega		0.20255241	Constant	DJPEe12stdFIT	Constant
alpha1		0.18750759	Constant	DJPEe12stdFIT	Constant
beta1		0.2441889	Constant	DJPEe12stdFIT	Constant
beta2		0.2437975	Constant	DJPEe12stdFIT	Constant
gamma1		0.20816385	Constant	DJPEe12stdFIT	Constant
shape		0.09076963	Constant	DJPEe12stdFIT	Constant
>	nyblom(DJPEe11norFIT)$IndividualStat			DJPEe12stdFIT	
	[,1]			DJPEe12stdFIT	
omega		0.65621167	Constant	DJPEe11norFIT	Constant
alpha1		0.09844293	Constant	DJPEe11norFIT	Constant
beta1		0.72871126	Constant	DJPEe11norFIT	Constant
gamma1		1.20771396	Constant	DJPEe11norFIT	Constant
>	nyblom(DJPEe12norFIT)$IndividualStat			DJPEe11norFIT	
	[,1]			DJPEe11norFIT	
omega		0.47043382	Constant	DJPEe12norFIT	Constant
alpha1		0.07233989	Constant	DJPEe12norFIT	Constant
beta1		0.5199657	Constant	DJPEe12norFIT	Constant
beta2		0.51880177	Constant	DJPEe12norFIT	Constant
gamma1		0.90909197	Constant	DJPEe12norFIT	Constant
>	nyblom(DJSOe21gedFIT)$IndividualStat			DJPEe12norFIT	
	[,1]			DJPEe12norFIT	
ma1		0.08913712	Constant	DJSOe21gedFIT	Not Constant
ma2		0.19886179	Constant	DJSOe21gedFIT	Not Constant
omega		0.09432676	Constant	DJSOe21gedFIT	Not Constant
alpha1		0.15615261	Constant	DJSOe21gedFIT	Not Constant
alpha2		0.13876721	Constant	DJSOe21gedFIT	Not Constant
beta1		0.0948479	Constant	DJSOe21gedFIT	Not Constant
gamma1		0.03130117	Not Constant	DJSOe21gedFIT	Not Constant
gamma2		0.02761486	Not Constant	DJSOe21gedFIT	Not Constant
shape		0.8096308	Constant	DJSOe21gedFIT	Not Constant
>	nyblom(DJSOe21stdFIT)$IndividualStat			DJSOe21gedFIT	
	[,1]			DJSOe21gedFIT	
ma1		0.12503976	Constant	DJSOe21stdFIT	Not Constant
ma2		0.27280539	Constant	DJSOe21stdFIT	Not Constant
omega		0.30883823	Constant	DJSOe21stdFIT	Not Constant
alpha1		0.14017515	Constant	DJSOe21stdFIT	Not Constant
alpha2		0.13225873	Constant	DJSOe21stdFIT	Not Constant
beta1		0.30782001	Constant	DJSOe21stdFIT	Not Constant
gamma1		0.03565579	Not Constant	DJSOe21stdFIT	Not Constant
gamma2		0.04062075	Not Constant	DJSOe21stdFIT	Not Constant
shape		0.85844226	Constant	DJSOe21stdFIT	Not Constant
>	nyblom(DJSOe11norFIT)$IndividualStat			DJSOe21stdFIT	
	[,1]			DJSOe21stdFIT	
ma1		0.17651418	Constant	DJSOe11norFIT	Constant
ma2		0.08693359	Constant	DJSOe11norFIT	Constant
omega		0.06148314	Constant	DJSOe11norFIT	Constant
alpha1		0.13896004	Constant	DJSOe11norFIT	Constant
beta1		0.06025787	Constant	DJSOe11norFIT	Constant
gamma1		0.10401517	Constant	DJSOe11norFIT	Constant
>	nyblom(DJSOe22norFIT)$IndividualStat			DJSOe11norFIT	
	[,1]			DJSOe11norFIT	
ma1		0.17801271	Constant	DJSOe22norFIT	Not Constant
ma2		0.19391605	Constant	DJSOe22norFIT	Not Constant
omega		0.08777258	Constant	DJSOe22norFIT	Not Constant
alpha1		0.18836268	Constant	DJSOe22norFIT	Not Constant
alpha2		0.17700653	Constant	DJSOe22norFIT	Not Constant
beta1		0.08549337	Constant	DJSOe22norFIT	Not Constant
beta2		0.0854322	Constant	DJSOe22norFIT	Not Constant
gamma1		0.07774292	Constant	DJSOe22norFIT	Not Constant
gamma2		0.04676548	Not Constant	DJSOe22norFIT	Not Constant
>	nyblom(DJSOe21norFIT)$IndividualStat			DJSOe22norFIT	
	[,1]			DJSOe22norFIT	
ma1		0.17139557	Constant	DJSOe21norFIT	Not Constant
ma2		0.18862928	Constant	DJSOe21norFIT	Not Constant
omega		0.08596786	Constant	DJSOe21norFIT	Not Constant
alpha1		0.18615757	Constant	DJSOe21norFIT	Not Constant
alpha2		0.17516887	Constant	DJSOe21norFIT	Not Constant
beta1		0.08373521	Constant	DJSOe21norFIT	Not Constant
gamma1		0.06589792	Constant	DJSOe21norFIT	Not Constant
gamma2		0.04561751	Not Constant	DJSOe21norFIT	Not Constant
>	nyblom(SEFPs11gedFIT)$IndividualStat			DJSOe21norFIT	
	[,1]			DJSOe21norFIT	
ar1		0.09004481	Constant	SEFPs11gedFIT	Constant
omega		3.31700742	Constant	SEFPs11gedFIT	Constant
alpha1		0.28756683	Constant	SEFPs11gedFIT	Constant
beta1		0.41981909	Constant	SEFPs11gedFIT	Constant
shape		0.132756	Constant	SEFPs11gedFIT	Constant
>	nyblom(SEFPe11gedFIT)$IndividualStat			SEFPs11gedFIT	
	[,1]			SEFPs11gedFIT	
ar1		0.2430435	Constant	SEFPe11gedFIT	Not Constant
omega		0.41236244	Constant	SEFPe11gedFIT	Not Constant
alpha1		0.01925625	Not Constant	SEFPe11gedFIT	Not Constant
beta1		0.39961241	Constant	SEFPe11gedFIT	Not Constant
gamma1		0.21539937	Constant	SEFPe11gedFIT	Not Constant
shape		0.11721724	Constant	SEFPe11gedFIT	Not Constant
>	nyblom(SEFPe12gedFIT)$IndividualStat			SEFPe11gedFIT	
	[,1]			SEFPe11gedFIT	
ar1		0.275342	Constant	SEFPe12gedFIT	Constant
omega		0.3152467	Constant	SEFPe12gedFIT	Constant
alpha1		0.1103934	Constant	SEFPe12gedFIT	Constant
beta1		0.3042169	Constant	SEFPe12gedFIT	Constant
beta2		0.3039502	Constant	SEFPe12gedFIT	Constant
gamma1		0.2185035	Constant	SEFPe12gedFIT	Constant
shape		0.1046643	Constant	SEFPe12gedFIT	Constant
>	nyblom(SEFPe11stdFIT)$IndividualStat			SEFPe12gedFIT	
	[,1]			SEFPe12gedFIT	
ar1		0.25172107	Constant	SEFPe11stdFIT	Not Constant
omega		0.26447622	Constant	SEFPe11stdFIT	Not Constant
alpha1		0.04049624	Not Constant	SEFPe11stdFIT	Not Constant
beta1		0.25149843	Constant	SEFPe11stdFIT	Not Constant
gamma1		0.18100475	Constant	SEFPe11stdFIT	Not Constant
shape		0.26093672	Constant	SEFPe11stdFIT	Not Constant
>	nyblom(SEFPe12stdFIT)$IndividualStat			SEFPe11stdFIT	
	[,1]			SEFPe11stdFIT	
ar1		0.2597932	Constant	SEFPe12stdFIT	Constant
omega		0.196829	Constant	SEFPe12stdFIT	Constant
alpha1		0.1222629	Constant	SEFPe12stdFIT	Constant
beta1		0.1854508	Constant	SEFPe12stdFIT	Constant
beta2		0.1849298	Constant	SEFPe12stdFIT	Constant
gamma1		0.1653808	Constant	SEFPe12stdFIT	Constant
shape		0.2214463	Constant	SEFPe12stdFIT	Constant
>	nyblom(SEFPs11norFIT)$IndividualStat			SEFPe12stdFIT	
	[,1]			SEFPe12stdFIT	
ar1		0.3186015	Constant	SEFPs11norFIT	Constant
omega		4.3986696	Constant	SEFPs11norFIT	Constant
alpha1		0.2674963	Constant	SEFPs11norFIT	Constant
beta1		0.3582417	Constant	SEFPs11norFIT	Constant
>	nyblom(SEFPe11norFIT)$IndividualStat			SEFPs11norFIT	
	[,1]			SEFPs11norFIT	
ar1		0.26804032	Constant	SEFPe11norFIT	Not Constant
omega		0.47970108	Constant	SEFPe11norFIT	Not Constant
alpha1		0.04833156	Not Constant	SEFPe11norFIT	Not Constant
beta1		0.47080567	Constant	SEFPe11norFIT	Not Constant
gamma1		0.4746188	Constant	SEFPe11norFIT	Not Constant
>	nyblom(SEFPe12norFIT)$IndividualStat			SEFPe11norFIT	
	[,1]			SEFPe11norFIT	

ar1		0.27615385	Constant	SEFPe12norFIT	Not Constant
omega		0.43021905	Constant	SEFPe12norFIT	Not Constant
alpha1		0.04259717	Not Constant	SEFPe12norFIT	Not Constant
beta1		0.42181929	Constant	SEFPe12norFIT	Not Constant
beta2		0.42039331	Constant	SEFPe12norFIT	Not Constant
gamma1		0.45941226	Constant	SEFPe12norFIT	Not Constant
>	nyblom(SEECs11gedFIT)$IndividualStat			SEFPe12norFIT	
	[,1]			SEFPe12norFIT	
ma1		0.07024208	Constant	SEECs11gedFIT	Constant
ma2		0.25765597	Constant	SEECs11gedFIT	Constant
omega		5.29564441	Constant	SEECs11gedFIT	Constant
alpha1		0.41833013	Constant	SEECs11gedFIT	Constant
beta1		0.61555879	Constant	SEECs11gedFIT	Constant
shape		0.14760298	Constant	SEECs11gedFIT	Constant
>	nyblom(SEECe11gedFIT)$IndividualStat			SEECs11gedFIT	
	[,1]			SEECs11gedFIT	
ma1		0.03481313	Not Constant	SEECe11gedFIT	Not Constant
ma2		0.11487884	Constant	SEECe11gedFIT	Not Constant
omega		0.71929416	Constant	SEECe11gedFIT	Not Constant
alpha1		0.0782604	Constant	SEECe11gedFIT	Not Constant
beta1		0.70254988	Constant	SEECe11gedFIT	Not Constant
gamma1		0.23148963	Constant	SEECe11gedFIT	Not Constant
shape		0.14515486	Constant	SEECe11gedFIT	Not Constant
>	nyblom(SEECe12gedFIT)$IndividualStat			SEECe11gedFIT	
	[,1]			SEECe11gedFIT	
ma1		0.04914994	Not Constant	SEECe12gedFIT	Not Constant
ma2		0.20978479	Constant	SEECe12gedFIT	Not Constant
omega		0.65265452	Constant	SEECe12gedFIT	Not Constant
alpha1		0.06975371	Constant	SEECe12gedFIT	Not Constant
beta1		0.63923194	Constant	SEECe12gedFIT	Not Constant
beta2		0.63888315	Constant	SEECe12gedFIT	Not Constant
gamma1		0.24381696	Constant	SEECe12gedFIT	Not Constant
shape		0.1340737	Constant	SEECe12gedFIT	Not Constant
>	nyblom(SEECe12stdFIT)$IndividualStat			SEECe12gedFIT	
	[,1]			SEECe12gedFIT	
ma1		0.07922519	Constant	SEECe12stdFIT	Constant
ma2		0.10762052	Constant	SEECe12stdFIT	Constant
omega		0.77024369	Constant	SEECe12stdFIT	Constant
alpha1		0.07542458	Constant	SEECe12stdFIT	Constant
beta1		0.75321645	Constant	SEECe12stdFIT	Constant
beta2		0.75276339	Constant	SEECe12stdFIT	Constant
gamma1		0.41831326	Constant	SEECe12stdFIT	Constant
shape		0.69063423	Constant	SEECe12stdFIT	Constant
>	nyblom(SEECs12norFIT)$IndividualStat			SEECe12stdFIT	
	[,1]			SEECe12stdFIT	
ma1		0.05877516	Constant	SEECs12norFIT	Constant
ma2		0.07482543	Constant	SEECs12norFIT	Constant
omega		0.06805734	Constant	SEECs12norFIT	Constant
alpha1		0.10623137	Constant	SEECs12norFIT	Constant
beta1		0.13366289	Constant	SEECs12norFIT	Constant
beta2		0.13549098	Constant	SEECs12norFIT	Constant
>	nyblom(SEECe12norFIT)$IndividualStat			SEECs12norFIT	
	[,1]			SEECs12norFIT	
ma1		0.02565694	Not Constant	SEECe12norFIT	Not Constant
ma2		0.16950569	Constant	SEECe12norFIT	Not Constant
omega		0.17636423	Constant	SEECe12norFIT	Not Constant
alpha1		0.04392811	Not Constant	SEECe12norFIT	Not Constant
beta1		0.18074802	Constant	SEECe12norFIT	Not Constant
beta2		0.18051658	Constant	SEECe12norFIT	Not Constant
gamma1		0.55738054	Constant	SEECe12norFIT	Not Constant
>	nyblom(SEFLe11gedFIT)$IndividualStat			SEECe12norFIT	
	[,1]			SEECe12norFIT	
ar1		0.09766388	Constant	SEFLe11gedFIT	Not Constant
ar2		0.41060755	Constant	SEFLe11gedFIT	Not Constant
ar3		0.04455027	Not Constant	SEFLe11gedFIT	Not Constant
ar4		0.61042815	Constant	SEFLe11gedFIT	Not Constant
ma1		0.08045191	Constant	SEFLe11gedFIT	Not Constant
omega		0.5059944	Constant	SEFLe11gedFIT	Not Constant
alpha1		0.24114842	Constant	SEFLe11gedFIT	Not Constant
beta1		0.49421695	Constant	SEFLe11gedFIT	Not Constant
gamma1		0.05104622	Constant	SEFLe11gedFIT	Not Constant
shape		0.46267825	Constant	SEFLe11gedFIT	Not Constant
>	nyblom(SEFLg11gedFIT)$IndividualStat			SEFLe11gedFIT	
	[,1]			SEFLe11gedFIT	
ar1		0.1238471	Constant	SEFLg11gedFIT	Constant
ar2		0.1649087	Constant	SEFLg11gedFIT	Constant
ar3		0.1099019	Constant	SEFLg11gedFIT	Constant
ar4		0.229257	Constant	SEFLg11gedFIT	Constant
ma1		0.1305814	Constant	SEFLg11gedFIT	Constant
omega		1.0607539	Constant	SEFLg11gedFIT	Constant
alpha1		0.5346627	Constant	SEFLg11gedFIT	Constant
beta1		0.6395615	Constant	SEFLg11gedFIT	Constant
gamma1		0.8416277	Constant	SEFLg11gedFIT	Constant
shape		0.6805994	Constant	SEFLg11gedFIT	Constant
>	nyblom(SEFLe11norFIT)$IndividualStat			SEFLg11gedFIT	
	[,1]			SEFLg11gedFIT	
ar1		0.11118989	Constant	SEFLe11norFIT	Not Constant
ar2		0.34856092	Constant	SEFLe11norFIT	Not Constant
ar3		0.1072205	Constant	SEFLe11norFIT	Not Constant
ar4		0.07220385	Constant	SEFLe11norFIT	Not Constant
ma1		0.10177542	Constant	SEFLe11norFIT	Not Constant
omega		0.10551033	Constant	SEFLe11norFIT	Not Constant
alpha1		0.25109106	Constant	SEFLe11norFIT	Not Constant
beta1		0.10439037	Constant	SEFLe11norFIT	Not Constant
gamma1		0.02819245	Not Constant	SEFLe11norFIT	Not Constant
>	nyblom(SEFLe12norFIT)$IndividualStat			SEFLe11norFIT	
	[,1]			SEFLe11norFIT	
ar1		0.08601838	Constant	SEFLe12norFIT	Not Constant
ar2		0.49145715	Constant	SEFLe12norFIT	Not Constant
ar3		0.06688154	Constant	SEFLe12norFIT	Not Constant
ar4		0.05731335	Constant	SEFLe12norFIT	Not Constant
ma1		0.07285318	Constant	SEFLe12norFIT	Not Constant
omega		0.12157234	Constant	SEFLe12norFIT	Not Constant
alpha1		0.23455257	Constant	SEFLe12norFIT	Not Constant
beta1		0.11853029	Constant	SEFLe12norFIT	Not Constant
beta2		0.11902109	Constant	SEFLe12norFIT	Not Constant
gamma1		0.04148828	Not Constant	SEFLe12norFIT	Not Constant
>	nyblom(SEUTe11gedFIT)$IndividualStat			SEFLe12norFIT	
	[,1]			SEFLe12norFIT	
ma1		0.07382777	Constant	SEUTe11gedFIT	Not Constant
omega		0.36846771	Constant	SEUTe11gedFIT	Not Constant
alpha1		0.27652054	Constant	SEUTe11gedFIT	Not Constant
beta1		0.35076992	Constant	SEUTe11gedFIT	Not Constant
gamma1		0.04024905	Not Constant	SEUTe11gedFIT	Not Constant
shape		0.11885367	Constant	SEUTe11gedFIT	Not Constant
>	nyblom(SEUTe12gedFIT)$IndividualStat			SEUTe11gedFIT	
	[,1]			SEUTe11gedFIT	
ma1		0.05633357	Constant	SEUTe12gedFIT	Not Constant
omega		0.29169001	Constant	SEUTe12gedFIT	Not Constant
alpha1		0.36804	Constant	SEUTe12gedFIT	Not Constant
beta1		0.27679719	Constant	SEUTe12gedFIT	Not Constant
beta2		0.27686199	Constant	SEUTe12gedFIT	Not Constant
gamma1		0.03854531	Not Constant	SEUTe12gedFIT	Not Constant
shape		0.12052539	Constant	SEUTe12gedFIT	Not Constant
>	nyblom(SEUTc11gedFIT)$IndividualStat			SEUTe12gedFIT	
	[,1]			SEUTe12gedFIT	
ma1		0.09454269	Constant	SEUTc11gedFIT	Constant
omega		0.2027347	Constant	SEUTc11gedFIT	Constant
alpha1		0.23510696	Constant	SEUTc11gedFIT	Constant
beta1		0.49137465	Constant	SEUTc11gedFIT	Constant
eta11		0.21608332	Constant	SEUTc11gedFIT	Constant
eta21		0.05168152	Constant	SEUTc11gedFIT	Constant
shape		0.09493077	Constant	SEUTc11gedFIT	Constant
>	nyblom(SEUTe11stdFIT)$IndividualStat			SEUTc11gedFIT	
	[,1]			SEUTc11gedFIT	
ma1		0.03544474	Not Constant	SEUTe11stdFIT	Not Constant
omega		0.38815441	Constant	SEUTe11stdFIT	Not Constant
alpha1		0.29156138	Constant	SEUTe11stdFIT	Not Constant
beta1		0.3651817	Constant	SEUTe11stdFIT	Not Constant
gamma1		0.0908977	Constant	SEUTe11stdFIT	Not Constant
shape		0.52496878	Constant	SEUTe11stdFIT	Not Constant
>	nyblom(SEUTc11stdFIT)$IndividualStat			SEUTe11stdFIT	
	[,1]			SEUTe11stdFIT	
ma1		0.03749603	Not Constant	SEUTc11stdFIT	Not Constant
omega		0.14907981	Constant	SEUTc11stdFIT	Not Constant
alpha1		0.23450166	Constant	SEUTc11stdFIT	Not Constant
beta1		1.46978738	Constant	SEUTc11stdFIT	Not Constant
eta11		0.36040708	Constant	SEUTc11stdFIT	Not Constant
eta21		0.18510833	Constant	SEUTc11stdFIT	Not Constant
shape		0.31414645	Constant	SEUTc11stdFIT	Not Constant
>	nyblom(SEUTe11norFIT)$IndividualStat			SEUTc11stdFIT	
	[,1]			SEUTc11stdFIT	
ma1		0.02948299	Not Constant	SEUTe11norFIT	Not Constant
omega		0.1635331	Constant	SEUTe11norFIT	Not Constant
alpha1		0.09759526	Constant	SEUTe11norFIT	Not Constant
beta1		0.16418763	Constant	SEUTe11norFIT	Not Constant
gamma1		0.04373156	Not Constant	SEUTe11norFIT	Not Constant
>	nyblom(SEUTe12norFIT)$IndividualStat			SEUTe11norFIT	
	[,1]			SEUTe11norFIT	
ma1		0.03364435	Not Constant	SEUTe12norFIT	Not Constant
omega		0.13961335	Constant	SEUTe12norFIT	Not Constant
alpha1		0.18190505	Constant	SEUTe12norFIT	Not Constant
beta1		0.14019601	Constant	SEUTe12norFIT	Not Constant
beta2		0.14028809	Constant	SEUTe12norFIT	Not Constant
gamma1		0.04491754	Not Constant	SEUTe12norFIT	Not Constant
>	nyblom(SETRe11gedFIT)$IndividualStat			SEUTe12norFIT	
	[,1]			SEUTe12norFIT	
ar1		0.08687665	Constant	SETRe11gedFIT	Constant

ar2		0.08505494	Constant	SETRe11gedFIT	Constant
ar3		0.09520386	Constant	SETRe11gedFIT	Constant
ma1		0.05994257	Constant	SETRe11gedFIT	Constant
ma2		0.07855252	Constant	SETRe11gedFIT	Constant
omega		0.88969139	Constant	SETRe11gedFIT	Constant
alpha1		0.12309184	Constant	SETRe11gedFIT	Constant
beta1		0.89548441	Constant	SETRe11gedFIT	Constant
gamma1		0.18767469	Constant	SETRe11gedFIT	Constant
shape		0.11804399	Constant	SETRe11gedFIT	Constant
>	nyblom(SETRs12norFIT)$IndividualStat			SETRe11gedFIT	
	[,1]			SETRe11gedFIT	
ar1		0.05840619	Constant	SETRs12norFIT	Constant
ar2		0.1293329	Constant	SETRs12norFIT	Constant
ar3		0.09451825	Constant	SETRs12norFIT	Constant
ma1		0.06212703	Constant	SETRs12norFIT	Constant
ma2		0.14895682	Constant	SETRs12norFIT	Constant
omega		0.22399975	Constant	SETRs12norFIT	Constant
alpha1		0.43636582	Constant	SETRs12norFIT	Constant
beta1		0.68751774	Constant	SETRs12norFIT	Constant
beta2		0.65597905	Constant	SETRs12norFIT	Constant
>	nyblom(SETRe11norFIT)$IndividualStat			SETRs12norFIT	
	[,1]			SETRs12norFIT	
ar1		0.04233935	Not Constant	SETRe11norFIT	Not Constant
ar2		0.16671432	Constant	SETRe11norFIT	Not Constant
ar3		0.17471724	Constant	SETRe11norFIT	Not Constant
ma1		0.03768869	Not Constant	SETRe11norFIT	Not Constant
ma2		0.16423962	Constant	SETRe11norFIT	Not Constant
omega		0.48205088	Constant	SETRe11norFIT	Not Constant
alpha1		0.07297477	Constant	SETRe11norFIT	Not Constant
beta1		0.50484503	Constant	SETRe11norFIT	Not Constant
gamma1		0.27979102	Constant	SETRe11norFIT	Not Constant
>	nyblom(SETRe12norFIT)$IndividualStat			SETRe11norFIT	
	[,1]			SETRe11norFIT	
ar1		0.08169637	Constant	SETRe12norFIT	Constant
ar2		0.18569342	Constant	SETRe12norFIT	Constant
ar3		0.11210567	Constant	SETRe12norFIT	Constant
ma1		0.10141684	Constant	SETRe12norFIT	Constant
ma2		0.20527361	Constant	SETRe12norFIT	Constant
omega		0.42793427	Constant	SETRe12norFIT	Constant
alpha1		0.08295037	Constant	SETRe12norFIT	Constant
beta1		0.44147912	Constant	SETRe12norFIT	Constant
beta2		0.44198874	Constant	SETRe12norFIT	Constant
gamma1		0.2287239	Constant	SETRe12norFIT	Constant
>	nyblom(SETRg12norFIT)$IndividualStat			SETRe12norFIT	
	[,1]			SETRe12norFIT	
ar1		0.04543595	Not Constant	SETRg12norFIT	Not Constant
ar2		0.13253914	Constant	SETRg12norFIT	Not Constant
ar3		0.09143663	Constant	SETRg12norFIT	Not Constant
ma1		0.05248429	Constant	SETRg12norFIT	Not Constant
ma2		0.14503646	Constant	SETRg12norFIT	Not Constant
omega		1.30763112	Constant	SETRg12norFIT	Not Constant
alpha1		0.1642775	Constant	SETRg12norFIT	Not Constant
beta1		0.50571975	Constant	SETRg12norFIT	Not Constant
beta2		0.51177904	Constant	SETRg12norFIT	Not Constant
gamma1		0.60247723	Constant	SETRg12norFIT	Not Constant
>	nyblom(SEMOe11gedFIT)$IndividualStat			SETRg12norFIT	
	[,1]			SETRg12norFIT	
ar1		0.20917317	Constant	SEMOe11gedFIT	Not Constant
ar2		0.18410425	Constant	SEMOe11gedFIT	Not Constant
ar3		0.52378505	Constant	SEMOe11gedFIT	Not Constant
ar4		0.23883538	Constant	SEMOe11gedFIT	Not Constant
ma1		0.17542087	Constant	SEMOe11gedFIT	Not Constant
ma2		0.12872934	Constant	SEMOe11gedFIT	Not Constant
omega		0.69723439	Constant	SEMOe11gedFIT	Not Constant
alpha1		0.29844857	Constant	SEMOe11gedFIT	Not Constant
beta1		0.67465984	Constant	SEMOe11gedFIT	Not Constant
gamma1		0.04587744	Not Constant	SEMOe11gedFIT	Not Constant
shape		0.75557748	Constant	SEMOe11gedFIT	Not Constant
>	nyblom(SEMOe12gedFIT)$IndividualStat			SEMOe11gedFIT	
	[,1]			SEMOe11gedFIT	
ar1		0.5620713	Constant	SEMOe12gedFIT	Not Constant
ar2		0.05732171	Constant	SEMOe12gedFIT	Not Constant
ar3		0.14397514	Constant	SEMOe12gedFIT	Not Constant
ar4		0.0864722	Constant	SEMOe12gedFIT	Not Constant
ma1		0.73528801	Constant	SEMOe12gedFIT	Not Constant
ma2		0.07273047	Constant	SEMOe12gedFIT	Not Constant
omega		0.52973767	Constant	SEMOe12gedFIT	Not Constant
alpha1		0.49559399	Constant	SEMOe12gedFIT	Not Constant
beta1		0.51857184	Constant	SEMOe12gedFIT	Not Constant
beta2		0.51682892	Constant	SEMOe12gedFIT	Not Constant
gamma1		0.03106668	Not Constant	SEMOe12gedFIT	Not Constant
shape		0.63372166	Constant	SEMOe12gedFIT	Not Constant
>	nyblom(SEMOe11stdFIT)$IndividualStat			SEMOe12gedFIT	
	[,1]			SEMOe12gedFIT	
ar1		0.13058739	Constant	SEMOe11stdFIT	Constant
ar2		0.14029105	Constant	SEMOe11stdFIT	Constant
ar3		0.07163642	Constant	SEMOe11stdFIT	Constant
ar4		0.09170363	Constant	SEMOe11stdFIT	Constant
ma1		0.10151567	Constant	SEMOe11stdFIT	Constant
ma2		0.13204743	Constant	SEMOe11stdFIT	Constant
omega		0.69733766	Constant	SEMOe11stdFIT	Constant
alpha1		0.19929328	Constant	SEMOe11stdFIT	Constant
beta1		0.68445352	Constant	SEMOe11stdFIT	Constant
gamma1		0.1070117	Constant	SEMOe11stdFIT	Constant
shape		0.77708092	Constant	SEMOe11stdFIT	Constant
>	nyblom(SEMOe11norFIT)$IndividualStat			SEMOe11stdFIT	
	[,1]			SEMOe11stdFIT	
ar1		0.04418726	Not Constant	SEMOe11norFIT	Not Constant
ar2		0.06692059	Constant	SEMOe11norFIT	Not Constant
ar3		0.05934006	Constant	SEMOe11norFIT	Not Constant
ar4		0.05462788	Constant	SEMOe11norFIT	Not Constant
ma1		0.04687043	Not Constant	SEMOe11norFIT	Not Constant
ma2		0.06797253	Constant	SEMOe11norFIT	Not Constant
omega		0.3517977	Constant	SEMOe11norFIT	Not Constant
alpha1		0.33821954	Constant	SEMOe11norFIT	Not Constant
beta1		0.33569943	Constant	SEMOe11norFIT	Not Constant
gamma1		0.16999433	Constant	SEMOe11norFIT	Not Constant
>	nyblom(SEOGe11gedFIT)$IndividualStat			SEMOe11norFIT	
	[,1]			SEMOe11norFIT	
ar1		0.09226098	Constant	SEOGe11gedFIT	Constant
ar2		0.09529576	Constant	SEOGe11gedFIT	Constant
ma1		0.10425995	Constant	SEOGe11gedFIT	Constant
ma2		0.08962971	Constant	SEOGe11gedFIT	Constant
omega		0.08365854	Constant	SEOGe11gedFIT	Constant
alpha1		1.38552089	Constant	SEOGe11gedFIT	Constant
beta1		0.08870412	Constant	SEOGe11gedFIT	Constant
gamma1		0.20125711	Constant	SEOGe11gedFIT	Constant
shape		0.38390794	Constant	SEOGe11gedFIT	Constant
>	nyblom(SEOGe12gedFIT)$IndividualStat			SEOGe11gedFIT	
	[,1]			SEOGe11gedFIT	
ar1		0.08120049	Constant	SEOGe12gedFIT	Constant
ar2		0.22046583	Constant	SEOGe12gedFIT	Constant
ma1		0.08600858	Constant	SEOGe12gedFIT	Constant
ma2		0.15812902	Constant	SEOGe12gedFIT	Constant
omega		0.05706313	Constant	SEOGe12gedFIT	Constant
alpha1		1.08271241	Constant	SEOGe12gedFIT	Constant
beta1		0.05867049	Constant	SEOGe12gedFIT	Constant
beta2		0.05869914	Constant	SEOGe12gedFIT	Constant
gamma1		0.13971636	Constant	SEOGe12gedFIT	Constant
shape		0.3442594	Constant	SEOGe12gedFIT	Constant
>	nyblom(SEOGe11stdFIT)$IndividualStat			SEOGe12gedFIT	
	[,1]			SEOGe12gedFIT	
ar1		0.58452897	Constant	SEOGe11stdFIT	Constant
ar2		0.77456758	Constant	SEOGe11stdFIT	Constant
ma1		0.4740563	Constant	SEOGe11stdFIT	Constant
ma2		0.71646566	Constant	SEOGe11stdFIT	Constant
omega		0.08793783	Constant	SEOGe11stdFIT	Constant
alpha1		1.11481738	Constant	SEOGe11stdFIT	Constant
beta1		0.08273822	Constant	SEOGe11stdFIT	Constant
gamma1		0.3970219	Constant	SEOGe11stdFIT	Constant
shape		0.43649927	Constant	SEOGe11stdFIT	Constant
>	nyblom(SEOGe11norFIT)$IndividualStat			SEOGe11stdFIT	
	[,1]			SEOGe11stdFIT	
ar1		0.0962005	Constant	SEOGe11norFIT	Constant
ar2		0.07709379	Constant	SEOGe11norFIT	Constant
ma1		0.10188075	Constant	SEOGe11norFIT	Constant
ma2		0.05800714	Constant	SEOGe11norFIT	Constant
omega		0.1819303	Constant	SEOGe11norFIT	Constant
alpha1		0.8817293	Constant	SEOGe11norFIT	Constant
beta1		0.20252646	Constant	SEOGe11norFIT	Constant
gamma1		0.11311851	Constant	SEOGe11norFIT	Constant
>	nyblom(SEOGe12norFIT)$IndividualStat			SEOGe11norFIT	
	[,1]			SEOGe11norFIT	
ar1		0.13946746	Constant	SEOGe12norFIT	Not Constant
ar2		0.04687332	Not Constant	SEOGe12norFIT	Not Constant
ma1		0.1369001	Constant	SEOGe12norFIT	Not Constant
ma2		0.04031185	Not Constant	SEOGe12norFIT	Not Constant
omega		0.15487384	Constant	SEOGe12norFIT	Not Constant
alpha1		0.71770715	Constant	SEOGe12norFIT	Not Constant
beta1		0.17349476	Constant	SEOGe12norFIT	Not Constant
beta2		0.17328598	Constant	SEOGe12norFIT	Not Constant
gamma1		0.09977451	Constant	SEOGe12norFIT	Not Constant
>	nyblom(SEOGe21norFIT)$IndividualStat			SEOGe12norFIT	
	[,1]			SEOGe12norFIT	
ar1		0.03326538	Not Constant	SEOGe21norFIT	Not Constant
ar2		0.053423	Constant	SEOGe21norFIT	Not Constant
ma1		0.03244874	Not Constant	SEOGe21norFIT	Not Constant
ma2		0.05412096	Constant	SEOGe21norFIT	Not Constant

omega		0.1749346	Constant	SEOGe21norFIT	Not Constant
alpha1		0.86312828	Constant	SEOGe21norFIT	Not Constant
alpha2		0.84581332	Constant	SEOGe21norFIT	Not Constant
beta1		0.19494068	Constant	SEOGe21norFIT	Not Constant
gamma1		0.1555969	Constant	SEOGe21norFIT	Not Constant
gamma2		0.19002405	Constant	SEOGe21norFIT	Not Constant
>	nyblom(SEOEe11gedFIT)$IndividualStat			SEOGe21norFIT	
	[,1]			SEOGe21norFIT	
ma1		0.1106362	Constant	SEOEe11gedFIT	Constant
omega		0.1201226	Constant	SEOEe11gedFIT	Constant
alpha1		0.1539112	Constant	SEOEe11gedFIT	Constant
beta1		0.1298743	Constant	SEOEe11gedFIT	Constant
gamma1		0.2493917	Constant	SEOEe11gedFIT	Constant
shape		0.1709781	Constant	SEOEe11gedFIT	Constant
>	nyblom(SEOEe12gedFIT)$IndividualStat			SEOEe11gedFIT	
	[,1]			SEOEe11gedFIT	
ma1		0.16356333	Constant	SEOEe12gedFIT	Constant
omega		0.08986282	Constant	SEOEe12gedFIT	Constant
alpha1		0.1497006	Constant	SEOEe12gedFIT	Constant
beta1		0.09514772	Constant	SEOEe12gedFIT	Constant
beta2		0.09483251	Constant	SEOEe12gedFIT	Constant
gamma1		0.14353272	Constant	SEOEe12gedFIT	Constant
shape		0.18163796	Constant	SEOEe12gedFIT	Constant
>	nyblom(SEOEe11stdFIT)$IndividualStat			SEOEe12gedFIT	
	[,1]			SEOEe12gedFIT	
ma1		0.11912668	Constant	SEOEe11stdFIT	Not Constant
omega		0.13027891	Constant	SEOEe11stdFIT	Not Constant
alpha1		0.2271192	Constant	SEOEe11stdFIT	Not Constant
beta1		0.15413528	Constant	SEOEe11stdFIT	Not Constant
gamma1		0.03005759	Not Constant	SEOEe11stdFIT	Not Constant
shape		0.24380864	Constant	SEOEe11stdFIT	Not Constant
>	nyblom(SEOEe11norFIT)$IndividualStat			SEOEe11stdFIT	
	[,1]			SEOEe11stdFIT	
ma1		0.1580154	Constant	SEOEe11norFIT	Constant
omega		0.1101329	Constant	SEOEe11norFIT	Constant
alpha1		0.1679965	Constant	SEOEe11norFIT	Constant
beta1		0.1112381	Constant	SEOEe11norFIT	Constant
gamma1		0.2536752	Constant	SEOEe11norFIT	Constant
>	nyblom(SEOEe12norFIT)$IndividualStat			SEOEe11norFIT	
	[,1]			SEOEe11norFIT	
ma1		0.2065198	Constant	SEOEe12norFIT	Constant
omega		0.1039255	Constant	SEOEe12norFIT	Constant
alpha1		0.113154	Constant	SEOEe12norFIT	Constant
beta1		0.1047012	Constant	SEOEe12norFIT	Constant
beta2		0.1046098	Constant	SEOEe12norFIT	Constant
gamma1		0.2275041	Constant	SEOEe12norFIT	Constant
>	nyblom(SEAIs11gedFIT)$IndividualStat			SEOEe12norFIT	
	[,1]			SEOEe12norFIT	
ar1		0.1996402	Constant	SEAIs11gedFIT	Constant
ar2		0.2112677	Constant	SEAIs11gedFIT	Constant
ma1		0.1651154	Constant	SEAIs11gedFIT	Constant
ma2		0.1951807	Constant	SEAIs11gedFIT	Constant
omega		10.1049005	Constant	SEAIs11gedFIT	Constant
alpha1		0.4002499	Constant	SEAIs11gedFIT	Constant
beta1		0.367505	Constant	SEAIs11gedFIT	Constant
shape		0.1998744	Constant	SEAIs11gedFIT	Constant
>	nyblom(SEAIe11gedFIT)$IndividualStat			SEAIs11gedFIT	
	[,1]			SEAIs11gedFIT	
ar1		0.41044101	Constant	SEAIe11gedFIT	Not Constant
ar2		0.23964694	Constant	SEAIe11gedFIT	Not Constant
ma1		0.3964906	Constant	SEAIe11gedFIT	Not Constant
ma2		0.22875362	Constant	SEAIe11gedFIT	Not Constant
omega		0.3892292	Constant	SEAIe11gedFIT	Not Constant
alpha1		0.16787738	Constant	SEAIe11gedFIT	Not Constant
beta1		0.39542023	Constant	SEAIe11gedFIT	Not Constant
gamma1		0.03887906	Not Constant	SEAIe11gedFIT	Not Constant
shape		0.16330835	Constant	SEAIe11gedFIT	Not Constant
>	nyblom(SEAIe12gedFIT)$IndividualStat			SEAIe11gedFIT	
	[,1]			SEAIe11gedFIT	
ar1		0.43782085	Constant	SEAIe12gedFIT	Not Constant
ar2		0.30510756	Constant	SEAIe12gedFIT	Not Constant
ma1		0.42910394	Constant	SEAIe12gedFIT	Not Constant
ma2		0.29639193	Constant	SEAIe12gedFIT	Not Constant
omega		0.33121406	Constant	SEAIe12gedFIT	Not Constant
alpha1		0.18038378	Constant	SEAIe12gedFIT	Not Constant
beta1		0.33378651	Constant	SEAIe12gedFIT	Not Constant
beta2		0.33596025	Constant	SEAIe12gedFIT	Not Constant
gamma1		0.03445727	Not Constant	SEAIe12gedFIT	Not Constant
shape		0.1487027	Constant	SEAIe12gedFIT	Not Constant
>	nyblom(SEAIe11stdFIT)$IndividualStat			SEAIe12gedFIT	
	[,1]			SEAIe12gedFIT	
ar1		0.50313475	Constant	SEAIe11stdFIT	Not Constant
ar2		0.25051119	Constant	SEAIe11stdFIT	Not Constant
ma1		0.51915268	Constant	SEAIe11stdFIT	Not Constant
ma2		0.27947183	Constant	SEAIe11stdFIT	Not Constant
omega		0.3245108	Constant	SEAIe11stdFIT	Not Constant
alpha1		0.2717903	Constant	SEAIe11stdFIT	Not Constant
beta1		0.32492836	Constant	SEAIe11stdFIT	Not Constant
gamma1		0.03469755	Not Constant	SEAIe11stdFIT	Not Constant
shape		0.32103469	Constant	SEAIe11stdFIT	Not Constant
>	nyblom(SEAIs11norFIT)$IndividualStat			SEAIe11stdFIT	
	[,1]			SEAIe11stdFIT	
ar1		0.09423143	Constant	SEAIs11norFIT	Constant
ar2		0.07730727	Constant	SEAIs11norFIT	Constant
ma1		0.19044584	Constant	SEAIs11norFIT	Constant
ma2		0.07308935	Constant	SEAIs11norFIT	Constant
omega		5.48099067	Constant	SEAIs11norFIT	Constant
alpha1		0.1247525	Constant	SEAIs11norFIT	Constant
beta1		0.17986124	Constant	SEAIs11norFIT	Constant
>	nyblom(SEAIs12norFIT)$IndividualStat			SEAIs11norFIT	
	[,1]			SEAIs11norFIT	
ar1		0.16697772	Constant	SEAIs12norFIT	Constant
ar2		0.07195148	Constant	SEAIs12norFIT	Constant
ma1		0.18526364	Constant	SEAIs12norFIT	Constant
ma2		0.06766227	Constant	SEAIs12norFIT	Constant
omega		3.13217762	Constant	SEAIs12norFIT	Constant
alpha1		0.1335386	Constant	SEAIs12norFIT	Constant
beta1		0.21914676	Constant	SEAIs12norFIT	Constant
beta2		0.21546684	Constant	SEAIs12norFIT	Constant
>	nyblom(SEAIe11norFIT)$IndividualStat			SEAIs12norFIT	
	[,1]			SEAIs12norFIT	
ar1		0.17409168	Constant	SEAIe11norFIT	Constant
ar2		0.09244031	Constant	SEAIe11norFIT	Constant
ma1		0.20186653	Constant	SEAIe11norFIT	Constant
ma2		0.08617722	Constant	SEAIe11norFIT	Constant
omega		0.17726091	Constant	SEAIe11norFIT	Constant
alpha1		0.05147745	Constant	SEAIe11norFIT	Constant
beta1		0.18239209	Constant	SEAIe11norFIT	Constant
gamma1		0.08425054	Constant	SEAIe11norFIT	Constant
>	nyblom(SEAIc12norFIT)$IndividualStat			SEAIe11norFIT	
	[,1]			SEAIe11norFIT	
ar1		0.18645292	Constant	SEAIc12norFIT	Constant
ar2		0.08104118	Constant	SEAIc12norFIT	Constant
ma1		0.2052217	Constant	SEAIc12norFIT	Constant
ma2		0.07988892	Constant	SEAIc12norFIT	Constant
omega		12.93632613	Constant	SEAIc12norFIT	Constant
alpha1		0.05650914	Constant	SEAIc12norFIT	Constant
beta1		0.0585728	Constant	SEAIc12norFIT	Constant
beta2		0.05870293	Constant	SEAIc12norFIT	Constant
eta11		0.1687099	Constant	SEAIc12norFIT	Constant
eta21		0.09633312	Constant	SEAIc12norFIT	Constant
>	nyblom(SEISe11gedFIT)$IndividualStat			SEAIc12norFIT	
	[,1]			SEAIc12norFIT	
ar1		0.0235831	Not Constant	SEISe11gedFIT	Not Constant
omega		0.5444734	Constant	SEISe11gedFIT	Not Constant
alpha1		0.2949339	Constant	SEISe11gedFIT	Not Constant
beta1		0.5409996	Constant	SEISe11gedFIT	Not Constant
gamma1		0.1955836	Constant	SEISe11gedFIT	Not Constant
shape		0.1088177	Constant	SEISe11gedFIT	Not Constant
>	nyblom(SEISe12gedFIT)$IndividualStat			SEISe11gedFIT	
	[,1]			SEISe11gedFIT	
ar1		0.02123708	Not Constant	SEISe12gedFIT	Not Constant
omega		0.36396214	Constant	SEISe12gedFIT	Not Constant
alpha1		0.13995026	Constant	SEISe12gedFIT	Not Constant
beta1		0.35871973	Constant	SEISe12gedFIT	Not Constant
beta2		0.35869686	Constant	SEISe12gedFIT	Not Constant
gamma1		0.06176044	Constant	SEISe12gedFIT	Not Constant
shape		0.09238073	Constant	SEISe12gedFIT	Not Constant
>	nyblom(SEISe21gedFIT)$IndividualStat			SEISe12gedFIT	
	[,1]			SEISe12gedFIT	
ar1		0.07244949	Constant	SEISe21gedFIT	Constant
omega		0.50812346	Constant	SEISe21gedFIT	Constant
alpha1		0.24673508	Constant	SEISe21gedFIT	Constant
alpha2		0.2120933	Constant	SEISe21gedFIT	Constant
beta1		0.50365071	Constant	SEISe21gedFIT	Constant
gamma1		0.08836063	Constant	SEISe21gedFIT	Constant
gamma2		0.1262066	Constant	SEISe21gedFIT	Constant
shape		0.07546574	Constant	SEISe21gedFIT	Constant
>	nyblom(SEISe11stdFIT)$IndividualStat			SEISe21gedFIT	
	[,1]			SEISe21gedFIT	
ar1		0.09939913	Constant	SEISe11stdFIT	Constant
omega		0.4073027	Constant	SEISe11stdFIT	Constant
alpha1		0.31420002	Constant	SEISe11stdFIT	Constant
beta1		0.40379663	Constant	SEISe11stdFIT	Constant
gamma1		0.10898341	Constant	SEISe11stdFIT	Constant
shape		0.32028826	Constant	SEISe11stdFIT	Constant
>	nyblom(SEISe12stdFIT)$IndividualStat			SEISe11stdFIT	
	[,1]			SEISe11stdFIT	

ar1		0.12291518	Constant	SEISe12stdFIT	Constant
omega		0.27609303	Constant	SEISe12stdFIT	Constant
alpha1		0.15206477	Constant	SEISe12stdFIT	Constant
beta1		0.27033488	Constant	SEISe12stdFIT	Constant
beta2		0.27037553	Constant	SEISe12stdFIT	Constant
gamma1		0.05128251	Constant	SEISe12stdFIT	Constant
shape		0.24126983	Constant	SEISe12stdFIT	Constant
>	nyblom(SEISe11norFIT)$IndividualStat			SEISe12stdFIT	
	[,1]			SEISe12stdFIT	
ar1		0.3122922	Constant	SEISe11norFIT	Constant
omega		0.5398493	Constant	SEISe11norFIT	Constant
alpha1		0.1947399	Constant	SEISe11norFIT	Constant
beta1		0.5408911	Constant	SEISe11norFIT	Constant
gamma1		0.2387988	Constant	SEISe11norFIT	Constant
>	nyblom(SEISe22norFIT)$IndividualStat			SEISe11norFIT	
	[,1]			SEISe11norFIT	
ar1		0.441132	Constant	SEISe22norFIT	Constant
omega		0.524341	Constant	SEISe22norFIT	Constant
alpha1		0.1210097	Constant	SEISe22norFIT	Constant
alpha2		0.1182558	Constant	SEISe22norFIT	Constant
beta1		0.5244949	Constant	SEISe22norFIT	Constant
beta2		0.5256431	Constant	SEISe22norFIT	Constant
gamma1		0.1871125	Constant	SEISe22norFIT	Constant
gamma2		0.1750861	Constant	SEISe22norFIT	Constant
>	nyblom(SEISe12norFIT)$IndividualStat			SEISe22norFIT	
	[,1]			SEISe22norFIT	
ar1		0.42212031	Constant	SEISe12norFIT	Constant
omega		0.45876948	Constant	SEISe12norFIT	Constant
alpha1		0.08165672	Constant	SEISe12norFIT	Constant
beta1		0.45742339	Constant	SEISe12norFIT	Constant
beta2		0.45812795	Constant	SEISe12norFIT	Constant
gamma1		0.14066864	Constant	SEISe12norFIT	Constant
>	nyblom(SEISe21norFIT)$IndividualStat			SEISe12norFIT	
	[,1]			SEISe12norFIT	
ar1		0.4352819	Constant	SEISe21norFIT	Constant
omega		0.5216546	Constant	SEISe21norFIT	Constant
alpha1		0.1211147	Constant	SEISe21norFIT	Constant
alpha2		0.117475	Constant	SEISe21norFIT	Constant
beta1		0.522195	Constant	SEISe21norFIT	Constant
gamma1		0.1897872	Constant	SEISe21norFIT	Constant
gamma2		0.1773237	Constant	SEISe21norFIT	Constant
>	nyblom(SEISg11norFIT)$IndividualStat			SEISe21norFIT	
	[,1]			SEISe21norFIT	
ar1		0.2755573	Constant	SEISg11norFIT	Constant
omega		1.3651995	Constant	SEISg11norFIT	Constant
alpha1		0.4267158	Constant	SEISg11norFIT	Constant
beta1		0.410609	Constant	SEISg11norFIT	Constant
gamma1		0.3981962	Constant	SEISg11norFIT	Constant
>	nyblom(SEISg12norFIT)$IndividualStat			SEISg11norFIT	
	[,1]			SEISg11norFIT	
ar1		0.3348408	Constant	SEISg12norFIT	Constant
omega		1.8727229	Constant	SEISg12norFIT	Constant
alpha1		0.3138743	Constant	SEISg12norFIT	Constant
beta1		0.3354563	Constant	SEISg12norFIT	Constant
beta2		0.3427642	Constant	SEISg12norFIT	Constant
gamma1		0.3639478	Constant	SEISg12norFIT	Constant
>	nyblom(SEREe11gedFIT)$IndividualStat			SEISg12norFIT	
	[,1]			SEISg12norFIT	
ar1		0.24137826	Constant	SEREe11gedFIT	Constant
ar2		0.20264994	Constant	SEREe11gedFIT	Constant
ma1		0.17975906	Constant	SEREe11gedFIT	Constant
ma2		0.1537851	Constant	SEREe11gedFIT	Constant
omega		0.74015452	Constant	SEREe11gedFIT	Constant
alpha1		0.05410356	Constant	SEREe11gedFIT	Constant
beta1		0.75440972	Constant	SEREe11gedFIT	Constant
gamma1		0.10377088	Constant	SEREe11gedFIT	Constant
shape		0.13764944	Constant	SEREe11gedFIT	Constant
>	nyblom(SEREe11stdFIT)$IndividualStat			SEREe11gedFIT	
	[,1]			SEREe11gedFIT	
ar1		0.18086113	Constant	SEREe11stdFIT	Constant
ar2		0.37785493	Constant	SEREe11stdFIT	Constant
ma1		0.16767173	Constant	SEREe11stdFIT	Constant
ma2		0.3422114	Constant	SEREe11stdFIT	Constant
omega		0.66978576	Constant	SEREe11stdFIT	Constant
alpha1		0.05183161	Constant	SEREe11stdFIT	Constant
beta1		0.66827137	Constant	SEREe11stdFIT	Constant
gamma1		0.33946719	Constant	SEREe11stdFIT	Constant
shape		0.3807556	Constant	SEREe11stdFIT	Constant
>	nyblom(SEREg11stdFIT)$IndividualStat			SEREe11stdFIT	
	[,1]			SEREe11stdFIT	
ar1		0.2923481	Constant	SEREg11stdFIT	Constant
ar2		0.3059105	Constant	SEREg11stdFIT	Constant
ma1		0.221552	Constant	SEREg11stdFIT	Constant
ma2		0.2337449	Constant	SEREg11stdFIT	Constant
omega		0.2262862	Constant	SEREg11stdFIT	Constant
alpha1		0.8899153	Constant	SEREg11stdFIT	Constant
beta1		0.9011682	Constant	SEREg11stdFIT	Constant
gamma1		0.9012877	Constant	SEREg11stdFIT	Constant
shape		0.6294286	Constant	SEREg11stdFIT	Constant
>	nyblom(SEREe11norFIT)$IndividualStat			SEREg11stdFIT	
	[,1]			SEREg11stdFIT	
ar1		0.09822186	Constant	SEREe11norFIT	Constant
ar2		0.12061017	Constant	SEREe11norFIT	Constant
ma1		0.09072814	Constant	SEREe11norFIT	Constant
ma2		0.12216947	Constant	SEREe11norFIT	Constant
omega		0.35732412	Constant	SEREe11norFIT	Constant
alpha1		0.08479088	Constant	SEREe11norFIT	Constant
beta1		0.40002793	Constant	SEREe11norFIT	Constant
gamma1		0.27073322	Constant	SEREe11norFIT	Constant
>	nyblom(SEREe12norFIT)$IndividualStat			SEREe11norFIT	
	[,1]			SEREe11norFIT	
ar1		0.11255196	Constant	SEREe12norFIT	Constant
ar2		0.14155041	Constant	SEREe12norFIT	Constant
ma1		0.10447318	Constant	SEREe12norFIT	Constant
ma2		0.14013435	Constant	SEREe12norFIT	Constant
omega		0.40671945	Constant	SEREe12norFIT	Constant
alpha1		0.08563615	Constant	SEREe12norFIT	Constant
beta1		0.4545938	Constant	SEREe12norFIT	Constant
beta2		0.4524264	Constant	SEREe12norFIT	Constant
gamma1		0.27512812	Constant	SEREe12norFIT	Constant
>	nyblom(SEAEs11gedFIT)$IndividualStat			SEREe12norFIT	
	[,1]			SEREe12norFIT	
ar1		0.3080837	Constant	SEAEs11gedFIT	Constant
ar2		0.1821425	Constant	SEAEs11gedFIT	Constant
ma1		0.3150951	Constant	SEAEs11gedFIT	Constant
ma2		0.1947436	Constant	SEAEs11gedFIT	Constant
omega		0.8018378	Constant	SEAEs11gedFIT	Constant
alpha1		1.0627648	Constant	SEAEs11gedFIT	Constant
beta1		1.1066725	Constant	SEAEs11gedFIT	Constant
shape		0.7822577	Constant	SEAEs11gedFIT	Constant
>	nyblom(SEAEe11gedFIT)$IndividualStat			SEAEs11gedFIT	
	[,1]			SEAEs11gedFIT	
ar1		0.06993015	Constant	SEAEe11gedFIT	Not Constant
ar2		0.41379098	Constant	SEAEe11gedFIT	Not Constant
ma1		0.04425811	Not Constant	SEAEe11gedFIT	Not Constant
ma2		0.38452854	Constant	SEAEe11gedFIT	Not Constant
omega		1.21065966	Constant	SEAEe11gedFIT	Not Constant
alpha1		0.23682674	Constant	SEAEe11gedFIT	Not Constant
beta1		1.21522054	Constant	SEAEe11gedFIT	Not Constant
gamma1		0.08713821	Constant	SEAEe11gedFIT	Not Constant
shape		0.81453019	Constant	SEAEe11gedFIT	Not Constant
>	nyblom(SEAEe11norFIT)$IndividualStat			SEAEe11gedFIT	
	[,1]			SEAEe11gedFIT	
ar1		0.56863051	Constant	SEAEe11norFIT	Not Constant
ar2		0.04693015	Not Constant	SEAEe11norFIT	Not Constant
ma1		0.61218804	Constant	SEAEe11norFIT	Not Constant
ma2		0.04420226	Not Constant	SEAEe11norFIT	Not Constant
omega		0.37826241	Constant	SEAEe11norFIT	Not Constant
alpha1		0.21456769	Constant	SEAEe11norFIT	Not Constant
beta1		0.37911176	Constant	SEAEe11norFIT	Not Constant
gamma1		0.25371665	Constant	SEAEe11norFIT	Not Constant
>	nyblom(SEAEe12norFIT)$IndividualStat			SEAEe11norFIT	
	[,1]			SEAEe11norFIT	
ar1		0.57882397	Constant	SEAEe12norFIT	Constant
ar2		0.08111649	Constant	SEAEe12norFIT	Constant
ma1		0.53215546	Constant	SEAEe12norFIT	Constant
ma2		0.09666361	Constant	SEAEe12norFIT	Constant
omega		0.30217446	Constant	SEAEe12norFIT	Constant
alpha1		0.18042996	Constant	SEAEe12norFIT	Constant
beta1		0.30348991	Constant	SEAEe12norFIT	Constant
beta2		0.30090049	Constant	SEAEe12norFIT	Constant
gamma1		0.24252572	Constant	SEAEe12norFIT	Constant
>	nyblom(SESOe11gedFIT)$IndividualStat			SEAEe12norFIT	
	[,1]			SEAEe12norFIT	
ma1		0.09664493	Constant	SESOe11gedFIT	Not Constant
ma2		0.05210057	Constant	SESOe11gedFIT	Not Constant
omega		0.25320988	Constant	SESOe11gedFIT	Not Constant
alpha1		0.20873015	Constant	SESOe11gedFIT	Not Constant
beta1		0.25062844	Constant	SESOe11gedFIT	Not Constant
gamma1		0.04698598	Not Constant	SESOe11gedFIT	Not Constant
shape		0.06960112	Constant	SESOe11gedFIT	Not Constant
>	nyblom(SESOe11stdFIT)$IndividualStat			SESOe11gedFIT	Not Constant
	[,1]			SESOe11gedFIT	
ma1		0.06113482	Constant	SESOe11stdFIT	Not Constant
ma2		0.02384869	Not Constant	SESOe11stdFIT	Not Constant
omega		0.25850417	Constant	SESOe11stdFIT	Not Constant
alpha1		0.14661228	Constant	SESOe11stdFIT	Not Constant
beta1		0.25477347	Constant	SESOe11stdFIT	Not Constant

gamma1		0.04189868	Not Constant	SESOe11stdFIT	Not Constant
shape		0.18961808	Constant	SESOe11stdFIT	Not Constant
>	nyblom(SESOe12stdFIT)$IndividualStat			SESOe11stdFIT	
	[,1]			SESOe11stdFIT	
ma1		0.06932832	Constant	SESOe12stdFIT	Not Constant
ma2		0.02296805	Not Constant	SESOe12stdFIT	Not Constant
omega		0.21191696	Constant	SESOe12stdFIT	Not Constant
alpha1		0.12313455	Constant	SESOe12stdFIT	Not Constant
beta1		0.20813991	Constant	SESOe12stdFIT	Not Constant
beta2		0.20818653	Constant	SESOe12stdFIT	Not Constant
gamma1		0.0430106	Not Constant	SESOe12stdFIT	Not Constant
shape		0.16825071	Constant	SESOe12stdFIT	Not Constant
>	nyblom(SETEe11gedFIT)$IndividualStat			SESOe12stdFIT	
	[,1]			SESOe12stdFIT	
ma1		0.06459406	Constant	SETEe11gedFIT	Constant
ma2		0.07834367	Constant	SETEe11gedFIT	Constant
omega		0.22218627	Constant	SETEe11gedFIT	Constant
alpha1		0.15037044	Constant	SETEe11gedFIT	Constant
beta1		0.21465119	Constant	SETEe11gedFIT	Constant
gamma1		0.07278489	Constant	SETEe11gedFIT	Constant
shape		0.17355693	Constant	SETEe11gedFIT	Constant
>	nyblom(SETEe12gedFIT)$IndividualStat			SETEe11gedFIT	
	[,1]			SETEe11gedFIT	
ma1		0.08305216	Constant	SETEe12gedFIT	Constant
ma2		0.09393597	Constant	SETEe12gedFIT	Constant
omega		0.16772271	Constant	SETEe12gedFIT	Constant
alpha1		0.21252303	Constant	SETEe12gedFIT	Constant
beta1		0.16182462	Constant	SETEe12gedFIT	Constant
beta2		0.16189345	Constant	SETEe12gedFIT	Constant
gamma1		0.09673762	Constant	SETEe12gedFIT	Constant
shape		0.17166709	Constant	SETEe12gedFIT	Constant
>	nyblom(SETEs11stdFIT)$IndividualStat			SETEe12gedFIT	
	[,1]			SETEe12gedFIT	
ma1		0.05488788	Constant	SETEs11stdFIT	Constant
ma2		0.14056935	Constant	SETEs11stdFIT	Constant
omega		0.15573444	Constant	SETEs11stdFIT	Constant
alpha1		0.70903073	Constant	SETEs11stdFIT	Constant
beta1		0.40622402	Constant	SETEs11stdFIT	Constant
shape		0.35179087	Constant	SETEs11stdFIT	Constant
>	nyblom(SETEe11stdFIT)$IndividualStat			SETEs11stdFIT	
	[,1]			SETEs11stdFIT	
ma1		0.0535623	Constant	SETEe11stdFIT	Not Constant
ma2		0.10893285	Constant	SETEe11stdFIT	Not Constant
omega		0.19287114	Constant	SETEe11stdFIT	Not Constant
alpha1		0.18818131	Constant	SETEe11stdFIT	Not Constant
beta1		0.18092006	Constant	SETEe11stdFIT	Not Constant
gamma1		0.04597486	Not Constant	SETEe11stdFIT	Not Constant
shape		0.28976539	Constant	SETEe11stdFIT	Not Constant
>	nyblom(SETEe12stdFIT)$IndividualStat			SETEe11stdFIT	
	[,1]			SETEe11stdFIT	
ma1		0.04884079	Not Constant	SETEe12stdFIT	Not Constant
ma2		0.12807991	Constant	SETEe12stdFIT	Not Constant
omega		0.14731189	Constant	SETEe12stdFIT	Not Constant
alpha1		0.25804585	Constant	SETEe12stdFIT	Not Constant
beta1		0.13678396	Constant	SETEe12stdFIT	Not Constant
beta2		0.13683059	Constant	SETEe12stdFIT	Not Constant
gamma1		0.03397501	Not Constant	SETEe12stdFIT	Not Constant
shape		0.27200684	Constant	SETEe12stdFIT	Not Constant
>	nyblom(SETEe11norFIT)$IndividualStat			SETEe12stdFIT	
	[,1]			SETEe12stdFIT	
ma1		0.05396393	Constant	SETEe11norFIT	Not Constant
ma2		0.03647422	Not Constant	SETEe11norFIT	Not Constant
omega		0.20129751	Constant	SETEe11norFIT	Not Constant
alpha1		0.0636431	Constant	SETEe11norFIT	Not Constant
beta1		0.19814755	Constant	SETEe11norFIT	Not Constant
gamma1		0.1805323	Constant	SETEe11norFIT	Not Constant
>	nyblom(SEBEe12gedFIT)$IndividualStat			SETEe11norFIT	
	[,1]			SETEe11norFIT	
ar1		0.08825974	Constant	SEBEe12gedFIT	Constant
ar2		0.07184146	Constant	SEBEe12gedFIT	Constant
ar3		0.09005079	Constant	SEBEe12gedFIT	Constant
ma1		0.09622234	Constant	SEBEe12gedFIT	Constant
ma2		0.06769831	Constant	SEBEe12gedFIT	Constant
ma3		0.11154342	Constant	SEBEe12gedFIT	Constant
omega		0.68946975	Constant	SEBEe12gedFIT	Constant
alpha1		0.08659496	Constant	SEBEe12gedFIT	Constant
beta1		0.66893809	Constant	SEBEe12gedFIT	Constant
beta2		0.66873146	Constant	SEBEe12gedFIT	Constant
gamma1		0.06735036	Constant	SEBEe12gedFIT	Constant
shape		0.64168099	Constant	SEBEe12gedFIT	Constant
>	nyblom(SEBEe11stdFIT)$IndividualStat			SEBEe12gedFIT	
	[,1]			SEBEe12gedFIT	
ar1		0.15949727	Constant	SEBEe11stdFIT	Constant
ar2		0.09995691	Constant	SEBEe11stdFIT	Constant
ar3		0.06274533	Constant	SEBEe11stdFIT	Constant
ma1		0.13945467	Constant	SEBEe11stdFIT	Constant
ma2		0.09286896	Constant	SEBEe11stdFIT	Constant
ma3		0.06099473	Constant	SEBEe11stdFIT	Constant
omega		0.92610616	Constant	SEBEe11stdFIT	Constant
alpha1		0.11108292	Constant	SEBEe11stdFIT	Constant
beta1		0.90343726	Constant	SEBEe11stdFIT	Constant
gamma1		0.23668139	Constant	SEBEe11stdFIT	Constant
shape		0.99382333	Constant	SEBEe11stdFIT	Constant
>	nyblom(SEBEe12norFIT)$IndividualStat			SEBEe11stdFIT	
	[,1]			SEBEe11stdFIT	
ar1		0.04625745	Not Constant	SEBEe12norFIT	Not Constant
ar2		0.12434253	Constant	SEBEe12norFIT	Not Constant
ar3		0.13753143	Constant	SEBEe12norFIT	Not Constant
ma1		0.07089904	Constant	SEBEe12norFIT	Not Constant
ma2		0.10264327	Constant	SEBEe12norFIT	Not Constant
ma3		0.12860586	Constant	SEBEe12norFIT	Not Constant
omega		0.21416999	Constant	SEBEe12norFIT	Not Constant
alpha1		0.04770495	Not Constant	SEBEe12norFIT	Not Constant
beta1		0.19581227	Constant	SEBEe12norFIT	Not Constant
beta2		0.19594449	Constant	SEBEe12norFIT	Not Constant
gamma1		0.08467049	Constant	SEBEe12norFIT	Not Constant
>	nyblom(SEETe11gedFIT)$IndividualStat			SEBEe12norFIT	
	[,1]			SEBEe12norFIT	
ma1		0.09928657	Constant	SEETe11gedFIT	Constant
ma2		0.15337024	Constant	SEETe11gedFIT	Constant
omega		0.77344429	Constant	SEETe11gedFIT	Constant
alpha1		0.05910076	Constant	SEETe11gedFIT	Constant
beta1		0.76532115	Constant	SEETe11gedFIT	Constant
gamma1		0.0897853	Constant	SEETe11gedFIT	Constant
shape		0.06440877	Constant	SEETe11gedFIT	Constant
>	nyblom(SEETe12gedFIT)$IndividualStat			SEETe11gedFIT	
	[,1]			SEETe11gedFIT	
ma1		0.08810125	Constant	SEETe12gedFIT	Constant
ma2		0.23751931	Constant	SEETe12gedFIT	Constant
omega		0.58893994	Constant	SEETe12gedFIT	Constant
alpha1		0.14638206	Constant	SEETe12gedFIT	Constant
beta1		0.57534424	Constant	SEETe12gedFIT	Constant
beta2		0.57610467	Constant	SEETe12gedFIT	Constant
gamma1		0.10063795	Constant	SEETe12gedFIT	Constant
shape		0.07183505	Constant	SEETe12gedFIT	Constant
>	nyblom(SEETe11stdFIT)$IndividualStat			SEETe12gedFIT	
	[,1]			SEETe12gedFIT	
ma1		0.16312308	Constant	SEETe11stdFIT	Constant
ma2		0.217019	Constant	SEETe11stdFIT	Constant
omega		0.74041527	Constant	SEETe11stdFIT	Constant
alpha1		0.06555547	Constant	SEETe11stdFIT	Constant
beta1		0.71675888	Constant	SEETe11stdFIT	Constant
gamma1		0.2510867	Constant	SEETe11stdFIT	Constant
shape		0.53222001	Constant	SEETe11stdFIT	Constant
>	nyblom(SEETe12stdFIT)$IndividualStat			SEETe11stdFIT	
	[,1]			SEETe11stdFIT	
ma1		0.19542266	Constant	SEETe12stdFIT	Constant
ma2		0.20089516	Constant	SEETe12stdFIT	Constant
omega		0.5827974	Constant	SEETe12stdFIT	Constant
alpha1		0.07389716	Constant	SEETe12stdFIT	Constant
beta1		0.55558996	Constant	SEETe12stdFIT	Constant
beta2		0.55627602	Constant	SEETe12stdFIT	Constant
gamma1		0.2790779	Constant	SEETe12stdFIT	Constant
shape		0.44983116	Constant	SEETe12stdFIT	Constant
>	nyblom(SEETe11norFIT)$IndividualStat			SEETe12stdFIT	
	[,1]			SEETe12stdFIT	
ma1		0.2811593	Constant	SEETe11norFIT	Constant
ma2		0.0836876	Constant	SEETe11norFIT	Constant
omega		0.374546	Constant	SEETe11norFIT	Constant
alpha1		0.1322828	Constant	SEETe11norFIT	Constant
beta1		0.3925386	Constant	SEETe11norFIT	Constant
gamma1		0.2877786	Constant	SEETe11norFIT	Constant
>	nyblom(SEETe12norFIT)$IndividualStat			SEETe11norFIT	
	[,1]			SEETe11norFIT	
ma1		0.27656527	Constant	SEETe12norFIT	Constant
ma2		0.07533991	Constant	SEETe12norFIT	Constant
omega		0.29880388	Constant	SEETe12norFIT	Constant
alpha1		0.32681005	Constant	SEETe12norFIT	Constant
beta1		0.30226983	Constant	SEETe12norFIT	Constant
beta2		0.3025503	Constant	SEETe12norFIT	Constant
gamma1		0.18601141	Constant	SEETe12norFIT	Constant
>	nyblom(SECHe11gedFIT)$IndividualStat			SEETe12norFIT	
	[,1]			SEETe12norFIT	
ar1		0.05921857	Constant	SECHe11gedFIT	Not Constant
ar2		0.05347822	Constant	SECHe11gedFIT	Not Constant
ma1		0.06557444	Constant	SECHe11gedFIT	Not Constant
ma2		0.04271826	Not Constant	SECHe11gedFIT	Not Constant
ma3		0.02609675	Not Constant	SECHe11gedFIT	Not Constant

omega		0.47775677	Constant	SECHe11gedFIT	Not Constant
alpha1		0.12493081	Constant	SECHe11gedFIT	Not Constant
beta1		0.46350523	Constant	SECHe11gedFIT	Not Constant
gamma1		0.27609746	Constant	SECHe11gedFIT	Not Constant
shape		0.19051717	Constant	SECHe11gedFIT	Not Constant
>	nyblom(SECHe12gedFIT)$IndividualStat			SECHe11gedFIT	
	[,1]			SECHe11gedFIT	
ar1		0.03586835	Not Constant	SECHe12gedFIT	Not Constant
ar2		0.04863867	Not Constant	SECHe12gedFIT	Not Constant
ma1		0.03767437	Not Constant	SECHe12gedFIT	Not Constant
ma2		0.06128431	Constant	SECHe12gedFIT	Not Constant
ma3		0.17290016	Constant	SECHe12gedFIT	Not Constant
omega		0.36419063	Constant	SECHe12gedFIT	Not Constant
alpha1		0.24565051	Constant	SECHe12gedFIT	Not Constant
beta1		0.34741275	Constant	SECHe12gedFIT	Not Constant
beta2		0.3481943	Constant	SECHe12gedFIT	Not Constant
gamma1		0.14794705	Constant	SECHe12gedFIT	Not Constant
shape		0.21385495	Constant	SECHe12gedFIT	Not Constant
>	nyblom(SECHe11stdFIT)$IndividualStat			SECHe12gedFIT	
	[,1]			SECHe12gedFIT	
ar1		0.09902721	Constant	SECHe11stdFIT	Constant
ar2		0.07376651	Constant	SECHe11stdFIT	Constant
ma1		0.09152519	Constant	SECHe11stdFIT	Constant
ma2		0.10438051	Constant	SECHe11stdFIT	Constant
ma3		0.16552417	Constant	SECHe11stdFIT	Constant
omega		0.45067656	Constant	SECHe11stdFIT	Constant
alpha1		0.12571633	Constant	SECHe11stdFIT	Constant
beta1		0.4310188	Constant	SECHe11stdFIT	Constant
gamma1		0.13122197	Constant	SECHe11stdFIT	Constant
shape		0.62026439	Constant	SECHe11stdFIT	Constant
>	nyblom(SECHe12stdFIT)$IndividualStat			SECHe11stdFIT	
	[,1]			SECHe11stdFIT	
ar1		0.05228046	Constant	SECHe12stdFIT	Constant
ar2		0.08002761	Constant	SECHe12stdFIT	Constant
ma1		0.05021641	Constant	SECHe12stdFIT	Constant
ma2		0.08256725	Constant	SECHe12stdFIT	Constant
ma3		0.10838826	Constant	SECHe12stdFIT	Constant
omega		0.34639773	Constant	SECHe12stdFIT	Constant
alpha1		0.20456352	Constant	SECHe12stdFIT	Constant
beta1		0.32704354	Constant	SECHe12stdFIT	Constant
beta2		0.32804533	Constant	SECHe12stdFIT	Constant
gamma1		0.08099262	Constant	SECHe12stdFIT	Constant
shape		0.62499386	Constant	SECHe12stdFIT	Constant
>	nyblom(SECHe11norFIT)$IndividualStat			SECHe12stdFIT	
	[,1]			SECHe12stdFIT	
ar1		0.09388598	Constant	SECHe11norFIT	Not Constant
ar2		0.03856005	Not Constant	SECHe11norFIT	Not Constant
ma1		0.10204747	Constant	SECHe11norFIT	Not Constant
ma2		0.03777592	Not Constant	SECHe11norFIT	Not Constant
ma3		0.0620725	Constant	SECHe11norFIT	Not Constant
omega		0.37730771	Constant	SECHe11norFIT	Not Constant
alpha1		0.07966252	Constant	SECHe11norFIT	Not Constant
beta1		0.3730396	Constant	SECHe11norFIT	Not Constant
gamma1		0.12115766	Constant	SECHe11norFIT	Not Constant
>	nyblom(SECHe12norFIT)$IndividualStat			SECHe11norFIT	
	[,1]			SECHe11norFIT	
ar1		0.09018483	Constant	SECHe12norFIT	Not Constant
ar2		0.02948875	Not Constant	SECHe12norFIT	Not Constant
ma1		0.10736107	Constant	SECHe12norFIT	Not Constant
ma2		0.02825885	Not Constant	SECHe12norFIT	Not Constant
ma3		0.06548446	Constant	SECHe12norFIT	Not Constant
omega		0.30378946	Constant	SECHe12norFIT	Not Constant
alpha1		0.17710059	Constant	SECHe12norFIT	Not Constant
beta1		0.2956397	Constant	SECHe12norFIT	Not Constant
beta2		0.29584419	Constant	SECHe12norFIT	Not Constant
gamma1		0.10850682	Constant	SECHe12norFIT	Not Constant
>	nyblom(SECHe21norFIT)$IndividualStat			SECHe12norFIT	
	[,1]			SECHe12norFIT	
ar1		0.06581746	Constant	SECHe21norFIT	Constant
ar2		0.12808484	Constant	SECHe21norFIT	Constant
ma1		0.08194848	Constant	SECHe21norFIT	Constant
ma2		0.11353272	Constant	SECHe21norFIT	Constant
ma3		0.15435003	Constant	SECHe21norFIT	Constant
omega		0.38011581	Constant	SECHe21norFIT	Constant
alpha1		0.12108183	Constant	SECHe21norFIT	Constant
alpha2		0.07881185	Constant	SECHe21norFIT	Constant
beta1		0.37139196	Constant	SECHe21norFIT	Constant
gamma1		0.09170026	Constant	SECHe21norFIT	Constant
gamma2		0.07430508	Constant	SECHe21norFIT	Constant
>	nyblom(SEAPe11gedFIT)$IndividualStat			SECHe21norFIT	
	[,1]			SECHe21norFIT	
ar1		0.1227197	Constant	SEAPe11gedFIT	Constant
ar2		0.09981026	Constant	SEAPe11gedFIT	Constant
ar3		0.15407617	Constant	SEAPe11gedFIT	Constant
ma1		0.11633574	Constant	SEAPe11gedFIT	Constant
ma2		0.11263543	Constant	SEAPe11gedFIT	Constant
omega		0.35988881	Constant	SEAPe11gedFIT	Constant
alpha1		0.12672325	Constant	SEAPe11gedFIT	Constant
beta1		0.34714931	Constant	SEAPe11gedFIT	Constant
gamma1		0.13486922	Constant	SEAPe11gedFIT	Constant
shape		1.57612864	Constant	SEAPe11gedFIT	Constant
>	nyblom(SEAPe11stdFIT)$IndividualStat			SEAPe11gedFIT	
	[,1]			SEAPe11gedFIT	
ar1		0.16564284	Constant	SEAPe11stdFIT	Not Constant
ar2		0.03403932	Not Constant	SEAPe11stdFIT	Not Constant
ar3		0.11186583	Constant	SEAPe11stdFIT	Not Constant
ma1		0.14989388	Constant	SEAPe11stdFIT	Not Constant
ma2		0.0331182	Not Constant	SEAPe11stdFIT	Not Constant
omega		0.34691126	Constant	SEAPe11stdFIT	Not Constant
alpha1		0.15351417	Constant	SEAPe11stdFIT	Not Constant
beta1		0.33892789	Constant	SEAPe11stdFIT	Not Constant
gamma1		0.07388731	Constant	SEAPe11stdFIT	Not Constant
shape		0.96195962	Constant	SEAPe11stdFIT	Not Constant
>	nyblom(SEAPe12stdFIT)$IndividualStat			SEAPe11stdFIT	
	[,1]			SEAPe11stdFIT	
ar1		0.20144941	Constant	SEAPe12stdFIT	Not Constant
ar2		0.04160483	Not Constant	SEAPe12stdFIT	Not Constant
ar3		0.09229402	Constant	SEAPe12stdFIT	Not Constant
ma1		0.18125768	Constant	SEAPe12stdFIT	Not Constant
ma2		0.04073807	Not Constant	SEAPe12stdFIT	Not Constant
omega		0.29859862	Constant	SEAPe12stdFIT	Not Constant
alpha1		0.17633274	Constant	SEAPe12stdFIT	Not Constant
beta1		0.29131232	Constant	SEAPe12stdFIT	Not Constant
beta2		0.29323197	Constant	SEAPe12stdFIT	Not Constant
gamma1		0.07179653	Constant	SEAPe12stdFIT	Not Constant
shape		0.88298335	Constant	SEAPe12stdFIT	Not Constant
>	nyblom(SEAPe11norFIT)$IndividualStat			SEAPe12stdFIT	
	[,1]			SEAPe12stdFIT	
ar1		0.36007722	Constant	SEAPe11norFIT	Not Constant
ar2		0.06595537	Constant	SEAPe11norFIT	Not Constant
ar3		0.108434	Constant	SEAPe11norFIT	Not Constant
ma1		0.3026995	Constant	SEAPe11norFIT	Not Constant
ma2		0.06371517	Constant	SEAPe11norFIT	Not Constant
omega		0.09960289	Constant	SEAPe11norFIT	Not Constant
alpha1		0.02869658	Not Constant	SEAPe11norFIT	Not Constant
beta1		0.10139585	Constant	SEAPe11norFIT	Not Constant
gamma1		0.07934202	Constant	SEAPe11norFIT	Not Constant
>	nyblom(SEAPe12norFIT)$IndividualStat			SEAPe11norFIT	
	[,1]			SEAPe11norFIT	
ar1		0.43259491	Constant	SEAPe12norFIT	Not Constant
ar2		0.06925055	Constant	SEAPe12norFIT	Not Constant
ar3		0.11613803	Constant	SEAPe12norFIT	Not Constant
ma1		0.36352265	Constant	SEAPe12norFIT	Not Constant
ma2		0.06841583	Constant	SEAPe12norFIT	Not Constant
omega		0.07342178	Constant	SEAPe12norFIT	Not Constant
alpha1		0.03510523	Not Constant	SEAPe12norFIT	Not Constant
beta1		0.07405069	Constant	SEAPe12norFIT	Not Constant
beta2		0.07419657	Constant	SEAPe12norFIT	Not Constant
gamma1		0.08614858	Constant	SEAPe12norFIT	Not Constant
>	nyblom(BITCs11gedFIT)$IndividualStat			SEAPe12norFIT	
	[,1]			SEAPe12norFIT	
ar1		0.13225551	Constant	BITCs11gedFIT	Constant
ar2		0.186281	Constant	BITCs11gedFIT	Constant
ar3		0.16172684	Constant	BITCs11gedFIT	Constant
ma1		0.09196325	Constant	BITCs11gedFIT	Constant
ma2		0.17717368	Constant	BITCs11gedFIT	Constant
omega		0.40552057	Constant	BITCs11gedFIT	Constant
alpha1		0.33822867	Constant	BITCs11gedFIT	Constant
beta1		0.31179726	Constant	BITCs11gedFIT	Constant
shape		1.06491464	Constant	BITCs11gedFIT	Constant
>	nyblom(BITCs12gedFIT)$IndividualStat			BITCs11gedFIT	
	[,1]			BITCs11gedFIT	
ar1		0.1242692	Constant	BITCs12gedFIT	Constant
ar2		0.1491146	Constant	BITCs12gedFIT	Constant
ar3		0.1361694	Constant	BITCs12gedFIT	Constant
ma1		0.0748042	Constant	BITCs12gedFIT	Constant
ma2		0.1093442	Constant	BITCs12gedFIT	Constant
omega		0.3529891	Constant	BITCs12gedFIT	Constant
alpha1		0.3223486	Constant	BITCs12gedFIT	Constant
beta1		0.3051992	Constant	BITCs12gedFIT	Constant
beta2		0.3122236	Constant	BITCs12gedFIT	Constant
shape		1.0254379	Constant	BITCs12gedFIT	Constant
>	nyblom(BITCc12gedFIT)$IndividualStat			BITCs12gedFIT	
	[,1]			BITCs12gedFIT	
ar1		0.12739249	Constant	BITCc12gedFIT	Constant
ar2		0.15744912	Constant	BITCc12gedFIT	Constant
ar3		0.15197945	Constant	BITCc12gedFIT	Constant
ma1		0.07958421	Constant	BITCc12gedFIT	Constant

ma2		0.12337229	Constant	BITCc12gedFIT	Constant
omega		0.32669189	Constant	BITCc12gedFIT	Constant
alpha1		1.64657416	Constant	BITCc12gedFIT	Constant
beta1		0.53653133	Constant	BITCc12gedFIT	Constant
beta2		0.43735788	Constant	BITCc12gedFIT	Constant
eta11		0.82289629	Constant	BITCc12gedFIT	Constant
eta21		1.07373976	Constant	BITCc12gedFIT	Constant
shape		1.14341225	Constant	BITCc12gedFIT	Constant
>	nyblom(BITCe11norFIT)$IndividualStat			BITCc12gedFIT	
	[,1]			BITCc12gedFIT	
ar1		0.02087026	Not Constant	BITCe11norFIT	Not Constant
ar2		0.07785467	Constant	BITCe11norFIT	Not Constant
ar3		0.15363675	Constant	BITCe11norFIT	Not Constant
ma1		0.10506593	Constant	BITCe11norFIT	Not Constant
ma2		0.09292933	Constant	BITCe11norFIT	Not Constant
omega		0.29290754	Constant	BITCe11norFIT	Not Constant
alpha1		0.09126811	Constant	BITCe11norFIT	Not Constant
beta1		0.25011489	Constant	BITCe11norFIT	Not Constant
gamma1		0.09512218	Constant	BITCe11norFIT	Not Constant
>	nyblom(BITCe12norFIT)$IndividualStat			BITCe11norFIT	
	[,1]			BITCe11norFIT	
ar1		0.01491237	Not Constant	BITCe12norFIT	Not Constant
ar2		0.03022621	Not Constant	BITCe12norFIT	Not Constant
ar3		0.0185895	Not Constant	BITCe12norFIT	Not Constant
ma1		0.01521861	Not Constant	BITCe12norFIT	Not Constant
ma2		0.01560567	Not Constant	BITCe12norFIT	Not Constant
omega		0.15885024	Constant	BITCe12norFIT	Not Constant
alpha1		0.07043772	Constant	BITCe12norFIT	Not Constant
beta1		0.12919656	Constant	BITCe12norFIT	Not Constant
beta2		0.12949934	Constant	BITCe12norFIT	Not Constant
gamma1		0.20734342	Constant	BITCe12norFIT	Not Constant
>	nyblom(BITCc11norFIT)$IndividualStat			BITCe12norFIT	
	[,1]			BITCe12norFIT	
ar1		0.01837986	Not Constant	BITCc11norFIT	Not Constant
ar2		0.12674923	Constant	BITCc11norFIT	Not Constant
ar3		0.13651145	Constant	BITCc11norFIT	Not Constant
ma1		0.12978013	Constant	BITCc11norFIT	Not Constant
ma2		0.09375383	Constant	BITCc11norFIT	Not Constant
omega		0.0993397	Constant	BITCc11norFIT	Not Constant
alpha1		0.08575925	Constant	BITCc11norFIT	Not Constant
beta1		0.04013142	Not Constant	BITCc11norFIT	Not Constant
eta11		0.22012415	Constant	BITCc11norFIT	Not Constant
eta21		0.17216926	Constant	BITCc11norFIT	Not Constant
>	nyblom(LITCs11gedFIT)$IndividualStat			BITCc11norFIT	
	[,1]			BITCc11norFIT	
ar1		0.2145643	Constant	LITCs11gedFIT	Constant
ar2		0.2439307	Constant	LITCs11gedFIT	Constant
ma1		0.2145139	Constant	LITCs11gedFIT	Constant
ma2		0.2415523	Constant	LITCs11gedFIT	Constant
omega		0.3965203	Constant	LITCs11gedFIT	Constant
alpha1		0.3329902	Constant	LITCs11gedFIT	Constant
beta1		0.3555237	Constant	LITCs11gedFIT	Constant
shape		3.1914878	Constant	LITCs11gedFIT	Constant
>	nyblom(LITCc11gedFIT)$IndividualStat			LITCs11gedFIT	
	[,1]			LITCs11gedFIT	
ar1		0.08797318	Constant	LITCc11gedFIT	Constant
ar2		0.1411996	Constant	LITCc11gedFIT	Constant
ma1		0.07781924	Constant	LITCc11gedFIT	Constant
ma2		0.1224523	Constant	LITCc11gedFIT	Constant
omega		0.2053162	Constant	LITCc11gedFIT	Constant
alpha1		0.90882307	Constant	LITCc11gedFIT	Constant
beta1		0.69058058	Constant	LITCc11gedFIT	Constant
eta11		0.17826566	Constant	LITCc11gedFIT	Constant
eta21		0.09339283	Constant	LITCc11gedFIT	Constant
shape		2.2359985	Constant	LITCc11gedFIT	Constant
>	nyblom(LITCc12gedFIT)$IndividualStat			LITCc11gedFIT	
	[,1]			LITCc11gedFIT	
ar1		0.47676847	Constant	LITCc12gedFIT	Constant
ar2		0.30836292	Constant	LITCc12gedFIT	Constant
ma1		0.34344415	Constant	LITCc12gedFIT	Constant
ma2		0.31968633	Constant	LITCc12gedFIT	Constant
omega		0.08444401	Constant	LITCc12gedFIT	Constant
alpha1		0.79938744	Constant	LITCc12gedFIT	Constant
beta1		0.61993363	Constant	LITCc12gedFIT	Constant
beta2		0.56065145	Constant	LITCc12gedFIT	Constant
eta11		0.12657206	Constant	LITCc12gedFIT	Constant
eta21		0.07522997	Constant	LITCc12gedFIT	Constant
shape		2.21649696	Constant	LITCc12gedFIT	Constant
>	nyblom(LITCs11norFIT)$IndividualStat			LITCc12gedFIT	
	[,1]			LITCc12gedFIT	
ar1		0.10705728	Constant	LITCs11norFIT	Constant
ar2		0.14014195	Constant	LITCs11norFIT	Constant
ma1		0.07783117	Constant	LITCs11norFIT	Constant
ma2		0.16909002	Constant	LITCs11norFIT	Constant
omega		0.09401389	Constant	LITCs11norFIT	Constant
alpha1		0.07813672	Constant	LITCs11norFIT	Constant
beta1		0.1026229	Constant	LITCs11norFIT	Constant
>	nyblom(LITCe11norFIT)$IndividualStat			LITCs11norFIT	
	[,1]			LITCs11norFIT	
ar1		0.20612624	Constant	LITCe11norFIT	Not Constant
ar2		0.1500684	Constant	LITCe11norFIT	Not Constant
ma1		0.17810649	Constant	LITCe11norFIT	Not Constant
ma2		0.08432822	Constant	LITCe11norFIT	Not Constant
omega		0.18423748	Constant	LITCe11norFIT	Not Constant
alpha1		0.12608451	Constant	LITCe11norFIT	Not Constant
beta1		0.15189599	Constant	LITCe11norFIT	Not Constant
gamma1		0.03465236	Not Constant	LITCe11norFIT	Not Constant
>	nyblom(LITCe12norFIT)$IndividualStat			LITCe11norFIT	
	[,1]			LITCe11norFIT	
ar1		0.27986168	Constant	LITCe12norFIT	Not Constant
ar2		0.20506014	Constant	LITCe12norFIT	Not Constant
ma1		0.23443883	Constant	LITCe12norFIT	Not Constant
ma2		0.079376	Constant	LITCe12norFIT	Not Constant
omega		0.18880325	Constant	LITCe12norFIT	Not Constant
alpha1		0.12762551	Constant	LITCe12norFIT	Not Constant
beta1		0.15595523	Constant	LITCe12norFIT	Not Constant
beta2		0.15745076	Constant	LITCe12norFIT	Not Constant
gamma1		0.03601053	Not Constant	LITCe12norFIT	Not Constant
>	nyblom(LITCe21norFIT)$IndividualStat			LITCe12norFIT	
	[,1]			LITCe12norFIT	
ar1		0.15944778	Constant	LITCe21norFIT	Not Constant
ar2		0.08575464	Constant	LITCe21norFIT	Not Constant
ma1		0.08704464	Constant	LITCe21norFIT	Not Constant
ma2		0.05582414	Constant	LITCe21norFIT	Not Constant
omega		0.17541647	Constant	LITCe21norFIT	Not Constant
alpha1		0.10480449	Constant	LITCe21norFIT	Not Constant
alpha2		0.08914472	Constant	LITCe21norFIT	Not Constant
beta1		0.14368722	Constant	LITCe21norFIT	Not Constant
gamma1		0.03421898	Not Constant	LITCe21norFIT	Not Constant
gamma2		0.02928603	Not Constant	LITCe21norFIT	Not Constant
>	nyblom(LITCg11norFIT)$IndividualStat			LITCe21norFIT	
	[,1]			LITCe21norFIT	
ar1		0.14386971	Constant	LITCg11norFIT	Constant
ar2		0.14688313	Constant	LITCg11norFIT	Constant
ma1		0.09880418	Constant	LITCg11norFIT	Constant
ma2		0.11079071	Constant	LITCg11norFIT	Constant
omega		0.10415771	Constant	LITCg11norFIT	Constant
alpha1		0.0930728	Constant	LITCg11norFIT	Constant
beta1		0.10956578	Constant	LITCg11norFIT	Constant
gamma1		0.2306944	Constant	LITCg11norFIT	Constant
>	nyblom(LITCc11norFIT)$IndividualStat			LITCg11norFIT	
	[,1]			LITCg11norFIT	
ar1		0.18993611	Constant	LITCc11norFIT	Not Constant
ar2		0.20031973	Constant	LITCc11norFIT	Not Constant
ma1		0.13262673	Constant	LITCc11norFIT	Not Constant
ma2		0.13982982	Constant	LITCc11norFIT	Not Constant
omega		0.07771578	Constant	LITCc11norFIT	Not Constant
alpha1		0.10049567	Constant	LITCc11norFIT	Not Constant
beta1		0.12470925	Constant	LITCc11norFIT	Not Constant
eta11		0.01983817	Not Constant	LITCc11norFIT	Not Constant
eta21		0.07423243	Constant	LITCc11norFIT	Not Constant
>	nyblom(LITCc12norFIT)$IndividualStat			LITCc11norFIT	
	[,1]			LITCc11norFIT	
ar1		0.1902381	Constant	LITCc12norFIT	Not Constant
ar2		0.2102498	Constant	LITCc12norFIT	Not Constant
ma1		0.13273701	Constant	LITCc12norFIT	Not Constant
ma2		0.14617955	Constant	LITCc12norFIT	Not Constant
omega		0.07757904	Constant	LITCc12norFIT	Not Constant
alpha1		0.0991258	Constant	LITCc12norFIT	Not Constant
beta1		0.12466997	Constant	LITCc12norFIT	Not Constant
beta2		0.12025652	Constant	LITCc12norFIT	Not Constant
eta11		0.02020313	Not Constant	LITCc12norFIT	Not Constant
eta21		0.07448525	Constant	LITCc12norFIT	Not Constant
>	nyblom(GREXe11gedFIT)$IndividualStat			LITCc12norFIT	
	[,1]			LITCc12norFIT	
ar1		0.07364126	Constant	GREXe11gedFIT	Constant
ar2		0.14959997	Constant	GREXe11gedFIT	Constant
omega		0.3322877	Constant	GREXe11gedFIT	Constant
alpha1		0.14716031	Constant	GREXe11gedFIT	Constant
beta1		0.33537474	Constant	GREXe11gedFIT	Constant
gamma1		0.11322679	Constant	GREXe11gedFIT	Constant
shape		0.108054	Constant	GREXe11gedFIT	Constant
>	nyblom(GREXe12gedFIT)$IndividualStat			GREXe11gedFIT	
	[,1]			GREXe11gedFIT	
ar1		0.1141698	Constant	GREXe12gedFIT	Constant
ar2		1.0403348	Constant	GREXe12gedFIT	Constant
omega		0.3614755	Constant	GREXe12gedFIT	Constant
alpha1		0.2620174	Constant	GREXe12gedFIT	Constant

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beta1                                  0.2822594  Constant     GREXe12gedFIT   Constant
beta2                                  0.3514554  Constant     GREXe12gedFIT   Constant
gamma1                                 0.1637987  Constant     GREXe12gedFIT   Constant
shape                                  0.1078821  Constant     GREXe12gedFIT   Constant
>           nyblom(GREXe21gedFIT)$IndividualStat                GREXe12gedFIT
            [,1]                                                GREXe12gedFIT
ar1                                    0.07769862  Constant     GREXe21gedFIT   Not Constant
ar2                                     0.137335  Constant     GREXe21gedFIT   Not Constant
omega                                 0.13696533  Constant     GREXe21gedFIT   Not Constant
alpha1                                0.04591279  Not Constant GREXe21gedFIT   Not Constant
alpha2                                0.03655526  Not Constant GREXe21gedFIT   Not Constant
beta1                                 0.13615198  Constant     GREXe21gedFIT   Not Constant
gamma1                                  0.096662  Constant     GREXe21gedFIT   Not Constant
gamma2                                0.08201864  Constant     GREXe21gedFIT   Not Constant
shape                                 0.20380076  Constant     GREXe21gedFIT   Not Constant
>           nyblom(DAXPs11gedFIT)$IndividualStat                GREXe21gedFIT
            [,1]                                                GREXe21gedFIT
omega                                  1.2984076  Constant     DAXPs11gedFIT   Constant
alpha1                                 0.2250318  Constant     DAXPs11gedFIT   Constant
beta1                                  0.3417829  Constant     DAXPs11gedFIT   Constant
shape                                   0.410973  Constant     DAXPs11gedFIT   Constant
>           nyblom(DAXPs11stdFIT)$IndividualStat                DAXPs11gedFIT
            [,1]                                                DAXPs11gedFIT
omega                                  2.5251636  Constant     DAXPs11stdFIT   Constant
alpha1                                 0.1847445  Constant     DAXPs11stdFIT   Constant
beta1                                  0.1558251  Constant     DAXPs11stdFIT   Constant
shape                                  0.1614398  Constant     DAXPs11stdFIT   Constant
>           nyblom(DAXPs12norFIT)$IndividualStat                DAXPs11stdFIT
            [,1]                                                DAXPs11stdFIT
omega                                  4.7725273  Constant     DAXPs12norFIT   Constant
alpha1                                  0.430673  Constant     DAXPs12norFIT   Constant
beta1                                  0.6547817  Constant     DAXPs12norFIT   Constant
beta2                                  0.6670764  Constant     DAXPs12norFIT   Constant
>           nyblom(DAXPe11norFIT)$IndividualStat                DAXPs12norFIT
            [,1]                                                DAXPs12norFIT
omega                                  0.9558346  Constant     DAXPe11norFIT   Constant
alpha1                                 0.6018183  Constant     DAXPe11norFIT   Constant
beta1                                  0.9511044  Constant     DAXPe11norFIT   Constant
gamma1                                 0.2983785  Constant     DAXPe11norFIT   Constant
>           nyblom(DAXPg11norFIT)$IndividualStat                DAXPe11norFIT
            [,1]                                                DAXPe11norFIT
omega                                  4.5303601  Constant     DAXPg11norFIT   Constant
alpha1                                 0.5451293  Constant     DAXPg11norFIT   Constant
beta1                                  0.8250091  Constant     DAXPg11norFIT   Constant
gamma1                                 0.3258489  Constant     DAXPg11norFIT   Constant
>
```

SignBias

>	DJACe11gedFIT		
	t-value	prob	sig
Sign Bias	0.1819006	0.85568133	
Negative Sign Bias	2.7596224	0.00584577	***
Positive Sign Bias	2.1411129	0.03239963	**
Joint Effect	12.8554623	0.00495984	***
>	DJACe12gedFIT		
	t-value	prob	sig
Sign Bias	0.2662428	0.7900829	
Negative Sign Bias	1.4425104	0.1493334	
Positive Sign Bias	1.5283899	0.1265924	
Joint Effect	4.5790587	0.2053459	
>	DJACe11stdFIT		
	t-value	prob	sig
Sign Bias	0.047313	0.96226905	
Negative Sign Bias	2.916585	0.00358293	***
Positive Sign Bias	2.633752	0.00851745	***
Joint Effect	15.621657	0.00135558	***
>	DJACe12stdFIT		
	t-value	prob	sig
Sign Bias	0.160688	0.87235731	
Negative Sign Bias	1.845109	0.06518678	*
Positive Sign Bias	2.22903	0.02593562	**
Joint Effect	8.380352	0.03877147	**
>	DJACe11norFIT		
	t-value	prob	sig
Sign Bias	0.5009275	0.61648377	
Negative Sign Bias	3.3298405	0.00088661	***
Positive Sign Bias	2.4610776	0.01394581	**
Joint Effect	19.1662834	0.00025259	***
>	DJACe12norFIT		
	t-value	prob	sig
Sign Bias	0.5832623	0.55979023	
Negative Sign Bias	2.3352759	0.019639	**
Positive Sign Bias	2.0913645	0.03663606	**
Joint Effect	11.0166249	0.01163632	**
>	DJACe21norFIT		
	t-value	prob	sig
Sign Bias	0.7211029	0.4709404	
Negative Sign Bias	0.1730687	0.862617	
Positive Sign Bias	0.3113782	0.7555494	
Joint Effect	0.581166	0.9007301	
>	DJALs11gedFIT		
	t-value	prob	sig
Sign Bias	0.7664805	0.44349153	
Negative Sign Bias	0.7481776	0.45445131	
Positive Sign Bias	3.2410952	0.00121258	***
Joint Effect	11.3256062	0.01008941	**
>	DJALe11gedFIT		
	t-value	prob	sig
Sign Bias	1.011257	0.31202992	
Negative Sign Bias	1.639309	0.10132459	
Positive Sign Bias	3.381616	0.00073611	***
Joint Effect	14.264651	0.00256618	***
>	DJALe12gedFIT		
	t-value	prob	sig
Sign Bias	0.1506979	0.880231	
Negative Sign Bias	0.4246795	0.6711214	
Positive Sign Bias	0.8073016	0.4196	
Joint Effect	1.0210836	0.7961505	
>	DJALc11gedFIT		
	t-value	prob	sig
Sign Bias	1.183193	0.23688983	
Negative Sign Bias	3.062003	0.00223134	***
Positive Sign Bias	1.393179	0.16373855	
Joint Effect	11.492197	0.00934146	***
>	DJALe11stdFIT		
	t-value	prob	sig
Sign Bias	1.082381	0.27922889	
Negative Sign Bias	1.552738	0.12066261	
Positive Sign Bias	3.467466	0.00053781	***
Joint Effect	14.555059	0.0022392	***
>	DJALg11stdFIT		
	t-value	prob	sig
Sign Bias	0.6471619	0.51761014	
Negative Sign Bias	1.4875099	0.13705632	
Positive Sign Bias	2.978669	0.00293397	***
Joint Effect	11.0858384	0.01127066	**
>	DJALe11norFIT		
	t-value	prob	sig
Sign Bias	0.2513501	0.80157228	
Negative Sign Bias	2.392296	0.01684593	**
Positive Sign Bias	3.2994923	0.00098761	***
Joint Effect	16.6229748	0.00084481	***
>	DJALe12norFIT		
	t-value	prob	sig
Sign Bias	0.7072922	0.47947701	
Negative Sign Bias	1.7648707	0.07775601	*
Positive Sign Bias	2.4862911	0.01299882	**
Joint Effect	9.6647428	0.02164184	**
>	DJCCe11gedFIT		
	t-value	prob	sig
Sign Bias	0.3319589	0.73995914	
Negative Sign Bias	2.3979719	0.01658799	**
Positive Sign Bias	0.4282728	0.66850403	
Joint Effect	6.5587835	0.08737284	*
>	DJCCe12gedFIT		
	t-value	prob	sig
Sign Bias	0.3241224	0.7458832	
Negative Sign Bias	1.5597646	0.1189923	
Positive Sign Bias	0.241387	0.8092828	
Joint Effect	2.6428491	0.450027	
>	DJCCs11stdFIT		
	t-value	prob	sig
Sign Bias	0.05255466	0.9580926	
Negative Sign Bias	3.09662767	0.00198772	***
Positive Sign Bias	0.62481944	0.53216921	
Joint Effect	12.20757157	0.0067049	***
>	DJCCe11stdFIT		
	t-value	prob	sig
Sign Bias	0.3668431	0.71377941	
Negative Sign Bias	2.2518867	0.02445021	**
Positive Sign Bias	0.2365562	0.81302817	
Joint Effect	5.7409538	0.12491653	
>	DJCFe22gedFIT		
	t-value	prob	sig
Sign Bias	0.65983879	0.5094422	
Negative Sign Bias	0.03616163	0.9711575	
Positive Sign Bias	1.05252916	0.2926989	
Joint Effect	1.15711074	0.7633082	
>	DJCFe12gedFIT		
	t-value	prob	sig
Sign Bias	1.054033	0.2920101	
Negative Sign Bias	5.709334	1.3251E-08	***
Positive Sign Bias	2.246636	0.02478476	**
Joint Effect	38.192013	2.5739E-08	***
>	DJCFg21gedFIT		
	t-value	prob	sig
Sign Bias	0.0461045	0.9632321	
Negative Sign Bias	0.3764756	0.706608	
Positive Sign Bias	4.7171143	2.5776E-06	***
Joint Effect	29.3979999	1.8471E-06	***
>	DJCFe21stdFIT		
	t-value	prob	sig
Sign Bias	0.8411172	0.40039461	
Negative Sign Bias	0.4477807	0.65436568	
Positive Sign Bias	1.6979754	0.08968621	*
Joint Effect	3.2140468	0.35978599	
>	DJCFe11norFIT		
	t-value	prob	sig
Sign Bias	1.661907	0.09670661	*
Negative Sign Bias	5.718158	1.2592E-08	***
Positive Sign Bias	2.155523	0.03125389	**
Joint Effect	37.344595	3.8902E-08	***
>	DJCFe22norFIT		
	t-value	prob	sig
Sign Bias	1.3326594	0.1828132	
Negative Sign Bias	1.1939654	0.2326497	
Positive Sign Bias	0.4896974	0.6244081	
Joint Effect	2.1950504	0.5329239	
>	DJCFe12norFIT		
	t-value	prob	sig
Sign Bias	1.566847	0.1173271	
Negative Sign Bias	4.792622	1.7821E-06	***
Positive Sign Bias	1.419371	0.1559651	
Joint Effect	24.985001	1.5552E-05	***
>	DJCFe21norFIT		
	t-value	prob	sig
Sign Bias	1.3478632	0.1778729	
Negative Sign Bias	1.0064866	0.3143176	
Positive Sign Bias	0.5718618	0.5674874	
Joint Effect	2.0044667	0.5714801	
>	DJCFg22norFIT		
	t-value	prob	sig
Sign Bias	1.214656	0.22465765	
Negative Sign Bias	1.229884	0.21890232	
Positive Sign Bias	3.290704	0.00101879	***
Joint Effect	20.636883	0.00012523	***

>	DJCFg21norFIT		
	t-value	prob	sig
Sign Bias	1.043715	0.29675807	
Negative Sign Bias	1.105221	0.26921234	
Positive Sign Bias	3.161492	0.00159592	***
Joint Effect	18.234217	0.00039354	***
>	DJCPe22stdFIT		
	t-value	prob	sig
Sign Bias	0.008581665	0.99315386	
Negative Sign Bias	2.134517058	0.03293598	**
Positive Sign Bias	1.963662934	0.04972377	**
Joint Effect	8.439586899	0.03774889	**
>	DJCPe21stdFIT		
	t-value	prob	sig
Sign Bias	0.2339494	0.81505104	
Negative Sign Bias	1.6780057	0.09352055	*
Positive Sign Bias	1.9044366	0.05701351	*
Joint Effect	6.4833595	0.09032108	*
>	DJCTg21gedFIT		
	t-value	prob	sig
Sign Bias	0.65173611	0.51465509	
Negative Sign Bias	0.03679332	0.97065391	
Positive Sign Bias	3.56267176	0.00037671	***
Joint Effect	14.89756957	0.00190631	***
>	DJCTs12stdFIT		
	t-value	prob	sig
Sign Bias	0.3173778	0.75099393	
Negative Sign Bias	2.782565	0.00544972	***
Positive Sign Bias	2.6939196	0.00712768	***
Joint Effect	15.1757101	0.00167249	***
>	DJCTe12stdFIT		
	t-value	prob	sig
Sign Bias	0.2722856	0.7854338	
Negative Sign Bias	1.0653755	0.2868497	
Positive Sign Bias	1.013274	0.3110662	
Joint Effect	2.3040925	0.5117373	
>	DJCTe11norFIT		
	t-value	prob	sig
Sign Bias	0.6509487	0.51516317	
Negative Sign Bias	3.1815577	0.00148997	***
Positive Sign Bias	3.0082923	0.00266384	***
Joint Effect	20.0427359	0.00016632	***
>	DJCTe12norFIT		
	t-value	prob	sig
Sign Bias	0.6392268	0.52275719	
Negative Sign Bias	3.0552731	0.00228175	***
Positive Sign Bias	2.7047213	0.00690095	***
Joint Effect	17.7325872	0.00049939	***
>	DJCTg12norFIT		
	t-value	prob	sig
Sign Bias	0.4153271	0.67795224	
Negative Sign Bias	3.0342074	0.0024464	***
Positive Sign Bias	2.5911517	0.00964326	***
Joint Effect	16.5639236	0.00086873	***
>	DJNIs11stdFIT		
	t-value	prob	sig
Sign Bias	0.9746	0.3298904	
Negative Sign Bias	4.787096	1.8312E-06	***
Positive Sign Bias	1.629684	0.1033442	
Joint Effect	26.187057	8.7149E-06	***
>	DJNIe21stdFIT		
	t-value	prob	sig
Sign Bias	1.218736	0.22310509	
Negative Sign Bias	1.620292	0.10534571	
Positive Sign Bias	2.56948	0.01026546	**
Joint Effect	10.366377	0.01569528	**
>	DJNIe11norFIT		
	t-value	prob	sig
Sign Bias	0.5038257	0.61444589	
Negative Sign Bias	3.6256814	0.00029626	***
Positive Sign Bias	1.06971	0.2848941	
Joint Effect	15.4843754	0.0014462	***
>	DJNIe22norFIT		
	t-value	prob	sig
Sign Bias	0.37628588	0.706749	
Negative Sign Bias	0.11100671	0.9116235	
Positive Sign Bias	0.01059855	0.991576	
Joint Effect	0.21301778	0.9754609	
>	DJSIg12gedFIT		
	t-value	prob	sig
Sign Bias	0.08402324	0.93304735	
Negative Sign Bias	0.80823583	0.41906224	
Positive Sign Bias	2.61674106	0.00895208	***
Joint Effect	8.45874557	0.03742383	**
>	DJSIs11stdFIT		
	t-value	prob	sig
Sign Bias	0.2715027	0.78603572	
Negative Sign Bias	0.5371453	0.59123402	
Positive Sign Bias	3.5572654	0.00038449	***
Joint Effect	14.9954804	0.00182052	***
>	DJSIg11stdFIT		
	t-value	prob	sig
Sign Bias	0.006451135	0.99485349	
Negative Sign Bias	0.989606933	0.32250003	
Positive Sign Bias	3.061859479	0.0022324	***
Joint Effect	11.86369321	0.00786498	***
>	DJSIc11stdFIT		
	t-value	prob	sig
Sign Bias	0.1320224	0.8949814	
Negative Sign Bias	2.2969482	0.02173669	**
Positive Sign Bias	1.0031393	0.31592926	
Joint Effect	6.5578957	0.08740699	*
>	DJSUs11stdFIT		
	t-value	prob	sig
Sign Bias	0.6628862	0.50748881	
Negative Sign Bias	1.9798173	0.04787701	**
Positive Sign Bias	2.3570704	0.01852691	**
Joint Effect	10.7708561	0.01303172	**
>	DJSUe22stdFIT		
	t-value	prob	sig
Sign Bias	0.3383595	0.73513201	
Negative Sign Bias	2.1868889	0.02887967	**
Positive Sign Bias	2.1487354	0.03178915	**
Joint Effect	9.6205638	0.02208276	**
>	DJSUe21stdFIT		
	t-value	prob	sig
Sign Bias	0.5300855	0.5961184	
Negative Sign Bias	2.1029741	0.03560732	**
Positive Sign Bias	1.9373923	0.05285454	*
Joint Effect	8.8382444	0.03152065	**
>	DJSUg22stdFIT		
	t-value	prob	sig
Sign Bias	0.5122478	0.60854078	
Negative Sign Bias	0.7214069	0.47075343	
Positive Sign Bias	2.270546	0.02329285	**
Joint Effect	12.6447011	0.00547149	***
>	DJSUg21stdFIT		
	t-value	prob	sig
Sign Bias	0.5295584	0.59648379	
Negative Sign Bias	0.7221263	0.47031115	
Positive Sign Bias	2.2879442	0.0222569	**
Joint Effect	12.9126909	0.00482927	***
>	DJSUs12norFIT		
	t-value	prob	sig
Sign Bias	0.8891818	0.3740248	
Negative Sign Bias	1.5444669	0.122652	
Positive Sign Bias	1.5022294	0.1332143	
Joint Effect	5.9632943	0.1134098	
>	DJWEe11gedFIT		
	t-value	prob	sig
Sign Bias	0.1203981	0.90418129	
Negative Sign Bias	2.669953	0.00765481	***
Positive Sign Bias	2.8985564	0.00379449	***
Joint Effect	15.7504829	0.00127568	***
>	DJWEe12gedFIT		
	t-value	prob	sig
Sign Bias	0.3173183	0.7510391	
Negative Sign Bias	1.9833251	0.04748372	**
Positive Sign Bias	1.4776635	0.13967379	
Joint Effect	6.1530667	0.10439609	
>	DJWEe11stdFIT		
	t-value	prob	sig
Sign Bias	0.2108487	0.83302935	
Negative Sign Bias	2.5673685	0.01032794	**
Positive Sign Bias	2.7747602	0.00558164	***
Joint Effect	14.610612	0.00218154	***
>	DJWEe12stdFIT		
	t-value	prob	sig
Sign Bias	0.2535503	0.7998721	
Negative Sign Bias	1.8371144	0.0663587	*
Positive Sign Bias	1.3993833	0.1618713	
Joint Effect	5.3481032	0.1480113	
>	DJWEe11norFIT		
	t-value	prob	sig
Sign Bias	0.3283561	0.74268081	
Negative Sign Bias	2.46734	0.01370508	**
Positive Sign Bias	2.8160679	0.00491483	***
Joint Effect	14.7471686	0.00204597	***

>	DJWEe12norFIT		
	t-value	prob	sig
Sign Bias	0.4327221	0.66526878	
Negative Sign Bias	2.0837576	0.03732377	**
Positive Sign Bias	1.8049096	0.07125681	*
Joint Effect	7.8584963	0.0490285	**
>	DJWEg11norFIT		
	t-value	prob	sig
Sign Bias	0.6948187	0.48725911	
Negative Sign Bias	2.7583376	0.0058687	***
Positive Sign Bias	2.7853479	0.00540336	***
Joint Effect	16.695912	0.00081615	***
>	DJZIe22stdFIT		
	t-value	prob	sig
Sign Bias	1.420549	0.15562203	
Negative Sign Bias	2.383227	0.01726536	**
Positive Sign Bias	1.261639	0.20724293	
Joint Effect	8.23758	0.04134854	**
>	DJZIe21stdFIT		
	t-value	prob	sig
Sign Bias	1.470722	0.14154202	
Negative Sign Bias	2.447567	0.01447792	**
Positive Sign Bias	1.292456	0.196366	
Joint Effect	8.708693	0.0334255	**
>	DJZIs11norFIT		
	t-value	prob	sig
Sign Bias	0.9996763	0.3176023	
Negative Sign Bias	1.6781725	0.09348799	*
Positive Sign Bias	1.7880929	0.07393011	*
Joint Effect	8.2435335	0.04123781	**
>	DJZIe11norFIT		
	t-value	prob	sig
Sign Bias	1.131515	0.25799007	
Negative Sign Bias	1.301534	0.19324308	
Positive Sign Bias	1.812678	0.0700489	*
Joint Effect	6.918426	0.07454376	*
>	DJZIe12norFIT		
	t-value	prob	sig
Sign Bias	1.2107969	0.2261331	
Negative Sign Bias	0.7242668	0.4689966	
Positive Sign Bias	1.5774181	0.1148761	
Joint Effect	4.5269083	0.2099027	
>	DJZIg12norFIT		
	t-value	prob	sig
Sign Bias	1.155221	0.24815412	
Negative Sign Bias	1.007287	0.31393319	
Positive Sign Bias	2.074985	0.03813046	**
Joint Effect	6.452537	0.09155325	*
>	DJLHe11gedFIT		
	t-value	prob	sig
Sign Bias	0.2421676	0.8086781	
Negative Sign Bias	4.3129872	1.6984E-05	***
Positive Sign Bias	1.9090586	0.05641429	*
Joint Effect	25.2133449	1.3933E-05	***
>	DJLHe12gedFIT		
	t-value	prob	sig
Sign Bias	0.3622155	0.71723372	
Negative Sign Bias	2.6074692	0.00919723	***
Positive Sign Bias	1.0819372	0.27942618	
Joint Effect	9.87708	0.01964042	**
>	DJLHe11stdFIT		
	t-value	prob	sig
Sign Bias	0.2783209	0.7807982	
Negative Sign Bias	4.6715392	3.2125E-06	***
Positive Sign Bias	1.9734958	0.04859269	**
Joint Effect	29.4728296	1.7814E-06	***
>	DJLHe12stdFIT		
	t-value	prob	sig
Sign Bias	0.4628887	0.64350039	
Negative Sign Bias	2.5855218	0.00980157	***
Positive Sign Bias	0.9706841	0.33183674	
Joint Effect	10.0846495	0.01786012	**
>	DJLHe11norFIT		
	t-value	prob	sig
Sign Bias	0.3428007	0.7317887	
Negative Sign Bias	4.2197621	2.568E-05	***
Positive Sign Bias	2.2453416	0.02486783	**
Joint Effect	25.2692611	1.3563E-05	***
>	DJLHe12norFIT		
	t-value	prob	sig
Sign Bias	0.4729196	0.6363282	
Negative Sign Bias	2.9352526	0.00337524	***
Positive Sign Bias	1.8050735	0.07123116	*
Joint Effect	13.4095642	0.00382964	***
>	DJLHe21norFIT		
	t-value	prob	sig
Sign Bias	0.1887164	0.8503365	
Negative Sign Bias	0.7586456	0.4481645	
Positive Sign Bias	0.3743077	0.7082197	
Joint Effect	0.9328437	0.8174955	
>	DJNGe21stdFIT		
	t-value	prob	sig
Sign Bias	0.3829274	0.701819	
Negative Sign Bias	1.6316964	0.1029194	
Positive Sign Bias	0.39207	0.6950532	
Joint Effect	2.9603335	0.3977815	
>	DJNGe12norFIT		
	t-value	prob	sig
Sign Bias	0.2854229	0.7753532	
Negative Sign Bias	2.0379656	0.04170012	**
Positive Sign Bias	2.1054299	0.0353929	**
Joint Effect	8.8091954	0.03193831	**
>	DJPEe11gedFIT		
	t-value	prob	sig
Sign Bias	1.158212	0.24693208	
Negative Sign Bias	2.748725	0.00604284	***
Positive Sign Bias	2.695287	0.00709861	***
Joint Effect	16.893769	0.0007432	***
>	DJPEe12gedFIT		
	t-value	prob	sig
Sign Bias	1.219678	0.22274754	
Negative Sign Bias	1.84145	0.06572095	*
Positive Sign Bias	2.501136	0.0124683	**
Joint Effect	13.504627	0.0036632	***
>	DJPEe11stdFIT		
	t-value	prob	sig
Sign Bias	1.148968	0.25072274	
Negative Sign Bias	2.800553	0.00515633	***
Positive Sign Bias	2.599657	0.00940842	***
Joint Effect	16.393916	0.00094145	***
>	DJPEe12stdFIT		
	t-value	prob	sig
Sign Bias	1.206975	0.2276012	
Negative Sign Bias	2.076557	0.03798486	**
Positive Sign Bias	2.499041	0.01254196	**
Joint Effect	13.802139	0.00318723	***
>	DJPEe11norFIT		
	t-value	prob	sig
Sign Bias	1.123167	0.2615172	
Negative Sign Bias	2.793936	0.00526254	***
Positive Sign Bias	2.924957	0.00348839	***
Joint Effect	18.620515	0.00032751	***
>	DJPEe12norFIT		
	t-value	prob	sig
Sign Bias	1.169218	0.24247141	
Negative Sign Bias	1.876998	0.06068092	*
Positive Sign Bias	2.893218	0.00385928	***
Joint Effect	16.344621	0.00096364	***
>	DJSOe21gedFIT		
	t-value	prob	sig
Sign Bias	2.1618561	0.03076142	**
Negative Sign Bias	1.8549804	0.06376335	*
Positive Sign Bias	0.7297156	0.46565955	
Joint Effect	8.8743522	0.03100894	**
>	DJSOe21stdFIT		
	t-value	prob	sig
Sign Bias	2.192386	0.02848003	**
Negative Sign Bias	2.205546	0.0275425	**
Positive Sign Bias	1.195546	0.23203204	
Joint Effect	11.705985	0.00846129	***
>	DJSOe11norFIT		
	t-value	prob	sig
Sign Bias	1.8355866	0.06658463	*
Negative Sign Bias	1.6045635	0.10876631	
Positive Sign Bias	0.6860449	0.49277367	
Joint Effect	12.4693037	0.00593684	***
>	DJSOe22norFIT		
	t-value	prob	sig
Sign Bias	2.0058977	0.04501739	**
Negative Sign Bias	0.6620271	0.50803909	
Positive Sign Bias	0.9569054	0.33874422	
Joint Effect	4.1415521	0.24657917	
>	DJSOe21norFIT		
	t-value	prob	sig
Sign Bias	2.0333553	0.0421639	**
Negative Sign Bias	0.6859088	0.4928594	
Positive Sign Bias	0.9945717	0.320079	
Joint Effect	4.2382892	0.2368563	

>	SEFPs11gedFIT		
	t-value	prob	sig
Sign Bias	1.5246656	0.12751917	
Negative Sign Bias	1.1022662	0.27049414	
Positive Sign Bias	0.3798208	0.7041235	
Joint Effect	7.5548738	0.05616515	*
>	SEFPe11gedFIT		
	t-value	prob	sig
Sign Bias	1.1775219	0.2391438	
Negative Sign Bias	0.1686344	0.8661033	
Positive Sign Bias	1.1771532	0.2392909	
Joint Effect	2.3176824	0.5091419	
>	SEFPe12gedFIT		
	t-value	prob	sig
Sign Bias	1.2755087	0.2022947	
Negative Sign Bias	1.1045622	0.2694978	
Positive Sign Bias	0.7420749	0.4581393	
Joint Effect	2.0712299	0.557755	
>	SEFPe11stdFIT		
	t-value	prob	sig
Sign Bias	1.3943702	0.1633789	
Negative Sign Bias	0.3275666	0.7432777	
Positive Sign Bias	0.8687145	0.3851198	
Joint Effect	2.1119845	0.549492	
>	SEFPe12stdFIT		
	t-value	prob	sig
Sign Bias	1.54832438	0.12172099	
Negative Sign Bias	1.85142971	0.06427236	*
Positive Sign Bias	0.09387135	0.92522186	
Joint Effect	4.1311582	0.24764527	
>	SEFPs11norFIT		
	t-value	prob	sig
Sign Bias	1.6524363	0.09862102	*
Negative Sign Bias	1.4877851	0.13698371	
Positive Sign Bias	0.5397657	0.58942576	
Joint Effect	10.4594856	0.01503826	**
>	SEFPe11norFIT		
	t-value	prob	sig
Sign Bias	1.380638	0.1675627	
Negative Sign Bias	0.5466674	0.5846754	
Positive Sign Bias	1.3588808	0.1743556	
Joint Effect	3.9596653	0.2658526	
>	SEFPe12norFIT		
	t-value	prob	sig
Sign Bias	1.3922835	0.1640095	
Negative Sign Bias	0.1122445	0.9106421	
Positive Sign Bias	1.3942972	0.1634009	
Joint Effect	2.8020071	0.4231696	
>	SEECs11gedFIT		
	t-value	prob	sig
Sign Bias	0.1116728	0.9110954	
Negative Sign Bias	1.6345632	0.1023165	
Positive Sign Bias	1.2332119	0.2176586	
Joint Effect	4.3141441	0.2294795	
>	SEECe11gedFIT		
	t-value	prob	sig
Sign Bias	0.1213707	0.90341107	
Negative Sign Bias	0.6914988	0.48934178	
Positive Sign Bias	1.7882472	0.07390522	*
Joint Effect	4.4184476	0.21968095	
>	SEECe12gedFIT		
	t-value	prob	sig
Sign Bias	0.2419544	0.80884323	
Negative Sign Bias	0.5503437	0.58215234	
Positive Sign Bias	1.7839851	0.07459543	*
Joint Effect	4.704483	0.19476013	
>	SEECe12stdFIT		
	t-value	prob	sig
Sign Bias	0.07549149	0.9398321	
Negative Sign Bias	0.29463836	0.76830432	
Positive Sign Bias	1.93582237	0.05304675	*
Joint Effect	5.1013528	0.16452427	
>	SEECs12norFIT		
	t-value	prob	sig
Sign Bias	0.1731585	0.8625464	
Negative Sign Bias	1.2216337	0.222007	
Positive Sign Bias	0.7784499	0.4364067	
Joint Effect	2.3157804	0.5095045	
>	SEECe12norFIT		
	t-value	prob	sig
Sign Bias	0.2229894	0.8235692	
Negative Sign Bias	0.7885787	0.4304627	
Positive Sign Bias	1.4626022	0.1437518	
Joint Effect	3.3134952	0.3457688	
>	SEFLe11gedFIT		
	t-value	prob	sig
Sign Bias	2.1775721	0.02956811	**
Negative Sign Bias	0.9008366	0.3677964	
Positive Sign Bias	5.3205862	1.1645E-07	***
Joint Effect	29.1450113	2.0877E-06	***
>	SEFLg11gedFIT		
	t-value	prob	sig
Sign Bias	2.6177612	0.00892547	***
Negative Sign Bias	0.5089885	0.610823	
Positive Sign Bias	5.3013364	1.2886E-07	***
Joint Effect	28.5995992	2.718E-06	***
>	SEFLe11norFIT		
	t-value	prob	sig
Sign Bias	2.186792	0.02888672	**
Negative Sign Bias	1.020207	0.3077681	
Positive Sign Bias	4.690876	2.9266E-06	***
Joint Effect	23.401434	3.3304E-05	***
>	SEFLe12norFIT		
	t-value	prob	sig
Sign Bias	2.2788566	0.02279289	**
Negative Sign Bias	0.3282301	0.74277607	
Positive Sign Bias	3.7497027	0.00018267	***
Joint Effect	14.9683706	0.00184388	***
>	SEUTe11gedFIT		
	t-value	prob	sig
Sign Bias	0.2168379	0.8283594	
Negative Sign Bias	1.5899112	0.1120314	
Positive Sign Bias	1.3959746	0.1628952	
Joint Effect	4.6660632	0.1979476	
>	SEUTe12gedFIT		
	t-value	prob	sig
Sign Bias	0.1951164	0.845324	
Negative Sign Bias	0.8301061	0.4065895	
Positive Sign Bias	1.4066058	0.1597179	
Joint Effect	2.6712638	0.4451328	
>	SEUTc11gedFIT		
	t-value	prob	sig
Sign Bias	0.7579709	0.4485682	
Negative Sign Bias	0.6555635	0.5121893	
Positive Sign Bias	1.0307802	0.3027832	
Joint Effect	2.9290735	0.4026904	
>	SEUTe11stdFIT		
	t-value	prob	sig
Sign Bias	0.1717991	0.8636149	
Negative Sign Bias	1.4793764	0.1392157	
Positive Sign Bias	1.3122198	0.1896142	
Joint Effect	4.0369225	0.2575047	
>	SEUTc11stdFIT		
	t-value	prob	sig
Sign Bias	0.7810095	0.4349002	
Negative Sign Bias	0.6743007	0.5002072	
Positive Sign Bias	0.9952045	0.3197713	
Joint Effect	2.8740172	0.4114598	
>	SEUTe11norFIT		
	t-value	prob	sig
Sign Bias	0.385185	0.70014612	
Negative Sign Bias	1.763364	0.07800975	*
Positive Sign Bias	1.364611	0.17254675	
Joint Effect	5.590901	0.1333017	
>	SEUTe12norFIT		
	t-value	prob	sig
Sign Bias	0.3029781	0.7619418	
Negative Sign Bias	1.0549661	0.2915832	
Positive Sign Bias	1.3323982	0.182899	
Joint Effect	2.954172	0.3987451	
>	SETRe11gedFIT		
	t-value	prob	sig
Sign Bias	1.040086	0.2984405	
Negative Sign Bias	2.15367	0.03139925	**
Positive Sign Bias	5.227179	1.9226E-07	***
Joint Effect	32.596551	3.9177E-07	***
>	SETRs12norFIT		
	t-value	prob	sig
Sign Bias	1.397619	0.16240066	
Negative Sign Bias	2.764369	0.00576176	***
Positive Sign Bias	2.060189	0.03952471	**
Joint Effect	16.72915	0.00080342	***
>	SETRe11norFIT		
	t-value	prob	sig
Sign Bias	1.639387	0.1013084	
Negative Sign Bias	2.359395	0.01841162	**
Positive Sign Bias	4.833761	1.4542E-06	***
Joint Effect	29.132002	2.1009E-06	***

>	SETRe12norFIT		
	t-value	prob	sig
Sign Bias	1.411983	0.1581289	
Negative Sign Bias	1.52241	0.128083	
Positive Sign Bias	4.270826	2.0497E-05	***
Joint Effect	20.558837	0.00012999	***
>	SETRg12norFIT		
	t-value	prob	sig
Sign Bias	1.770844	0.07675687	*
Negative Sign Bias	1.252958	0.21038449	
Positive Sign Bias	3.555133	0.0003876	***
Joint Effect	14.842501	0.00195631	***
>	SEMOe11gedFIT		
	t-value	prob	sig
Sign Bias	0.2124432	0.83178549	
Negative Sign Bias	2.5672289	0.01033209	**
Positive Sign Bias	1.9232016	0.0546132	*
Joint Effect	10.7933194	0.01289762	**
>	SEMOe12gedFIT		
	t-value	prob	sig
Sign Bias	0.1824588	0.8552433	
Negative Sign Bias	1.2097094	0.2265501	
Positive Sign Bias	1.368458	0.1713405	
Joint Effect	3.4233929	0.3308346	
>	SEMOe11stdFIT		
	t-value	prob	sig
Sign Bias	0.1649962	0.8689656	
Negative Sign Bias	2.3701835	0.01788472	**
Positive Sign Bias	1.7486297	0.08052647	*
Joint Effect	9.0740557	0.02832231	**
>	SEMOe11norFIT		
	t-value	prob	sig
Sign Bias	0.2611542	0.79400367	
Negative Sign Bias	2.9625076	0.00309168	***
Positive Sign Bias	2.1420791	0.0323217	**
Joint Effect	14.1826593	0.00266678	***
>	SEOGe11gedFIT		
	t-value	prob	sig
Sign Bias	1.123366	0.26143269	
Negative Sign Bias	2.098239	0.03602389	**
Positive Sign Bias	3.257184	0.00114629	***
Joint Effect	15.846536	0.00121916	***
>	SEOGe12gedFIT		
	t-value	prob	sig
Sign Bias	1.1242802	0.26104493	
Negative Sign Bias	0.7157118	0.47426266	
Positive Sign Bias	3.2337741	0.00124391	***
Joint Effect	10.9829246	0.01181857	**
>	SEOGe11stdFIT		
	t-value	prob	sig
Sign Bias	1.402155	0.16104249	
Negative Sign Bias	1.994212	0.04628033	**
Positive Sign Bias	3.753861	0.00017969	***
Joint Effect	18.929182	0.00028277	***
>	SEOGe11norFIT		
	t-value	prob	sig
Sign Bias	1.419678	0.15587554	
Negative Sign Bias	2.195398	0.02826303	**
Positive Sign Bias	3.00142	0.00272441	***
Joint Effect	15.93997	0.00116658	***
>	SEOGe12norFIT		
	t-value	prob	sig
Sign Bias	1.357706	0.17472799	
Negative Sign Bias	1.052156	0.29286986	
Positive Sign Bias	2.930991	0.00342167	***
Joint Effect	10.255933	0.01651133	**
>	SEOGe21norFIT		
	t-value	prob	sig
Sign Bias	1.5051141	0.1324712	
Negative Sign Bias	0.7227988	0.4698979	
Positive Sign Bias	1.0396527	0.2986417	
Joint Effect	2.473763	0.4800514	
>	SEOEe11gedFIT		
	t-value	prob	sig
Sign Bias	0.7928331	0.4279801	
Negative Sign Bias	2.1458707	0.03201742	**
Positive Sign Bias	4.1227963	3.9142E-05	***
Joint Effect	21.6543517	7.6975E-05	***
>	SEOEe12gedFIT		
	t-value	prob	sig
Sign Bias	0.6347822	0.52565157	
Negative Sign Bias	1.1694756	0.24236778	
Positive Sign Bias	3.4299059	0.00061749	***
Joint Effect	13.5065225	0.00365995	***
>	SEOEe11stdFIT		
	t-value	prob	sig
Sign Bias	0.8271537	0.4082602	
Negative Sign Bias	2.063581	0.03920133	**
Positive Sign Bias	4.0839878	4.6222E-05	***
Joint Effect	20.975506	0.00010652	***
>	SEOEe11norFIT		
	t-value	prob	sig
Sign Bias	0.6969228	0.4859416	
Negative Sign Bias	2.1230144	0.03388954	**
Positive Sign Bias	4.2718145	2.0407E-05	***
Joint Effect	22.9717078	4.0935E-05	***
>	SEOEe12norFIT		
	t-value	prob	sig
Sign Bias	0.713212	0.4758076	
Negative Sign Bias	1.40702	0.1595949	
Positive Sign Bias	4.030234	5.8056E-05	***
Joint Effect	18.780169	0.00030356	***
>	SEAls11gedFIT		
	t-value	prob	sig
Sign Bias	1.3943361	0.16338916	
Negative Sign Bias	0.6318861	0.52754197	
Positive Sign Bias	2.9338078	0.00339092	***
Joint Effect	9.0870731	0.02815533	**
>	SEAle11gedFIT		
	t-value	prob	sig
Sign Bias	1.0267174	0.30469228	
Negative Sign Bias	0.4269937	0.66943529	
Positive Sign Bias	3.0200235	0.00256331	***
Joint Effect	9.4544633	0.02382076	**
>	SEAle12gedFIT		
	t-value	prob	sig
Sign Bias	1.00958998	0.31282822	
Negative Sign Bias	0.01965197	0.98432319	
Positive Sign Bias	2.67910375	0.00744955	***
Joint Effect	7.36248646	0.06119906	*
>	SEAle11stdFIT		
	t-value	prob	sig
Sign Bias	1.0141324	0.31065664	
Negative Sign Bias	0.2649821	0.79105377	
Positive Sign Bias	3.1623311	0.00159135	***
Joint Effect	10.45612	0.01506153	**
>	SEAls11norFIT		
	t-value	prob	sig
Sign Bias	1.6996504	0.08937044	*
Negative Sign Bias	0.4200237	0.67451857	
Positive Sign Bias	3.0433332	0.00237378	***
Joint Effect	9.6593243	0.02169545	**
>	SEAls12norFIT		
	t-value	prob	sig
Sign Bias	1.387584	0.16543646	
Negative Sign Bias	0.2757786	0.78274994	
Positive Sign Bias	2.529654	0.01150269	**
Joint Effect	6.5789973	0.08659857	*
>	SEAle11norFIT		
	t-value	prob	sig
Sign Bias	1.1639818	0.24458649	
Negative Sign Bias	0.8666669	0.38624072	
Positive Sign Bias	2.9624065	0.00309269	***
Joint Effect	9.5355441	0.02295622	**
>	SEAlc12norFIT		
	t-value	prob	sig
Sign Bias	1.6030675	0.10909617	
Negative Sign Bias	0.1679019	0.86667943	
Positive Sign Bias	2.6254111	0.00872814	***
Joint Effect	7.1531999	0.0671718	*
>	SEISe11gedFIT		
	t-value	prob	sig
Sign Bias	0.5701413	0.56865343	
Negative Sign Bias	3.0266473	0.00250809	***
Positive Sign Bias	1.8421898	0.0656127	*
Joint Effect	12.5709683	0.00566255	***
>	SEISe12gedFIT		
	t-value	prob	sig
Sign Bias	0.7039886	0.4815314	
Negative Sign Bias	1.3042898	0.1923025	
Positive Sign Bias	1.3550621	0.1755687	
Joint Effect	4.3457675	0.226467	
>	SEISe21gedFIT		
	t-value	prob	sig
Sign Bias	0.7181183	0.472778	
Negative Sign Bias	0.4581123	0.6469274	
Positive Sign Bias	1.4197138	0.1558651	
Joint Effect	2.3924776	0.4950364	

>	SEISe11stdFIT		
	t-value	prob	sig
Sign Bias	0.1330451	0.8941727	
Negative Sign Bias	2.7494979	0.00602867	***
Positive Sign Bias	2.1273007	0.03353149	**
Joint Effect	12.2202883	0.00666541	***
>	SEISe12stdFIT		
	t-value	prob	sig
Sign Bias	0.2985625	0.7653086	
Negative Sign Bias	0.9725861	0.3308905	
Positive Sign Bias	1.5547311	0.1201869	
Joint Effect	3.8423605	0.2789972	
>	SEISe11norFIT		
	t-value	prob	sig
Sign Bias	0.08607994	0.9314125	
Negative Sign Bias	3.34921592	0.00082723	***
Positive Sign Bias	2.00505268	0.04510773	**
Joint Effect	16.05798457	0.00110336	***
>	SEISe22norFIT		
	t-value	prob	sig
Sign Bias	0.0897708	0.9284794	
Negative Sign Bias	0.4040835	0.6861996	
Positive Sign Bias	0.4462351	0.6554814	
Joint Effect	0.3775591	0.9448382	
>	SEISe12norFIT		
	t-value	prob	sig
Sign Bias	0.09702463	0.92271769	
Negative Sign Bias	1.80772317	0.07081739	*
Positive Sign Bias	1.86906868	0.06177645	*
Joint Effect	6.7652843	0.07976741	*
>	SEISe21norFIT		
	t-value	prob	sig
Sign Bias	0.1026482	0.9182537	
Negative Sign Bias	0.3705005	0.7110534	
Positive Sign Bias	0.4266638	0.6696755	
Joint Effect	0.3421244	0.9519207	
>	SEISg11norFIT		
	t-value	prob	sig
Sign Bias	0.3189203	0.7498242	
Negative Sign Bias	2.9557497	0.00315988	***
Positive Sign Bias	1.9522758	0.05106117	*
Joint Effect	14.0294443	0.00286535	***
>	SEISg12norFIT		
	t-value	prob	sig
Sign Bias	0.3111992	0.75568547	
Negative Sign Bias	1.6203197	0.10533976	
Positive Sign Bias	1.6887341	0.09144457	*
Joint Effect	5.7033176	0.12697125	
>	SEREe11gedFIT		
	t-value	prob	sig
Sign Bias	0.767903	0.44264611	
Negative Sign Bias	0.5187205	0.60401976	
Positive Sign Bias	2.3211584	0.02039012	**
Joint Effect	5.7041162	0.12692732	
>	SEREe11stdFIT		
	t-value	prob	sig
Sign Bias	0.8499387	0.39547283	
Negative Sign Bias	0.4277796	0.66886305	
Positive Sign Bias	2.5236154	0.01170142	**
Joint Effect	6.624763	0.08486991	*
>	SEREg11stdFIT		
	t-value	prob	sig
Sign Bias	1.0385739	0.29914324	
Negative Sign Bias	0.3891002	0.69724831	
Positive Sign Bias	2.4908465	0.01283393	**
Joint Effect	6.3568038	0.09548414	*
>	SEREe11norFIT		
	t-value	prob	sig
Sign Bias	1.4650185	0.14309149	
Negative Sign Bias	0.5618899	0.5742614	
Positive Sign Bias	2.4329907	0.01507204	**
Joint Effect	6.6011172	0.08575886	*
>	SEREe12norFIT		
	t-value	prob	sig
Sign Bias	1.42314523	0.15486832	
Negative Sign Bias	0.02425509	0.98065184	
Positive Sign Bias	2.05537316	0.03998777	**
Joint Effect	4.50202906	0.21210937	
>	SEAEs11gedFIT		
	t-value	prob	sig
Sign Bias	1.052138	0.29287805	
Negative Sign Bias	2.528019	0.01155619	**
Positive Sign Bias	2.521347	0.01177686	**
Joint Effect	14.586216	0.00220668	***
>	SEAEe11gedFIT		
	t-value	prob	sig
Sign Bias	0.9142492	0.36070903	
Negative Sign Bias	1.2633099	0.20664234	
Positive Sign Bias	2.9077761	0.00368492	***
Joint Effect	10.1100966	0.01765309	**
>	SEAEe11norFIT		
	t-value	prob	sig
Sign Bias	0.9496288	0.34242907	
Negative Sign Bias	1.0517587	0.29305222	
Positive Sign Bias	2.1991837	0.02799235	**
Joint Effect	6.2716955	0.09911444	*
>	SEAEe12norFIT		
	t-value	prob	sig
Sign Bias	0.7645082	0.4446652	
Negative Sign Bias	0.5809649	0.55595916	
Positive Sign Bias	2.0036475	0.04525831	**
Joint Effect	4.3892506	0.22238418	
>	SESOe11gedFIT		
	t-value	prob	sig
Sign Bias	0.5129441	0.60805371	
Negative Sign Bias	1.3451939	0.17873302	
Positive Sign Bias	3.330557	0.00088434	***
Joint Effect	13.3041883	0.0040229	***
>	SESOe11stdFIT		
	t-value	prob	sig
Sign Bias	0.6175239	0.53696779	
Negative Sign Bias	1.1455495	0.25213472	
Positive Sign Bias	3.4647162	0.0005433	***
Joint Effect	13.8252425	0.00315294	***
>	SESOe12stdFIT		
	t-value	prob	sig
Sign Bias	0.5616986	0.57439173	
Negative Sign Bias	0.4571124	0.64764574	
Positive Sign Bias	3.437915	0.00059963	***
Joint Effect	13.4822004	0.00370181	***
>	SETEe11gedFIT		
	t-value	prob	sig
Sign Bias	0.0546567	0.95641806	
Negative Sign Bias	2.411715	0.01597778	**
Positive Sign Bias	3.1974671	0.00141062	***
Joint Effect	16.2326053	0.00101602	***
>	SETEe12gedFIT		
	t-value	prob	sig
Sign Bias	0.0337126	0.97311009	
Negative Sign Bias	1.1843009	0.2364512	
Positive Sign Bias	2.9225285	0.00351558	***
Joint Effect	11.0805727	0.01129807	**
>	SETEs11stdFIT		
	t-value	prob	sig
Sign Bias	0.08833162	0.929623	
Negative Sign Bias	4.56352088	5.3724E-06	***
Positive Sign Bias	2.34125151	0.01932842	**
Joint Effect	29.33169274	1.9073E-06	***
>	SETEe11stdFIT		
	t-value	prob	sig
Sign Bias	0.1579805	0.87448995	
Negative Sign Bias	2.4154836	0.01581393	**
Positive Sign Bias	2.9294916	0.00343814	***
Joint Effect	14.5916226	0.00220108	***
>	SETEe12stdFIT		
	t-value	prob	sig
Sign Bias	0.0959422	0.92357722	
Negative Sign Bias	1.1189254	0.26332209	
Positive Sign Bias	2.7372703	0.00625642	***
Joint Effect	9.9254567	0.01921053	**
>	SETEe11norFIT		
	t-value	prob	sig
Sign Bias	0.2029764	0.83917657	
Negative Sign Bias	2.8713307	0.00413556	***
Positive Sign Bias	3.046657	0.00234783	***
Joint Effect	17.5679918	0.00053995	***
>	SEBEe12gedFIT		
	t-value	prob	sig
Sign Bias	1.9846316	0.04733793	**
Negative Sign Bias	2.1516658	0.0315571	**
Positive Sign Bias	0.8778468	0.38014469	
Joint Effect	8.6247975	0.03471862	**
>	SEBEe11stdFIT		
	t-value	prob	sig
Sign Bias	2.414391	0.01586127	**
Negative Sign Bias	3.000383	0.00273365	***
Positive Sign Bias	0.643295	0.52011508	
Joint Effect	12.454967	0.00597656	***

>	SEBEe12norFIT		
	t-value	prob	sig
Sign Bias	2.076788	0.03796344	**
Negative Sign Bias	2.913972	0.00361291	***
Positive Sign Bias	1.024138	0.30590843	
Joint Effect	12.023366	0.00730355	***
>	SEETe11gedFIT		
	t-value	prob	sig
Sign Bias	0.04882473	0.96106442	
Negative Sign Bias	1.77172176	0.07661086	*
Positive Sign Bias	2.18344008	0.02913288	**
Joint Effect	7.9959606	0.04609526	**
>	SEETe12gedFIT		
	t-value	prob	sig
Sign Bias	0.2967594	0.76668462	
Negative Sign Bias	0.6792514	0.49706639	
Positive Sign Bias	2.1111077	0.03490137	**
Joint Effect	6.329602	0.09663032	*
>	SEETe11stdFIT		
	t-value	prob	sig
Sign Bias	0.01448145	0.98844749	
Negative Sign Bias	1.62614293	0.10409528	
Positive Sign Bias	2.3208725	0.02040558	**
Joint Effect	8.22040944	0.04166951	**
>	SEETe12stdFIT		
	t-value	prob	sig
Sign Bias	0.2809315	0.7787954	
Negative Sign Bias	0.563312	0.573293	
Positive Sign Bias	2.3385529	0.01946815	**
Joint Effect	7.6782499	0.05315107	*
>	SEETe11norFIT		
	t-value	prob	sig
Sign Bias	0.2242783	0.82256632	
Negative Sign Bias	1.8965612	0.05804673	*
Positive Sign Bias	1.638892	0.10141149	
Joint Effect	6.4748669	0.09065898	*
>	SEETe12norFIT		
	t-value	prob	sig
Sign Bias	0.02166649	0.9827164	
Negative Sign Bias	0.74204675	0.4581564	
Positive Sign Bias	1.52089321	0.1284633	
Joint Effect	3.03129019	0.386826	
>	SECHe11gedFIT		
	t-value	prob	sig
Sign Bias	1.307265	0.19129046	
Negative Sign Bias	1.969106	0.04909494	**
Positive Sign Bias	1.286028	0.19859948	
Joint Effect	7.273286	0.06367897	*
>	SECHe12gedFIT		
	t-value	prob	sig
Sign Bias	1.2280858	0.21957623	
Negative Sign Bias	0.6979131	0.48532221	
Positive Sign Bias	1.3956931	0.16298002	
Joint Effect	6.6980263	0.08217159	*
>	SECHe11stdFIT		
	t-value	prob	sig
Sign Bias	0.8468921	0.3971685	
Negative Sign Bias	1.5300858	0.1261722	
Positive Sign Bias	1.2609016	0.2075086	
Joint Effect	4.8195462	0.1854979	
>	SECHe12stdFIT		
	t-value	prob	sig
Sign Bias	1.825388	0.06810901	*
Negative Sign Bias	0.661832	0.50816411	
Positive Sign Bias	1.057418	0.29046353	
Joint Effect	8.739053	0.03296925	**
>	SECHe11norFIT		
	t-value	prob	sig
Sign Bias	1.294069	0.19580855	
Negative Sign Bias	2.888265	0.00392028	***
Positive Sign Bias	1.179162	0.23849026	
Joint Effect	10.09501	0.01777555	**
>	SECHe12norFIT		
	t-value	prob	sig
Sign Bias	1.28415	0.19925552	
Negative Sign Bias	1.821156	0.06875007	*
Positive Sign Bias	1.248039	0.21218012	
Joint Effect	6.578621	0.08661292	*
>	SECHe21norFIT		
	t-value	prob	sig
Sign Bias	1.1043882	0.2695732	
Negative Sign Bias	0.3494741	0.7267745	
Positive Sign Bias	0.4159902	0.6774671	
Joint Effect	1.2891294	0.731716	
>	SEAPe11gedFIT		
	t-value	prob	sig
Sign Bias	0.9064668	0.36481085	
Negative Sign Bias	1.5305898	0.1260475	
Positive Sign Bias	3.0060336	0.00268361	***
Joint Effect	11.3929211	0.00978032	***
>	SEAPe11stdFIT		
	t-value	prob	sig
Sign Bias	1.175615	0.23990512	
Negative Sign Bias	1.1038	0.26982816	
Positive Sign Bias	2.980147	0.00291992	***
Joint Effect	10.161112	0.01724512	**
>	SEAPe12stdFIT		
	t-value	prob	sig
Sign Bias	1.24570361	0.21303625	
Negative Sign Bias	0.04688586	0.96260943	
Positive Sign Bias	2.72550803	0.0064828	***
Joint Effect	7.44451683	0.05900132	*
>	SEAPe11norFIT		
	t-value	prob	sig
Sign Bias	1.347462	0.17800198	
Negative Sign Bias	2.050363	0.04047441	**
Positive Sign Bias	3.30974	0.00095237	***
Joint Effect	15.805986	0.00124271	***
>	SEAPe12norFIT		
	t-value	prob	sig
Sign Bias	1.399052	0.16197075	
Negative Sign Bias	1.129469	0.25885141	
Positive Sign Bias	2.898592	0.00379406	***
Joint Effect	10.033889	0.01828025	**
>	BITCs11gedFIT		
	t-value	prob	sig
Sign Bias	0.01554983	0.9875953	
Negative Sign Bias	0.6800647	0.4965514	
Positive Sign Bias	0.26533242	0.7907839	
Joint Effect	0.7110187	0.8706092	
>	BITCs12gedFIT		
	t-value	prob	sig
Sign Bias	0.235113	0.8141479	
Negative Sign Bias	0.2212934	0.8248892	
Positive Sign Bias	0.4683288	0.6396065	
Joint Effect	0.6056455	0.8951388	
>	BITCc12gedFIT		
	t-value	prob	sig
Sign Bias	0.1974658	0.8434855	
Negative Sign Bias	0.2667258	0.789711	
Positive Sign Bias	0.4203194	0.6743026	
Joint Effect	0.537987	0.91047	
>	BITCe11norFIT		
	t-value	prob	sig
Sign Bias	0.3538211	0.7235146	
Negative Sign Bias	0.9923769	0.3211479	
Positive Sign Bias	0.4232087	0.6721938	
Joint Effect	1.1760161	0.7587622	
>	BITCe12norFIT		
	t-value	prob	sig
Sign Bias	0.6101613	0.5418324	
Negative Sign Bias	0.7811714	0.434805	
Positive Sign Bias	0.01596754	0.9872621	
Joint Effect	0.73150599	0.8657696	
>	BITCc11norFIT		
	t-value	prob	sig
Sign Bias	0.4714372	0.637386	
Negative Sign Bias	0.4653886	0.6417098	
Positive Sign Bias	0.2547155	0.7989721	
Joint Effect	1.0799455	0.7819174	
>	LITCs11gedFIT		
	t-value	prob	sig
Sign Bias	0.3230977	0.746659	
Negative Sign Bias	0.5505782	0.5819916	
Positive Sign Bias	0.1236239	0.901627	
Joint Effect	0.7197979	0.8685377	
>	LITCc11gedFIT		
	t-value	prob	sig
Sign Bias	0.3768053	0.706363	
Negative Sign Bias	0.4503624	0.6525037	
Positive Sign Bias	0.0387326	0.9691079	
Joint Effect	0.7053505	0.8719447	
>	LITCc12gedFIT		
	t-value	prob	sig
Sign Bias	0.4786572	0.632241	
Negative Sign Bias	0.4843834	0.628173	
Positive Sign Bias	0.1149329	0.9085112	
Joint Effect	0.8600968	0.8350451	

>	LITCs11norFIT		
	t-value	prob	sig
Sign Bias	0.9325286	0.3511892	
Negative Sign Bias	0.2932017	0.769402	
Positive Sign Bias	0.4258306	0.6702825	
Joint Effect	1.6163963	0.6556778	
>	LITCe11norFIT		
	t-value	prob	sig
Sign Bias	0.4825224	0.6294939	
Negative Sign Bias	0.4254975	0.6705252	
Positive Sign Bias	0.6567732	0.5114112	
Joint Effect	1.0266842	0.7947955	
>	LITCe12norFIT		
	t-value	prob	sig
Sign Bias	0.4414985	0.6589055	
Negative Sign Bias	0.3065537	0.7592188	
Positive Sign Bias	0.5282872	0.5973655	
Joint Effect	0.7345816	0.8650414	
>	LITCe21norFIT		
	t-value	prob	sig
Sign Bias	0.419786561	0.6746918	
Negative Sign Bias	0.290231445	0.7716728	
Positive Sign Bias	0.003570375	0.9971517	
Joint Effect	0.210818688	0.9758242	
>	LITCg11norFIT		
	t-value	prob	sig
Sign Bias	1.6673789	0.09561401	*
Negative Sign Bias	0.6757133	0.49930997	
Positive Sign Bias	0.2289932	0.81890039	
Joint Effect	2.9600282	0.39782919	
>	LITCc11norFIT		
	t-value	prob	sig
Sign Bias	1.1256927	0.2604465	
Negative Sign Bias	0.1216194	0.9032141	
Positive Sign Bias	0.1057519	0.9157911	
Joint Effect	1.6205267	0.6547445	
>	LITCc12norFIT		
	t-value	prob	sig
Sign Bias	1.12862029	0.2592093	
Negative Sign Bias	0.09931938	0.9208958	
Positive Sign Bias	0.13715468	0.890924	
Joint Effect	1.62858889	0.652925	
>	GREXe11gedFIT		
	t-value	prob	sig
Sign Bias	0.1050664	0.9163349	
Negative Sign Bias	0.1304537	0.8962221	
Positive Sign Bias	0.2981334	0.765636	
Joint Effect	0.106877	0.9909996	
>	GREXe12gedFIT		
	t-value	prob	sig
Sign Bias	1.0614721	0.2886186	
Negative Sign Bias	0.6687124	0.5037652	
Positive Sign Bias	1.4093302	0.1589113	
Joint Effect	3.2583233	0.3534855	
>	GREXe21gedFIT		
	t-value	prob	sig
Sign Bias	0.1944995	0.8458069	
Negative Sign Bias	0.5714449	0.5677699	
Positive Sign Bias	0.4098666	0.6819528	
Joint Effect	0.5250305	0.9133589	
>	DAXPs11gedFIT		
	t-value	prob	sig
Sign Bias	0.7424798	0.4578941	
Negative Sign Bias	4.1915431	2.9058E-05	***
Positive Sign Bias	1.9560505	0.05061454	*
Joint Effect	21.7786281	7.2528E-05	***
>	DAXPs11stdFIT		
	t-value	prob	sig
Sign Bias	0.7481291	0.4544806	
Negative Sign Bias	4.1766484	3.1007E-05	***
Positive Sign Bias	1.9628161	0.04982221	**
Joint Effect	21.6543169	7.6977E-05	***
>	DAXPs12norFIT		
	t-value	prob	sig
Sign Bias	0.6542133	0.51305844	
Negative Sign Bias	3.3792298	0.00074249	***
Positive Sign Bias	1.3500861	0.17715905	
Joint Effect	13.555823	0.00357655	***
>	DAXPe11norFIT		
	t-value	prob	sig
Sign Bias	0.8941912	0.37133982	
Negative Sign Bias	3.7049627	0.00021784	***
Positive Sign Bias	2.278435	0.02281803	**
Joint Effect	18.9280466	0.00028293	***
>	DAXPg11norFIT		
	t-value	prob	sig
Sign Bias	0.4229974	0.67234795	
Negative Sign Bias	3.2902697	0.00102036	***
Positive Sign Bias	2.3174778	0.02059002	**
Joint Effect	16.2508498	0.0010073	***
>			

LB-Residuals

DJACe11gedFIT

	statistic	p-value
Lag[1]	0.1306	0.7178
Lag[2*(p+q)+(p+q)-1][2]	1.3036	0.5522
Lag[4*(p+q)+(p+q)-1][5]	3.2856	0.3629

d.o.f=1

DJACe12gedFIT

statistic	p-value
Lag[1]	0.1125	7.37E-01
Lag[2*(p+q)+(p+q)-1][2]	1.5526	4.09E-01
Lag[4*(p+q)+(p+q)-1][5]	3.6712	2.83E-01

d.o.f=1

DJACe11stdFIT

	statistic	p-value
Lag[1]	0.123	0.7258
Lag[2*(p+q)+(p+q)-1][2]	1.327	0.5381
Lag[4*(p+q)+(p+q)-1][5]	2.935	0.4478

d.o.f=1

DJACe12stdFIT

	statistic	p-value
Lag[1]	0.09275	0.7607
Lag[2*(p+q)+(p+q)-1][2]	1.60566	0.3809
Lag[4*(p+q)+(p+q)-1][5]	3.35042	0.3485

d.o.f=1

DJACe11norFIT

	statistic	p-value
Lag[1]	0.3554	0.5511
Lag[2*(p+q)+(p+q)-1][2]	1.3116	0.5473
Lag[4*(p+q)+(p+q)-1][5]	3.1851	0.3861

d.o.f=1

DJACe12norFIT

	statistic	p-value
Lag[1]	0.3555	0.551
Lag[2*(p+q)+(p+q)-1][2]	1.4494	0.4658
Lag[4*(p+q)+(p+q)-1][5]	3.387	0.3405

d.o.f=1

DJACe21norFIT

	statistic	p-value
Lag[1]	0.2782	0.5979
Lag[2*(p+q)+(p+q)-1][2]	1.4973	0.4388
Lag[4*(p+q)+(p+q)-1][5]	3.4948	0.3177

d.o.f=1

DJALs11gedFIT

	statistic	p-value
Lag[1]	8.712	3.16E-03
Lag[2*(p+q)+(p+q)-1][11]	16.502	0.00E+00
Lag[4*(p+q)+(p+q)-1][19]	23.085	1.68E-05

d.o.f=4

DJALe11gedFIT

	statistic	p-value
Lag[1]	10.08	1.50E-03
Lag[2*(p+q)+(p+q)-1][11]	18.21	0.00E+00
Lag[4*(p+q)+(p+q)-1][19]	25.4	1.32E-06

d.o.f=4

DJALe12gedFIT

	statistic	p-value
Lag[1]	1.989	1.58E-01
Lag[2*(p+q)+(p+q)-1][11]	10.373	8.45E-10
Lag[4*(p+q)+(p+q)-1][19]	20.794	1.79E-04

d.o.f=4

DJALc11gedFIT

statistic	p-value
Lag[1]	6.33	0.01187
Lag[2*(p+q)+(p+q)-1][11]	12.58	0
Lag[4*(p+q)+(p+q)-1][19]	19.63	0.0005536

d.o.f=4

DJALe11stdFIT

statistic	p-value
Lag[1]	3.884	4.88E-02
Lag[2*(p+q)+(p+q)-1][11]	9.403	5.76E-07
Lag[4*(p+q)+(p+q)-1][19]	15.435	2.07E-02

d.o.f=4

DJALg11stdFIT

	statistic	p-value
Lag[1]	4.097	4.30E-02
Lag[2*(p+q)+(p+q)-1][11]	9.801	4.43E-08
Lag[4*(p+q)+(p+q)-1][19]	15.659	1.75E-02

d.o.f=4

DJALe11norFIT

	statistic	p-value
Lag[1]	0.007994	0.9288
Lag[2*(p+q)+(p+q)-1][11]	3.919876	1
Lag[4*(p+q)+(p+q)-1][19]	9.269148	0.5926

DJALe12norFIT

	statistic	p-value
Lag[1]	0.04936	0.8242
Lag[2*(p+q)+(p+q)-1][11]	3.82796	1
Lag[4*(p+q)+(p+q)-1][19]	9.03155	0.633

d.o.f=4

DJCCe11gedFIT

	statistic	p-value
Lag[1]	6.324	1.19E-02
Lag[2*(p+q)+(p+q)-1][5]	6.626	5.58E-06
Lag[4*(p+q)+(p+q)-1][9]	7.407	9.36E-02

d.o.f=2

DJCCe12gedFIT

	statistic	p-value
Lag[1]	5.329	0.0209716
Lag[2*(p+q)+(p+q)-1][5]	5.702	0.0002535
Lag[4*(p+q)+(p+q)-1][9]	6.543	0.1783747

d.o.f=2

DJCCs11stdFIT

	statistic	p-value
Lag[1]	3.529	0.06029
Lag[2*(p+q)+(p+q)-1][5]	4.135	0.04684
Lag[4*(p+q)+(p+q)-1][9]	4.719	0.51885

d.o.f=2

DJCCe11stdFIT

	statistic	p-value
Lag[1]	4.182	0.04085
Lag[2*(p+q)+(p+q)-1][5]	4.59	0.01258
Lag[4*(p+q)+(p+q)-1][9]	5.358	0.3758

d.o.f=2

DJCFe22gedFIT

	statistic	p-value
Lag[1]	8.566	3.42E-03
Lag[2*(p+q)+(p+q)-1][8]	15.058	0.00E+00
Lag[4*(p+q)+(p+q)-1][14]	19.429	1.70E-05

d.o.f=3

DJCFe12gedFIT

statistic	p-value
Lag[1]	22.98	1.64E-06
Lag[1]	29.7	0.00E+00
Lag[2*(p+q)+(p+q)-1][8]	34.55	6.60E-14
Lag[4*(p+q)+(p+q)-1][14]		

d.o.f=3

DJCFg21gedFIT

	statistic	p-value
Lag[1]	15.32	9.07E-05
Lag[2*(p+q)+(p+q)-1][8]	21.69	0.00E+00
Lag[4*(p+q)+(p+q)-1][14]	26.43	3.44E-09

d.o.f=3

DJCFe21stdFIT

	statistic	p-value
Lag[1]	4.739	2.95E-02
Lag[2*(p+q)+(p+q)-1][8]	10.075	3.00E-12
Lag[4*(p+q)+(p+q)-1][14]	14.087	4.43E-03

DJCFe11norFIT

	statistic	p-value
Lag[1]	4.07E-06	0.9984
Lag[2*(p+q)+(p+q)-1][8]	4.01E+00	0.7847
Lag[4*(p+q)+(p+q)-1][14]	8.26E+00	0.3277

d.o.f=2

DJCFe22norFIT

statistic	p-value
Lag[1]	0.3157	0.5742
Lag[2*(p+q)+(p+q)-1][8]	5.1903	0.1315
Lag[4*(p+q)+(p+q)-1][14]	9.3586	0.1795

DJCFe12norFIT

statistic	p-value
	0.02965	0.8633
Lag[1]	4.23468	0.6541
Lag[2*(p+q)+(p+q)-1][8]	8.51569	0.2884
Lag[4*(p+q)+(p+q)-1][14]		

d.o.f=3

DJCFe21norFIT

	statistic	p-value
Lag[1]	0.3466	0.556
Lag[2*(p+q)+(p+q)-1][8]	4.6597	0.381
Lag[4*(p+q)+(p+q)-1][14]	8.7158	0.2593

DJCFg22norFIT

	statistic	p-value
Lag[1]	0.5266	0.468
Lag[2*(p+q)+(p+q)-1][8]	3.9146	0.8302
Lag[4*(p+q)+(p+q)-1][14]	7.6194	0.4405

d.o.f=3

DJCFg21norFIT

	statistic	p-value

Lag[1]	0.101	0.7506
Lag[2*(p+q)+(p+q)-1][8]	3.633	0.9296
Lag[4*(p+q)+(p+q)-1][14]	7.593	0.4454

d.o.f=3

DJCPe22stdFIT

	statistic	p-value
Lag[1]	2.316	0.128053
Lag[2*(p+q)+(p+q)-1][5]	4.674	0.009693
Lag[4*(p+q)+(p+q)-1][9]	5.191	0.411172

d.o.f=2

DJCPe21stdFIT

	statistic	p-value
Lag[1]	2.92	0.08747
Lag[2*(p+q)+(p+q)-1][5]	4.24	0.0352
Lag[4*(p+q)+(p+q)-1][9]	4.75	0.51156

d.o.f=2

DJCTg22gedFIT

	statistic	p-value
Lag[1]	7.799	5.23E-03
Lag[2*(p+q)+(p+q)-1][5]	9.173	2.58E-11
Lag[4*(p+q)+(p+q)-1][9]	10.069	8.62E-03

d.o.f=2

DJCTs12stdFIT

	statistic	p-value
Lag[1]	2.548	0.1104
Lag[2*(p+q)+(p+q)-1][5]	3.199	0.3525
Lag[4*(p+q)+(p+q)-1][9]	3.883	0.718

DJCTe12stdFIT

	statistic	p-value
Lag[1]	4.718	0.0298556
Lag[2*(p+q)+(p+q)-1][5]	5.58	0.0004053
Lag[4*(p+q)+(p+q)-1][9]	6.224	0.2217704

DJCTe11stdFIT

	statistic	p-value
Lag[1]	0.03242	0.8571
Lag[2*(p+q)+(p+q)-1][5]	0.10383	1
Lag[4*(p+q)+(p+q)-1][9]	0.7594	1

DJCTg12gedFIT

	statistic	p-value
Lag[1]	0.04427	0.8334
Lag[2*(p+q)+(p+q)-1][5]	0.13778	1
Lag[4*(p+q)+(p+q)-1][9]	0.7885	1

DJCTg12stdFIT

	statistic	p-value
Lag[1]	0.01754	0.8946
Lag[2*(p+q)+(p+q)-1][5]	0.06531	1
Lag[4*(p+q)+(p+q)-1][9]	0.68623	1

DJNIs11stdFIT

	statistic	p-value
Lag[1]	3.071	0.07972
Lag[2*(p+q)+(p+q)-1][2]	3.08	0.02998
Lag[4*(p+q)+(p+q)-1][5]	3.383	0.34139

DJNIe21stdFIT

	statistic	p-value
Lag[1]	1.857	0.173
Lag[2*(p+q)+(p+q)-1][2]	2.332	0.1225
Lag[4*(p+q)+(p+q)-1][5]	2.839	0.4728

DJNIe11norFIT

	statistic	p-value
Lag[1]	0.0985	0.7536
Lag[2*(p+q)+(p+q)-1][2]	0.1416	0.9997
Lag[4*(p+q)+(p+q)-1][5]	0.474	0.9947

DJNIe22norFIT

	statistic	p-value
Lag[1]	0.0985	0.7536
Lag[2*(p+q)+(p+q)-1][2]	0.1416	0.9997
Lag[4*(p+q)+(p+q)-1][5]	0.474	0.9947

DJSIg12gedFIT

	statistic	p-value
Lag[1]	8.051	4.55E-03
Lag[2*(p+q)+(p+q)-1][2]	8.404	8.96E-08
Lag[4*(p+q)+(p+q)-1][5]	9.381	2.02E-03

DJSIs11stdFIT

	statistic	p-value
Lag[1]	7.749	5.37E-03
Lag[2*(p+q)+(p+q)-1][2]	8.171	1.64E-07
Lag[4*(p+q)+(p+q)-1][5]	9.148	2.54E-03

DJSIg11stdFIT

	statistic	p-value
Lag[1]	7.642	5.70E-03
Lag[2*(p+q)+(p+q)-1][2]	8.002	2.54E-07
Lag[4*(p+q)+(p+q)-1][5]	8.994	2.95E-03

DJSIc11stdFIT

	statistic	p-value
Lag[1]	3.025	0.08197
Lag[2*(p+q)+(p+q)-1][2]	3.311	0.01876
Lag[4*(p+q)+(p+q)-1][5]	4.299	0.18168

DJSUs11stdFIT

	statistic	p-value
Lag[1]	4.111	0.0426162
Lag[2*(p+q)+(p+q)-1][2]	4.767	0.0007565
Lag[4*(p+q)+(p+q)-1][5]	6.493	0.0303453

DJSUe22stdFIT

	statistic	p-value
Lag[1]	0.9567	0.328
Lag[2*(p+q)+(p+q)-1][2]	1.2984	0.5554
Lag[4*(p+q)+(p+q)-1][5]	2.8609	0.4671

DJSUe21stdFIT

	statistic	p-value
Lag[1]	1.093	0.2957
Lag[2*(p+q)+(p+q)-1][2]	1.524	0.4243
Lag[4*(p+q)+(p+q)-1][5]	3.054	0.4178

DJSUg22stdFIT

	statistic	p-value
Lag[1]	3.099	0.07832
Lag[2*(p+q)+(p+q)-1][2]	3.453	0.01397
Lag[4*(p+q)+(p+q)-1][5]	5.112	0.09725

DJSUg21stdFIT

	statistic	p-value
Lag[1]	3.057	0.08037
Lag[2*(p+q)+(p+q)-1][2]	3.426	0.01476
Lag[4*(p+q)+(p+q)-1][5]	5.091	0.0989

DJSUs12norFIT

	statistic	p-value
Lag[1]	7.03E-05	0.9933
Lag[2*(p+q)+(p+q)-1][2]	3.42E-01	0.9906
Lag[4*(p+q)+(p+q)-1][5]	2.25E+00	0.6394

DJWEe11gedFIT

	statistic	p-value
Lag[1]	5.625	1.77E-02
Lag[2*(p+q)+(p+q)-1][2]	6.183	2.53E-05
Lag[4*(p+q)+(p+q)-1][5]	6.765	2.38E-02

DJWEe12gedFIT

	statistic	p-value
Lag[1]	4.944	0.0261801
Lag[2*(p+q)+(p+q)-1][2]	5.414	0.0001641
Lag[4*(p+q)+(p+q)-1][5]	5.897	0.0508504

DJWEe11stdFIT

	statistic	p-value
Lag[1]	1.702	0.1921
Lag[2*(p+q)+(p+q)-1][2]	2.402	0.1084
Lag[4*(p+q)+(p+q)-1][5]	3.087	0.4098

DJWEe12stdFIT

	statistic	p-value
Lag[1]	1.445	0.2293
Lag[2*(p+q)+(p+q)-1][2]	2.019	0.2071
Lag[4*(p+q)+(p+q)-1][5]	2.578	0.5443

DJWEe11norFIT

	statistic	p-value
Lag[1]	4.27E-05	0.9948
Lag[2*(p+q)+(p+q)-1][2]	8.60E-01	0.82
Lag[4*(p+q)+(p+q)-1][5]	1.70E+00	0.796

DJWEe12norFIT

	statistic	p-value
Lag[1]	0.001761	0.9665
Lag[2*(p+q)+(p+q)-1][2]	0.844887	0.8282
Lag[4*(p+q)+(p+q)-1][5]	1.617344	0.8171

DJWEg11norFIT

	statistic	p-value
Lag[1]	0.0006471	0.9797
Lag[2*(p+q)+(p+q)-1][2]	0.5455987	0.9525
Lag[4*(p+q)+(p+q)-1][5]	1.0949208	0.9316

DJZIe22stdFIT

	statistic	p-value
Lag[1]	1.252	0.2632
Lag[2*(p+q)+(p+q)-1][2]	1.695	0.3188
Lag[4*(p+q)+(p+q)-1][5]	2.298	0.5498

DJZIe21stdFIT

	statistic	p-value
Lag[1]	1.313	0.2519
Lag[2*(p+q)+(p+q)-1][2]	1.774	0.3033
Lag[4*(p+q)+(p+q)-1][5]	2.387	0.5303

DJZIs11norFIT

	statistic	p-value
Lag[1]	0.03786	0.8457
Lag[2*(p+q)+(p+q)-1][2]	0.47907	0.7035
Lag[4*(p+q)+(p+q)-1][5]	1.25222	0.8004

DJZle11norFIT

	statistic	p-value
Lag[1]	0.0968	0.7557
Lag[2*(p+q)+(p+q)-1][2]	0.6468	0.6286
Lag[4*(p+q)+(p+q)-1][5]	1.5412	0.7298

DJZle12norFIT

	statistic	p-value
Lag[1]	0.1749	0.6758
Lag[2*(p+q)+(p+q)-1][2]	0.7687	0.5798
Lag[4*(p+q)+(p+q)-1][5]	1.6789	0.6959

DJZle12norFIT

	statistic	p-value
Lag[1]	0.06376	0.8006
Lag[2*(p+q)+(p+q)-1][2]	0.7231	0.5975
Lag[4*(p+q)+(p+q)-1][5]	1.62302	0.7096

DJLHe11gedFIT

	statistic	p-value
Lag[1]	0.372	0.5419
Lag[2*(p+q)+(p+q)-1][5]	1.063	1
Lag[4*(p+q)+(p+q)-1][9]	2.267	0.9702

DJLHe12gedFIT

	statistic	p-value
Lag[1]	1.106	0.293
Lag[2*(p+q)+(p+q)-1][5]	1.549	0.997
Lag[4*(p+q)+(p+q)-1][9]	2.567	0.9452

DJLHe11stdFIT

	statistic	p-value
Lag[1]	0.1026	0.7488
Lag[2*(p+q)+(p+q)-1][5]	1.5931	0.9959
Lag[4*(p+q)+(p+q)-1][9]	2.9183	0.9026

DJLHe12stdFIT

	statistic	p-value
Lag[1]	0.001364	0.9705
Lag[2*(p+q)+(p+q)-1][5]	1.3493	0.9995
Lag[4*(p+q)+(p+q)-1][9]	2.414004	0.9592

DJLHe11norFIT

	statistic	p-value
Lag[1]	0.04003	0.8414
Lag[2*(p+q)+(p+q)-1][5]	0.79974	1
Lag[4*(p+q)+(p+q)-1][9]	1.69384	0.9939

DJLHe12norFIT

	statistic	p-value
Lag[1]	0.04942	0.8241
Lag[2*(p+q)+(p+q)-1][5]	1.14002	0.9999
Lag[4*(p+q)+(p+q)-1][9]	2.11463	0.9792

DJLHe21norFIT

	statistic	p-value
Lag[1]	0.01579	0.9
Lag[2*(p+q)+(p+q)-1][5]	2.1043	0.9352
Lag[4*(p+q)+(p+q)-1][9]	3.86311	0.7227

DJNGe21stdFIT

	statistic	p-value
Lag[1]	2.738	0.098
Lag[2*(p+q)+(p+q)-1][5]	3.086	0.4186
Lag[4*(p+q)+(p+q)-1][9]	3.466	0.8081

DJNGe12norFIT

	statistic	p-value
Lag[1]	0.4544	0.5003
Lag[2*(p+q)+(p+q)-1][5]	0.6441	1
Lag[4*(p+q)+(p+q)-1][9]	1.0806	0.9996

DJPEe11gedFIT

	statistic	p-value
Lag[1]	2.143	0.1432
Lag[2*(p+q)+(p+q)-1][2]	2.791	0.1599
Lag[4*(p+q)+(p+q)-1][5]	4.722	0.1768

DJPEe12gedFIT

	statistic	p-value
Lag[1]	2.155	0.1421
Lag[2*(p+q)+(p+q)-1][2]	2.763	0.1627
Lag[4*(p+q)+(p+q)-1][5]	4.72	0.1769

DJPEe11stdFIT

	statistic	p-value
Lag[1]	2.049	0.1523
Lag[2*(p+q)+(p+q)-1][2]	2.761	0.1629
Lag[4*(p+q)+(p+q)-1][5]	4.732	0.1758

DJPEe12stdFIT

	statistic	p-value
Lag[1]	2.093	0.148
Lag[2*(p+q)+(p+q)-1][2]	2.783	0.1607
Lag[4*(p+q)+(p+q)-1][5]	4.782	0.1714

DJPEe11norFIT

	statistic	p-value
Lag[1]	2.083	0.1489
Lag[2*(p+q)+(p+q)-1][2]	2.667	0.1728
Lag[4*(p+q)+(p+q)-1][5]	4.501	0.1978

DJPEe12norFIT

	statistic	p-value
Lag[1]	2.117	0.1457
Lag[2*(p+q)+(p+q)-1][2]	2.626	0.1773
Lag[4*(p+q)+(p+q)-1][5]	4.447	0.2033

DJSOe21gedFIT

	statistic	p-value
Lag[1]	2.099	0.1474
Lag[2*(p+q)+(p+q)-1][5]	3.45	0.227
Lag[4*(p+q)+(p+q)-1][9]	7.252	0.1057

DJSOe21stdFIT

	statistic	p-value
Lag[1]	1.384	0.2394
Lag[2*(p+q)+(p+q)-1][5]	3.047	0.4427
Lag[4*(p+q)+(p+q)-1][9]	7.103	0.1184

DJSOe11norFIT

	statistic	p-value
Lag[1]	0.2281	0.6329
Lag[2*(p+q)+(p+q)-1][5]	1.6918	0.992
Lag[4*(p+q)+(p+q)-1][9]	5.0986	0.4315

DJSOe22norFIT

	statistic	p-value
Lag[1]	0.009514	0.9223
Lag[2*(p+q)+(p+q)-1][5]	1.429706	0.9989
Lag[4*(p+q)+(p+q)-1][9]	5.019625	0.4492

DJSOe21norFIT

	statistic	p-value
Lag[1]	0.006605	0.9352
Lag[2*(p+q)+(p+q)-1][5]	1.390225	0.9992
Lag[4*(p+q)+(p+q)-1][9]	4.940067	0.4673

SEFPs11gedFIT

	statistic	p-value
Lag[1]	10.29	1.34E-03
Lag[2*(p+q)+(p+q)-1][2]	10.43	4.20E-10
Lag[4*(p+q)+(p+q)-1][5]	12.74	6.63E-05

SEFPe11gedFIT

	statistic	p-value
Lag[1]	9.002	2.70E-03
Lag[2*(p+q)+(p+q)-1][2]	9.119	1.38E-08
Lag[4*(p+q)+(p+q)-1][5]	11.683	1.98E-04

SEFPe12gedFIT

	statistic	p-value
Lag[1]	8.003	4.67E-03
Lag[2*(p+q)+(p+q)-1][2]	8.093	2.01E-07
Lag[4*(p+q)+(p+q)-1][5]	10.549	6.32E-04

SEFPe11stdFIT

	statistic	p-value
Lag[1]	3.78	0.051865
Lag[2*(p+q)+(p+q)-1][2]	3.96	0.004698
Lag[4*(p+q)+(p+q)-1][5]	6.337	0.034775

SEFPe12stdFIT

	statistic	p-value
Lag[1]	3.687	0.054833
Lag[2*(p+q)+(p+q)-1][2]	3.837	0.006147
Lag[4*(p+q)+(p+q)-1][5]	6.012	0.046079

SEFPs11norFIT

	statistic	p-value
Lag[1]	0.09594	0.7568
Lag[2*(p+q)+(p+q)-1][2]	0.52704	0.9575
Lag[4*(p+q)+(p+q)-1][5]	2.70509	0.509

SEFPe11norFIT

	statistic	p-value
Lag[1]	0.4324	0.5108
Lag[2*(p+q)+(p+q)-1][2]	0.8199	0.8413
Lag[4*(p+q)+(p+q)-1][5]	3.1759	0.3883

SEFPe12norFIT

	statistic	p-value
Lag[1]	0.5752	0.4482
Lag[2*(p+q)+(p+q)-1][2]	0.9483	0.7705
Lag[4*(p+q)+(p+q)-1][5]	3.3366	0.3515

SEECe11gedFIT

	statistic	p-value
Lag[1]	0.1318	0.7166
Lag[2*(p+q)+(p+q)-1][5]	0.9025	1
Lag[4*(p+q)+(p+q)-1][9]	4.4447	0.5846

SEECe12gedFIT

	statistic	p-value
Lag[1]	0.1314	0.717
Lag[2*(p+q)+(p+q)-1][5]	1.4509	0.9987
Lag[4*(p+q)+(p+q)-1][9]	5.1864	0.4122

SEECe12gedFIT

	statistic	p-value
Lag[1]	0.03816	0.8451

Lag[2*(p+q)+(p+q)-1][5]	1.40082	0.9991
Lag[4*(p+q)+(p+q)-1][9]	5.10283	0.4306

SECEc11stdFIT

	statistic	p-value
Lag[1]	0.5584	0.4549
Lag[2*(p+q)+(p+q)-1][5]	1.8785	0.9765
Lag[4*(p+q)+(p+q)-1][9]	5.5027	0.3465

SECEc12norFIT

	statistic	p-value
Lag[1]	0.005518	0.9408
Lag[2*(p+q)+(p+q)-1][5]	1.055713	1
Lag[4*(p+q)+(p+q)-1][9]	4.314552	0.616

SEECe12norFIT

	statistic	p-value
Lag[1]	0.1947	0.659
Lag[2*(p+q)+(p+q)-1][5]	1.4208	0.999
Lag[4*(p+q)+(p+q)-1][9]	4.9727	0.4598

SEFLe11gedFIT

	statistic	p-value
Lag[1]	9.11E-04	0.9759
Lag[2*(p+q)+(p+q)-1][14]	6.62E+00	0.9344
Lag[4*(p+q)+(p+q)-1][24]	1.14E+01	0.6418

SEFLe11gedFIT

	statistic	p-value
Lag[1]	0.1006	0.7512
Lag[2*(p+q)+(p+q)-1][14]	5.4357	0.9999
Lag[4*(p+q)+(p+q)-1][24]	10.0585	0.8207

d.o.f=5

SEFLe11norFIT

	statistic	p-value
Lag[1]	1.499	0.2209
Lag[2*(p+q)+(p+q)-1][14]	4.936	1
Lag[4*(p+q)+(p+q)-1][24]	9.578	0.871

SEFLe12norFIT

	statistic	p-value
Lag[1]	1.29	0.2561
Lag[2*(p+q)+(p+q)-1][14]	3.618	1
Lag[4*(p+q)+(p+q)-1][24]	8.352	0.9564

SEUTe11gedFIT

	statistic	p-value
Lag[1]	0.5416	0.4618
Lag[2*(p+q)+(p+q)-1][5]	4.9784	0.1548
Lag[4*(p+q)+(p+q)-1][9]	7.929	0.1331

SEUTe11gedFIT

	statistic	p-value
Lag[1]	0.0952	0.7577
Lag[2*(p+q)+(p+q)-1][8]	6.6025	0.1809
Lag[4*(p+q)+(p+q)-1][14]	11.6917	0.1047

d.o.f=3

SEUTe11gedFIT

	statistic	p-value
Lag[1]	1.935	0.1642
Lag[2*(p+q)+(p+q)-1][5]	3.317	0.3522
Lag[4*(p+q)+(p+q)-1][9]	5.267	0.3913

SEUTe11gedFIT

	statistic	p-value
Lag[1]	0.5322	0.4657
Lag[2*(p+q)+(p+q)-1][5]	5.3397	0.1281
Lag[4*(p+q)+(p+q)-1][9]	8.2245	0.1165

SEUTe11stdFIT

	statistic	p-value
Lag[1]	1.829	0.1762
Lag[2*(p+q)+(p+q)-1][5]	3.034	0.4008
Lag[4*(p+q)+(p+q)-1][9]	4.936	0.4389

SEUTe11norFIT

	statistic	p-value
Lag[1]	0.6379	0.42445
Lag[2*(p+q)+(p+q)-1][5]	5.5603	0.11394
Lag[4*(p+q)+(p+q)-1][9]	8.9219	0.08434

SEUTe12norFIT

	statistic	p-value
Lag[1]	0.1005	0.7513
Lag[2*(p+q)+(p+q)-1][8]	6.7866	0.1666
Lag[4*(p+q)+(p+q)-1][14]	12.5612	0.0733

SETRe11gedFIT

	statistic	p-value
Lag[1]	7.496	0.006185
Lag[2*(p+q)+(p+q)-1][14]	14.512	0
Lag[4*(p+q)+(p+q)-1][24]	19.102	0.013155

SETRs12norFIT

	statistic	p-value
Lag[1]	0.002597	0.9594
Lag[2*(p+q)+(p+q)-1][14]	6.565677	0.9459
Lag[4*(p+q)+(p+q)-1][24]	11.465189	0.6296

SETRe11norFIT

	statistic	p-value
Lag[1]	0.006865	0.934
Lag[2*(p+q)+(p+q)-1][14]	5.223795	1
Lag[4*(p+q)+(p+q)-1][24]	9.281267	0.8973

SETRe12norFIT

	statistic	p-value
Lag[1]	0.008132	0.9281
Lag[2*(p+q)+(p+q)-1][14]	6.280999	0.9836
Lag[4*(p+q)+(p+q)-1][24]	10.704643	0.7395

SETRe13norFIT

	statistic	p-value
Lag[1]	0.008556	0.9263
Lag[2*(p+q)+(p+q)-1][14]	6.612811	0.9358
Lag[4*(p+q)+(p+q)-1][24]	11.029976	0.6939

SEMOe11gedFIT

	statistic	p-value
Lag[1]	5.044	2.47E-02
Lag[2*(p+q)+(p+q)-1][17]	12.983	1.49E-09
Lag[4*(p+q)+(p+q)-1][29]	20.825	3.11E-02

SEMOe12gedFIT

	statistic	p-value
Lag[1]	2.208	0.1373
Lag[2*(p+q)+(p+q)-1][17]	9.002	0.4899
Lag[4*(p+q)+(p+q)-1][29]	16.1	0.3315

SEMOe11stdFIT

	statistic	p-value
Lag[1]	1.26	0.2617
Lag[2*(p+q)+(p+q)-1][17]	7.439	0.9972
Lag[4*(p+q)+(p+q)-1][29]	14.188	0.5877

SEMOe11norFIT

	statistic	p-value
Lag[1]	0.01044	0.9186
Lag[2*(p+q)+(p+q)-1][17]	5.72387	1
Lag[4*(p+q)+(p+q)-1][29]	13.40383	0.6945

d.o.f=6

SEOGe11gedFIT

	statistic	p-value
Lag[1]	0.6486	0.420602
Lag[2*(p+q)+(p+q)-1][11]	7.9485	0.001497
Lag[4*(p+q)+(p+q)-1][19]	14.6218	0.037694

SEOGe12gedFIT

	statistic	p-value
Lag[1]	0.428	0.512988
Lag[2*(p+q)+(p+q)-1][11]	7.794	0.002948
Lag[4*(p+q)+(p+q)-1][19]	13.86	0.06363

SEOGe11stdFIT

	statistic	p-value
Lag[1]	1.539	2.15E-01
Lag[2*(p+q)+(p+q)-1][11]	8.979	7.40E-06
Lag[4*(p+q)+(p+q)-1][19]	16.663	7.84E-03

SEOGe11norFIT

statistic	p-value
Lag[1]	0.534	4.65E-01
Lag[2*(p+q)+(p+q)-1][11]	9.825	3.78E-08
Lag[4*(p+q)+(p+q)-1][19]	15.284	2.32E-02

SEOGe12norFIT

	statistic	p-value
Lag[1]	1.211	2.71E-01
Lag[2*(p+q)+(p+q)-1][11]	10.662	1.03E-10
Lag[4*(p+q)+(p+q)-1][19]	15.788	1.58E-02

SEOGe21norFIT

	statistic	p-value
Lag[1]	0.7857	3.75E-01
Lag[2*(p+q)+(p+q)-1][11]	12.1644	6.66E-16
Lag[4*(p+q)+(p+q)-1][19]	17.5132	3.82E-03

SEOEe11gedFIT

	statistic	p-value
Lag[1]	2.244	0.13415
Lag[2*(p+q)+(p+q)-1][2]	3.543	0.01156
Lag[4*(p+q)+(p+q)-1][5]	4.61	0.14395

SEOEe12gedFIT

	statistic	p-value
Lag[1]	2.368	0.123847
Lag[2*(p+q)+(p+q)-1][2]	3.681	0.008605
Lag[4*(p+q)+(p+q)-1][5]	4.771	0.127167

SEOEe11stdFIT

	statistic	p-value
Lag[1]	0.5	0.4795
Lag[2*(p+q)+(p+q)-1][2]	1.689	0.3397
Lag[4*(p+q)+(p+q)-1][5]	2.686	0.5143

d.o.f=1

SEOEe11norFIT

	statistic	p-value

Lag[1]	0.002405	0.9609
Lag[2*(p+q)+(p+q)-1][2]	0.986011	0.7483
Lag[4*(p+q)+(p+q)-1][5]	1.893785	0.7417

SEOEe12norFIT

	statistic	p-value
Lag[1]	0.000696	0.979
Lag[2*(p+q)+(p+q)-1][2]	0.968787	0.7585
Lag[4*(p+q)+(p+q)-1][5]	1.864279	0.75

SEAIs11gedFIT

	statistic	p-value
Lag[1]	0.4558	5.00E-01
Lag[2*(p+q)+(p+q)-1][11]	9.0131	6.06E-06
Lag[4*(p+q)+(p+q)-1][19]	12.0423	1.89E-01

SEAIe11gedFIT

	statistic	p-value
Lag[1]	0.2771	5.99E-01
Lag[2*(p+q)+(p+q)-1][11]	8.9115	1.09E-05
Lag[4*(p+q)+(p+q)-1][19]	11.9347	2.00E-01

SEAIe12gedFIT

	statistic	p-value
Lag[1]	0.4081	5.23E-01
Lag[2*(p+q)+(p+q)-1][11]	8.8449	1.59E-05
Lag[4*(p+q)+(p+q)-1][19]	11.7401	2.21E-01

SEAIe11stdFIT

	statistic	p-value
Lag[1]	0.644	0.4223
Lag[2*(p+q)+(p+q)-1][11]	5.287	0.8846
Lag[4*(p+q)+(p+q)-1][19]	7.699	0.8339

SEAIs11norFIT

	statistic	p-value
Lag[1]	0.01615	0.8989
Lag[2*(p+q)+(p+q)-1][11]	3.00096	1
Lag[4*(p+q)+(p+q)-1][19]	4.97485	0.9945

SEAIs12norFIT

	statistic	p-value
Lag[1]	0.00551	0.9408
Lag[2*(p+q)+(p+q)-1][11]	3.94847	0.9999
Lag[4*(p+q)+(p+q)-1][19]	6.43105	0.9498

SEAIe11norFIT

	statistic	p-value
Lag[1]	0.05914	0.8079
Lag[2*(p+q)+(p+q)-1][11]	3.8411	1
Lag[4*(p+q)+(p+q)-1][19]	6.12283	0.9656

SEAIe12norFIT

	statistic	p-value
Lag[1]	0.01568	0.9003
Lag[2*(p+q)+(p+q)-1][11]	4.26758	0.9992
Lag[4*(p+q)+(p+q)-1][19]	6.86243	0.9199

SEISe11gedFIT

	statistic	p-value
Lag[1]	0.2627	0.6083
Lag[2*(p+q)+(p+q)-1][2]	0.2794	0.9956
Lag[4*(p+q)+(p+q)-1][5]	0.6915	0.9822

SEISe12gedFIT

	statistic	p-value
Lag[1]	0.5279	0.4675
Lag[2*(p+q)+(p+q)-1][2]	0.5609	0.948
Lag[4*(p+q)+(p+q)-1][5]	0.9471	0.9544

SEISe21gedFIT

	statistic	p-value
Lag[1]	1.118	0.2903
Lag[2*(p+q)+(p+q)-1][2]	1.276	0.5693
Lag[4*(p+q)+(p+q)-1][5]	1.678	0.8012

SEISe11stdFIT

	statistic	p-value
Lag[1]	0.1879	0.6647
Lag[2*(p+q)+(p+q)-1][2]	0.239	0.9976
Lag[4*(p+q)+(p+q)-1][5]	0.6736	0.9835

SEISe12stdFIT

	statistic	p-value
Lag[1]	0.01834	0.8923
Lag[2*(p+q)+(p+q)-1][2]	0.09716	0.9999
Lag[4*(p+q)+(p+q)-1][5]	0.47361	0.9947

SEISe11norFIT

	statistic	p-value
Lag[1]	0.2698	0.6034
Lag[2*(p+q)+(p+q)-1][2]	0.3254	0.9922
Lag[4*(p+q)+(p+q)-1][5]	0.7119	0.9805

SEISe22norFIT

	statistic	p-value
Lag[1]	0.5654	0.4521
Lag[2*(p+q)+(p+q)-1][2]	0.8172	0.8427
Lag[4*(p+q)+(p+q)-1][5]	1.2209	0.9085

SEISe12norFIT

	statistic	p-value
Lag[1]	0.629	0.4277
Lag[2*(p+q)+(p+q)-1][2]	0.7403	0.88
Lag[4*(p+q)+(p+q)-1][5]	1.1305	0.9254

SEISe21norFIT

	statistic	p-value
Lag[1]	0.6444	0.4221
Lag[2*(p+q)+(p+q)-1][2]	0.8979	0.7993
Lag[4*(p+q)+(p+q)-1][5]	1.3069	0.8909

SEISg11norFIT

	statistic	p-value
Lag[1]	0.3716	0.5421
Lag[2*(p+q)+(p+q)-1][2]	0.4574	0.9736
Lag[4*(p+q)+(p+q)-1][5]	0.8415	0.9677

SEISg12norFIT

	statistic	p-value
Lag[1]	0.321	0.571
Lag[2*(p+q)+(p+q)-1][2]	0.4613	0.9728
Lag[4*(p+q)+(p+q)-1][5]	0.8237	0.9697

SEREe11gedFIT

	statistic	p-value
Lag[1]	2.168	0.1409
Lag[2*(p+q)+(p+q)-1][11]	4.162	0.9997
Lag[4*(p+q)+(p+q)-1][19]	6.976	0.9104

SEREe11stdFIT

	statistic	p-value
Lag[1]	0.02735	0.8687
Lag[2*(p+q)+(p+q)-1][11]	1.72406	1
Lag[4*(p+q)+(p+q)-1][19]	4.65606	0.9971

SEREg11stdFIT

	statistic	p-value
Lag[1]	0.2249	0.6353
Lag[2*(p+q)+(p+q)-1][11]	1.4214	1
Lag[4*(p+q)+(p+q)-1][19]	4.1511	0.9991

SEREe11norFIT

	statistic	p-value
Lag[1]	6.067	1.38E-02
Lag[2*(p+q)+(p+q)-1][11]	11.346	5.31E-13
Lag[4*(p+q)+(p+q)-1][19]	15.155	2.56E-02

SEREe12norFIT

	statistic	p-value
Lag[1]	4.76	2.91E-02
Lag[2*(p+q)+(p+q)-1][11]	9.562	2.11E-07
Lag[4*(p+q)+(p+q)-1][19]	13.34	8.90E-02

SEAEs11gedFIT

	statistic	p-value
Lag[1]	8.016	4.64E-03
Lag[2*(p+q)+(p+q)-1][11]	11.696	3.15E-14
Lag[4*(p+q)+(p+q)-1][19]	13.233	9.51E-02

SEAEe11gedFIT

	statistic	p-value
Lag[1]	6.355	1.17E-02
Lag[2*(p+q)+(p+q)-1][11]	9.208	1.90E-06
Lag[4*(p+q)+(p+q)-1][19]	10.528	3.83E-01

SEAEe11norFIT

	statistic	p-value
Lag[1]	0.8179	0.3658
Lag[2*(p+q)+(p+q)-1][11]	2.0377	1
Lag[4*(p+q)+(p+q)-1][19]	2.8529	1

SEAEe12norFIT

	statistic	p-value
Lag[1]	1.378	0.2405
Lag[2*(p+q)+(p+q)-1][11]	3.605	1
Lag[4*(p+q)+(p+q)-1][19]	4.879	0.9954

SESOe11gedFIT

	statistic	p-value
Lag[1]	6.522	1.07E-02
Lag[2*(p+q)+(p+q)-1][5]	7.527	9.31E-08
Lag[4*(p+q)+(p+q)-1][9]	8.161	5.03E-02

SESOe11stdFIT

	statistic	p-value
Lag[1]	4.437	0.035163
Lag[2*(p+q)+(p+q)-1][5]	5.305	0.001128
Lag[4*(p+q)+(p+q)-1][9]	5.944	0.265721

SESOe12stdFIT

	statistic	p-value
Lag[1]	4.053	0.044105
Lag[2*(p+q)+(p+q)-1][5]	4.905	0.004571
Lag[4*(p+q)+(p+q)-1][9]	5.483	0.350383

SETEe11gedFIT

	statistic	p-value
Lag[1]	1.445	0.2293
Lag[2*(p+q)+(p+q)-1][5]	2.239	0.8944
Lag[4*(p+q)+(p+q)-1][9]	6.363	0.202

SETEe12gedFIT

	statistic	p-value
Lag[1]	1.141	0.2855
Lag[2*(p+q)+(p+q)-1][5]	1.704	0.9913
Lag[4*(p+q)+(p+q)-1][9]	5.98	0.2597

SETEs11stdFIT

	statistic	p-value
Lag[1]	1.606	0.2051
Lag[2*(p+q)+(p+q)-1][5]	2.443	0.8078
Lag[4*(p+q)+(p+q)-1][9]	8.044	0.05558

SETEe11stdFIT

	statistic	p-value
Lag[1]	0.7459	0.3878
Lag[2*(p+q)+(p+q)-1][5]	1.4843	0.9982
Lag[4*(p+q)+(p+q)-1][9]	5.4594	0.3551

SETEe12stdFIT

	statistic	p-value
Lag[1]	0.5433	0.4611
Lag[2*(p+q)+(p+q)-1][5]	1.053	1
Lag[4*(p+q)+(p+q)-1][9]	5.1821	0.4132

SETEe11norFIT

	statistic	p-value
Lag[1]	0.2981	0.5851
Lag[2*(p+q)+(p+q)-1][5]	0.842	1
Lag[4*(p+q)+(p+q)-1][9]	5.0094	0.4515

SEBEe12gedFIT

	statistic	p-value
Lag[1]	0.01057	0.9180982
Lag[2*(p+q)+(p+q)-1][17]	11.3611	0.0001106
Lag[4*(p+q)+(p+q)-1][29]	20.8257	0.0311058

SEBEe11stdFIT

	statistic	p-value
Lag[1]	0.4964	0.48109
Lag[2*(p+q)+(p+q)-1][17]	9.6227	0.14758
Lag[4*(p+q)+(p+q)-1][29]	20.4046	0.04035

SEBEe12norFIT

	statistic	p-value
Lag[1]	1.859	1.73E-01
Lag[2*(p+q)+(p+q)-1][17]	13.684	3.85E-12
Lag[4*(p+q)+(p+q)-1][29]	24.709	1.94E-03

SEETe11gedFIT

	statistic	p-value
Lag[1]	2.328	0.1271
Lag[2*(p+q)+(p+q)-1][5]	3.747	0.1221
Lag[4*(p+q)+(p+q)-1][9]	7.06	0.1224

SEETe12gedFIT

	statistic	p-value
Lag[1]	1.913	0.1666
Lag[2*(p+q)+(p+q)-1][5]	3.163	0.3735
Lag[4*(p+q)+(p+q)-1][9]	6.442	0.1913

SEETe11stdFIT

	statistic	p-value
Lag[1]	0.5949	0.4405
Lag[2*(p+q)+(p+q)-1][5]	2.0407	0.95
Lag[4*(p+q)+(p+q)-1][9]	5.1057	0.4299

SEETe12stdFIT

	statistic	p-value
Lag[1]	0.2142	0.6435
Lag[2*(p+q)+(p+q)-1][5]	1.3773	0.9993
Lag[4*(p+q)+(p+q)-1][9]	4.4552	0.5821

SEETe11norFIT

	statistic	p-value
Lag[1]	0.0459	0.8304
Lag[2*(p+q)+(p+q)-1][5]	1.0756	1
Lag[4*(p+q)+(p+q)-1][9]	4.3279	0.6128

SEETe12norFIT

	statistic	p-value
Lag[1]	0.3454	0.5567
Lag[2*(p+q)+(p+q)-1][5]	1.4517	0.9986
Lag[4*(p+q)+(p+q)-1][9]	4.7483	0.5119

SECHe11gedFIT

	statistic	p-value
Lag[1]	1.535	0.2154
Lag[2*(p+q)+(p+q)-1][14]	5.177	1
Lag[4*(p+q)+(p+q)-1][24]	9.529	0.8756

SECHe12gedFIT

	statistic	p-value
Lag[1]	0.7976	0.3718
Lag[2*(p+q)+(p+q)-1][14]	4.9519	1
Lag[4*(p+q)+(p+q)-1][24]	9.566	0.8721

SECHe11stdFIT

	statistic	p-value
Lag[1]	0.271	0.6026
Lag[2*(p+q)+(p+q)-1][14]	5.699	0.9995
Lag[4*(p+q)+(p+q)-1][24]	9.994	0.828

SECHe12stdFIT

	statistic	p-value
Lag[1]	0.2102	0.6466
Lag[2*(p+q)+(p+q)-1][14]	4.9846	1
Lag[4*(p+q)+(p+q)-1][24]	9.9122	0.837

SECHe11norFIT

	statistic	p-value
Lag[1]	0.05681	0.8116
Lag[2*(p+q)+(p+q)-1][14]	2.58938	1
Lag[4*(p+q)+(p+q)-1][24]	6.89412	0.9935

SECHe12norFIT

	statistic	p-value
Lag[1]	0.0001006	0.992
Lag[2*(p+q)+(p+q)-1][14]	2.7176835	1
Lag[4*(p+q)+(p+q)-1][24]	7.3900117	0.9864

SECHe12norFIT

	statistic	p-value
Lag[1]	0.1496	0.699
Lag[2*(p+q)+(p+q)-1][14]	3.4285	1
Lag[4*(p+q)+(p+q)-1][24]	8.5095	0.9488

SEAPe11gedFIT

	statistic	p-value
Lag[1]	2.611	1.06E-01
Lag[2*(p+q)+(p+q)-1][14]	19.443	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	27.158	9.79E-06

SEAPe11stdFIT

	statistic	p-value
Lag[1]	0.4235	0.5152
Lag[2*(p+q)+(p+q)-1][14]	6.5285	0.953
Lag[4*(p+q)+(p+q)-1][24]	13.0948	0.3853

SEAPe12stdFIT

	statistic	p-value
Lag[1]	0.3746	0.5405
Lag[2*(p+q)+(p+q)-1][14]	7.3313	0.6017
Lag[4*(p+q)+(p+q)-1][24]	14.3864	0.2269

SEAPe11norFIT

	statistic	p-value
Lag[1]	0.08016	0.7771
Lag[2*(p+q)+(p+q)-1][14]	7.3007	0.6217
Lag[4*(p+q)+(p+q)-1][24]	14.04868	0.2636

SEAPe12norFIT

	statistic	p-value
Lag[1]	0.08685	0.7682
Lag[2*(p+q)+(p+q)-1][14]	8.10302	0.1563
Lag[4*(p+q)+(p+q)-1][24]	15.22418	0.1511

BITCs11gedFIT

	statistic	p-value
Lag[1]	29.01	7.21E-08
Lag[2*(p+q)+(p+q)-1][14]	41.05	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	45.43	3.11E-15

BITCs12gedFIT

	statistic	p-value
Lag[1]	28.1	1.15E-07
Lag[2*(p+q)+(p+q)-1][14]	39.59	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	43.98	2.08E-14

BITCc12gedFIT

	statistic	p-value
Lag[1]	28.42	9.75E-08
Lag[2*(p+q)+(p+q)-1][14]	39.62	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	43.87	2.40E-14

BITCe11norFIT

	statistic	p-value
Lag[1]	17	3.73E-05
Lag[2*(p+q)+(p+q)-1][14]	47.54	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	59.24	0.00E+00

BITCe12norFIT

	statistic	p-value
Lag[1]	16.22	5.65E-05
Lag[2*(p+q)+(p+q)-1][14]	43.32	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	54.48	0.00E+00

BITCc11norFIT

	statistic	p-value
Lag[1]	17.23	3.32E-05
Lag[2*(p+q)+(p+q)-1][14]	43.35	0.00E+00
Lag[4*(p+q)+(p+q)-1][24]	53.74	0.00E+00

LITCs11gedFIT

	statistic	p-value
Lag[1]	0.2687	0.6042
Lag[2*(p+q)+(p+q)-1][11]	5.9735	0.5042
Lag[4*(p+q)+(p+q)-1][19]	10.5254	0.3837

LITCc11gedFIT

	statistic	p-value
Lag[1]	10.2	0.0014045

Lag[2*(p+q)+(p+q)-1][11]	16.73	0
Lag[4*(p+q)+(p+q)-1][19]	21.16	0.0001237

LITCc12gedFIT

	statistic	p-value
Lag[1]	11.65	6.42E-04
Lag[2*(p+q)+(p+q)-1][11]	18.37	0.00E+00
Lag[4*(p+q)+(p+q)-1][19]	23.03	1.79E-05

LITCc11norFIT

	statistic	p-value
Lag[1]	0.1273	0.7212
Lag[2*(p+q)+(p+q)-1][11]	4.1457	0.9997
Lag[4*(p+q)+(p+q)-1][19]	9.0557	0.6289

LITCe11norFIT

	statistic	p-value
Lag[1]	2.661	0.1028
Lag[2*(p+q)+(p+q)-1][11]	6.759	0.1071
Lag[4*(p+q)+(p+q)-1][19]	12.937	0.1138

LITCe12norFIT

	statistic	p-value
Lag[1]	2.578	0.1084
Lag[2*(p+q)+(p+q)-1][11]	6.711	0.1212
Lag[4*(p+q)+(p+q)-1][19]	12.701	0.1309

LITCe21norFIT

	statistic	p-value
Lag[1]	3.137	7.65E-02
Lag[2*(p+q)+(p+q)-1][11]	8.939	9.32E-06
Lag[4*(p+q)+(p+q)-1][19]	16.356	1.01E-02

LITCq11norFIT

	statistic	p-value
Lag[1]	0.8813	0.3478
Lag[2*(p+q)+(p+q)-1][11]	6.3944	0.2503
Lag[4*(p+q)+(p+q)-1][19]	11.0861	0.3019

LITCc11norFIT

	statistic	p-value
Lag[1]	0.4053	0.5244
Lag[2*(p+q)+(p+q)-1][11]	6.0948	0.4247
Lag[4*(p+q)+(p+q)-1][19]	10.9938	0.3147

LITCc12norFIT

	statistic	p-value
Lag[1]	0.3931	0.5307
Lag[2*(p+q)+(p+q)-1][11]	6.0987	0.4222
Lag[4*(p+q)+(p+q)-1][19]	11.0244	0.3104

GREXe11gedFIT

	statistic	p-value
Lag[1]	6.026	1.41E-02
Lag[2*(p+q)+(p+q)-1][5]	12.71	0.00E+00
Lag[4*(p+q)+(p+q)-1][9]	14.511	6.79E-05

GREXe12gedFIT

	statistic	p-value
Lag[1]	3.929	4.75E-02
Lag[2*(p+q)+(p+q)-1][5]	6.061	6.08E-05
Lag[4*(p+q)+(p+q)-1][9]	7.167	1.13E-01

GREXe21gedFIT

	statistic	p-value
Lag[1]	6.61	1.01E-02
Lag[2*(p+q)+(p+q)-1][5]	16.6	0.00E+00
Lag[4*(p+q)+(p+q)-1][9]	19.06	2.50E-07

DAXPs11gedFIT

	statistic	p-value
Lag[1]	0.5067	0.4766
Lag[2*(p+q)+(p+q)-1][2]	1.4035	0.384
Lag[4*(p+q)+(p+q)-1][5]	2.5025	0.5054

DAXPs11stdFIT

	statistic	p-value
Lag[1]	0.5471	0.4595
Lag[2*(p+q)+(p+q)-1][2]	1.4467	0.3735
Lag[4*(p+q)+(p+q)-1][5]	2.545	0.4964

DAXPs12norFIT

	statistic	p-value
Lag[1]	0.1178	0.7314
Lag[2*(p+q)+(p+q)-1][2]	1.0057	0.4964
Lag[4*(p+q)+(p+q)-1][5]	2.0731	0.6012

DAXPe11norFIT

	statistic	p-value
Lag[1]	0.4527	0.5011
Lag[2*(p+q)+(p+q)-1][2]	1.2593	0.4213
Lag[4*(p+q)+(p+q)-1][5]	2.1904	0.5742

DAXPg11norFIT

	statistic	p-value
Lag[1]	0.2374	0.6261
Lag[2*(p+q)+(p+q)-1][2]	0.9949	0.4999
Lag[4*(p+q)+(p+q)-1][5]	1.9763	0.624

LB-Residuals Sq.Res.

DJACe11gedFIT

	statistic	p-value
Lag[1]	16.67	4.45E-05
Lag[2*(p+q)+(p+q)-1][5]	35.7	7.74E-10
Lag[4*(p+q)+(p+q)-1][9]	77.01	0.00E+00
d.o.f=2		

DJACe12gedFIT

	statistic	p-value
Lag[1]	7.026	8.03E-03
Lag[2*(p+q)+(p+q)-1][8]	58.236	2.00E-15
Lag[4*(p+q)+(p+q)-1][14]	107.593	0.00E+00
d.o.f=3		

DJACe11stdFIT

	statistic	p-value
Lag[1]	24.15	8.91E-07
Lag[2*(p+q)+(p+q)-1][5]	35.21	1.07E-09
Lag[4*(p+q)+(p+q)-1][9]	83.99	0.00E+00
d.o.f=2		

DJACe12stdFIT

	statistic	p-value
Lag[1]	14.11	0.0001722
Lag[2*(p+q)+(p+q)-1][8]	64.6	0
Lag[4*(p+q)+(p+q)-1][14]	118.85	0
d.o.f=3		

DJACe11norFIT

	statistic	p-value
Lag[1]	14.55	1.36E-04
Lag[2*(p+q)+(p+q)-1][5]	35.17	1.09E-09
Lag[4*(p+q)+(p+q)-1][9]	77.72	0.00E+00

DJACe12norFIT

	statistic	p-value
Lag[1]	8.397	3.76E-03
Lag[2*(p+q)+(p+q)-1][8]	61.546	2.22E-16
Lag[4*(p+q)+(p+q)-1][14]	113.527	0.00E+00
d.o.f=3		

DJACe21norFIT

	statistic	p-value
Lag[1]	0.07245	7.88E-01
Lag[2*(p+q)+(p+q)-1][8]	42.74126	5.95E-11
Lag[4*(p+q)+(p+q)-1][14]	88.89502	0.00E+00
d.o.f=3		

DJALs11gedFIT

	statistic	p-value
Lag[1]	3.776	5.20E-02
Lag[2*(p+q)+(p+q)-1][5]	21.162	9.28E-06
Lag[4*(p+q)+(p+q)-1][9]	44.853	3.05E-11

DJALe11gedFIT

	statistic	p-value
Lag[1]	7.225	7.19E-03
Lag[2*(p+q)+(p+q)-1][5]	23.014	2.85E-06
Lag[4*(p+q)+(p+q)-1][9]	45.728	1.72E-11

DJALe12gedFIT

	statistic	p-value
Lag[1]	0.06466	7.99E-01
Lag[2*(p+q)+(p+q)-1][8]	55.08133	1.68E-14
Lag[4*(p+q)+(p+q)-1][14]	88.95215	0.00E+00

DJALc11gedFIT

	statistic	p-value
Lag[1]	5.164	2.31E-02
Lag[2*(p+q)+(p+q)-1][5]	7.433	4.07E-02
Lag[4*(p+q)+(p+q)-1][9]	17.78	7.37E-04
d.o.f=2		

DJALe11stdFIT

	statistic	p-value
Lag[1]	6.538	1.06E-02
Lag[2*(p+q)+(p+q)-1][5]	20.694	1.25E-05
Lag[4*(p+q)+(p+q)-1][9]	41.882	2.13E-10
d.o.f=2		

DJALg11stdFIT

	statistic	p-value
Lag[1]	3.674	5.53E-02
Lag[2*(p+q)+(p+q)-1][5]	19.005	3.64E-05
Lag[4*(p+q)+(p+q)-1][9]	38.513	1.90E-09
d.o.f=2		

DJALe11norFIT

	statistic	p-value
	7.235	7.15E-03
Lag[1]	20.476	1.43E-05
Lag[2*(p+q)+(p+q)-1][5]	43.178	9.14E-11
Lag[4*(p+q)+(p+q)-1][9]		
d.o.f=2		

DJALe12norFIT

	statistic	p-value
	2.605	1.07E-01
Lag[1]	33.041	3.27E-08
Lag[2*(p+q)+(p+q)-1][8]	63.288	6.77E-15
Lag[4*(p+q)+(p+q)-1][14]		
d.o.f=3		

DJCCe11gedFIT

	statistic	p-value
	3.827	5.04E-02
Lag[1]	19.901	2.06E-05
Lag[2*(p+q)+(p+q)-1][5]	36.34	7.70E-09
Lag[4*(p+q)+(p+q)-1][9]		

DJCCe12gedFIT

	statistic	p-value
	0.9964	3.18E-01
Lag[1]	28.4212	6.23E-07
Lag[2*(p+q)+(p+q)-1][8]	53.4444	4.06E-12
Lag[4*(p+q)+(p+q)-1][14]		
d.o.f=3		

DJCCs11stdFIT

	statistic	p-value
	4.102	4.28E-02
Lag[1]	20.336	1.57E-05
Lag[2*(p+q)+(p+q)-1][5]	34.834	2.03E-08
Lag[4*(p+q)+(p+q)-1][9]		
d.o.f=2		

DJCCe11stdFIT

	statistic	p-value
Lag[1]	3.981	4.60E-02
Lag[2*(p+q)+(p+q)-1][5]	19.649	2.42E-05
Lag[4*(p+q)+(p+q)-1][9]	35.91	1.02E-08
d.o.f=2		

DJCFe22gedFIT

	statistic	p-value
Lag[1]	3.106	7.80E-02
Lag[2*(p+q)+(p+q)-1][11]	30.803	9.17E-07
Lag[4*(p+q)+(p+q)-1][19]	59.494	2.56E-12
d.o.f=4		

DJCFe12gedFIT

	30.04	4.24E-08
	48.44	1.38E-12
Lag[1]	68.65	2.22E-16
Lag[2*(p+q)+(p+q)-1][8]		
Lag[4*(p+q)+(p+q)-1][14]		
d.o.f=3	statistic	p-value

DJCFg21gedFIT

	9.234	2.38E-03
	28.889	4.63E-07
Lag[1]	52.164	9.23E-12
Lag[2*(p+q)+(p+q)-1][8]		
Lag[4*(p+q)+(p+q)-1][14]		
d.o.f=3		

DJCFe21stdFIT

	statistic	p-value
Lag[1]	5.988	1.44E-02
Lag[2*(p+q)+(p+q)-1][8]	22.508	2.51E-05
Lag[4*(p+q)+(p+q)-1][14]	39.99	

DJCFe11norFIT

	statistic	p-value
Lag[1]	30.7	3.01E-08
Lag[2*(p+q)+(p+q)-1][5]	41.2	2.10E-11
Lag[4*(p+q)+(p+q)-1][9]	48.83	2.23E-12
d.o.f=2		

DJCFe22norFIT

	statistic	p-value
Lag[1]	0.3119	5.77E-01
Lag[2*(p+q)+(p+q)-1][11]	26.9868	9.36E-06
Lag[4*(p+q)+(p+q)-1][19]	57.2595	1.03E-11

DJCFe12norFIT

	p-value	statistic
Lag[1]	17.17	3.41E-05
Lag[2*(p+q)+(p+q)-1][8]	34.57	1.22E-08
Lag[4*(p+q)+(p+q)-1][14]	54.37	2.23E-12
d.o.f=3		

DJCFe21norFIT

statistic	p-value	
Lag[1]	0.3052	5.81E-01
Lag[2*(p+q)+(p+q)-1][8]	20.0874	1.10E-04
Lag[4*(p+q)+(p+q)-1][14]	39.3196	3.01E-08

DJCFg22norFIT

	statistic	p-value
Lag[1]	5.582	1.82E-02
Lag[2*(p+q)+(p+q)-1][11]	29.786	1.71E-06
Lag[4*(p+q)+(p+q)-1][19]	65.435	5.97E-14
d.o.f=4		

DJCFg21norFIT

	statistic	p-value
Lag[1]	5.332	2.09E-02
Lag[2*(p+q)+(p+q)-1][8]	22.289	2.87E-05

Laq[4*(p+q)+(p+q)-1][14]	43.556	2.17E-09

d.o.f=3

DJCPe22stdFIT

	statistic	p-value
Laq[1]	4.227	3.98E-02
Laq[2*(p+q)+(p+q)-1][11]	19.446	7.60E-04
Laq[4*(p+q)+(p+q)-1][19]	40.255	3.00E-07

DJCPe21stdFIT

	statistic	p-value
Laq[1]	4.391	3.61E-02
Laq[2*(p+q)+(p+q)-1][8]	14.827	2.46E-03
Laq[4*(p+q)+(p+q)-1][14]	27.063	4.45E-05

DJCTg22gedFIT

	statistic	p-value
Laq[1]	3.962	0.046537
Laq[2*(p+q)+(p+q)-1][8]	11.166	0.018792
Laq[4*(p+q)+(p+q)-1][14]	18.697	0.004145

d.o.f=3

DJCTe11stdFIT

	statistic	p-value
Laq[1]	9.499	2.06E-03
Laq[2*(p+q)+(p+q)-1][8]	19.798	1.31E-04
Laq[4*(p+q)+(p+q)-1][14]	27.906	2.75E-05

DJCTe12stdFIT

	statistic	p-value
Laq[1]	0.1276	0.72098
Laq[2*(p+q)+(p+q)-1][8]	9.7147	0.04028
Laq[4*(p+q)+(p+q)-1][14]	13.4437	0.05026

DJCTe11norFIT

	statistic	p-value
Laq[1]	12.79	3.49E-04
Laq[2*(p+q)+(p+q)-1][5]	21.32	8.41E-06
Laq[4*(p+q)+(p+q)-1][9]	25.16	8.86E-06

DJCTe12norFIT

	statistic	p-value
Laq[1]	10.52	1.18E-03
Laq[2*(p+q)+(p+q)-1][8]	22.32	2.82E-05
Laq[4*(p+q)+(p+q)-1][14]	31.04	4.43E-06

DJCTe12norFIT

	statistic	p-value
Laq[1]	9.778	1.77E-03
Laq[2*(p+q)+(p+q)-1][8]	20.986	6.37E-05
Laq[4*(p+q)+(p+q)-1][14]	29.521	1.08E-05

DJNIs11stdFIT

	statistic	p-value
Laq[1]	28.2	1.09E-07
Laq[2*(p+q)+(p+q)-1][5]	30.8	1.89E-08
Laq[4*(p+q)+(p+q)-1][9]	36.18	8.53E-09

DJNIe21stdFIT

	statistic	p-value
Laq[1]	4.895	0.02693
Laq[2*(p+q)+(p+q)-1][8]	11.66	0.014408
Laq[4*(p+q)+(p+q)-1][14]	18.541	0.004487

DJNIe11norFIT

statistic	p-value
Laq[1]	0.04123	0.83909
Laq[2*(p+q)+(p+q)-1][11]	11.12664	0.057009
Laq[4*(p+q)+(p+q)-1][19]	25.07399	0.001165

DJNIe22norFIT

	statistic	p-value
Laq[1]	0.04123	0.83909
Laq[2*(p+q)+(p+q)-1][11]	11.12664	0.057009
Laq[4*(p+q)+(p+q)-1][19]	25.07399	0.001165

DJSIg12gedFIT

	statistic	p-value
Laq[1]	2.773	9.58E-02
Laq[2*(p+q)+(p+q)-1][8]	16.767	7.97E-04
Laq[4*(p+q)+(p+q)-1][14]	24.049	2.41E-04

DJSIs11stdFIT

statistic	p-value
Laq[1]	3.003	0.083119
Laq[2*(p+q)+(p+q)-1][5]	11.416	0.00396
Laq[4*(p+q)+(p+q)-1][9]	17.029	0.001136

DJSIg11stdFIT

	statistic	p-value
Laq[1]	3.922	0.0476652
Laq[2*(p+q)+(p+q)-1][5]	12.775	0.0017407
Laq[4*(p+q)+(p+q)-1][9]	18.747	0.0004198

DJSIc11stdFIT

	statistic	p-value
Laq[1]	2.845	0.091664
Laq[2*(p+q)+(p+q)-1][5]	8.338	0.024282
Laq[4*(p+q)+(p+q)-1][9]	14.341	0.005153

DJSUs11stdFIT

statistic	p-value
Laq[1]	4.014	4.51E-02
Laq[2*(p+q)+(p+q)-1][5]	18.479	5.06E-05
Laq[4*(p+q)+(p+q)-1][9]	41.999	1.97E-10

DJSUe22stdFIT

	statistic	p-value
Laq[1]	8.04	4.58E-03
Laq[2*(p+q)+(p+q)-1][11]	43.44	3.16E-10
Laq[4*(p+q)+(p+q)-1][19]	72.2	7.77E-16

DJSUe21stdFIT

	statistic	p-value
Laq[1]	7.018	8.07E-03
Laq[2*(p+q)+(p+q)-1][8]	30.284	1.91E-07
Laq[4*(p+q)+(p+q)-1][14]	53.573	3.73E-12

DJSUg22stdFIT

	statistic	p-value
Laq[1]	0.05273	8.18E-01
Laq[2*(p+q)+(p+q)-1][11]	42.7153	5.02E-10
Laq[4*(p+q)+(p+q)-1][19]	78.24229	0.00E+00

DJSUg21stdFIT

	statistic	p-value
Laq[1]	0.06325	8.01E-01
Laq[2*(p+q)+(p+q)-1][8]	28.61772	5.50E-07
Laq[4*(p+q)+(p+q)-1][14]	57.7765	2.47E-13

DJSUs12norFIT

	statistic	p-value
Laq[1]	1.306	2.53E-01
Laq[2*(p+q)+(p+q)-1][8]	32.097	5.99E-08
Laq[4*(p+q)+(p+q)-1][14]	61.074	2.88E-14

DJWEe11gedFIT

	statistic	p-value
Laq[1]	10.94	9.44E-04
Laq[2*(p+q)+(p+q)-1][5]	28.9	6.46E-08
Laq[4*(p+q)+(p+q)-1][9]	54.48	5.27E-14

DJWEe12gedFIT

	statistic	p-value
Laq[1]	3.561	5.91E-02
Laq[2*(p+q)+(p+q)-1][8]	41.92	1.02E-10
Laq[4*(p+q)+(p+q)-1][14]	74.078	0.00E+00

DJWEe11stdFIT

	tatistic	p-value
Laq[1]	9.721	1.82E-03
Laq[2*(p+q)+(p+q)-1][5]	26.447	3.15E-07
Laq[4*(p+q)+(p+q)-1][9]	51.988	2.77E-13

DJWEe12stdFIT

	statistic	p-value
Laq[1]	2.613	1.06E-01
Laq[2*(p+q)+(p+q)-1][8]	39.003	6.87E-10
Laq[4*(p+q)+(p+q)-1][14]	68.9	2.22E-16

DJWEe11norFIT

statistic	p-value
Laq[1]	8.403	3.75E-03
Laq[2*(p+q)+(p+q)-1][5]	24.637	1.01E-06
Laq[4*(p+q)+(p+q)-1][9]	47.583	5.08E-12

DJWEe12norFIT

	statistic	p-value
Laq[1]	3.871	4.91E-02
Laq[2*(p+q)+(p+q)-1][8]	38.355	1.05E-09
Laq[4*(p+q)+(p+q)-1][14]	68.906	2.22E-16

DJWEg11norFIT

	statistic	p-value
Laq[1]	9.749	1.79E-03
Laq[2*(p+q)+(p+q)-1][5]	26.558	2.93E-07
Laq[4*(p+q)+(p+q)-1][9]	49.029	1.96E-12

DJZIe22stdFIT

	statistic	p-value
Laq[1]	6.567	1.04E-02
Laq[2*(p+q)+(p+q)-1][11]	19.212	8.67E-04
Laq[4*(p+q)+(p+q)-1][19]	31.991	3.15E-05

DJZIe21stdFIT

statistic	p-value
Laq[1]	6.585	0.0102867
Laq[2*(p+q)+(p+q)-1][8]	15.42	0.0017462
Laq[4*(p+q)+(p+q)-1][14]	24.238	0.0002174

DJZIs11norFIT

statistic	p-value
Laq[1]	3.196	0.0738
Laq[2*(p+q)+(p+q)-1][5]	8.248	0.02557
Laq[4*(p+q)+(p+q)-1][9]	13.974	0.0063

DJZIe11norFIT

	statistic	p-value
Laq[1]	2.383	0.122635
Laq[2*(p+q)+(p+q)-1][5]	7.852	0.032074
Laq[4*(p+q)+(p+q)-1][9]	14.196	0.005579

DJZle12norFIT

	statistic	p-value
Lag[1]	0.9997	0.317378
Lag[2*(p+q)+(p+q)-1][8]	11.7822	0.01348
Lag[4*(p+q)+(p+q)-1][14]	20.3737	0.001746

DJZlg12norFIT

	statistic	p-value
Lag[1]	1.817	0.177721
Lag[2*(p+q)+(p+q)-1][8]	10.166	0.031885
Lag[4*(p+q)+(p+q)-1][14]	17.585	0.007243

DJLHe11gedFIT

	statistic	p-value
Lag[1]	19.32	1.11E-05
Lag[2*(p+q)+(p+q)-1][5]	33.73	2.80E-09
Lag[4*(p+q)+(p+q)-1][9]	48.71	2.42E-12
d.o.f=2		

DJLHe12gedFIT

	statistic	p-value
Lag[1]	6.915	8.55E-03
Lag[2*(p+q)+(p+q)-1][8]	37.247	2.16E-09
Lag[4*(p+q)+(p+q)-1][14]	69.166	1.11E-16

DJLHe11stdFIT

	statistic	p-value
Lag[1]	19.84	8.42E-06
Lag[2*(p+q)+(p+q)-1][5]	32.67	5.60E-09
Lag[4*(p+q)+(p+q)-1][9]	46.72	8.99E-12

DJLHe12stdFIT

	statistic	p-value
Lag[1]	5.759	1.64E-02
Lag[2*(p+q)+(p+q)-1][8]	35.763	5.64E-09
Lag[4*(p+q)+(p+q)-1][14]	66.977	5.55E-16

DJLHe11norFIT

	statistic	p-value
Lag[1]	20.48	6.04E-06
Lag[2*(p+q)+(p+q)-1][5]	33.5	3.24E-09
Lag[4*(p+q)+(p+q)-1][9]	48.35	3.07E-12

DJLHe12norFIT

	statistic	p-value
Lag[1]	10.77	1.03E-03
Lag[2*(p+q)+(p+q)-1][8]	37.88	1.43E-09
Lag[4*(p+q)+(p+q)-1][14]	68.3	2.22E-16

DJLHe21norFIT

	statistic	p-value
Lag[1]	7.30E-04	9.79E-01
Lag[2*(p+q)+(p+q)-1][8]	2.68E+01	1.76E-06
Lag[4*(p+q)+(p+q)-1][14]	5.86E+01	1.46E-13

DJNGe21stdFIT

	statistic	p-value
Lag[1]	2.61	1.06E-01
Lag[2*(p+q)+(p+q)-1][8]	27.43	1.17E-06
Lag[4*(p+q)+(p+q)-1][14]	48.19	1.16E-10

DJNGe12norFIT

	statistic	p-value
Lag[1]	3.12	7.74E-02
Lag[2*(p+q)+(p+q)-1][8]	35.37	7.27E-09
Lag[4*(p+q)+(p+q)-1][14]	64.77	2.55E-15

DJPEe11gedFIT

	statistic	p-value
Lag[1]	8.961	2.76E-03
Lag[2*(p+q)+(p+q)-1][5]	21.27	8.66E-06
Lag[4*(p+q)+(p+q)-1][9]	31.577	1.61E-07

DJPEe12gedFIT

	statistic	p-value
Lag[1]	4.385	3.63E-02
Lag[2*(p+q)+(p+q)-1][8]	24.04	9.73E-06
Lag[4*(p+q)+(p+q)-1][14]	45.15	7.98E-10

DJPEe11stdFIT

	statistic	p-value
Lag[1]	9.288	2.31E-03
Lag[2*(p+q)+(p+q)-1][5]	21.156	9.32E-06
Lag[4*(p+q)+(p+q)-1][9]	31.281	1.95E-07

DJPEe12stdFIT

	statistic	p-value
Lag[1]	5.574	1.82E-02
Lag[2*(p+q)+(p+q)-1][8]	25.212	4.69E-06
Lag[4*(p+q)+(p+q)-1][14]	46.675	3.05E-10

DJPEe11norFIT

	statistic	p-value
Lag[1]	9.568	1.98E-03
Lag[2*(p+q)+(p+q)-1][5]	21.906	5.78E-06
Lag[4*(p+q)+(p+q)-1][9]	32.542	8.74E-08

DJPEe12norFIT

	statistic	p-value
Lag[1]	5.177	2.29E-02
Lag[2*(p+q)+(p+q)-1][8]	24.776	6.16E-06
Lag[4*(p+q)+(p+q)-1][14]	45.928	4.89E-10

DJSOe21gedFIT

	statistic	p-value
Lag[1]	1.98	1.59E-01
Lag[2*(p+q)+(p+q)-1][8]	14.35	3.23E-03
Lag[4*(p+q)+(p+q)-1][14]	26.01	8.09E-05

DJSOe21stdFIT

	statistic	p-value
Lag[1]	3.43	6.40E-02
Lag[2*(p+q)+(p+q)-1][8]	14.45	3.05E-03
Lag[4*(p+q)+(p+q)-1][14]	26.18	7.32E-05

DJSOe11norFIT

	statistic	p-value
Lag[1]	2.282	0.1308644
Lag[2*(p+q)+(p+q)-1][5]	10.256	0.0079108
Lag[4*(p+q)+(p+q)-1][9]	18.37	0.0005231

DJSOe22norFIT

	statistic	p-value
Lag[1]	0.1108	7.39E-01
Lag[2*(p+q)+(p+q)-1][11]	21.5961	2.24E-04
Lag[4*(p+q)+(p+q)-1][19]	39.0696	5.96E-07

DJSOe21norFIT

	statistic	p-value
Lag[1]	0.138	7.10E-01
Lag[2*(p+q)+(p+q)-1][8]	15.376	1.79E-03
Lag[4*(p+q)+(p+q)-1][14]	28.063	2.51E-05

SEFPs11gedFIT

	statistic	p-value
Lag[1]	1.03	0.3102574
Lag[2*(p+q)+(p+q)-1][5]	5.75	0.1029374
Lag[4*(p+q)+(p+q)-1][9]	18.35	0.0005305

SEFPe11gedFIT

	statistic	p-value
Lag[1]	1.09	2.96E-01
Lag[2*(p+q)+(p+q)-1][5]	8.13	2.74E-02
Lag[4*(p+q)+(p+q)-1][9]	21.99	6.12E-05

SEFPe12gedFIT

	statistic	p-value
Lag[1]	0.2159	6.42E-01
Lag[2*(p+q)+(p+q)-1][8]	16.5855	8.86E-04
Lag[4*(p+q)+(p+q)-1][14]	32.4056	1.98E-06

SEFPe11stdFIT

	statistic	p-value
Lag[1]	0.212	6.45E-01
Lag[2*(p+q)+(p+q)-1][5]	8.394	2.35E-02
Lag[4*(p+q)+(p+q)-1][9]	21.756	7.05E-05

SEFPe12stdFIT

	statistic	p-value
Lag[1]	1.745	1.87E-01
Lag[2*(p+q)+(p+q)-1][8]	18.868	2.29E-04
Lag[4*(p+q)+(p+q)-1][14]	34.289	6.43E-07

SEFPs11norFIT

	statistic	p-value
Lag[1]	1.627	0.202131
Lag[2*(p+q)+(p+q)-1][5]	5.117	0.144033
Lag[4*(p+q)+(p+q)-1][9]	17.096	0.001093

SEFPe11norFIT

	statistic	p-value
Lag[1]	1.699	0.1924235
Lag[2*(p+q)+(p+q)-1][5]	7.103	0.0489697
Lag[4*(p+q)+(p+q)-1][9]	20.505	0.0001488

SEFPe12norFIT

	statistic	p-value
Lag[1]	0.3889	5.33E-01
Lag[2*(p+q)+(p+q)-1][8]	15.3003	1.87E-03
Lag[4*(p+q)+(p+q)-1][14]	31.214	4.01E-06

SEEC11gedFIT

	statistic	p-value
Lag[1]	0.2907	0.5898
Lag[2*(p+q)+(p+q)-1][5]	1.2436	0.8025
Lag[4*(p+q)+(p+q)-1][9]	2.1267	0.8893

SEEC11gedFIT

	statistic	p-value
Lag[1]	0.05544	0.8139
Lag[2*(p+q)+(p+q)-1][5]	1.07266	0.843
Lag[4*(p+q)+(p+q)-1][9]	1.84265	0.9229

SEEC12gedFIT

	statistic	p-value
Lag[1]	0.03157	0.859
Lag[2*(p+q)+(p+q)-1][8]	1.70193	0.9019
Lag[4*(p+q)+(p+q)-1][14]	3.34276	0.9343

SEEC11stdFIT

	statistic	p-value

Lag[1]	0.02206	0.8819
Lag[2*(p+q)+(p+q)-1][8]	1.69772	0.9024
Lag[4*(p+q)+(p+q)-1][14]	3.29594	0.9375

SEECe12norFIT

	statistic	p-value
Lag[1]	0.06215	0.8031
Lag[2*(p+q)+(p+q)-1][8]	2.26916	0.8155
Lag[4*(p+q)+(p+q)-1][14]	4.94716	0.776

SEECe12norFIT

	statistic	p-value
Lag[1]	0.05706	0.8112
Lag[2*(p+q)+(p+q)-1][8]	2.39448	0.7942
Lag[4*(p+q)+(p+q)-1][14]	4.63792	0.8129

SEEC11norFIT

	statistic	p-value
Lag[1]	2.84E+00	0.09179
Lag[2*(p+q)+(p+q)-1][5]	4.28E+00	0.22125
Lag[4*(p+q)+(p+q)-1][9]	4.97E+00	0.43322

SEEGe11gedFIT

	statistic	p-value
Lag[1]	2.58	0.1083
Lag[2*(p+q)+(p+q)-1][5]	4.254	0.2241
Lag[4*(p+q)+(p+q)-1][9]	4.938	0.4385

SEELe11norFIT

	statistic	p-value
Lag[1]	3.185	0.07431
Lag[2*(p+q)+(p+q)-1][5]	6.314	0.07582
Lag[4*(p+q)+(p+q)-1][9]	7.593	0.15441

SEPLe12norFIT

	statistic	p-value
Lag[1]	1.314	0.2516
Lag[2*(p+q)+(p+q)-1][8]	6.962	0.1539
Lag[4*(p+q)+(p+q)-1][14]	10.107	0.1917

SEUTe11gedFIT

	statistic	p-value
Lag[1]	0.502	0.4786
Lag[2*(p+q)+(p+q)-1][2]	0.5474	0.952
Lag[4*(p+q)+(p+q)-1][5]	2.4466	0.5816

SEUTe12gedFIT

	statistic	p-value
Lag[1]	0.4119	0.521
Lag[2*(p+q)+(p+q)-1][2]	0.4694	0.9711
Lag[4*(p+q)+(p+q)-1][5]	2.3303	0.6153

SEUTe11gedFIT

	statistic	p-value
Lag[1]	0.9128	0.3394
Lag[2*(p+q)+(p+q)-1][2]	1.1936	0.6203
Lag[4*(p+q)+(p+q)-1][5]	2.781	0.4884

SEUTe11norFIT

	statistic	p-value
Lag[1]	0.5798	0.4464
Lag[2*(p+q)+(p+q)-1][2]	0.597	0.9367
Lag[4*(p+q)+(p+q)-1][5]	2.5379	0.5556

SEUTe11stdFIT

	statistic	p-value
Lag[1]	1.829	0.1762
Lag[2*(p+q)+(p+q)-1][5]	3.034	0.4008
Lag[4*(p+q)+(p+q)-1][9]	4.936	0.4389

SEUTe11norFIT

	statistic	p-value
Lag[1]	0.1992	0.6554
Lag[2*(p+q)+(p+q)-1][2]	0.2362	0.9977
Lag[4*(p+q)+(p+q)-1][5]	2.0073	0.7092

SEUTe12norFIT

	statistic	p-value
Lag[1]	0.4683	0.4938
Lag[2*(p+q)+(p+q)-1][2]	0.5199	0.9594
Lag[4*(p+q)+(p+q)-1][5]	2.3319	0.6148

SETRe11gedFIT

	statistic	p-value
Lag[1]	10.58	0.0011451
Lag[2*(p+q)+(p+q)-1][5]	14.88	0.0004781
Lag[4*(p+q)+(p+q)-1][9]	17.6	0.0008164

SETRs12norFIT

	statistic	p-value
Lag[1]	4.677	3.06E-02
Lag[2*(p+q)+(p+q)-1][8]	20.796	7.15E-05
Lag[4*(p+q)+(p+q)-1][14]	37.975	6.87E-08

SETRe11norFIT

	statistic	p-value
Lag[1]	10.88	0.0009747
Lag[2*(p+q)+(p+q)-1][5]	16.76	0.0001487
Lag[4*(p+q)+(p+q)-1][9]	20.86	0.0001208

SETRe12norFIT

	statistic	p-value
Lag[1]	6.321	1.19E-02
Lag[2*(p+q)+(p+q)-1][8]	17.769	4.41E-04
Lag[4*(p+q)+(p+q)-1][14]	30.224	7.16E-06

SETRg12norFIT

	statistic	p-value
Lag[1]	4.117	4.25E-02
Lag[2*(p+q)+(p+q)-1][8]	20.061	1.12E-04
Lag[4*(p+q)+(p+q)-1][14]	34.757	4.85E-07

SEMOe11gedFIT

	statistic	p-value
Lag[1]	4.745	2.94E-02
Lag[2*(p+q)+(p+q)-1][5]	16.637	1.61E-04
Lag[4*(p+q)+(p+q)-1][9]	26.708	3.42E-06

SEMOe12gedFIT

	statistic	p-value
Lag[1]	0.662	4.16E-01
Lag[2*(p+q)+(p+q)-1][8]	20.324	9.53E-05
Lag[4*(p+q)+(p+q)-1][14]	36.188	2.04E-07

SEMOe11stdFIT

	statistic	p-value
Lag[1]	4.385	3.63E-02
Lag[2*(p+q)+(p+q)-1][5]	16.964	1.31E-04
Lag[4*(p+q)+(p+q)-1][9]	26.688	3.46E-06

SEMOe11norFIT

	statistic	p-value
Lag[1]	6.306	1.20E-02
Lag[2*(p+q)+(p+q)-1][5]	17.207	1.13E-04
Lag[4*(p+q)+(p+q)-1][9]	26.813	3.20E-06

SEOGe11gedFIT

statistic	p-value
Lag[1]	16.66	4.47E-05
Lag[2*(p+q)+(p+q)-1][5]	30.17	2.83E-08
Lag[4*(p+q)+(p+q)-1][9]	43.05	9.93E-11

SEOGe12gedFIT

	statistic	p-value
Lag[1]	6.913	8.56E-03
Lag[2*(p+q)+(p+q)-1][8]	29.081	4.10E-07
Lag[4*(p+q)+(p+q)-1][14]	48.47	9.77E-11

SEOGe11stdFIT

	statistic	p-value
Lag[1]	25.47	4.50E-07
Lag[2*(p+q)+(p+q)-1][5]	37.96	1.76E-10
Lag[4*(p+q)+(p+q)-1][9]	52.16	2.48E-13

SEOGe11norFIT

	statistic	p-value
Lag[1]	11.67	6.34E-04
Lag[2*(p+q)+(p+q)-1][5]	24.41	1.17E-06
Lag[4*(p+q)+(p+q)-1][9]	36.49	7.00E-09

SEOGe12norFIT

	statistic	p-value
Lag[1]	5.518	1.88E-02
Lag[2*(p+q)+(p+q)-1][8]	26.459	2.15E-06
Lag[4*(p+q)+(p+q)-1][14]	46.214	4.08E-10

SEOGe21norFIT

	statistic	p-value
Lag[1]	0.1356	7.13E-01
Lag[2*(p+q)+(p+q)-1][8]	19.5627	1.51E-04
Lag[4*(p+q)+(p+q)-1][14]	41.412	8.26E-09

SEOEe11gedFIT

	statistic	p-value
Lag[1]	12.03	5.24E-04
Lag[2*(p+q)+(p+q)-1][5]	37.13	3.03E-10
Lag[4*(p+q)+(p+q)-1][9]	63.34	1.11E-16

SEOEe12gedFIT

	statistic	p-value
Lag[1]	4.968	2.58E-02
Lag[2*(p+q)+(p+q)-1][8]	49.711	5.97E-13
Lag[4*(p+q)+(p+q)-1][14]	84.33	0.00E+00

SEOEe11stdFIT

	statistic	p-value
Lag[1]	11.74	6.11E-04
Lag[2*(p+q)+(p+q)-1][5]	36.31	5.20E-10
Lag[4*(p+q)+(p+q)-1][9]	62.92	2.22E-16

SEOEe11norFIT

	statistic	p-value
Lag[1]	11	9.09E-04
Lag[2*(p+q)+(p+q)-1][5]	36.36	5.01E-10
Lag[4*(p+q)+(p+q)-1][9]	62.39	2.22E-16

SEOEe12norFIT

	statistic	p-value
Lag[1]	6.721	9.53E-03
Lag[2*(p+q)+(p+q)-1][8]	51.579	1.73E-13
Lag[4*(p+q)+(p+q)-1][14]	87.049	0.00E+00

SEAs11gedFIT

	statistic	p-value
Lag[1]	0.5554	0.4561
Lag[2*(p+q)+(p+q)-1][5]	1.3536	0.7758
Lag[4*(p+q)+(p+q)-1][9]	3.5108	0.6725

SEAle11gedFIT

	statistic	p-value
Lag[1]	0.6053	0.4366
Lag[2*(p+q)+(p+q)-1][5]	1.2194	0.8083
Lag[4*(p+q)+(p+q)-1][9]	2.5201	0.8347

SEAle12gedFIT

	statistic	p-value
Lag[1]	0.1602	0.6889
Lag[2*(p+q)+(p+q)-1][8]	2.6494	0.7493
Lag[4*(p+q)+(p+q)-1][14]	5.672	0.6828

SEAle11stdFIT

	statistic	p-value
Lag[1]	0.5269	0.4679
Lag[2*(p+q)+(p+q)-1][5]	1.1656	0.8212
Lag[4*(p+q)+(p+q)-1][9]	2.2385	0.8747

SEAs11norFIT

	statistic	p-value
Lag[1]	0.6214	0.4305
Lag[2*(p+q)+(p+q)-1][5]	2.1196	0.5904
Lag[4*(p+q)+(p+q)-1][9]	4.8842	0.4466

SEAs12norFIT

	statistic	p-value
Lag[1]	0.281	0.5961
Lag[2*(p+q)+(p+q)-1][8]	4.605	0.4094
Lag[4*(p+q)+(p+q)-1][14]	9.973	0.2012

SEAle11norFIT

	statistic	p-value
Lag[1]	1.397	0.2373
Lag[2*(p+q)+(p+q)-1][5]	2.327	0.5435
Lag[4*(p+q)+(p+q)-1][9]	5.067	0.4196

SEAlc12norFIT

	statistic	p-value
Lag[1]	0.2788	0.5975
Lag[2*(p+q)+(p+q)-1][8]	4.402	0.4406
Lag[4*(p+q)+(p+q)-1][14]	9.5815	0.231

SEISe11gedFIT

	statistic	p-value
Lag[1]	15.57	7.94E-05
Lag[2*(p+q)+(p+q)-1][5]	28.01	1.15E-07
Lag[4*(p+q)+(p+q)-1][9]	54	7.29E-14

SEISe12gedFIT

	statistic	p-value
Lag[1]	3.14	7.64E-02
Lag[2*(p+q)+(p+q)-1][8]	32.08	6.07E-08
Lag[4*(p+q)+(p+q)-1][14]	63.14	7.44E-15

SEISe21gedFIT

	statistic	p-value
Lag[1]	3.393	6.55E-02
Lag[2*(p+q)+(p+q)-1][8]	23.55	1.32E-05
Lag[4*(p+q)+(p+q)-1][14]	48.901	7.43E-11

SEISe11stdFIT

	statistic	p-value
Lag[1]	20.42	6.21E-06
Lag[2*(p+q)+(p+q)-1][5]	31.45	1.23E-08
Lag[4*(p+q)+(p+q)-1][9]	60.16	1.22E-15

SEISe12stdFIT

	statistic	p-value
Lag[1]	3.873	4.91E-02
Lag[2*(p+q)+(p+q)-1][8]	33.211	2.93E-08
Lag[4*(p+q)+(p+q)-1][14]	64.997	2.22E-15

SEISe11norFIT

	statistic	p-value
Lag[1]	16.1	6.01E-05
Lag[2*(p+q)+(p+q)-1][5]	28.39	8.96E-08
Lag[4*(p+q)+(p+q)-1][9]	54.12	6.74E-14

SEISe22norFIT

	statistic	p-value
Lag[1]	2.38E-04	9.88E-01
Lag[2*(p+q)+(p+q)-1][11]	3.78E+01	1.17E-08
Lag[4*(p+q)+(p+q)-1][19]	7.33E+01	4.44E-16

SEISe12norFIT

	statistic	p-value
Lag[1]	6.446	1.11E-02
Lag[2*(p+q)+(p+q)-1][8]	36.062	4.65E-09
Lag[4*(p+q)+(p+q)-1][14]	68.81	2.22E-16

SEISe21norFIT

	statistic	p-value
Lag[1]	9.03E-05	9.92E-01
Lag[2*(p+q)+(p+q)-1][8]	2.26E+01	2.34E-05
Lag[4*(p+q)+(p+q)-1][14]	5.05E+01	2.68E-11

SEISc11norFIT

	statistic	p-value
Lag[1]	13.07	3.00E-04
Lag[2*(p+q)+(p+q)-1][5]	30.27	2.66E-08
Lag[4*(p+q)+(p+q)-1][9]	55.99	1.93E-14

SEISc12norFIT

	statistic	p-value
Lag[1]	4.272	3.87E-02
Lag[2*(p+q)+(p+q)-1][8]	37.213	2.20E-09
Lag[4*(p+q)+(p+q)-1][14]	69.998	1.11E-16

SEREe11gedFIT

	statistic	p-value
Lag[1]	0.05684	0.8116
Lag[2*(p+q)+(p+q)-1][5]	0.59773	0.9416
Lag[4*(p+q)+(p+q)-1][9]	1.04649	0.9843

SEREe11stdFIT

	statistic	p-value
Lag[1]	0.07997	0.7773
Lag[2*(p+q)+(p+q)-1][5]	0.49843	0.9579
Lag[4*(p+q)+(p+q)-1][9]	0.88976	0.9904

SEREg11stdFIT

	statistic	p-value
Lag[1]	0.05726	0.8109
Lag[2*(p+q)+(p+q)-1][5]	0.71926	0.9192
Lag[4*(p+q)+(p+q)-1][9]	1.1962	0.9766

SEREe11norFIT

	statistic	p-value
Lag[1]	0.107	0.7436
Lag[2*(p+q)+(p+q)-1][5]	1.936	0.6337
Lag[4*(p+q)+(p+q)-1][9]	3.587	0.6595

SEREe12norFIT

	statistic	p-value
Lag[1]	0.03073	8.61E-01
Lag[2*(p+q)+(p+q)-1][8]	3.49891	5.94E-01
Lag[4*(p+q)+(p+q)-1][14]	7.49432	4.44E-01

SEAEs11gedFIT

	statistic	p-value
Lag[1]	4.494	3.40E-02
Lag[2*(p+q)+(p+q)-1][5]	6.321	7.55E-02
Lag[4*(p+q)+(p+q)-1][9]	29.43	6.25E-07

SEAEe11gedFIT

	statistic	p-value
Lag[1]	3.779	5.19E-02
Lag[2*(p+q)+(p+q)-1][5]	7.503	3.91E-02
Lag[4*(p+q)+(p+q)-1][9]	27.458	2.14E-06

SEAEe11norFIT

	statistic	p-value
Lag[1]	1.418	2.34E-01
Lag[2*(p+q)+(p+q)-1][5]	5.414	1.23E-01
Lag[4*(p+q)+(p+q)-1][9]	23.544	2.39E-05

SEAEe12norFIT

	statistic	p-value
Lag[1]	0.4075	5.23E-01
Lag[2*(p+q)+(p+q)-1][8]	20.0306	1.14E-04
Lag[4*(p+q)+(p+q)-1][14]	36.0783	2.18E-07

SESDe11gedFIT

	statistic	p-value
Lag[1]	4.138	0.041929
Lag[2*(p+q)+(p+q)-1][5]	9.889	0.009833
Lag[4*(p+q)+(p+q)-1][9]	15.483	0.002731

SESDe11stdFIT

	statistic	p-value
Lag[1]	4.393	0.03609
Lag[2*(p+q)+(p+q)-1][5]	9.796	0.010385
Lag[4*(p+q)+(p+q)-1][9]	15.588	0.002574

SESDe12norFIT

	statistic	p-value
Lag[1]	2.535	1.11E-01
Lag[2*(p+q)+(p+q)-1][8]	12.066	1.16E-02
Lag[4*(p+q)+(p+q)-1][14]	26.206	7.23E-05

SETEe11gedFIT

	statistic	p-value
Lag[1]	11.19	8.22E-04
Lag[2*(p+q)+(p+q)-1][5]	32.31	7.04E-09
Lag[4*(p+q)+(p+q)-1][9]	57.86	5.55E-15

SETEe12gedFIT

	statistic	p-value
Lag[1]	4.552	3.29E-02
Lag[2*(p+q)+(p+q)-1][8]	46.542	4.87E-12
Lag[4*(p+q)+(p+q)-1][14]	88.947	0.00E+00

SETEs11stdFIT

	statistic	p-value
Lag[1]	17.21	3.34E-05

Lag[2*(p+q)+(p+q)-1][5]	34.62	1.56E-09
Lag[4*(p+q)+(p+q)-1][9]	57.36	7.77E-15

SETEe11stdFIT

	statistic	p-value
Lag[1]	13.4	2.52E-04
Lag[2*(p+q)+(p+q)-1][5]	33.12	4.16E-09
Lag[4*(p+q)+(p+q)-1][9]	57.15	8.99E-15

SETEe12stdFIT

	statistic	p-value
Lag[1]	5.63	1.77E-02
Lag[2*(p+q)+(p+q)-1][8]	45.55	9.36E-12
Lag[4*(p+q)+(p+q)-1][14]	86.24	0.00E+00

SETEe11norFIT

	statistic	p-value
Lag[1]	11.31	7.72E-04
Lag[2*(p+q)+(p+q)-1][5]	31.71	1.04E-08
Lag[4*(p+q)+(p+q)-1][9]	57.47	7.22E-15

SEBEe12gedFIT

	statistic	p-value
Lag[1]	0.4342	5.10E-01
Lag[2*(p+q)+(p+q)-1][8]	17.534	5.07E-04
Lag[4*(p+q)+(p+q)-1][14]	29.9791	8.27E-06

SEBEe11stdFIT

	statistic	p-value
Lag[1]	1.287	0.2566706
Lag[2*(p+q)+(p+q)-1][5]	13.403	0.0011866
Lag[4*(p+q)+(p+q)-1][9]	20.884	0.0001188

SEBEe12norFIT

	statistic	p-value
Lag[1]	0.9086	3.41E-01
Lag[2*(p+q)+(p+q)-1][8]	18.4493	2.94E-04
Lag[4*(p+q)+(p+q)-1][14]	31.9791	2.55E-06

SEETe11gedFIT

	statistic	p-value
Lag[1]	3.045	0.081
Lag[2*(p+q)+(p+q)-1][5]	7.875	0.03164
Lag[4*(p+q)+(p+q)-1][9]	10.518	0.03879

SEETe12gedFIT

	statistic	p-value
Lag[1]	1.012	0.31447
Lag[2*(p+q)+(p+q)-1][8]	8.409	0.0776
Lag[4*(p+q)+(p+q)-1][14]	14.364	0.03342

SEETe11stdFIT

	statistic	p-value
Lag[1]	2.985	0.08403
Lag[2*(p+q)+(p+q)-1][5]	6.862	0.05601
Lag[4*(p+q)+(p+q)-1][9]	9.073	0.07855

SEETe12stdFIT

	statistic	p-value
Lag[1]	1.116	0.2908
Lag[2*(p+q)+(p+q)-1][8]	7.109	0.1439
Lag[4*(p+q)+(p+q)-1][14]	11.76	0.1019

SEETe11norFIT

	statistic	p-value
Lag[1]	3.246	0.07162
Lag[2*(p+q)+(p+q)-1][5]	10.614	0.006396
Lag[4*(p+q)+(p+q)-1][9]	14.626	0.004402

SEETe12norFIT

	statistic	p-value
Lag[1]	0.788	0.374695
Lag[2*(p+q)+(p+q)-1][8]	10.743	0.02355
Lag[4*(p+q)+(p+q)-1][14]	19.294	0.003056

SEChe11gedFIT

	statistic	p-value
Lag[1]	3.296	6.94E-02
Lag[2*(p+q)+(p+q)-1][5]	12.789	1.73E-03
Lag[4*(p+q)+(p+q)-1][9]	24.621	1.24E-05

SEChe12gedFIT

	statistic	p-value
Lag[1]	0.947	3.31E-01
Lag[2*(p+q)+(p+q)-1][8]	19.905	1.23E-04
Lag[4*(p+q)+(p+q)-1][14]	38.749	4.28E-08

SEChe11stdFIT

	statistic	p-value
Lag[1]	2.786	9.51E-02
Lag[2*(p+q)+(p+q)-1][5]	10.709	6.05E-03
Lag[4*(p+q)+(p+q)-1][9]	23.571	2.35E-05

SEChe12stdFIT

	statistic	p-value
Lag[1]	0.7635	3.82E-01
Lag[2*(p+q)+(p+q)-1][8]	19.5673	1.51E-04
Lag[4*(p+q)+(p+q)-1][14]	38.053	6.55E-08

SEChe11norFIT

	statistic	p-value
Lag[1]	3.754	5.27E-02
Lag[2*(p+q)+(p+q)-1][5]	12.737	1.78E-03
Lag[4*(p+q)+(p+q)-1][9]	25.166	8.85E-06

SEChe12norFIT

	statistic	p-value
Lag[1]	1.481	2.24E-01
Lag[2*(p+q)+(p+q)-1][8]	20.343	9.42E-05
Lag[4*(p+q)+(p+q)-1][14]	40.561	1.40E-08

SEChe21norFIT

	statistic	p-value
Lag[1]	0.5203	4.71E-01
Lag[2*(p+q)+(p+q)-1][8]	16.8636	7.53E-04
Lag[4*(p+q)+(p+q)-1][14]	37.2741	1.06E-07

SEAPe11gedFIT

	statistic	p-value
Lag[1]	9.045	2.63E-03
Lag[2*(p+q)+(p+q)-1][5]	18.088	6.48E-05
Lag[4*(p+q)+(p+q)-1][9]	30.148	3.98E-07

SEAPe11stdFIT

	statistic	p-value
Lag[1]	8.92	2.82E-03
Lag[2*(p+q)+(p+q)-1][5]	18.42	5.26E-05
Lag[4*(p+q)+(p+q)-1][9]	29.75	5.12E-07

SEAPe12stdFIT

	statistic	p-value
Lag[1]	4.311	3.79E-02
Lag[2*(p+q)+(p+q)-1][8]	21.951	3.53E-05
Lag[4*(p+q)+(p+q)-1][14]	39.755	2.30E-08

SEAPe11norFIT

	statistic	p-value
Lag[1]	9.868	1.68E-03
Lag[2*(p+q)+(p+q)-1][5]	17.352	1.03E-04
Lag[4*(p+q)+(p+q)-1][9]	30.628	2.94E-07

SEAPe12norFIT

	statistic	p-value
Lag[1]	5.563	1.83E-02
Lag[2*(p+q)+(p+q)-1][8]	23.25	1.59E-05
Lag[4*(p+q)+(p+q)-1][14]	43.008	3.05E-09

BITCs11gedFIT

	statistic	p-value
Lag[1]	1.644	0.1997
Lag[2*(p+q)+(p+q)-1][5]	4.735	0.1755
Lag[4*(p+q)+(p+q)-1][9]	7.387	0.1689

BITCs12gedFIT

	statistic	p-value
Lag[1]	0.2515	0.616
Lag[2*(p+q)+(p+q)-1][8]	5.2153	0.3244
Lag[4*(p+q)+(p+q)-1][14]	8.1889	0.363

BITCc12gedFIT

	statistic	p-value
Lag[1]	0.4413	0.5065
Lag[2*(p+q)+(p+q)-1][8]	4.9778	0.3558
Lag[4*(p+q)+(p+q)-1][14]	7.1791	0.4829

BITCe11norFIT

	statistic	p-value
Lag[1]	1.487	0.2227
Lag[2*(p+q)+(p+q)-1][5]	3.618	0.3057
Lag[4*(p+q)+(p+q)-1][9]	5.83	0.3182

BITCe12norFIT

	statistic	p-value
Lag[1]	0.3561	0.5507
Lag[2*(p+q)+(p+q)-1][8]	5.5206	0.287
Lag[4*(p+q)+(p+q)-1][14]	8.1888	0.363

BITCc11norFIT

	statistic	p-value
Lag[1]	0.04791	0.8267
Lag[2*(p+q)+(p+q)-1][5]	2.74893	0.4548
Lag[4*(p+q)+(p+q)-1][9]	5.86828	0.3136

LITCs11gedFIT

	statistic	p-value
Lag[1]	0.09381	0.7594
Lag[2*(p+q)+(p+q)-1][5]	1.14264	0.8266
Lag[4*(p+q)+(p+q)-1][9]	1.5179	0.9541

LITCc11gedFIT

	statistic	p-value
Lag[1]	0.04464	0.8327
Lag[2*(p+q)+(p+q)-1][5]	0.77914	0.9073
Lag[4*(p+q)+(p+q)-1][9]	1.06639	0.9833

LITCc12gedFIT

	statistic	p-value
Lag[1]	0.07976	0.7776
Lag[2*(p+q)+(p+q)-1][8]	1.2871	0.9501
Lag[4*(p+q)+(p+q)-1][14]	1.68479	0.9958

LITCs11norFIT

	statistic	p-value
Laq[1]	7.13E-05	0.9933
Laq[2*(p+q)+(p+q-1)[5]	1.39E+00	0.7673
Laq[4*(p+q)+(p+q-1)[9]	1.75E+00	0.9329

LITCe11norFIT

	statistic	p-value
Laq[1]	0.002386	0.96104
Laq[2*(p+q)+(p+q-1)[5]	9.126931	0.01537
Laq[4*(p+q)+(p+q-1)[9]	11.103857	0.02884

LITCe12norFIT

	statistic	p-value
Laq[1]	0.003921	0.95007
Laq[2*(p+q)+(p+q-1)[8]	11.665076	0.01436
Laq[4*(p+q)+(p+q-1)[14]	14.960275	0.02545

LITCe21norFIT

	statistic	p-value
Laq[1]	0.08284	0.77348
Laq[2*(p+q)+(p+q-1)[8]	11.07473	0.01974
Laq[4*(p+q)+(p+q-1)[14]	14.75339	0.02799

LITCq11norFIT

	statistic	p-value
Laq[1]	0.001949	0.9648
Laq[2*(p+q)+(p+q-1)[5]	2.281527	0.5536
Laq[4*(p+q)+(p+q-1)[9]	2.745087	0.8002

LITCC11norFIT

	statistic	p-value
Laq[1]	0.02884	0.8652
Laq[2*(p+q)+(p+q-1)[5]	0.44559	0.9657
Laq[4*(p+q)+(p+q-1)[9]	0.67586	0.9959

LITCC12norFIT

	statistic	p-value
Laq[1]	0.03708	0.8473
Laq[2*(p+q)+(p+q-1)[8]	0.63533	0.9926
Laq[4*(p+q)+(p+q-1)[14]	1.0099	0.9996

GREXe11gedFIT

	statistic	p-value
Laq[1]	2.334	1.27E-01
Laq[2*(p+q)+(p+q-1)[5]	21.835	6.05E-06
Laq[4*(p+q)+(p+q-1)[9]	32.935	6.81E-08

GREXe12gedFIT

	statistic	p-value
Laq[1]	0.6741	0.41163
Laq[2*(p+q)+(p+q-1)[8]	9.0544	0.05634
Laq[4*(p+q)+(p+q-1)[14]	14.134	0.03705

GREXe21gedFIT

	statistic	p-value
Laq[1]	1.079	2.99E-01
Laq[2*(p+q)+(p+q-1)[8]	53.969	3.52E-14
Laq[4*(p+q)+(p+q-1)[14]	62.316	1.28E-14

DAXPs11gedFIT

	statistic	p-value
Laq[1]	14.19	1.66E-04
Laq[2*(p+q)+(p+q-1)[5]	24.98	8.07E-07
Laq[4*(p+q)+(p+q-1)[9]	34.08	3.28E-08

DAXPs11stdFIT

	statistic	p-value
Laq[1]	14.29	1.57E-04
Laq[2*(p+q)+(p+q-1)[5]	25.18	7.09E-07
Laq[4*(p+q)+(p+q-1)[9]	34.22	3.01E-08

DAXPs12norFIT

	statistic	p-value
Laq[1]	5.586	1.81E-02
Laq[2*(p+q)+(p+q-1)[8]	24.202	8.80E-06
Laq[4*(p+q)+(p+q-1)[14]	36.416	1.78E-07

DAXPe11norFIT

	statistic	p-value
Laq[1]	14.96	1.10E-04
Laq[2*(p+q)+(p+q-1)[5]	26.71	2.66E-07
Laq[4*(p+q)+(p+q-1)[9]	39.9	7.73E-10

DAXPq11norFIT

	statistic	p-value
Laq[1]	10.45	1.22E-03
Laq[2*(p+q)+(p+q-1)[5]	21.86	5.94E-06
Laq[4*(p+q)+(p+q-1)[9]	32.45	9.28E-08

Robust Coefficients

Model	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter
DJACe11gedFIT												
	ma1	omega	alpha1	beta1	gamma1	shape						
	0.11910127	-0.1107214	-0.0470582	0.9884605	0.0886128	0.87589343						
DJACe12gedFIT												
	ma1	omega	alpha1	beta1	beta2	gamma1	shape					
	0.12099343	-0.2017769	-0.0776196	0.29399148	0.68500267	0.17630519	0.8789875					
DJACe11stdFIT												
	ma1	omega	alpha1	beta1	gamma1	shape						
	0.1180717	-0.0589774	-0.1308131	0.9918422	0.1136369	2.1000031						
DJACe12stdFIT												
	ma1	omega	alpha1	beta1	beta2	gamma1	shape					
	0.1170318	-0.1009087	-0.2105806	0.1071765	0.8785378	0.288996	2.1043241					
DJACe11norFIT												
	ma1	omega	alpha1	beta1	gamma1							
	0.09626992	-0.118806	-0.029546	0.98694072	0.07296588							
DJACe12norFIT												
	ma1	omega	alpha1	beta1	beta2	gamma1						
	0.09753889	-0.2093651	-0.0510084	0.34073288	0.63626079	0.13047777						
DJACe21norFIT												
	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2					
	0.10523902	-0.1090119	-0.0827495	0.05523658	0.98807725	0.34384246	-0.2790672					
DJALs11gedFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape				
	-6.86E-01	2.99E-01	8.08E-01	-1.78E-01	1.02E-05	8.38E-02	7.88E-01	8.43E-01				
DJALe11gedFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
	-0.2400981	0.15865645	0.36219717	-0.0889307	-0.7801549	0.05381626	0.9179852	0.12421855	0.84079506			
DJALe12gedFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape		
	1.32047469	-0.3275702	-1.1692155	0.17897664	-7.8977982	0.07100322	0.99999999	-0.8155071	0.42285291	0.90174183		
DJALc11gedFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape		
	-3.93E-01	2.46E-01	5.57E-01	-1.23E-01	2.61E-07	5.29E-01	1.55E-02	9.98E-01	1.92E-03	8.37E-01		
DJALe11stdFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
	-0.3646843	0.63122599	0.45624797	-0.5370352	-0.4881428	0.06825997	0.94600217	0.12749289	2.63104983			
DJALg11stdFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape			
	-4.13E-01	5.82E-01	5.09E-01	-4.83E-01	8.93E-06	1.30E-01	8.68E-01	-9.72E-02	2.66E+00			
DJALe11norFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1				
	-0.242476	0.63358254	0.28225211	-0.5595458	-0.7739708	0.05285502	0.91835853	0.09088156				
DJALe12norFIT												
	ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1			
	-0.2588343	0.6147266	0.29894972	-0.5388111	-1.1683545	0.06932413	0.38356954	0.49305088	0.15609003			
DJCCe11gedFIT												
	ar1	ar2	omega	alpha1	beta1	gamma1	shape					
	0.10076036	0.07122934	-0.0310399	-0.0303341	0.99653664	0.06157909	0.91926128					
DJCCe12gedFIT												
	ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape				
	0.10090811	0.07121069	-0.0522644	-0.050791	0.1221764	0.87199078	0.12070011	0.92197119				
DJCCs11stdFIT												
	ar1	ar2	omega	alpha1	beta1	shape						
	8.72E-02	8.39E-02	4.40E-07	2.48E-02	9.74E-01	3.30E+00						
DJCCe11stdFIT												
	ar1	ar2	omega	alpha1	beta1	gamma1	shape					
	0.08875859	0.08312241	-0.014877	-0.0324403	0.99811961	0.07118182	2.82056802					
DJCFe22gedFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape	
	0.72008052	-0.5230116	-0.0228628	-0.0076846	-0.0099238	0.03254959	0.90642864	0.09273259	0.57793229	-0.5893046	0.87974374	
DJCFe12gedFIT												
	ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape			
	0.74329578	-0.5709197	-0.0117377	-0.054194	0.04762366	0.18592277	0.80777449	0.09735746	0.83878825			
DJCFp21gedFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	7.46E-01	-5.70E-01	-1.53E-02	1.64E-07	8.15E-03	9.38E-04	9.99E-01	3.18E-01	-3.35E-01	8.62E-01		
DJCFe21stdFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape		
	0.66254726	-0.4842583	-0.015939	-0.0020529	0.00018261	0.02778173	0.99982027	0.75845464	-0.7741396	2.81101698		
DJCFe11norFIT												
	ar1	ma1	ma2	omega	alpha1	beta1	gamma1					
	0.27705839	-0.2354513	0.06064736	-0.0234458	0.0248169	0.99668437	0.04542224					
DJCFe22norFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
	0.4121043	-0.3149002	0.01933424	-0.0070958	-0.0127796	0.03705008	0.90918127	0.09015812	0.42137103	-0.429854		
DJCFe12norFIT												
	ar1	ma1	ma2	omega	alpha1	beta1	beta2	gamma1				
	0.26310228	-0.2188225	0.05984765	-0.047791	0.03678364	0.15557142	0.83733739	0.11689713				
DJCFe21norFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2			
	0.52937871	-0.431347	0.0203824	-0.0084163	-0.0172951	0.04116965	0.99921041	0.42577652	-0.4365628			
DJCFp22norFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2		
	2.33E-01	-1.88E-01	6.73E-02	3.21E-07	1.29E-02	2.67E-03	8.41E-01	1.55E-01	2.40E-01	-2.66E-01		
DJCFp21norFIT												
	ar1	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2			
	2.34E-01	-1.84E-01	6.85E-02	1.13E-07	7.01E-03	9.52E-04	9.99E-01	2.35E-01	-2.52E-01			
DJCPe22stdFIT												
	ar1	ar2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape		
	0.04007054	0.006697	-0.0617761	-0.1462399	0.10823053	0.98924856	0.00322353	0.98853378	-1.0507726	2.18083181		
DJCPe21stdFIT												
	ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
	0.04534255	0.014944	-0.0411319	-0.1128325	0.07490669	0.99507539	0.8744586	-0.9153549	2.2183282			
DJCTg21gedFIT												
	ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape			
	5.07E-01	-3.30E-01	2.04E-07	1.70E-03	6.45E-04	9.96E-01	2.14E-01	-2.16E-01	9.09E-01			
DJCTs12stdFIT												
	ar1	ma1	omega	alpha1	beta1	beta2	shape					
	5.55E-01	-4.20E-01	3.56E-06	2.24E-02	6.10E-02	8.90E-01	2.80E+00					
DJCTe12stdFIT												
	ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape				
	0.53848777	-0.3267068	-7.363136	0.05740566	0.99999999	-0.8031934	0.46392985	2.78012178				
DJCTe11norFIT												
	ar1	ma1	omega	alpha1	beta1	gamma1						
	0.52071246	-0.4294955	-0.0602697	0.01780906	0.99333361	0.01900973						
DJCTe12norFIT												
	ar1	ma1	omega	alpha1	beta1	beta2	gamma1					
	0.50611333	-0.4152077	-0.092277	0.02575993	0.44910504	0.54060661	0.03603058					
DJCTg12norFIT												
	ar1	ma1	omega	alpha1	beta1	beta2	gamma1					
	5.27E-01	-4.36E-01	1.51E-06	2.43E-02	3.23E-01	6.45E-01	-1.99E-02					
DJNls11stdFIT												
	ma1	omega	alpha1	beta1	shape							
	8.45E-02	1.12E-06	1.65E-03	9.97E-01	2.41E+00							
DJNle21stdFIT												
	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	0.11129468	-0.0445217	-0.2128022	0.20269926	0.99353273	1.60821291	-1.6773468	2.10000075				
DJNle11norFIT												
	ma1	omega	alpha1	beta1	gamma1							
	0.03078713	-0.0770271	0.01135679	0.99038156	0.04449576							
DJNle22norFIT												
	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2				
	0.05396036	-0.0713212	-0.0827323	0.09549075	0.84266521	0.14831766	0.27209221	-0.2211014				
DJSlg12gedFIT												
	ma1	omega	alpha1	beta1	beta2	gamma1	shape					
	6.86E-02	2.96E-06	5.23E-02	2.98E-01	6.47E-01	-4.15E-02	7.37E-01					
DJSls11stdFIT												
	ma1	omega	alpha1	beta1	shape							
	0.06447952	5.4238E-06	0.03620103	0.96279883	2.26824682							
DJSlg11stdFIT												
	ma1	omega	alpha1	beta1	gamma1	shape						
	6.40E-02	7.10E-06	7.67E-02	9.55E-01	-6.47E-02	2.27E+00						
DJSlc11stdFIT												
	ma1	omega	alpha1	beta1	eta11	eta21	shape					
	1.05E-01	1.46E-05	7.54E-01	8.56E-02	9.95E-01	8.56E-02	2.34E+00					
DJSUs11stdFIT												
	ma1	omega	alpha1	beta1	shape							
	1.18E-01	3.88E-06	3.73E-03	9.95E-01	2.13E+00							
DJSUe22stdFIT												
	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
	0.14316659	-0.0478354	0.0637412	-0.0626056	0.99999999	-0.0063875	1.06556481	-1.1195021	2.20296857			
DJSUe21stdFIT												
	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	0.14277735	-0.0490687	0.02099543	-0.0047464	0.99335916	1.02637577	-1.0817357	2.18989627				
DJSUg22stdFIT												
	ma1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape			
	1.27E-01	4.01E-06	1.06E-02	1.81E-04	9.26E-01	6.99E-02	9.72E-01	-9.97E-01	2.13E+00			
DJSUg21stdFIT												
	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape				
	1.27E-01	3.46E-06	6.71E-03	7.77E-04	9.97E-01	9.53E-01	-9.76E-01	2.14E+00				
DJSUs12norFIT												
	ma1	omega	alpha1	beta1	beta2							
	7.59E-02	1.02E-06	2.08E-02	1.51E-01	8.23E-01							
DJWEe11gedFIT												
	ar1	omega	alpha1	beta1	gamma1	shape						
	0.16212631	-0.1627883	0.04394002	0.98146762	0.08057279	1.07025824						
DJWEe12gedFIT												
	ar1	omega	alpha1	beta1	beta2	gamma1	shape					
	0.16996268	-0.2876977	0.05223209	0.22470004	0.74257897	0.1799566	1.07007914					
DJWEe11stdFIT												
	ar1	omega	alpha1	beta1	gamma1	shape						
	0.1339896	-0.119206	0.0500369	0.98587653	0.08098572	3.17497819						
DJWEe12stdFIT												
	ar1	omega	alpha1	beta1	beta2	gamma1	shape					
	0.14302601	-0.2216853	0.05850017	0.14517799	0.82852874	0.19966459	3.1672015					
DJWEe11norFIT												
	ar1	omega	alpha1	beta1	gamma1							

0.10584202 -0.1995976 0.03891924 0.97659701 0.08068446

DJWEe12norFIT

ar1	omega	alpha1	beta1	beta2	gamma1
0.1099587	-0.312923	0.05135229	0.34088355	0.62226556	0.14678249

DJWEg11norFIT

ar1	omega	alpha1	beta1	gamma1
1.08E-01	2.69E-06	5.13E-02	9.51E-01	-3.94E-02

DJZle22stdFIT

omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2	shape
-0.0120207	-0.0550325	0.01778274	0.98937795	0.00909138	0.84341894	-0.8621054	2.34319786

DJZle21stdFIT

omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
-0.0139163	-0.0538141	0.01467009	0.99826923	0.84146669	-0.8615693	2.35945171

DJZls11norFIT

omega	alpha1	beta1
6.34E-07	2.21E-02	9.74E-01

DJZle11norFIT

omega	alpha1	beta1	gamma1
-0.051504	-0.016085	0.99349628	0.05777242

DJZle12norFIT

omega	alpha1	beta1	beta2	gamma1
-0.0912534	-0.0280989	0.26665353	0.72182713	0.1029503

DJZlg12norFIT

omega	alpha1	beta1	beta2	gamma1
5.27E-07	9.93E-03	1.55E-01	8.14E-01	3.75E-02

DJLHe11gedFIT

ar1	ma1	omega	alpha1	beta1	gamma1	shape
0.66642069	-0.5013876	-0.0909698	-0.0360194	0.98933225	0.09409772	0.87893917

DJLHe12gedFIT

ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
0.66760461	-0.4938474	-0.2012165	-0.064265	0.21582694	0.76065037	0.20934855	0.88251185

DJLHe11stdFIT

ar1	ma1	omega	alpha1	beta1	gamma1	shape
0.66645659	-5.23E-01	-0.07858	-0.0413433	0.98959606	0.11410147	2.47601512

DJLHe12stdFIT

ar1	ma1	omega	alpha1	beta1	beta2	gamma1	shape
0.65904998	-5.14E-01	-2.17E-01	-7.71E-02	1.93E-01	7.79E-01	2.99E-01	2.51461917

DJLHe11norFIT

ar1	ma1	omega	alpha1	beta1	gamma1
0.71749241	-0.5727355	-0.1033651	-0.0456627	0.98699452	0.0828809

DJLHe12norFIT

ar1	ma1	omega	alpha1	beta1	beta2	gamma1
0.69798076	-0.5562055	-0.2044962	-0.0754542	0.24236961	0.73192718	0.16651079

DJLHe21norFIT

ar1	ma1	omega	alpha1	alpha2	beta1	gamma1	gamma2
0.59691121	-0.4486139	-0.0988211	-0.1077898	0.07196609	0.98773155	0.39896956	-0.3287677

DJNGe21stdFIT

ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
0.13611652	0.06898208	-0.0573133	-0.0500983	0.03978954	0.99284569	0.53047009	-0.449529	3.64709243

DJNGe12norFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1
0.05098614	0.06856159	-0.0983299	0.03337823	0.59695494	0.39000682	0.12598994

DJPEe11gedFIT

omega	alpha1	beta1	gamma1	shape
-0.0276095	-0.0557074	9.97E-01	6.68E-02	9.43E-01

DJPEe12gedFIT

omega	alpha1	beta1	beta2	gamma1	shape
-0.0503757	-0.0859948	0.26949801	0.72496525	0.13145057	0.94481991

DJPEe11stdFIT

omega	alpha1	beta1	gamma1	shape
-0.0125855	-0.069697	0.99833639	0.07341817	2.48742326

DJPEe12stdFIT

omega	alpha1	beta1	beta2	gamma1	shape
-0.0209613	-0.1036637	0.4086089	0.58861162	0.13525483	2.51497986

DJPEe11norFIT

omega	alpha1	beta1	gamma1
-0.0293311	-0.0599361	0.99600265	0.0653969

DJPEe12norFIT

omega	alpha1	beta1	beta2	gamma1
-0.0535842	-0.095276	0.22065768	0.7719547	0.12597644

DJSOe21gedFIT

ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
0.12919045	0.07426744	-0.098958	-0.0547254	0.08434119	0.98950435	0.4334476	-0.3470984	0.96856195

DJSOe21stdFIT

ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
0.12952045	0.06761431	-0.0664896	-0.0411875	0.0644863	0.99248942	0.63338464	-0.542148	2.67087071

DJSOe11norFIT

ma1	ma2	omega	alpha1	beta1	gamma1
0.04870965	0.06991684	-0.1329165	0.02532295	0.98464208	0.10959052

DJSOe22norFIT

ma1	ma2	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
0.0711874	0.06939424	-0.1566039	-0.1044187	0.14493537	0.79674662	0.18535095	0.22836348	-0.1126482

DJSOe21norFIT

ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
0.06964607	0.06997599	-0.1312355	-0.1047676	0.13980095	0.98500061	0.22264399	-0.1260873

SEFPs11gedFIT

ar1	omega	alpha1	beta1	shape
1.80E-01	6.50E-06	7.28E-02	8.78E-01	8.06E-01

SEFPe11gedFIT

ar1	omega	alpha1	beta1	gamma1	shape
0.169042	-0.5167211	-0.12701	0.9428363	0.1265488	0.826842

SEFPe12gedFIT

ar1	omega	alpha1	beta1	beta2	gamma1	shape
0.169042	-0.7742024	-0.1737041	0.316482	0.5979363	0.2408003	0.8262065

SEFPe11stdFIT

ar1	omega	alpha1	beta1	gamma1	shape
0.1425034	-0.51454	-0.221299	0.9342728	0.2721226	2.2241817

SEFPe12stdFIT

ar1	omega	alpha1	beta1	beta2	gamma1	shape
0.1471034	-0.858849	-0.3207582	0.2918938	0.5967505	0.6028461	2.1951253

SEFPs11norFIT

ar1	omega	alpha1	beta1
8.56E-02	6.48E-06	5.96E-02	8.87E-01

SEFPe11norFIT

ar1	omega	alpha1	beta1	gamma1
0.07580128	-0.5258366	-0.1199904	0.94064035	0.10046487

SEFPe12norFIT

ar1	omega	alpha1	beta1	beta2	gamma1
0.07152206	-0.6591642	-0.1537929	0.56589525	0.35957023	0.13485239

SEECs11gedFIT

ma1	ma2	omega	alpha1	beta1	shape
5.52E-02	6.13E-02	4.44E-06	5.93E-02	8.70E-01	8.27E-01

SEECe11gedFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.0526619	0.06119333	-0.4161832	-0.1446776	0.95747289	0.04473586	0.86472148

SEECe12gedFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.04980743	0.05643815	-0.4982907	-0.1688365	0.71865905	0.23041659	0.06905921	0.86384031

SEECe12stdFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.0646265	0.06056337	-0.5744466	-0.2793616	0.55730296	0.37868922	0.13705186	2.36772925

SEECs12norFIT

ma1	ma2	omega	alpha1	beta1	beta2
5.47E-02	5.17E-02	3.37E-06	1.09E-01	1.88E-01	6.59E-01

SEECe12norFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1
0.03416607	0.05470927	-0.2683441	-0.123853	0.99999582	-0.0283032	0.06624473

SEFLe11gedFIT

ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1	shape
0.46175018	0.01683477	-0.0067729	-0.0246647	-0.3785325	-0.2105965	-0.0625355	0.97822812	0.10607938	0.80748857

SEFLg11gedFIT

ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1	shape
4.66E-01	9.38E-03	-3.01E-03	-2.60E-02	-3.66E-01	3.64E-06	2.72E-02	8.80E-01	9.48E-02	8.01E-01

SEFLe11norFIT

ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	gamma1
0.14250253	0.01605419	0.02325172	-0.0736536	-0.0818816	-0.1798847	-0.0329114	0.97925388	0.15413597

SEFLe12norFIT

ar1	ar2	ar3	ar4	ma1	omega	alpha1	beta1	beta2	gamma1
0.13111829	0.02596683	0.02665123	-0.0682739	-0.0634821	-0.4046415	-0.0426206	0.2845513	0.66940509	0.31280635

SEUTe11gedFIT

ma1	omega	alpha1	beta1	gamma1	shape
0.10998379	-0.2643373	-0.1141727	0.9730287	0.06771898	0.81238651

SEUTe12gedFIT

ma1	omega	alpha1	beta1	beta2	gamma1	shape
0.1096062	-0.4253145	-0.1666574	0.4050643	0.5515438	0.1339762	0.8149327

SEUTc11gedFIT

ma1	omega	alpha1	beta1	eta11	eta21	shape
1.40E-01	8.17E-07	3.42E-01	3.85E-02	9.91E-01	3.85E-02	8.10E-01

SEUTe11stdFIT

ma1	omega	alpha1	beta1	gamma1	shape
0.1106394	-0.2305629	-0.1776722	0.974089	0.1076031	2.3142518

SEUTc11stdFIT

ma1	omega	alpha1	beta1	eta11	eta21	shape
1.38E-01	2.99E-06	4.32E-01	7.35E-02	9.88E-01	7.35E-02	2.67E+00

SEUTe11norFIT

ma1	omega	alpha1	beta1	gamma1
0.08102412	-0.2314641	-0.0937381	0.97536683	0.07568506

SEUTe12norFIT

ma1	omega	alpha1	beta1	beta2	gamma1
0.07494855	-0.3729683	-0.144169	0.34114756	0.61899277	0.13509324

SETRe11gedFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
-0.3330007	-0.0475189	0.07097727	0.48368638	0.17882661	-0.4054914	-0.1343804	0.95935603	0.08622956	0.84573794

SETRs12norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2
-7.98E-01	-6.84E-01	9.59E-02	8.96E-01	8.26E-01	3.03E-06	1.28E-01	8.44E-02	7.28E-01

SETRe11norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1

-0.9101262 -0.6072514 0.11609803 0.99579379 0.75569683 -0.2825599 -0.0916275 0.97071289 0.09300926

SETRe12norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
-0.8087494	-0.7004839	0.09838574	0.89777156	0.83467132	-0.4751616	-0.1275132	0.3080857	0.64237387	0.19252031

SETRq12norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
-8.10E-01	-7.14E-01	9.57E-02	9.01E-01	8.48E-01	3.51E-06	5.69E-02	1.18E-01	6.79E-01	1.59E-01

SEMOe11gedFIT

ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.18298767	0.36229717	-0.0425919	-0.0464211	-0.0594828	-0.3343653	-0.1897148	-0.097026	0.98025038	0.10251105	0.78212083

SEMOe12gedFIT

ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.2919755	0.72593518	-0.0699028	-0.0466645	-0.1857681	-0.7196632	-0.359492	-0.1504571	0.19001406	0.77263626	0.22447977	0.80046196

SEMOe11stdFIT

ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.40526962	0.60579493	-0.0512523	-0.05988	-0.3105687	-0.5909214	-0.1766796	-0.1610126	0.97890601	0.18485313	2.24480093

SEMOe11norFIT

ar1	ar2	ar3	ar4	ma1	ma2	omega	alpha1	beta1	gamma1
0.2433142	0.83371845	-0.0256436	-0.0689659	-0.1752993	-0.7955842	-0.139141	-0.0916202	0.98467728	0.0787185

SEOGe11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.60335463	-0.1364547	-0.4744394	0.13700134	-0.0804062	-0.0921432	0.9913755	0.07092756	0.77862896

SEOGe12gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.6266572	-0.1509306	-0.4954659	0.1432419	-0.1390156	-0.1502432	0.202255	0.7828405	0.1597737	0.7860386

SEOGe11stdFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
1.20283291	-0.2841056	-1.0668373	0.18349339	-0.0561328	-0.2028231	0.99285469	0.07854756	2.18236791

SEOGe11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
-0.1339652	-0.4763558	2.28E-01	5.24E-01	-7.89E-02	-7.02E-02	9.90E-01	0.08673893

SEOGe12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
-0.1594178	-0.5549358	0.2468692	0.6009207	-0.1190813	-0.1172364	0.1906445	0.7946001	0.1625197

SEOGe21norFIT

ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
-0.1037775	-0.5153816	0.20417945	0.55341491	-0.064995	-0.1098476	0.04377683	0.99219174	0.4022057	-0.3322612

SEOEe11gedFIT

ma1	omega	alpha1	beta1	gamma1	shape
0.13169331	-0.0339984	-0.0410493	0.99622332	0.06834876	0.93287771

SEOEe12gedFIT

ma1	omega	alpha1	beta1	beta2	gamma1	shape
0.13918071	-0.0869572	-0.0540457	0.23142122	0.75872774	0.15935522	0.93249872

SEOEe11stdFIT

ma1	omega	alpha1	beta1	gamma1	shape
0.11231005	-8.69E-03	-6.21E-02	9.99E-01	6.98E-02	2.40426878

SEOEe11norFIT

ma1	omega	alpha1	beta1	gamma1
0.09372005	-0.0511802	-0.0444223	0.99343304	0.07144402

SEOEe12norFIT

ma1	omega	alpha1	beta1	beta2	gamma1
0.09640659	-0.0877545	-0.0605871	0.50188309	0.48683266	0.11936139

SEAls11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
-9.23E-02	2.20E-01	1.71E-01	-1.66E-01	8.92E-06	4.72E-02	8.98E-01	8.67E-01

SEAle11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.85202276	-0.114147	-0.7758575	0.07947271	-0.4150416	-0.0625134	0.95258249	0.09676487	0.86330733

SEAle12gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.85454673	-0.1155109	-0.7781739	0.08052571	-0.6725016	-0.0767695	0.44228048	0.48095599	0.18525876	0.86396035

SEAle11stdFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.55490252	-0.3082019	-0.4774539	0.30618917	-0.5091335	-0.0957309	0.93892128	0.12462264	2.70239208

SEAls11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1
1.15E+00	-7.82E-01	-1.09E+00	7.44E-01	9.27E-06	6.41E-02	8.81E-01

SEAls12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2
1.36E+00	-7.67E-01	-1.30E+00	7.00E-01	1.52E-05	1.04E-01	3.52E-01	4.54E-01

SEAle11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
1.33244759	-7.58E-01	-1.28E+00	6.99E-01	-3.33E-01	-1.16E-02	9.60E-01	0.12203804

SEAlc12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
1.35E+00	-7.51E-01	-1.29E+00	6.79E-01	7.25E-07	1.04E-01	3.42E-01	4.23E-01	9.96E-01	4.35E-03

SEISe11gedFIT

ar1	omega	alpha1	beta1	gamma1	shape
0.1589329	-0.4912606	-0.1340535	0.9511011	0.1456696	0.904575

SEISe12gedFIT

ar1	omega	alpha1	beta1	beta2	gamma1	shape
0.1588975	-0.749845	-0.1978282	0.3037973	0.6215836	0.2942442	0.9110699

SEISe21gedFIT

ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
0.16460522	-0.2880104	-0.17021	0.06380949	0.97120602	0.59256644	-0.4834314	0.90961553

SEISe11stdFIT

ar1	omega	alpha1	beta1	gamma1	shape
0.137342	-4.13E-01	-1.78E-01	9.56E-01	1.74E-01	2.60E+00

SEISe12stdFIT

ar1	omega	alpha1	beta1	beta2	gamma1	shape
0.1374641	-0.6718063	-0.2615049	0.3049771	0.623905	0.3721351	2.6147388

SEISe11norFIT

ar1	omega	alpha1	beta1	gamma1
0.1318594	-0.473144	-0.1086747	0.9515613	0.1391631

SEISe22norFIT

ar1	omega	alpha1	alpha2	beta1	beta2	gamma1	gamma2
0.11014943	-0.2726401	-0.181614	0.09494868	0.9229756	0.04873426	0.41557813	-0.304848

SEISe12norFIT

ar1	omega	alpha1	beta1	beta2	gamma1
0.1193436	-0.7006075	-0.169225	0.3007938	0.6270666	0.2521312

SEISe21norFIT

ar1	omega	alpha1	alpha2	beta1	gamma1	gamma2
0.1081719	-0.2506471	-0.1826889	0.1024041	0.9739667	0.4144975	-0.3106283

SEISq11norFIT

ar1	omega	alpha1	beta1	gamma1
1.27E-01	2.19E-06	8.46E-03	8.74E-01	1.51E-01

SEISq12norFIT

ar1	omega	alpha1	beta1	beta2	gamma1
1.23E-01	3.25E-06	2.55E-02	1.83E-01	6.10E-01	2.44E-01

SEREe11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
1.40825297	-0.4247089	-1.2836437	0.29789025	-0.2486258	-0.0647748	0.9745194	0.13665223	0.84391082

SEREe11stdFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
1.2183622	-5.00E-01	-1.13E+00	4.36E-01	-1.89E-01	-1.07E-01	9.79E-01	0.1569995	2.4341668

SEREg11stdFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
1.37E+00	-4.59E-01	-1.27E+00	3.62E-01	3.25E-06	3.28E-02	8.96E-01	1.41E-01	2.66E+00

SEREe11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
1.52694933	-0.8676915	-1.5063045	0.82989039	-0.1829215	-0.0314385	0.97905412	0.18450357

SEREe12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
1.509758	-0.8515919	-1.4842496	0.81059337	-0.2916718	-0.0542686	0.38549507	0.58109039	0.29830636

SEAEs11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
9.51E-01	-3.31E-01	-8.26E-01	2.73E-01	4.52E-06	3.36E-02	9.46E-01	7.54E-01

SEAEe11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.10432254	0.07379274	0.01191992	-0.0265342	-0.2742752	-0.1117009	0.96737642	0.10600897	0.76911677

SEAEe11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
-0.0631932	-0.5984139	9.23E-02	6.43E-01	-3.81E-01	-1.08E-01	0.95211751	0.1357473

SEAEe12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
-0.0913633	-0.8381677	0.1129296	0.87049701	-0.4985748	-0.1352621	0.63342533	0.30354962	0.19802068

SESOe11gedFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.12818564	0.05474154	-0.3587906	-0.1249956	0.96281175	0.10600976	0.92629025

SESOe11stdFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.11692521	0.04954154	-0.3546478	-0.1686147	0.96129955	0.11994968	2.67973401

SESOe12stdFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.11636674	0.04740116	-0.4976658	-0.2248449	0.49908684	0.44661212	0.19964747	2.68565312

SETEe11gedFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.08828266	5.55E-02	-3.89E-01	-1.26E-01	9.58E-01	7.77E-02	0.88987056

SETEe12gedFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.08447251	0.05472979	-0.5688089	-0.1635516	0.38353649	0.55448793	0.16057619	0.89213326

SETEs11stdFIT

ma1	ma2	omega	alpha1	beta1	shape
8.72E-02	5.71E-02	4.55E-06	6.36E-02	9.35E-01	2.53E+00

SETEe11stdFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.07832186	0.05457815	-0.2684219	-0.2029359	0.96702704	0.11106631	2.30043313

SETEe12stdFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.07498982	0.05347886	-0.3854005	-0.2669678	0.45309046	0.49941765	0.23219246	2.30748926

SETEe11norFIT

ma1	ma2	omega	alpha1	beta1	gamma1
0.04437356	0.04080813	-0.4506244	-0.1117292	0.95013966	0.07210417

SEBEe12gedFIT

ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape
0.6012529	0.7110618	-0.3485628	-0.4913514	-0.7630628	0.284866	-0.2531981	-0.1151359	0.4016752	0.5723121	0.1610267	0.7991928

SEBEe11stdFIT

ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape

-1.5658302 -0.8356208 -0.0825202 1.65971428 0.98814792 0.1767561 -0.1229362 -0.115327 0.98625165 0.12069565 2.40018367

SEBEe12norFIT

ar1	ar2	ar3	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1
0.13088963	-0.1962767	-0.7311543	-0.0516263	0.16443497	0.77920396	-0.1694371	-0.0998816	0.38186552	0.59939402	0.11181089

SEETe11gedFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.11948186	0.05080448	-0.2792412	-0.1571185	0.97241963	0.11249778	0.85173254

SEETe12gedFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.1186064	0.0494932	-0.4358851	-0.2323012	0.3705041	0.5864831	0.2171837	0.8586162

SEETe11stdFIT

ma1	ma2	omega	alpha1	beta1	gamma1	shape
0.09849095	0.05146057	-0.2667707	-0.2657468	0.97064416	0.15344581	2.30189616

SEETe12stdFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
0.09177738	0.05282813	-0.4300919	-0.3897606	0.38464864	0.56811369	0.30532891	2.32311687

SEETe11norFIT

ma1	ma2	omega	alpha1	beta1	gamma1
0.07679721	0.0427709	-0.1980468	-0.1230021	0.97887775	0.13305754

SEETe12norFIT

ma1	ma2	omega	alpha1	beta1	beta2	gamma1
0.06780065	0.03901366	-0.3029492	-0.1913848	0.33373175	0.63367035	0.23241117

SECHe11gedFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape
-1.0087352	-0.6969861	1.1057051	0.8346116	0.1001503	-0.2825593	-0.1397852	0.9708006	0.1098032	0.8651619

SECHe12gedFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape
-0.7041772	-0.6749821	0.79362038	0.78085223	0.07433335	-0.4186301	-0.2036661	0.4043816	0.55240157	0.19090675	0.8707799

SECHe11stdFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1	shape
-0.6635998	-0.8246166	0.7422196	0.90775743	0.07101424	-0.2397231	-0.2104093	0.97275396	0.1528053	2.39852244

SECHe12stdFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1	shape
-1.089571	-0.6860677	1.16829712	0.80478108	0.08535418	-0.371552	-0.3165437	0.40410215	0.55363372	0.27570041	2.39675214

SECHe11norFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	gamma1
-0.6856078	-0.6679099	0.7611696	0.78413254	0.05400092	-0.1982471	-0.0930761	0.9786146	0.08498046

SECHe12norFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	beta1	beta2	gamma1
-0.653399	-0.7104544	0.7220374	0.81233717	0.04524366	-0.3118765	-0.1408148	0.36745038	0.59879277	0.14563788

SECHe21norFIT

ar1	ar2	ma1	ma2	ma3	omega	alpha1	alpha2	beta1	gamma1	gamma2
-0.7013841	-0.7603843	0.78462222	0.86339623	0.06394885	-0.1220976	-0.1267607	0.05425066	0.98664817	0.34975916	-0.2832693

SEAPe11gedFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
-0.0857377	-0.9146254	0.12247719	0.21568839	0.94265172	-0.0904187	-0.0623886	0.98999997	0.0863837	0.78505114

SEAPe11stdFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1	shape
-1.0001834	-0.3547287	0.10795578	1.10940359	0.53011882	-0.0685578	-0.0950615	0.99144495	0.11578552	2.41027134

SEAPe12stdFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1	shape
-1.0116738	-0.3775712	1.09E-01	1.12E+00	5.54E-01	-0.1160529	-0.1523501	0.2109727	0.7743548	0.246176	2.4037162

SEAPe11norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1
-0.5604243	-0.7397141	0.07018747	0.64606274	0.85182306	-0.050985	-0.0318206	0.99375276	0.05623229

SEAPe12norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
-0.5625151	-0.750227	0.07117162	0.64917839	0.86209466	-0.0967216	-0.05231	0.20538483	0.78254565	0.12729488

BITCs11gedFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	shape
1.02E+00	-9.93E-02	4.93E-02	-1.05E+00	1.05E-01	4.71E-05	2.28E-01	7.71E-01	8.87E-01

BITCs12gedFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	shape
1.01E+00	-9.27E-02	4.92E-02	-1.04E+00	1.03E-01	5.57E-05	2.88E-01	3.84E-01	3.26E-01	8.92E-01

BITCc12gedFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
1.04E+00	-1.14E-01	4.80E-02	-1.06E+00	1.20E-01	2.60E-05	1.50E-01	3.45E-01	4.07E-01	9.95E-01	1.42E-01	9.01E-01

BITCe11norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	gamma1
1.10273413	-1.03E+00	2.43E-02	-1.08E+00	9.98E-01	-3.26E-01	-0.0367095	0.94320799	0.42924983

BITCe12norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
0.51747752	-0.9614617	0.0043715	-0.4927549	0.95707569	-0.3564198	-0.0366272	0.70347807	0.23417903	0.52437829

BITCc11norFIT

ar1	ar2	ar3	ma1	ma2	omega	alpha1	beta1	eta11	eta21
1.09E+00	-1.01E+00	8.06E-03	-1.08E+00	9.99E-01	3.58E-05	1.49E-01	1.67E-01	9.90E-01	1.67E-01

LITCs11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	shape
0.13261749	-0.9817488	-0.1326175	0.98174878	5.9726E-05	0.13527658	0.86372338	0.72179984

LITCc11gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21	shape
5.92E-01	-2.67E-01	-7.22E-01	2.95E-01	4.50E-06	1.16E-01	8.37E-01	9.98E-01	2.90E-02	7.52E-01

LITCc12gedFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21	shape
5.26E-01	-2.43E-01	-6.69E-01	2.70E-01	3.79E-06	1.55E-01	5.04E-01	2.83E-01	9.99E-01	2.81E-02	7.52E-01

LITCs11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1
1.19548681	-0.9318371	-1.2285105	0.94853467	0.00013493	0.11617504	0.86345253

LITCe11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
1.12661548	-0.8822682	-1.1959043	0.90592379	-0.2186171	0.02739413	0.95403835	0.24145058

LITCe12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	gamma1
1.10363119	-0.8765396	-1.1731837	0.89249261	-0.2419563	0.03059883	0.83259816	0.11651735	0.26724772

LITCe21norFIT

ar1	ar2	ma1	ma2	omega	alpha1	alpha2	beta1	gamma1	gamma2
1.11047667	-0.8688273	-1.1909366	0.89732959	-0.1942005	0.09483644	-0.0740128	0.95888346	0.34269642	-0.1152959

LITCg11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	gamma1
0.77655041	-0.9914967	-0.7695857	0.98532869	0.0001416	0.14306217	0.85663384	-0.042099

LITCc11norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	eta11	eta21
7.76E-01	-9.92E-01	-7.67E-01	9.86E-01	7.52E-05	7.97E-02	8.85E-01	9.98E-01	9.44E-02

LITCc12norFIT

ar1	ar2	ma1	ma2	omega	alpha1	beta1	beta2	eta11	eta21
7.76E-01	-9.92E-01	-7.67E-01	9.86E-01	7.45E-05	8.76E-02	7.82E-01	9.18E-02	9.98E-01	9.36E-02

GREXe11gedFIT

ar1	ar2	omega	alpha1	beta1	gamma1	shape
0.10658173	0.03186168	-9.9999039	-0.1409512	0.25751563	0.66872632	0.77608154

GREXe12gedFIT

ar1	ar2	omega	alpha1	beta1	beta2	gamma1	shape
0.10484799	0.03214251	-9.9999985	-0.0783836	0.99999982	-0.7415669	0.51834868	0.80065368

GREXe21gedFIT

ar1	ar2	omega	alpha1	alpha2	beta1	gamma1	gamma2	shape
0.10724281	0.03037918	-0.0793137	-0.1399522	0.13922083	0.99410682	0.59199552	-0.5690947	0.77126936

DAXPs11gedFIT

omega	alpha1	beta1	shape
3.40E-06	6.05E-02	8.66E-01	9.08E-01

DAXPs11stdFIT

omega	alpha1	beta1	shape
4.78E-06	8.93E-02	8.70E-01	2.67E+00

DAXPs12norFIT

omega	alpha1	beta1	beta2
6.43E-06	1.01E-01	2.39E-01	5.24E-01

DAXPe11norFIT

omega	alpha1	beta1	gamma1
-1.1122331	-0.0376413	0.8867242	0.17061753

DAXPg11norFIT

omega	alpha1	beta1	gamma1
5.05E-06	4.66E-02	8.25E-01	4.44E-02

ARCH LM

DJACe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	20.49	0.5	2	5.99E-06
ARCH Lag[5]	33.52	1.44	1.667	7.98E-09
ARCH Lag[7]	75.14	2.315	1.543	0.00E+00

DJACe12edFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	13.8	0.5	2.00E+00	2.04E-04
ARCH Lag[6]	30.57	1.461	1.71E+00	7.62E-08
ARCH Lag[8]	69.18	2.368	1.58E+00	0.00E+00

DJACe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.76	0.5	2.00E+00	3.54E-04
ARCH Lag[5]	19.42	1.44	1.67E+00	2.99E-05
ARCH Lag[7]	73.11	2.315	1.54E+00	0.00E+00

DJACe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.76	0.5	2	3.54E-04
ARCH Lag[5]	19.42	1.44	1.667	2.99E-05
ARCH Lag[7]	73.11	2.315	1.543	0.00E+00

DJACe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.317	0.5	2	3.93E-03
ARCH Lag[6]	30.455	1.461	1.711	8.13E-08
ARCH Lag[8]	78.051	2.368	1.583	0.00E+00

DJACe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	22.43	0.5	2	2.18E-06
ARCH Lag[5]	36.06	1.44	1.667	1.79E-09
ARCH Lag[7]	78.41	2.315	1.543	0.00E+00

DJACe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	14.21	0.5	2	1.64E-04
ARCH Lag[6]	33.12	1.461	1.711	1.77E-08
ARCH Lag[8]	74.16	2.368	1.583	0.00E+00

DJACe21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.999	0.5	2	2.70E-03
ARCH Lag[6]	24.958	1.461	1.711	1.85E-06
ARCH Lag[8]	65.531	2.368	1.583	1.11E-16

DJALs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	17.45	0.5	2	2.96E-05
ARCH Lag[5]	30.35	1.44	1.667	5.13E-08
ARCH Lag[7]	48.28	2.315	1.543	2.10E-12

DJALe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.14	0.5	2	5.89E-05
ARCH Lag[5]	28.53	1.44	1.667	1.48E-07
ARCH Lag[7]	45.48	2.315	1.543	1.19E-11

DJALe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	47.29	0.5	2	6.14E-12
ARCH Lag[6]	83.73	1.461	1.711	0.00E+00
ARCH Lag[8]	88.02	2.368	1.583	0.00E+00

DJALc11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.152	0.5	2	0.283086
ARCH Lag[5]	4.246	1.44	1.667	0.153008
ARCH Lag[7]	14.591	2.315	1.543	0.001456

DJALe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	13.95	0.5	2	1.88E-04
ARCH Lag[5]	25.78	1.44	1.667	7.40E-07
ARCH Lag[7]	40.84	2.315	1.543	2.12E-10

DJALg11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	15.51	0.5	2	8.21E-05
ARCH Lag[5]	27.6	1.44	1.667	2.56E-07
ARCH Lag[7]	41.13	2.315	1.543	1.77E-10

DJALe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.79	0.5	2	3.49E-04
ARCH Lag[5]	23.89	1.44	1.667	2.24E-06
ARCH Lag[7]	41.63	2.315	1.543	1.29E-10

DJALe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	11.83	0.5	2	5.82E-04
ARCH Lag[6]	16.1	1.461	1.711	2.72E-04
ARCH Lag[8]	42.58	2.368	1.583	1.63E-10

DJCCe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.54	0.5	2	4.77E-05
ARCH Lag[5]	27.54	1.44	1.667	2.65E-07
ARCH Lag[7]	38.08	2.315	1.543	1.15E-09

DJCCe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	10.47	0.5	2	1.21E-03
ARCH Lag[6]	15.13	1.461	1.711	4.68E-04
ARCH Lag[8]	29.37	2.368	1.583	4.22E-07

DJCCs11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.5	0.5	2	4.86E-05
ARCH Lag[5]	28.05	1.44	1.667	1.97E-07
ARCH Lag[7]	36.61	2.315	1.543	2.85E-09

DJCCe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.08	0.5	2	6.07E-05
ARCH Lag[5]	27.08	1.44	1.667	3.47E-07
ARCH Lag[7]	37.63	2.315	1.543	1.53E-09

DJCFe22gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	1.272	0.5	2.00E+00	0.259407
ARCH Lag[7]	9.689	1.473	1.75E+00	0.010651
ARCH Lag[9]	13.272	2.402	1.62E+00	0.004984

DJCFe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	11.12	0.5	2	0.000853
ARCH Lag[6]	11.96	1.461	1.711	0.0027019
ARCH Lag[8]	15.96	2.368	1.583	0.0009289

DJCFg23gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.439	0.5	2	0.0063822
ARCH Lag[6]	8.939	1.461	1.711	0.0140911
ARCH Lag[8]	16.979	2.368	1.583	0.0005263

DJCFe21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.984	0.5	2	0.0144396
ARCH Lag[6]	7.381	1.461	1.711	0.032524
ARCH Lag[8]	17.269	2.368	1.583	0.0004474

DJCFe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	9.419	0.5	2	2.15E-03
ARCH Lag[5]	17.922	1.44	1.667	7.13E-05
ARCH Lag[7]	21.496	2.315	1.543	2.65E-05

DJCFe22norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	1.41	0.5	2.00E+00	0.235122
ARCH Lag[7]	9.051	1.473	1.75E+00	0.014936
ARCH Lag[9]	12.25	2.402	1.62E+00	0.008486

DJCFe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	10.37	0.5	2	0.001278
ARCH Lag[6]	10.87	1.461	1.711	0.004939
ARCH Lag[8]	15.23	2.368	1.583	0.001391

DJCFe21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.121	0.5	2	0.0043747
ARCH Lag[6]	9.263	1.461	1.711	0.0118221
ARCH Lag[8]	17.346	2.368	1.583	0.0004288

DJCFg22norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	0.4613	0.5	2	0.49703
ARCH Lag[7]	8.5457	1.473	1.746	0.0195
ARCH Lag[9]	10.5319	2.402	1.619	0.02039

DJCFg21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.295	0.5	2	0.012111
ARCH Lag[6]	7.255	1.461	1.711	0.034781
ARCH Lag[8]	15.341	2.368	1.583	0.001306

DJCPe22stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	1.357	0.5	2	0.2440956
ARCH Lag[7]	14.329	1.473	1.746	0.0008786
ARCH Lag[9]	16.795	2.402	1.619	0.0007611

DJCPe21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.1199	0.5	2	0.729183
ARCH Lag[6]	4.0909	1.461	1.711	0.17989
ARCH Lag[8]	11.9617	2.368	1.583	0.008143

DJCFg23gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.5323	0.5	2	0.4656
ARCH Lag[6]	1.0979	1.461	1.711	0.7198
ARCH Lag[8]	3.2195	2.368	1.583	0.5032

DJCFg21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	1.726	0.5	2	0.1889
ARCH Lag[6]	2.577	1.461	1.711	0.3763
ARCH Lag[8]	3.54	2.368	1.583	0.4477

DJSta12tdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	1.432	0.5	2	0.2314
ARCH Lag[6]	4.66	1.461	1.711	0.1349
ARCH Lag[8]	5.467	2.368	1.583	0.2031

DJSta11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	10.89	0.5	2	0.0009674
ARCH Lag[5]	12.94	1.44	1.667	0.0012436
ARCH Lag[7]	14.13	2.315	1.543	0.0018877

DJSta12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	2.722	0.5	2	0.09899
ARCH Lag[6]	3.539	1.461	1.711	0.23671
ARCH Lag[8]	4.589	2.368	1.583	0.29592

DJSta22stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	2.794	0.5	2	0.09463
ARCH Lag[6]	3.599	1.461	1.711	0.22988
ARCH Lag[8]	4.57	2.368	1.583	0.29826

DJNls11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.645	0.5	2	0.10388
ARCH Lag[5]	4.914	1.44	1.667	0.10756
ARCH Lag[7]	10.035	2.315	1.543	0.01806

DJNle21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.265	0.5	2	0.13237
ARCH Lag[5]	4.822	1.461	1.711	0.12418
ARCH Lag[7]	8.899	2.368	1.583	0.03976

DJNle11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	3.835	0.5	2	0.050193
ARCH Lag[5]	6.667	1.44	1.667	0.041792
ARCH Lag[7]	11.258	2.315	1.543	0.009323

DJNle22norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	1.078	0.5	2	0.29914
ARCH Lag[7]	7.446	1.473	1.746	0.03466
ARCH Lag[9]	8.167	2.402	1.619	0.06502

DJSlg12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.397	0.5	2	0.006533
ARCH Lag[6]	9.577	1.461	1.711	0.00997
ARCH Lag[8]	13.012	2.368	1.583	0.004643

DJSls11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	7.489	0.5	2	0.0062072
ARCH Lag[5]	14.125	1.44	1.667	0.0006327
ARCH Lag[7]	16.304	2.315	1.543	0.0005474

DJSlg11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	7.895	0.5	2	0.004957
ARCH Lag[5]	14.808	1.44	1.667	0.0004279
ARCH Lag[7]	16.935	2.315	1.543	0.0003807

DJSlc11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.993	0.5	2	0.025447
ARCH Lag[5]	8.883	1.44	1.667	0.012284
ARCH Lag[7]	12.845	2.315	1.543	0.003885

DJSUs11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	10.56	0.5	2	1.16E-03
ARCH Lag[5]	26.52	1.44	1.667	4.82E-07
ARCH Lag[7]	47.05	2.315	1.543	4.53E-12

DJSUe22stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	1.131	0.5	2	2.88E-01
ARCH Lag[7]	23.292	1.473	1.746	6.39E-06
ARCH Lag[9]	26.458	2.402	1.619	3.51E-06

DJSUe21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	13.97	0.5	2.00E+00	1.86E-04
ARCH Lag[6]	21.42	1.461	1.71E+00	1.37E-05
ARCH Lag[8]	35.98	2.368	1.58E+00	8.44E-09

DJSUg22stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	0.803	0.5	2	3.70E-01
ARCH Lag[7]	26.948	1.473	1.746	8.40E-07
ARCH Lag[9]	31.385	2.402	1.619	2.10E-07

DJSUp21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	17.26	0.5	2	3.26E-05
ARCH Lag[6]	28.83	1.461	1.711	2.06E-07
ARCH Lag[8]	43.56	2.368	1.583	9.05E-11

DJSUs12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	16.86	0.5	2	4.03E-05
ARCH Lag[6]	25.2	1.461	1.711	1.62E-06
ARCH Lag[8]	38.94	2.368	1.583	1.45E-09

DJWEe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	17.49	0.5	2	2.88E-05
ARCH Lag[5]	32.61	1.44	1.667	1.36E-08
ARCH Lag[7]	54.5	2.315	1.543	4.36E-14

DJWEe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	17.63	0.5	2	2.68E-05
ARCH Lag[6]	24.65	1.461	1.711	2.21E-06
ARCH Lag[8]	45.7	2.368	1.583	2.51E-11

DJWEe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.21	0.5	2	5.68E-05
ARCH Lag[5]	30.33	1.44	1.667	5.18E-08
ARCH Lag[7]	53	2.315	1.543	1.11E-13

DJWEe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	15.86	0.5	2	6.83E-05
ARCH Lag[6]	23.82	1.461	1.711	3.52E-06
ARCH Lag[8]	42.15	2.368	1.583	2.12E-10

DJWEe11norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	15.6	0.5	2	7.81E-05
ARCH Lag[5]	29.54	1.44	1.667	8.22E-08
ARCH Lag[7]	48.99	2.315	1.543	1.35E-12

DJWEe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	16.2	0.5	2	5.69E-05
ARCH Lag[6]	21.75	1.461	1.711	1.14E-05
ARCH Lag[8]	43.5	2.368	1.583	9.43E-11

DJWEg11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	15.8	0.5	2	7.03E-05
ARCH Lag[5]	30.74	1.44	1.667	4.06E-08
ARCH Lag[7]	49.08	2.315	1.543	1.28E-12

DJZle22stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	0.7772	0.5	2	0.378
ARCH Lag[7]	10.8228	1.473	1.746	0.005822
ARCH Lag[9]	11.9521	2.402	1.619	0.009895

DJZle21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	3.682	0.5	2	0.054991
ARCH Lag[6]	6.302	1.461	1.711	0.057587
ARCH Lag[8]	13.963	2.368	1.583	0.002775

DJZls11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.023	0.5	2	0.04488
ARCH Lag[5]	8.974	1.44	1.667	0.011674
ARCH Lag[7]	13.445	2.315	1.543	0.002778

DJZle11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.224	0.5	2	0.039857
ARCH Lag[5]	9.659	1.44	1.667	0.007958
ARCH Lag[7]	14.603	2.315	1.543	0.001446

DJZle12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.669	0.5	2	0.017271
ARCH Lag[6]	9.852	1.461	1.711	0.008584
ARCH Lag[8]	13.037	2.368	1.583	0.004582

DJZlg12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.102	0.5	2	0.04282
ARCH Lag[6]	7.084	1.461	1.711	0.03809
ARCH Lag[8]	10.21	2.368	1.583	0.02038

DJLHe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.41	0.5	2	5.09E-05
ARCH Lag[5]	25.1	1.44	1.667	1.10E-06
ARCH Lag[7]	36.17	2.315	1.543	3.73E-09

DJLHe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	10.32	0.5	2	1.32E-03
ARCH Lag[6]	17.39	1.461	1.711	1.33E-04

ARCH Lag[8]	28.69	2.368	1.583	6.30E-07

DJLHe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	14.62	0.5	2	1.31E-04
ARCH Lag[5]	22.67	1.44	1.667	4.54E-06
ARCH Lag[7]	33.28	2.315	1.543	2.19E-08

DJLHe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	10.27	0.5	2	1.35E-03
ARCH Lag[6]	17.69	1.461	1.711	1.12E-04
ARCH Lag[8]	27.93	2.368	1.583	9.82E-07

DJLHe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	15.07	0.5	2	1.03E-04
ARCH Lag[5]	22.71	1.44	1.667	4.44E-06
ARCH Lag[7]	34.32	2.315	1.543	1.16E-08

DJLHe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	9.018	0.5	2	2.67E-03
ARCH Lag[6]	15.108	1.461	1.711	4.74E-04
ARCH Lag[8]	27.726	2.368	1.583	1.11E-06

DJLHe21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.11	0.5	2	4.40E-03
ARCH Lag[6]	14.91	1.461	1.711	5.28E-04
ARCH Lag[8]	33.25	2.368	1.583	4.28E-08

DJNGe21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	Lag[4]	3.371	0.5	2
ARCH Lag[6]	Lag[6]	13.031	1.461	1.711
ARCH Lag[8]	Lag[8]	27.511	2.368	1.583

DJNGe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	10.37	0.5	2	1.28E-03
ARCH Lag[6]	17.53	1.461	1.711	1.23E-04
ARCH Lag[8]	37.86	2.368	1.583	2.77E-09

DJPEe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.77	0.5	2	3.52E-04
ARCH Lag[5]	19.54	1.44	1.667	2.80E-05
ARCH Lag[7]	26.38	2.315	1.543	1.44E-06

DJPEe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.346	0.5	2	0.0067204
ARCH Lag[6]	7.814	1.461	1.711	0.025799
ARCH Lag[8]	16.061	2.368	1.583	0.0008767

DJPEe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.36	0.5	2	4.39E-04
ARCH Lag[5]	19.02	1.44	1.667	3.78E-05
ARCH Lag[7]	25.79	2.315	1.543	2.05E-06

DJPEe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.903	0.5	2	0.0049347
ARCH Lag[6]	8.29	1.461	1.711	0.0199861
ARCH Lag[8]	17.093	2.368	1.583	0.0004937

DJPEe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.85	0.5	2	3.38E-04
ARCH Lag[5]	19.54	1.44	1.667	2.80E-05
ARCH Lag[7]	26.74	2.315	1.543	1.16E-06

DJPEe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.686	0.5	2	0.0097169
ARCH Lag[6]	7.378	1.461	1.711	0.0325713
ARCH Lag[8]	15.971	2.368	1.583	0.0009216

DJSOe21gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.403	0.5	2	0.020099
ARCH Lag[6]	8.519	1.461	1.711	0.0176707
ARCH Lag[8]	17.639	2.368	1.583	0.0003639

DJSOe21stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.513	0.5	2	0.0336285
ARCH Lag[6]	7.686	1.461	1.711	0.0276381
ARCH Lag[8]	18.011	2.368	1.583	0.0002953

DJSOe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	6.538	0.5	2	0.0105583
ARCH Lag[5]	12.286	1.44	1.667	0.0018056
ARCH Lag[7]	18.603	2.315	1.543	0.0001446

DJSOe22norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	2.386	0.5	2	0.122394
ARCH Lag[7]	13.727	1.473	1.746	0.001218
ARCH Lag[9]	14.989	2.402	1.619	0.00201

DJSOe21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.63	0.5	2	0.0100288
ARCH Lag[6]	9.601	1.461	1.711	0.0098419
ARCH Lag[8]	18.384	2.368	1.583	0.0002393

SEFPs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.463	0.5	2	3.46E-02
ARCH Lag[5]	7.668	1.44	1.667	2.41E-02
ARCH Lag[7]	21.322	2.315	1.543	2.93E-05

SEFPe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	5.612	0.5	2	1.78E-02
ARCH Lag[5]	11.296	1.44	1.667	3.17E-03
ARCH Lag[7]	25.383	2.315	1.543	2.61E-06

SEFPe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.665	0.5	2	3.08E-02
ARCH Lag[6]	9.373	1.461	1.711	1.11E-02
ARCH Lag[8]	23.663	2.368	1.583	1.18E-05

SEFPe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	6.67	0.5	2	9.81E-03
ARCH Lag[5]	12.62	1.44	1.667	1.49E-03
ARCH Lag[7]	25.72	2.315	1.543	2.14E-06

SEFPe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.038	0.5	2	2.48E-02
ARCH Lag[6]	8.376	1.461	1.711	1.91E-02
ARCH Lag[8]	22.175	2.368	1.583	2.77E-05

SEFPe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	3.583	0.5	2	5.84E-02
ARCH Lag[5]	5.895	1.44	1.667	6.36E-02
ARCH Lag[7]	19.404	2.315	1.543	9.06E-05

SEFPe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.431	0.5	2	3.53E-02
ARCH Lag[5]	8.991	1.44	1.667	1.16E-02
ARCH Lag[7]	23.282	2.315	1.543	9.17E-06

SEFPe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.76	0.5	2	2.91E-02
ARCH Lag[6]	9.462	1.461	1.711	1.06E-02
ARCH Lag[8]	24.745	2.368	1.583	6.29E-06

SEECs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.9534	0.5	2	0.3289
ARCH Lag[5]	1.0956	1.44	1.667	0.7048
ARCH Lag[7]	1.9034	2.315	1.543	0.7378

SEECe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.9201	0.5	2	0.3375
ARCH Lag[5]	1.1151	1.44	1.667	0.6991
ARCH Lag[7]	1.7346	2.315	1.543	0.7733

SEECe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.1737	0.5	2	0.6768
ARCH Lag[6]	0.4713	1.461	1.711	0.9
ARCH Lag[8]	1.1188	2.368	1.583	0.9061

SEECe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.2269	0.5	2	0.6338
ARCH Lag[6]	0.4373	1.461	1.711	0.9093
ARCH Lag[8]	1.0477	2.368	1.583	0.9172

SEECs12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.1048	0.5	2	0.7462
ARCH Lag[6]	0.3336	1.461	1.711	0.9368
ARCH Lag[8]	1.3178	2.368	1.583	0.8727

SEECe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.3619	0.5	2	0.5475
ARCH Lag[6]	0.6177	1.461	1.711	0.8586
ARCH Lag[8]	1.391	2.368	1.583	0.8597

SEFEe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	Lag[3]	1.02	0.5	2
ARCH Lag[5]	Lag[5]	1.261	1.44	1.667
ARCH Lag[7]	Lag[7]	1.704	2.315	1.543

SEFEe12stdFIT

	Statistic	Shape	Scale	P-Value

ARCH Lag[3]	1.2	0.5	2	0.2733
ARCH Lag[5]	1.62	1.44	1.667	0.5613
ARCH Lag[7]	1.946	2.315	1.543	0.7288

SEUTe11norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.264	0.5	2	0.1324
ARCH Lag[5]	3.044	1.44	1.667	0.2834
ARCH Lag[7]	3.657	2.315	1.543	0.3987

SEUTe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.8729	0.5	2	0.3502
ARCH Lag[6]	1.1801	1.461	1.711	0.6967
ARCH Lag[8]	2.4341	2.368	1.583	0.6537

SEUTe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.754	0.5	2	0.02922
ARCH Lag[5]	6.888	1.44	1.667	0.03703
ARCH Lag[7]	8.091	2.315	1.543	0.0501

SEUTe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.6086	0.5	2	0.4353
ARCH Lag[6]	2.4983	1.461	1.711	0.3905
ARCH Lag[8]	3.2874	2.368	1.583	0.4911

SEUTe11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.197	0.5	2	0.1383
ARCH Lag[5]	2.357	1.44	1.667	0.3975
ARCH Lag[7]	3.756	2.315	1.543	0.3832

SEUTe11stdFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	5.207	0.5	2	0.0225
ARCH Lag[5]	7.258	1.44	1.667	0.03022
ARCH Lag[7]	8.369	2.315	1.543	0.0434

SEUTe11stdFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.715	0.5	2	0.1903
ARCH Lag[5]	2.047	1.44	1.667	0.461
ARCH Lag[7]	3.434	2.315	1.543	0.4355

SEUTe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	5.352	0.5	2	0.0207
ARCH Lag[5]	7.798	1.44	1.667	0.02245
ARCH Lag[7]	9.154	2.315	1.543	0.02883

SEUTe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.3321	0.5	2	0.5644
ARCH Lag[6]	2.6667	1.461	1.711	0.3608
ARCH Lag[8]	3.6571	2.368	1.583	0.4284

SETRe11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	3.749	0.5	2	0.05283
ARCH Lag[5]	5.242	1.44	1.667	0.09033
ARCH Lag[7]	7.118	2.315	1.543	0.08192

SETRe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	3.178	0.5	2	0.074614
ARCH Lag[6]	7.447	1.461	1.711	0.031392
ARCH Lag[8]	12.811	2.368	1.583	0.005173

SETRe11norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	5.217	0.5	2	0.02236
ARCH Lag[5]	7.809	1.44	1.667	0.0223
ARCH Lag[7]	10.686	2.315	1.543	0.01272

SETRe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	3.356	0.5	2	0.06694
ARCH Lag[6]	5.371	1.461	1.711	0.09361
ARCH Lag[8]	8.98	2.368	1.583	0.03817

SETRg12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.385	0.5	2	0.020316
ARCH Lag[6]	8.573	1.461	1.711	0.017167
ARCH Lag[8]	11.789	2.368	1.583	0.008922

SEMOe11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	11.06	0.5	2	8.82E-04
ARCH Lag[5]	13.29	1.44	1.667	1.02E-03
ARCH Lag[7]	21.78	2.315	1.543	2.24E-05

SEMOe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	3.58	0.5	2	0.058462
ARCH Lag[6]	5.824	1.461	1.711	0.07397
ARCH Lag[8]	13.412	2.368	1.583	0.003742

SEMOe11stdFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	11.67	0.5	2	6.35E-04
ARCH Lag[5]	14.27	1.44	1.667	5.82E-04
ARCH Lag[7]	22.12	2.315	1.543	1.83E-05

SEOGe11norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	10.71	0.5	2	1.07E-03
ARCH Lag[5]	12.63	1.44	1.667	1.49E-03
ARCH Lag[7]	20.82	2.315	1.543	3.94E-05

SEOGe11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.94	0.5	2	3.22E-04
ARCH Lag[5]	21.87	1.44	1.667	7.25E-06
ARCH Lag[7]	30.18	2.315	1.543	1.45E-07

SEOGe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.871	0.5	2	0.0087606
ARCH Lag[6]	7.731	1.461	1.711	0.0269764
ARCH Lag[8]	17.786	2.368	1.583	0.0003349

SEOGe11stdFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12.43	0.5	2	4.23E-04
ARCH Lag[5]	21.52	1.44	1.667	8.88E-06
ARCH Lag[7]	31.4	2.315	1.543	6.88E-08

SEOGe11norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	10.69	0.5	2	1.08E-03
ARCH Lag[5]	19.97	1.44	1.667	2.19E-05
ARCH Lag[7]	27.95	2.315	1.543	5.59E-07

SEOGe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.743	0.5	2	0.0053919
ARCH Lag[6]	8.874	1.461	1.711	0.0145937
ARCH Lag[8]	19.502	2.368	1.583	0.0001273

SEOGe21norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.022	0.5	2	4.62E-03
ARCH Lag[6]	10.4	1.461	1.711	6.37E-03
ARCH Lag[8]	27.059	2.368	1.583	1.64E-06

SEOEe11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	26.77	0.5	2	2.30E-07
ARCH Lag[5]	44.7	1.44	1.667	1.10E-11
ARCH Lag[7]	62.77	2.315	1.543	2.22E-16

SEOEe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	21	0.5	2	4.60E-06
ARCH Lag[6]	23.73	1.461	1.711	3.72E-06
ARCH Lag[8]	45.4	2.368	1.583	3.00E-11

SEOEe11stdFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	25.68	0.5	2	4.02E-07
ARCH Lag[5]	43.39	1.44	1.667	2.38E-11
ARCH Lag[7]	62.4	2.315	1.543	3.33E-16

SEOEe11norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	26.9	0.5	2	2.14E-07
ARCH Lag[5]	45.17	1.44	1.667	8.32E-12
ARCH Lag[7]	62.86	2.315	1.543	2.22E-16

SEOEe12norFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	22.34	0.5	2	2.29E-06
ARCH Lag[6]	24.73	1.461	1.711	2.11E-06
ARCH Lag[8]	48.55	2.368	1.583	4.49E-12

SEAIs11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.091	0.5	2	0.2963
ARCH Lag[5]	1.329	1.44	1.667	0.6385
ARCH Lag[7]	3.506	2.315	1.543	0.4234

SEAIe11gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.866	0.5	2	0.3521
ARCH Lag[5]	1.059	1.44	1.667	0.7156
ARCH Lag[7]	2.32	2.315	1.543	0.6497

SEAIe12gedFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.1899	0.5	2	0.663
ARCH Lag[6]	0.4321	1.461	1.711	0.9107
ARCH Lag[8]	2.797	2.368	1.583	0.5821

SEAIe11stdFIT

Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.8162	0.5	2	0.3663
ARCH Lag[5]	1.0649	1.44	1.667	0.7138
ARCH Lag[7]	2.0397	2.315	1.543	0.7089

SEAs11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.746	0.5	2	0.1864
ARCH Lag[5]	2.517	1.44	1.667	0.3679
ARCH Lag[7]	5.032	2.315	1.543	0.2214

SEAs12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.6957	0.5	2	0.4042
ARCH Lag[6]	1.2709	1.461	1.711	0.6716
ARCH Lag[8]	5.6909	2.368	1.583	0.184

SEAle11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.058	0.5	2	0.3037
ARCH Lag[5]	1.756	1.44	1.667	0.5278
ARCH Lag[7]	4.369	2.315	1.543	0.2964

SEAlc12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.661	0.5	2	0.4162
ARCH Lag[6]	1.174	1.461	1.711	0.6984
ARCH Lag[8]	5.43	2.368	1.583	0.2065

SEISe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	9.5	0.5	2	2.06E-03
ARCH Lag[5]	17.48	1.44	1.667	9.19E-05
ARCH Lag[7]	42.98	2.315	1.543	5.65E-11

SEISe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.399	0.5	2	3.75E-03
ARCH Lag[6]	13.322	1.461	1.711	1.28E-03
ARCH Lag[8]	41.571	2.368	1.583	3.00E-10

SEISe21gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.907	0.5	2	2.68E-02
ARCH Lag[6]	8.777	1.461	1.711	1.54E-02
ARCH Lag[8]	40.879	2.368	1.583	4.54E-10

SEISe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	8.7	0.5	2	3.18E-03
ARCH Lag[5]	15.66	1.44	1.667	2.62E-04
ARCH Lag[7]	44.71	2.315	1.543	1.93E-11

SEISe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	8.202	0.5	2	4.19E-03
ARCH Lag[6]	13.294	1.461	1.711	1.30E-03
ARCH Lag[8]	42.93	2.368	1.583	1.33E-10

SEISe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	9.88	0.5	2	1.67E-03
ARCH Lag[5]	17.69	1.44	1.667	8.16E-05
ARCH Lag[7]	42.83	2.315	1.543	6.17E-11

SEISe22norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	0.3568	0.5	2	5.50E-01
ARCH Lag[7]	41.8263	1.473	1.746	2.04E-10
ARCH Lag[9]	47.8411	2.402	1.619	1.43E-11

SEIse12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.493	0.5	2	6.19E-03
ARCH Lag[6]	12.199	1.461	1.711	2.37E-03
ARCH Lag[8]	45.54	2.368	1.583	2.75E-11

SEISe21norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.273	0.5	2	2.17E-02
ARCH Lag[6]	9.492	1.461	1.711	1.04E-02
ARCH Lag[8]	42.945	2.368	1.583	1.31E-10

SERe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[5]	13.65	0.5	2	2.21E-04
ARCH Lag[7]	24.41	1.44	1.667	1.65E-06
ARCH Lag[9]	47.32	2.315	1.543	3.82E-12

SERe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	10.57	0.5	2	1.15E-03
ARCH Lag[6]	14.92	1.461	1.711	5.26E-04
ARCH Lag[8]	41.7	2.368	1.583	2.77E-10

SEREe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.4019	0.5	2	0.5261
ARCH Lag[5]	0.4587	1.44	1.667	0.8958
ARCH Lag[7]	0.7831	2.315	1.543	0.9461

SEREe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.2828	0.5	2	0.5948
ARCH Lag[5]	0.3092	1.44	1.667	0.9378
ARCH Lag[7]	0.6174	2.315	1.543	0.9666

SEREg11stdFIT

	Statistic	Shape	Scale	P-Value
Lag[3]	0.4518	0.5	2	0.5015
Lag[5]	0.621	1.44	1.667	0.8474
Lag[7]	0.9117	2.315	1.543	0.9275

SEREe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.472	0.5	2	0.2251
ARCH Lag[5]	2.149	1.44	1.667	0.4393
ARCH Lag[7]	3.286	2.315	1.543	0.4612

SEREe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.4827	0.5	2	0.4872
ARCH Lag[6]	0.924	1.461	1.711	0.7697
ARCH Lag[8]	3.3658	2.368	1.583	0.4774

SEAEs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.737	0.5	2	9.81E-02
ARCH Lag[5]	3.002	1.44	1.667	2.90E-01
ARCH Lag[7]	31.359	2.315	1.543	7.07E-08

SEAEe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.627	0.5	2	3.15E-02
ARCH Lag[5]	5.516	1.44	1.667	7.80E-02
ARCH Lag[7]	29.146	2.315	1.543	2.71E-07

SEAEe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.831	0.5	2	2.80E-02
ARCH Lag[5]	5.831	1.44	1.667	6.58E-02
ARCH Lag[7]	27.091	2.315	1.543	9.37E-07

SEAEe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	1.005	0.5	2	3.16E-01
ARCH Lag[6]	25.51	1.461	1.711	1.36E-06
ARCH Lag[8]	30.681	2.368	1.583	1.95E-07

SESOe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.873	0.5	2	0.027277
ARCH Lag[5]	8.942	1.44	1.667	0.011888
ARCH Lag[7]	12.862	2.315	1.543	0.003849

SESOe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	4.686	0.5	2	0.030403
ARCH Lag[5]	8.579	1.44	1.667	0.014556
ARCH Lag[7]	12.813	2.315	1.543	0.003954

SESOe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.952	0.5	2	0.02606
ARCH Lag[6]	5.921	1.461	1.711	0.07031
ARCH Lag[8]	10.63	2.368	1.583	0.0164

SETEe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	18.55	0.5	2	1.65E-05
ARCH Lag[5]	34.25	1.44	1.667	5.19E-09
ARCH Lag[7]	53.29	2.315	1.543	9.30E-14

SETEe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	19.85	0.5	2	8.36E-06
ARCH Lag[6]	27.65	1.461	1.711	4.01E-07
ARCH Lag[8]	49.84	2.368	1.583	2.06E-12

SETEs11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	17.23	0.5	2	3.31E-05
ARCH Lag[5]	29.47	1.44	1.667	8.58E-08
ARCH Lag[7]	46.74	2.315	1.543	5.49E-12

SETEe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	16.88	0.5	2	3.98E-05
ARCH Lag[5]	31.7	1.44	1.667	2.32E-08
ARCH Lag[7]	49.48	2.315	1.543	9.96E-13

SETEe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	19.39	0.5	2	1.07E-05
ARCH Lag[6]	27.15	1.461	1.711	5.34E-07
ARCH Lag[8]	47.39	2.368	1.583	9.05E-12

SETEe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	18.26	0.5	2	1.93E-05
ARCH Lag[5]	33.31	1.44	1.667	9.00E-09
ARCH Lag[7]	52.97	2.315	1.543	1.14E-13

SEBEe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.355	0.5	2	0.006689

ARCH Lag[6]	10.166	1.461	1.711	0.007235
ARCH Lag[8]	13.274	2.368	1.583	0.004033

SEBEe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	11.08	0.5	2	8.73E-04
ARCH Lag[5]	18.24	1.44	1.667	5.93E-05
ARCH Lag[7]	21.29	2.315	1.543	3.00E-05

SEBEe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	7.359	0.5	2	0.006674
ARCH Lag[6]	11.228	1.461	1.711	0.004048
ARCH Lag[8]	14.905	2.368	1.583	0.001659

SEETe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	3.946	0.5	2	0.04699
ARCH Lag[5]	5.578	1.44	1.667	0.07542
ARCH Lag[7]	6.866	2.315	1.543	0.09282

SEETe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	1.966	0.5	2	0.1608
ARCH Lag[6]	2.446	1.461	1.711	0.4002
ARCH Lag[8]	4.087	2.368	1.583	0.3627

SEETe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	3.184	0.5	2	0.07435
ARCH Lag[5]	4.486	1.44	1.667	0.13489
ARCH Lag[7]	5.571	2.315	1.543	0.17281

SEETe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	1.486	0.5	2	0.2229
ARCH Lag[6]	1.94	1.461	1.711	0.5042
ARCH Lag[8]	3.141	2.368	1.583	0.5175

SEETe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	6.023	0.5	2	0.01412
ARCH Lag[5]	8.809	1.44	1.667	0.0128
ARCH Lag[7]	10.74	2.315	1.543	0.01236

SEETe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	2.796	0.5	2	0.09449
ARCH Lag[6]	3.457	1.461	1.711	0.24653
ARCH Lag[8]	6.149	2.368	1.583	0.14956

SECHe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	9.184	0.5	2	2.44E-03
ARCH Lag[5]	13.892	1.44	1.667	7.23E-04
ARCH Lag[7]	24.223	2.315	1.543	5.23E-06

SECHe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.38	0.5	2	1.15E-02
ARCH Lag[6]	13.48	1.461	1.711	1.17E-03
ARCH Lag[8]	20.78	2.368	1.583	6.17E-05

SECHe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	8.118	0.5	2	4.38E-03
ARCH Lag[5]	12.034	1.44	1.667	2.08E-03
ARCH Lag[7]	24.096	2.315	1.543	5.65E-06

SECHe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.087	0.5	2	1.36E-02
ARCH Lag[6]	13.483	1.461	1.711	1.17E-03
ARCH Lag[8]	20.887	2.368	1.583	5.79E-05

SECHe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	8.063	0.5	2	4.52E-03
ARCH Lag[5]	12.959	1.44	1.667	1.23E-03
ARCH Lag[7]	24.259	2.315	1.543	5.12E-06

SECHe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	6.049	0.5	2	1.39E-02
ARCH Lag[6]	14.032	1.461	1.711	8.61E-04
ARCH Lag[8]	22.984	2.368	1.583	1.74E-05

SECHe2inorFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.128	0.5	2	2.36E-02
ARCH Lag[6]	14.743	1.461	1.711	5.80E-04
ARCH Lag[8]	25.777	2.368	1.583	3.45E-06

SEAPe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	9.542	0.5	2	2.01E-03
ARCH Lag[5]	13.102	1.44	1.667	1.14E-03
ARCH Lag[7]	24.247	2.315	1.543	5.16E-06

SEAPe11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	9.11	0.5	2	2.54E-03
ARCH Lag[5]	12.75	1.44	1.667	1.39E-03
ARCH Lag[7]	22.84	2.315	1.543	1.19E-05

SEAPe12stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	4.034	0.5	2	0.04458
ARCH Lag[6]	6.162	1.461	1.711	0.061974
ARCH Lag[8]	16.506	2.368	1.583	0.000685

SEAPe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	7.821	0.5	2	5.16E-03
ARCH Lag[5]	10.949	1.44	1.667	3.85E-03
ARCH Lag[7]	24.345	2.315	1.543	4.86E-06

SEAPe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	3.451	0.5	2	6.32E-02
ARCH Lag[6]	6.218	1.461	1.711	6.02E-02
ARCH Lag[8]	20.88	2.368	1.583	5.81E-05

BITCs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	3.812	0.5	2	0.0509
ARCH Lag[5]	5.465	1.44	1.667	0.08017
ARCH Lag[7]	7.014	2.315	1.543	0.08626

BITCs12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.8209	0.5	2	0.3649
ARCH Lag[6]	2.3594	1.461	1.711	0.4166
ARCH Lag[8]	3.5555	2.368	1.583	0.4451

BITCc12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.5617	0.5	2	0.4536
ARCH Lag[6]	2.0115	1.461	1.711	0.4883
ARCH Lag[8]	2.8153	2.368	1.583	0.5785

BITCe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.317	0.5	2	0.128
ARCH Lag[5]	4.237	1.44	1.667	0.1537
ARCH Lag[7]	5.438	2.315	1.543	0.1839

BITCe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.3496	0.5	2	0.5544
ARCH Lag[6]	2.1125	1.461	1.711	0.4665
ARCH Lag[8]	3.2806	2.368	1.583	0.4923

BITCc11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	1.316	0.5	2	0.25127
ARCH Lag[5]	5.526	1.44	1.667	0.07757
ARCH Lag[7]	6.621	2.315	1.543	0.10466

LITCs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.4266	0.5	2	0.5137
ARCH Lag[5]	0.8324	1.44	1.667	0.7832
ARCH Lag[7]	0.9167	2.315	1.543	0.9267

LITCc11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.289	0.5	2	0.5909
ARCH Lag[5]	0.5748	1.44	1.667	0.8613
ARCH Lag[7]	0.631	2.315	1.543	0.965

LITCc12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.278	0.5	2	0.598
ARCH Lag[6]	0.3631	1.461	1.711	0.9291
ARCH Lag[8]	0.4587	2.368	1.583	0.9849

LITCs11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.3652	0.5	2	0.5456
ARCH Lag[5]	0.6392	1.44	1.667	0.8419
ARCH Lag[7]	0.6668	2.315	1.543	0.9609

LITCe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.6091	0.5	2	0.4351
ARCH Lag[5]	1.0362	1.44	1.667	0.7222
ARCH Lag[7]	1.4283	2.315	1.543	0.8356

LITCe12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.4635	0.5	2	0.496
ARCH Lag[6]	0.5441	1.461	1.711	0.8796
ARCH Lag[8]	1.201	2.368	1.583	0.8927

LITCe2inorFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.4618	0.5	2	0.4968
ARCH Lag[6]	0.5335	1.461	1.711	0.8826
ARCH Lag[8]	1.4991	2.368	1.583	0.8398

LITCe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.4872	0.5	2	0.4852
ARCH Lag[5]	0.827	1.44	1.667	0.7849
ARCH Lag[7]	0.8586	2.315	1.543	0.9354

LitCc11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	0.3832	0.5	2	0.5359
ARCH Lag[5]	0.689	1.44	1.667	0.8268
ARCH Lag[7]	0.7471	2.315	1.543	0.9509

LitCc12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	0.3138	0.5	2	0.5754
ARCH Lag[6]	0.3901	1.461	1.711	0.922
ARCH Lag[8]	0.4681	2.368	1.583	0.9842

GREXe11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	2.434	0.5	2	0.118758
ARCH Lag[5]	4.421	1.44	1.667	0.139606
ARCH Lag[7]	13.456	2.315	1.543	0.002762

GREXe12gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	5.817	0.5	2	0.015871
ARCH Lag[6]	11.146	1.461	1.711	0.004234
ARCH Lag[8]	12.083	2.368	1.583	0.007636

GREXe21gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	3.242	0.5	2	0.071791
ARCH Lag[6]	8.819	1.461	1.711	0.015035
ARCH Lag[8]	11.817	2.368	1.583	0.008791

DAXPs11gedFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	11.11	0.5	2	8.59E-04
ARCH Lag[5]	19.45	1.44	1.667	2.95E-05
ARCH Lag[7]	24.06	2.315	1.543	5.78E-06

DAXPs11stdFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	11.2	0.5	2	8.17E-04
ARCH Lag[5]	19.64	1.44	1.667	2.65E-05
ARCH Lag[7]	24.12	2.315	1.543	5.56E-06

DAXPs12norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[4]	9.547	0.5	2	0.0020029
ARCH Lag[6]	11.478	1.461	1.711	0.0035282
ARCH Lag[8]	19.138	2.368	1.583	0.0001564

DAXPe11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	12	0.5	2	5.31E-04
ARCH Lag[5]	21	1.44	1.667	1.20E-05
ARCH Lag[7]	28.86	2.315	1.543	3.23E-07

DAXPg11norFIT

	Statistic	Shape	Scale	P-Value
ARCH Lag[3]	11.64	0.5	2	6.47E-04
ARCH Lag[5]	20.52	1.44	1.667	1.58E-05
ARCH Lag[7]	26.37	2.315	1.543	1.45E-06

GoF

DJACe11gedFIT

group	statistic	p-value(g-1)
1	20	32.33	0.02867
2	30	45.03	0.02924
3	40	54.43	0.05138
4	50	63.75	0.07667

DJACe11gedFIT

group	statistic	p-value(g-1)
1	20	29.3	0.0614
2	30	39.28	0.09644
3	40	44.98	0.23585
4	50	63.13	0.08446

DJACe11stdFIT

group	statistic	p-value(g-1)
1	20	23.71	2.08E-01
2	30	37.31	1.39E-01
3	40	74.35	5.52E-04
4	50	98.62	3.44E-05

DJACe12stdFIT

group	statistic	p-value(g-1)
1	20	26.67	1.13E-01
2	30	45.56	2.59E-02
3	40	52.69	7.05E-02
4	50	106.92	3.41E-06

DJACe12gedFIT

group	statistic	p-value(g-1)
1	20	29.3	6.14E-02
2	30	39.28	9.64E-02
3	40	44.98	2.36E-01
4	50	63.13	8.45E-02

DJACe11norFIT

group	statistic	p-value(g-1)
1	20	298.7	3.74E-52
2	30	351.4	4.72E-57
3	40	391.2	1.09E-59
4	50	406.9	6.92E-58

DJACe12norFIT

group	statistic	p-value(g-1)
1	20	296.8	8.87E-52
2	30	346.6	4.36E-56
3	40	379.1	2.62E-57
4	50	396.6	6.73E-56

DJACe21norFIT

group	statistic	p-value(g-1)
1	20	297.9	5.35E-52
2	30	319.9	9.36E-51
3	40	359	2.27E-53
4	50	407.4	5.54E-58

DJALs11gedFIT

group	statistic	p-value(g-1)
1	20	21.61	0.303947
2	30	42.05	0.055547
3	40	50.06	0.110454
4	50	77.45	0.005906

DJALe11gedFIT

group	statistic	p-value(g-1)
1	20	27.61	9.13E-02
2	30	76.05	4.32E-06
3	40	64.05	6.94E-03
4	50	83.75	1.46E-03

DJALe12gedFIT

group	statistic	p-value(g-1)
1	20	20.59	0.36002
2	30	49.61	0.009952
3	40	48.01	0.152724
4	50	68.59	0.033685

DJALc11gedFIT

group	statistic	p-value(g-1)
1	20	17.89	0.52971
2	30	39.14	0.09892
3	40	44.31	0.25765
4	50	62.3	0.09611

DJALe11stdFIT

group	statistic	p-value(g-1)
1	20	75.61	1.05E-08
2	30	108.17	4.63E-11
3	40	115.48	1.70E-09
4	50	137.28	2.67E-10

DJALg11stdFIT

group	statistic	p-value(g-1)
1	20	83.5	4.61E-10
2	30	100.2	9.15E-10
3	40	110.1	1.05E-08
4	50	132.7	1.20E-09

DJALe11norFIT

group	statistic	p-value(g-1)
1	20	291.6	1.05E-50
2	30	313.7	1.56E-49
3	40	337.6	3.24E-49
4	50	353.7	9.59E-48

DJALe12norFIT

group	statistic	p-value(g-1)
1	20	281	1.57E-48
2	30	309.2	1.21E-48
3	40	329.9	1.00E-47
4	50	359.7	7.02E-49

DJCCe11gedFIT

group	statistic	p-value(g-1)
1	20	16.38	0.6321
2	30	28.55	0.4887
3	40	34.28	0.6848
4	50	34.33	0.9444

DJCCe12gedFIT

group	statistic	p-value(g-1)
1	20	14.28	0.7671
2	30	30.55	0.3867
3	40	41.99	0.3425
4	50	48.82	0.4805

DJCCs11stdFIT

group	statistic	p-value(g-1)
1	20	54.39	2.88E-05
2	30	62.14	3.32E-04
3	40	68.6	2.37E-03
4	50	71.43	1.99E-02

DJCCe11stdFIT

group	statistic	p-value(g-1)
1	20	32.91	0.02462
2	30	39.81	0.08703
3	40	58.88	0.02138
4	50	58.18	0.17335

DJCFe22gedFIT

group	statistic	p-value(g-1)
1	20	50.07	1.28E-04
2	30	70.4	2.67E-05
3	40	75.95	3.61E-04
4	50	74.39	1.11E-02

DJCFe12gedFIT

group	statistic	p-value(g-1)
1	20	37.61	0.006645
2	30	38.71	0.107337
3	40	59.33	0.019487
4	50	62.24	0.096935

DJCFg21gedFIT

group	statistic	p-value(g-1)
1	20	47.91	0.0002645
2	30	60.57	0.0005242
3	40	67.93	0.0027904
4	50	75.5	0.0088773

DJCFe21stdFIT

group	statistic	p-value(g-1)
1	20	53.81	3.53E-05
2	30	63.91	1.97E-04
3	40	68.33	2.53E-03
4	50	94.44	1.04E-04

DJCFe11norFIT

group	statistic	p-value(g-1)
1	20	286.5	1.14E-49
2	30	320.7	6.38E-51
3	40	326.3	4.88E-47
4	50	342.1	1.45E-45

DJCFe22norFIT

group	statistic	p-value(g-1)
1	20	288.9	3.76E-50

2	30	336.7	4.03E-54
3	40	362.5	4.67E-54
4	50	388.4	2.42E-54

DJCFe12norFIT

group	statistic	p-value(g-1)
1	20	289.8	2.50E-50
2	30	318.4	1.81E-50
3	40	328.3	2.04E-47
4	50	348.5	8.85E-47

DJCFe21norFIT

group	statistic	p-value(g-1)
1	20	299.6	2.41E-52
2	30	352.4	2.88E-57
3	40	373.9	2.75E-56
4	50	391.6	5.99E-55

DJCFg22norFIT

group	statistic	p-value(g-1)
1	20	293.5	4.38E-51
2	30	316.7	3.95E-50
3	40	344	1.82E-50
4	50	349.9	4.96E-47

DJCFg21norFIT

group	statistic	p-value(g-1)
1	20	296.6	9.95E-52
2	30	323.3	1.90E-51
3	40	336.8	4.54E-49
4	50	359.1	9.17E-49

DJCPe22stdFIT

group	statistic	p-value(g-1)
1	20	119.2	1.57E-16
2	30	132.2	3.97E-15
3	40	168.9	4.22E-18
4	50	180.7	5.71E-17

DJCPe21stdFIT

group	statistic	p-value(g-1)
1	20	111	5.28E-15
2	30	137.8	4.16E-16
3	40	152.4	2.47E-15
4	50	174.7	5.18E-16

DJCPg21gedFIT

group	statistic	p-value(g-1)
1	20	36.3	0.0097
2	30	57.56	0.001229
3	40	61.91	0.011201
4	50	73.05	0.014541

DJCPg21stdFIT

group	statistic	p-value(g-1)
1	20	35.23	0.01311
2	30	45.26	0.02775
3	40	60.75	0.01441
4	50	61.85	0.10284

DJCPg21stdFIT

group	statistic	p-value(g-1)
1	20	24.02	0.1954
2	30	28.98	0.4659
3	40	32.1	0.7753
4	50	48.48	0.494

DJCTe11norFIT

group	statistic	p-value(g-1)
1	20	243	7.96E-41
2	30	257.9	1.48E-38
3	40	275.2	2.69E-37
4	50	306.9	5.07E-39

DJCTe21norFIT

group	statistic	p-value(g-1)
1	20	241.6	1.56E-40
2	30	256.5	2.81E-38
3	40	273.8	4.80E-37
4	50	312.1	5.49E-40

DJCTg22norFIT

group	statistic	p-value(g-1)
1	20	252.9	8.00E-43
2	30	267.6	1.93E-40
3	40	287.4	1.31E-39
4	50	316.8	7.48E-41

DJNis11stdFIT

group	statistic	p-value(g-1)
1	20	61.17	2.53E-06
2	30	73.07	1.14E-05
3	40	115.04	1.98E-09
4	50	145.42	1.72E-11

DJNle21stdFIT

group	statistic	p-value(g-1)
1	20	29.23	6.24E-02
2	30	49.37	1.05E-02
3	40	66.86	3.61E-03
4	50	101.24	1.68E-05

DJNle11norFIT

group	statistic	p-value(g-1)
1	20	279.5	3.10E-48
2	30	338.4	1.84E-54
3	40	368.1	3.67E-55
4	50	428.1	5.73E-62

DJNle22norFIT

group	statistic	p-value(g-1)
1	20	263.3	6.31E-45
2	30	321.9	3.62E-51
3	40	322.4	2.78E-46
4	50	378.1	2.29E-52

DJSlg12gedFIT

group	statistic	p-value(g-1)
1	20	23.33	0.223174
2	30	44.49	0.032935
3	40	55.63	0.04092
4	50	76.56	0.007127

DJSls11stdFIT

group	statistic	p-value(g-1)
1	20	51.76	7.18E-05
2	30	69.3	3.78E-05
3	40	79.83	1.26E-04
4	50	98.34	3.71E-05

DJSlg11stdFIT

group	statistic	p-value(g-1)
1	20	55.11	2.24E-05
2	30	67.59	6.43E-05
3	40	83.89	3.99E-05
4	50	109.37	1.68E-06

DJSlc11stdFIT

group	statistic	p-value(g-1)
1	20	44.01	9.42E-04
2	30	52.65	4.61E-03
3	40	63.65	7.60E-03
4	50	88.54	4.64E-04

DJSUs11stdFIT

group	statistic	p-value(g-1)
1	20	44.16	8.96E-04
2	30	54.09	3.16E-03
3	40	82.15	6.55E-05
4	50	89.09	4.04E-04

DJSUe22stdFIT

group	statistic	p-value(g-1)
1	20	30.88	0.04158
2	30	45.9	0.02402
3	40	49.3	0.12485
4	50	68.82	0.03236

DJSUe21stdFIT

group	statistic	p-value(g-1)
1	20	40.58	0.002747
2	30	48.94	0.011722
3	40	56.7	0.033231
4	50	84.03	0.00136

DJSUg22stdFIT

group	statistic	p-value(g-1)
1	20	45.84	0.0005229
2	30	50.41	0.0081563
3	40	74.13	0.0005853
4	50	89.99	0.0003241

DJSUg21stdFIT

group	statistic	p-value(g-1)
1	20	44.68	7.61E-04
2	30	56.19	1.79E-03
3	40	73.19	7.47E-04
4	50	98.51	3.54E-05

DJSUs12norFIT

group	statistic	p-value(g-1)
1	20	342.9	3.02E-61
2	30	359.3	1.23E-58
3	40	373.9	2.70E-56
4	50	398	3.55E-56

DJWEe11gedFIT

group	statistic	p-value(g-1)
1	20	65.98	4.23E-07
2	30	75.68	4.88E-06
3	40	87.81	1.27E-05
4	50	108.04	2.47E-06

DJWEe12gedFIT

group	statistic	p-value(g-1)
1	20	63.48	1.07E-06

	2	30	75.21	5.68E-06
	3	40	83.75	4.14E-05
	4	50	89.04	4.10E-04

DJWEe11stdFIT

group	statistic	p-value(g-1)
1	20	60.16	3.65E-06
2	30	67.96	5.74E-05
3	40	80.23	1.12E-04
4	50	90.82	2.63E-04

DJWEe12stdFIT

group	statistic	p-value(g-1)
1	20	53.06	4.59E-05
2	30	60.84	4.85E-04
3	40	71.09	1.28E-03
4	50	81.3	2.55E-03

DJWEe11norFIT

group	statistic	p-value(g-1)
1	20	182.8	8.62E-29
2	30	203.9	3.42E-28
3	40	242.7	3.05E-31
4	50	270.7	1.94E-32

DJWEe12norFIT

group	statistic	p-value(g-1)
1	20	185.9	2.13E-29
2	30	207.9	6.06E-29
3	40	258.2	4.07E-34
4	50	275.4	2.78E-33

DJWEg11norFIT

group	statistic	p-value(g-1)
1	20	190.9	2.13E-30
2	30	220	2.95E-31
3	40	244.5	1.43E-31
4	50	257.4	4.66E-30

DJZle22stdFIT

group	statistic	p-value(g-1)
1	20	58.11	7.66E-06
2	30	106.7	8.07E-11
3	40	141.42	1.56E-13
4	50	149.09	4.87E-12

DJZle21stdFIT

group	statistic	p-value(g-1)
1	20	58.34	7.07E-06
2	30	108.04	4.87E-11
3	40	135.9	1.20E-12
4	50	175.5	3.89E-16

DJZls11norFIT

group	statistic	p-value(g-1)
1	20	289.6	2.69E-50
2	30	367.1	3.35E-60
3	40	401.6	9.80E-62
4	50	472.2	1.49E-70

DJZle11norFIT

group	statistic	p-value(g-1)
1	20	273.3	5.75E-47
2	30	366.7	3.91E-60
3	40	379.2	2.46E-57
4	50	448.9	5.33E-66

DJZle12norFIT

group	statistic	p-value(g-1)
1	20	271.2	1.52E-46
2	30	360.4	7.17E-59
3	40	392.8	5.26E-60
4	50	449.2	4.71E-66

DJZlg12norFIT

group	statistic	p-value(g-1)
1	20	283.3	5.23E-49
2	30	363	2.14E-59
3	40	403.1	5.02E-62
4	50	465.8	2.66E-69

DJLHe11gedFIT

group	statistic	p-value(g-1)
1	20	15.82	0.6693
2	30	26.54	0.5963
3	40	38.11	0.5101
4	50	42.02	0.7497

DJLHe12gedFIT

group	statistic	p-value(g-1)
1	20	16.2	0.644
2	30	15.04	0.9847
3	40	36.06	0.6045
4	50	33.77	0.9521

DJLHe11stdFIT

group	statistic	p-value(g-1)
1	20	50.25	1.21E-04
2	30	61.91	3.56E-04
3	40	88.08	1.17E-05
4	50	91.49	2.22E-04

DJLHe12stdFIT

group	statistic	p-value(g-1)
1	20	47.64	2.89E-04
2	30	61.11	4.49E-04
3	40	82.28	6.31E-05
4	50	92.44	1.75E-04

DJLHe11norFIT

group	statistic	p-value(g-1)
1	20	293.8	3.74E-51
2	30	303	2.06E-47
3	40	339.1	1.62E-49
4	50	338.4	7.07E-45

DJLHe12norFIT

group	statistic	p-value(g-1)
1	20	274	4.07E-47
2	30	304.4	1.09E-47
3	40	312.1	2.63E-44
4	50	329.9	2.76E-43

DJLHe21norFIT

group	statistic	p-value(g-1)
1	20	273.2	5.99E-47
2	30	282.2	2.68E-43
3	40	314.5	9.09E-45
4	50	304.1	1.65E-38

DJNGe21stdFIT

group	statistic	p-value(g-1)
1	20	28.61	0.07237
2	30	45.03	0.02924
3	40	59.82	0.01758
4	50	55.33	0.24796

DJNGe12norFIT

group	statistic	p-value(g-1)
1	20	118.2	2.37E-16
2	30	138.9	2.70E-16
3	40	157.9	3.09E-16
4	50	175.1	4.49E-16

DJPEe11gedFIT

group	statistic	p-value(g-1)
1	20	44.23	8.77E-04
2	30	59.57	6.99E-04
3	40	78.81	1.67E-04
4	50	113.33	5.22E-07

DJPEe12gedFIT

group	statistic	p-value(g-1)
1	20	52.21	6.16E-05
2	30	55.59	2.11E-03
3	40	82.42	6.07E-05
4	50	94.83	9.40E-05

DJPEe11stdFIT

group	statistic	p-value(g-1)
1	20	41.89	1.83E-03
2	30	76.58	3.62E-06
3	40	102.38	1.36E-07
4	50	119.07	9.17E-08

DJPEe12stdFIT

group	statistic	p-value(g-1)
1	20	46.95	3.63E-04
2	30	70.53	2.56E-05
3	40	90.35	5.92E-06
4	50	105.58	4.99E-06

DJPEe11norFIT

group	statistic	p-value(g-1)
1	20	282.9	6.32E-49
2	30	297.1	3.01E-46
3	40	346.9	4.98E-51
4	50	350.3	4.19E-47

DJPEe12norFIT

group	statistic	p-value(g-1)
1	20	278.5	5.02E-48
2	30	291	4.77E-45
3	40	346.3	6.71E-51
4	50	366.4	3.82E-50

DJSOe21gedFIT

group	statistic	p-value(g-1)
1	20	48.15	0.0002438
2	30	63.35	0.0002327
3	40	72.57	0.0008773
4	50	86.98	0.0006779

DJSOe21stdFIT

group	statistic	p-value(g-1)
1	20	41.42	0.002119

2	30	53.69	0.003516
3	40	66.73	0.003724
4	50	70.88	0.022111

DJSOe11norFIT

group	statistic	p-value(g-1)
1	20	220.3	3.04E-36
2	30	245.6	3.65E-36
3	40	255.4	1.36E-33
4	50	270.2	2.44E-32

DJSOe22norFIT

group	statistic	p-value(g-1)
1	20	219.1	5.13E-36
2	30	245.1	4.50E-36
3	40	245.6	8.91E-32
4	50	268	5.86E-32

DJSOe21norFIT

group	statistic	p-value(g-1)
1	20	220.3	3.07E-36
2	30	246.4	2.52E-36
3	40	244.5	1.40E-31
4	50	271	1.69E-32

SEFPs11gedFIT

group	statistic	p-value(g-1)
1	20	61.72	2.06E-06
2	30	79.62	1.32E-06
3	40	92.09	3.49E-06
4	50	95.28	8.37E-05

SEFPe11geedFIT

group	statistic	p-value(g-1)
1	20	62.3	1.66E-06
2	30	87.28	9.49E-08
3	40	82.06	6.72E-05
4	50	102.63	1.15E-05

SEFPe12eedFIT

group	statistic	p-value(g-1)
1	20	65.82	4.48E-07
2	30	79.29	1.47E-06
3	40	82.91	5.28E-05
4	50	92.33	1.80E-04

SEFPe11stdFIT

group	statistic	p-value(g-1)
1	20	96.96	1.90E-12
2	30	119.3	6.46E-13
3	40	135.14	1.58E-12
4	50	163.91	2.63E-14

SEFPe12stdFIT

group	statistic	p-value(g-1)
1	20	81.16	1.17E-09
2	30	104.86	1.61E-10
3	40	123.42	1.07E-10
4	50	136.23	3.79E-10

SEFPs11norFIT

group	statistic	p-value(g-1)
1	20	418.5	6.27E-77
2	30	420	6.66E-71
3	40	458.9	4.18E-73
4	50	467.9	1.05E-69

SEFPe11norFIT

group	statistic	p-value(g-1)
1	20	384.9	6.05E-70
2	30	404.7	8.46E-68
3	40	426.9	9.61E-67
4	50	448	7.95E-66

SEFPe12norFIT

group	statistic	p-value(g-1)
1	20	375.4	5.53E-68
2	30	389.9	8.42E-65
3	40	425.9	1.50E-66
4	50	429	3.85E-62

SEECs11geedFIT

group	statistic	p-value(g-1)
1	20	37.03	0.007859
2	30	45.4	0.026921
3	40	54.96	0.046477
4	50	62.74	0.089749

SEECe12geedFIT

group	statistic	p-value(g-1)
1	20	34.58	0.01567
2	30	38.68	0.10801
3	40	47.65	0.16119
4	50	63.91	0.07465

SEECe12geedFIT

group	statistic	p-value(g-1)
1	20	40.87	0.002514
2	30	39.31	0.095831
3	40	55.5	0.041982
4	50	68.65	0.033349

SEECe12stdFIT

group	statistic	p-value(g-1)
1	20	57.4	9.90E-06
2	30	68.79	4.43E-05
3	40	81.12	8.75E-05
4	50	114.78	3.38E-07

SEECs12norFIT

group	statistic	p-value(g-1)
1	20	366.3	4.33E-66
2	30	380.6	6.35E-63
3	40	408.2	4.99E-63
4	50	417.2	7.18E-60

SEECe12norFIT

group	statistic	p-value(g-1)
1	20	329	2.15E-58
2	30	350.5	7.16E-57
3	40	359.5	1.75E-53
4	50	377.2	3.39E-52

SEFse11geedFIT

group	statistic	p-value(g-1)
1	20	37.77	0.00635
2	30	54.35	0.002945
3	40	62.45	0.009955
4	50	85.58	0.000946

SEFse13geedFIT

group	statistic	p-value(g-1)
1	20	44.65	7.66E-04
2	30	56.09	1.84E-03
3	40	69.36	1.97E-03
4	50	98.68	3.39E-05

SEFse11norFIT

group	statistic	p-value(g-1)
1	20	391.2	2.97E-71
2	30	418.7	1.18E-70
3	40	427.8	6.39E-67
4	50	446.5	1.56E-65

SEFse12norFIT

group	statistic	p-value(g-1)
1	20	386.1	3.33E-70
2	30	394.4	9.98E-66
3	40	407	8.45E-63
4	50	418.6	3.87E-60

SEUTe11geedFIT

group	statistic	p-value(g-1)
1	20	42.18	0.0016753
2	30	59.74	0.0006662
3	40	79.61	0.0001335
4	50	79.23	0.0040236

SEUTe12eedFIT

group	statistic	p-value(g-1)
1	20	41.13	0.002316
2	30	48.6	0.012711
3	40	69.76	0.001783
4	50	71.43	0.019892

SEUTc11geedFIT

group	statistic	p-value(g-1)
1	20	39.6	0.003696
2	30	41.38	0.063718
3	40	60.31	0.015847
4	50	73.61	0.013023

SEUTe11stdFIT

group	statistic	p-value(g-1)
1	20	91.76	1.61E-11
2	30	100.52	8.09E-10
3	40	130.42	8.79E-12
4	50	156.28	3.97E-13

SEUTc11udFIT

group	statistic	p-value(g-1)
1	20	97.13	1.76E-12
2	30	116.46	1.95E-12
3	40	127.43	2.57E-11
4	50	144.69	2.20E-11

SEUTe11norFIT

group	statistic	p-value(g-1)
1	20	440.1	1.90E-81
2	30	459.7	5.13E-79
3	40	463.4	5.16E-74
4	50	479.8	4.77E-72

SEUTe12norFIT

group	statistic	p-value(g-1)
1	20	419.7	3.41E-77

2	30	442.1	2.03E-75
3	40	447.7	7.27E-71
4	50	465.7	2.80E-69

SETRe11gedFIT

group		statistic	p-value(g-1)
1	20	42.98	0.001303
2	30	55.19	0.002355
3	40	69.31	0.001991
4	50	72.72	0.015528

SETRs12norFIT

group		statistic	p-value(g-1)
1	20	307.3	6.38E-54
2	30	343.6	1.69E-55
3	40	341.1	6.61E-50
4	50	354.6	6.51E-48

SETRe11norFIT

group		statistic	p-value(g-1)
1	20	320.7	1.11E-56
2	30	319.1	1.31E-50
3	40	345.8	8.35E-51
4	50	360.6	4.76E-49

SETRe12norFIT

group		statistic	p-value(g-1)
1	20	304.1	2.94E-53
2	30	324.7	1.00E-51
3	40	335.5	8.08E-49
4	50	356.4	2.86E-48

SETRq12norFIT

group		statistic	p-value(g-1)
1	20	313.6	3.27E-55
2	30	337.5	2.83E-54
3	40	348.5	2.48E-51
4	50	356.2	3.23E-48

SEMOe11gedFIT

group		statistic	p-value(g-1)
1	20	22.66	0.2526
2	30	28.85	0.4729
3	40	41.9	0.3461
4	50	54.44	0.2751

SEMOe12gedFIT

group		statistic	p-value(g-1)
1	20	23.17	0.2298
2	30	32.16	0.3129
3	40	42.53	0.3217
4	50	55.33	0.248

SEMOe11stdFIT

group		statistic	p-value(g-1)
1	20	71.95	4.34E-08
2	30	82.6	4.79E-07
3	40	89.5	7.64E-06
4	50	123.8	2.10E-08

SEMOe11norFIT

group		statistic	p-value(g-1)
1	20	388.6	1.02E-70
2	30	394.3	1.06E-65
3	40	427.3	8.16E-67
4	50	442.9	7.68E-65

SEOGe11gedFIT

group		statistic	p-value(g-1)
1	20	14.66	0.7439
2	30	27.65	0.5369
3	40	34.59	0.671
4	50	45.58	0.6124

SEOGe12gedFIT

group		statistic	p-value(g-1)
1	20	19.07	0.4522
2	30	29.72	0.4281
3	40	32.1	0.7753
4	50	52.21	0.3501

SEOGe11stdFIT

group		statistic	p-value(g-1)
1	20	62.99	1.29E-06
2	30	81.26	7.56E-07
3	40	92	3.59E-06
4	50	102.58	1.16E-05

SEOGe11norFIT

group		statistic	p-value(g-1)
1	20	351.1	6.10E-63
2	30	387.5	2.50E-64
3	40	397.5	6.30E-61
4	50	430.1	2.34E-62

SEOGe12norFIT

group		statistic	p-value(g-1)
1	20	340.7	8.51E-61
2	30	372.5	2.63E-61
3	40	400.5	1.59E-61
4	50	420.8	1.47E-60

SEOGe21norFIT

group		statistic	p-value(g-1)
1	20	345.5	8.54E-62
2	30	361.6	4.17E-59
3	40	383.3	3.94E-58
4	50	402.5	4.97E-57

SEOEe11gedFIT

group		statistic	p-value(g-1)
1	20	36.97	0.008012
2	30	49.31	0.010716
3	40	53.67	0.059087
4	50	67.81	0.038708

SEOEe12gedFIT

group		statistic	p-value(g-1)
1	20	32.6	0.02673
2	30	41.95	0.05671
3	40	55.58	0.04127
4	50	66.2	0.05121

SEOEe11stdFIT

group		statistic	p-value(g-1)
1	20	47.51	0.0003021
2	30	43.92	0.0373085
3	40	67.22	0.0033128
4	50	77.23	0.0061915

SEOEe11norFIT

group		statistic	p-value(g-1)
1	20	268.8	4.74E-46
2	30	295.1	7.71E-46
3	40	325.4	7.24E-47
4	50	338.3	7.41E-45

SEOEe12norFIT

group		statistic	p-value(g-1)
1	20	265.5	2.20E-45
2	30	296.3	4.40E-46
3	40	321.7	3.73E-46
4	50	347	1.74E-46

SEAls11gedFIT

group		statistic	p-value(g-1)
1	20	44.99	6.88E-04
2	30	61.41	4.12E-04
3	40	102.2	1.44E-07
4	50	105.08	5.75E-06

SEAle11gedFIT

group		statistic	p-value(g-1)
1	20	46.28	4.52E-04
2	30	49.27	1.08E-02
3	40	86.07	2.12E-05
4	50	86.64	7.35E-04

SEAle12gedFIT

group		statistic	p-value(g-1)
1	20	42.74	1.41E-03
2	30	49.54	1.01E-02
3	40	85.27	2.67E-05
4	50	92.94	1.54E-04

SEAle11stdFIT

group		statistic	p-value(g-1)
1	20	89.51	4.05E-11
2	30	93.76	9.49E-09
3	40	143.87	6.24E-14
4	50	165.97	1.25E-14

SEAls11norFIT

group		statistic	p-value(g-1)
1	20	316.9	6.94E-56
2	30	315.9	5.78E-50
3	40	352	5.23E-52
4	50	352.4	1.63E-47

SEAls12norFIT

group		statistic	p-value(g-1)
1	20	269.2	3.97E-46
2	30	303.4	1.72E-47
3	40	299.2	7.60E-42
4	50	327.9	6.38E-43

SEAle11norFIT

group		statistic	p-value(g-1)
1	20	310	1.77E-54
2	30	315.3	7.62E-50
3	40	327.6	2.75E-47
4	50	334.3	4.07E-44

SEAlc12norFIT

group		statistic	p-value(g-1)
1	20	272.2	9.59E-47

2	30	291.5	3.92E-45
3	40	297.1	1.90E-41
4	50	310.3	1.17E-39

SEISe11qedFIT

group	statistic	p-value(g-1)
1	20	42.83	0.0013686
2	30	49.97	0.009088
3	40	62.14	0.0106657
4	50	85.92	0.0008737

SEISe12qedFIT

group	statistic	p-value(g-1)
1	20	37.57	0.006732
2	30	55.39	0.00223
3	40	60.62	0.014826
4	50	67.92	0.037953

SEISe21qedFIT

group	statistic	p-value(g-1)
1	20	37.12	0.0076595
2	30	50.01	0.009013
3	40	54.6	0.0496994
4	50	87.09	0.0006599

SEISe11stdFIT

group	statistic	p-value(g-1)
1	20	66.34	3.70E-07
2	30	94.26	7.92E-09
3	40	97.79	5.92E-07
4	50	104.97	5.93E-06

SEISe12stdFIT

group	statistic	p-value(g-1)
1	20	55.42	2.01E-05
2	30	74.54	7.07E-06
3	40	85.31	2.64E-05
4	50	100.46	2.09E-05

SEISe11norFIT

group	statistic	p-value(g-1)
1	20	297.4	6.96E-52
2	30	304.4	1.11E-47
3	40	331.8	4.27E-48
4	50	342.9	1.03E-45

SEISe22norFIT

group	statistic	p-value(g-1)
1	20	276.1	1.51E-47
2	30	292	3.07E-45
3	40	319.5	1.00E-45
4	50	318.3	3.94E-41

SEISe12norFIT

group	statistic	p-value(g-1)
1	20	282.3	8.47E-49
2	30	294.3	1.09E-45
3	40	319.8	8.72E-46
4	50	316.2	9.72E-41

SEISe21norFIT

group	statistic	p-value(g-1)
1	20	276	1.62E-47
2	30	294.5	1.01E-45
3	40	313.2	1.58E-44
4	50	323.1	5.09E-42

SEISe11norFIT

group	statistic	p-value(g-1)
1	20	281.5	1.24E-48
2	30	295.5	6.43E-46
3	40	343.8	2.01E-50
4	50	339.4	4.59E-45

SEISe12norFIT

group	statistic	p-value(g-1)
1	20	277.2	9.31E-48
2	30	301.7	3.68E-47
3	40	326.4	4.60E-47
4	50	322.5	6.61E-42

SEREe11qedFIT

group	statistic	p-value(g-1)
1	20	30.48	0.04598
2	30	44.09	0.03597
3	40	52.64	0.07106
4	50	64.3	0.07011

SEREe11stdFIT

group	statistic	p-value(g-1)
1	20	54.37	2.90E-05
2	30	72.57	1.34E-05
3	40	83.8	4.09E-05
4	50	96.5	6.06E-05

SEREg11stdFIT

group	statistic	p-value(g-1)
1	20	61.81	1.99E-06
2	30	63.68	2.11E-04
3	40	77.56	2.34E-04
4	50	115.84	2.46E-07

SEREe11norFIT

group	statistic	p-value(g-1)
1	20	300.4	1.68E-52
2	30	315.1	8.22E-50
3	40	351.7	5.89E-52
4	50	360.1	5.78E-49

SEREe12norFIT

group	statistic	p-value(g-1)
1	20	300	2.04E-52
2	30	313.3	1.91E-49
3	40	338.3	2.36E-49
4	50	363.9	1.11E-49

SEAEs11qedFIT

group	statistic	p-value(g-1)
1	20	39.93	0.0033419
2	30	58.83	0.0008609
3	40	53.36	0.0625352
4	50	66.2	0.0512134

SEAEe11qedFIT

group	statistic	p-value(g-1)
1	20	30.66	0.04398
2	30	35.37	0.19272
3	40	43.73	0.27754
4	50	53.16	0.31704

SEAEe11norFIT

group	statistic	p-value(g-1)
1	20	392.9	1.32E-71
2	30	419.8	7.03E-71
3	40	428.2	5.43E-67
4	50	431.4	1.29E-62

SEAEe12norFIT

group	statistic	p-value(g-1)
1	20	382.5	1.91E-69
2	30	399.6	9.06E-67
3	40	419.9	2.34E-65
4	50	438.6	5.23E-64

SESDe11qedFIT

group	statistic	p-value(g-1)
1	20	44.99	0.0006879
2	30	56.33	0.0017292
3	40	66.37	0.0040523
4	50	83.47	0.0015534

SESDe11stdFIT

group	statistic	p-value(g-1)
1	20	78.42	3.48E-09
2	30	76.48	3.75E-06
3	40	97.03	7.52E-07
4	50	116.17	2.22E-07

SESDe12stdFIT

group	statistic	p-value(g-1)
1	20	72.93	2.97E-08
2	30	83.27	3.81E-07
3	40	102.87	1.16E-07
4	50	106.31	4.06E-06

SETEe11qedFIT

group	statistic	p-value(g-1)
1	20	63.77	9.65E-07
2	30	76.68	3.51E-06
3	40	85	2.89E-05
4	50	111.38	9.31E-07

SETEe12qedFIT

group	statistic	p-value(g-1)
1	20	63.73	9.81E-07
2	30	82	5.89E-07
3	40	83.48	4.48E-05
4	50	95.56	7.78E-05

SETEs11stdFIT

group	statistic	p-value(g-1)
1	20	93.01	9.67E-12
2	30	104.49	1.85E-10
3	40	126.94	3.06E-11
4	50	136	4.08E-10

SETEe11stdFIT

group	statistic	p-value(g-1)
1	20	62.01	1.85E-06
2	30	81.63	6.67E-07
3	40	90.62	5.46E-06
4	50	111.6	8.72E-07

SETEe12stdFIT

group	statistic	p-value(g-1)
1	20	60.88	2.81E-06

2	30	79.59	1.33E-06
3	40	84.15	3.69E-05
4	50	126.81	8.10E-09

SETEe11norFIT

group		statistic	p-value(g-1)
1	20	354.4	1.26E-63
2	30	373.3	1.81E-61
3	40	423.2	5.31E-66
4	50	431.2	1.43E-62

SEBEe12gedFIT

group		statistic	p-value(g-1)
1	20	17.69	0.5432
2	30	25.61	0.6464
3	40	27.82	0.909
4	50	38.62	0.8565

SEBEe11stdFIT

group		statistic	p-value(g-1)
1	20	62.77	1.40E-06
2	30	76.21	4.09E-06
3	40	95.74	1.13E-06
4	50	114.94	3.22E-07

SEBEe12norFIT

group		statistic	p-value(g-1)
1	20	338.2	2.73E-60
2	30	359.5	1.11E-58
3	40	384.9	1.91E-58
4	50	410	1.78E-58

SEETe11gedFIT

group		statistic	p-value(g-1)
1	20	36.21	0.009949
2	30	44.43	0.033424
3	40	59.19	0.020037
4	50	66.2	0.051213

SEETe12gedFIT

group		statistic	p-value(g-1)
1	20	38.84	0.004634
2	30	53.92	0.003305
3	40	58.39	0.023647
4	50	68.09	0.036844

SEETe11stdFIT

group		statistic	p-value(g-1)
1	20	72.22	3.92E-08
2	30	77.52	2.66E-06
3	40	109.91	1.13E-08
4	50	133.94	8.05E-10

SEETe12stdFIT

group		statistic	p-value(g-1)
1	20	71.33	5.52E-08
2	30	76.45	3.79E-06
3	40	101.58	1.76E-07
4	50	120.01	6.85E-08

SEETe11norFIT

group		statistic	p-value(g-1)
1	20	359.8	9.72E-65
2	30	384.4	1.05E-63
3	40	408.6	4.07E-63
4	50	422.7	6.19E-61

SEETe12norFIT

group		statistic	p-value(g-1)
1	20	349.8	1.10E-62
2	30	391.9	3.26E-65
3	40	409.5	2.66E-63
4	50	431.3	1.36E-62

SECHe11gedFIT

group		statistic	p-value(g-1)
1	20	31.62	0.034489
2	30	55.29	0.002292
3	40	64.81	0.005834
4	50	74.67	0.0105

SECHe12gedFIT

group		statistic	p-value(g-1)
1	20	32.89	0.024762
2	30	59.07	0.0008058
3	40	52.82	0.0688417
4	50	81.69	0.0023347

SECHe11stdFIT

group		statistic	p-value(g-1)
1	20	57.47	9.66E-06
2	30	75.38	5.38E-06
3	40	99.26	3.71E-07
4	50	113.66	4.72E-07

SECHe12stdFIT

group		statistic	p-value(g-1)
1	20	58.43	6.85E-06
2	30	76.11	4.23E-06
3	40	104.08	7.83E-08
4	50	121.8	3.94E-08

SECHe11norFIT

group		statistic	p-value(g-1)
1	20	314	2.71E-55
2	30	337.7	2.58E-54
3	40	373.7	3.04E-56
4	50	372.2	3.04E-51

SECHe12norFIT

group		statistic	p-value(g-1)
1	20	310.2	1.59E-54
2	30	328.2	2.00E-52
3	40	349.2	1.77E-51
4	50	348.7	8.23E-47

SECHe22norFIT

group		statistic	p-value(g-1)
1	20	319.2	2.29E-56
2	30	333.3	1.96E-53
3	40	358.6	2.66E-53
4	50	371.4	4.17E-51

SEAPe11gedFIT

group		statistic	p-value(g-1)
1	20	30.08	0.05078
2	30	37.64	0.13054
3	40	59.95	0.01709
4	50	65.42	0.05839

SEAPe11stdFIT

group		statistic	p-value(g-1)
1	20	82.56	6.71E-10
2	30	93.56	1.02E-08
3	40	124.13	8.32E-11
4	50	125.03	1.43E-08

SEAPe12stdFIT

group		statistic	p-value(g-1)
1	20	82.34	7.33E-10
2	30	89.45	4.42E-08
3	40	135.5	1.39E-12
4	50	135.39	4.99E-10

SEAPe11norFIT

group		statistic	p-value(g-1)
1	20	344.8	1.19E-61
2	30	363.6	1.62E-59
3	40	376.4	8.75E-57
4	50	386.3	6.14E-54

SEAPe12norFIT

group		statistic	p-value(g-1)
1	20	344.6	1.35E-61
2	30	361.8	3.74E-59
3	40	378.6	3.33E-57
4	50	383.6	1.99E-53

BITCs11gedFIT

group		statistic	p-value(g-1)
1	20	31.69	0.0339
2	30	37.47	0.1345
3	40	44.53	0.2502
4	50	61.41	0.1099

BITCs12gedFIT

group		statistic	p-value(g-1)
1	20	28.43	0.07546
2	30	35.9	0.17642
3	40	47.74	0.15904
4	50	53.77	0.29656

BITCc12gedFIT

group		statistic	p-value(g-1)
1	20	25.11	0.1569
2	30	34.53	0.2203
3	40	43.51	0.2854
4	50	53.89	0.2929

BITCe11norFIT

group		statistic	p-value(g-1)
1	20	246.7	1.42E-41
2	30	268.2	1.45E-40
3	40	283.2	8.26E-39
4	50	294.8	8.38E-37

BITCe12norFIT

group		statistic	p-value(g-1)
1	20	230.2	3.03E-38
2	30	259.2	8.35E-39
3	40	275.9	1.94E-37
4	50	288.9	9.79E-36

BITCc11norFIT

group		statistic	p-value(g-1)
1	20	234.9	3.53E-39

2	30	251.9	2.15E-37
3	40	279.7	3.74E-38
4	50	288.4	1.24E-35

LITCs11gedFIT

group	statistic	p-value(g-1)
1	20	54.59	2.68E-05
2	30	95.9	4.38E-09
3	40	139.69	2.96E-13
4	50	201.74	1.97E-20

LITCc11gedFIT

group	statistic	p-value(g-1)
1	20	33.29	0.022254
2	30	43.29	0.042798
3	40	66.77	0.003685
4	50	78.12	0.005121

LITCc12gedFIT

group	statistic	p-value(g-1)
1	20	35.27	0.01295
2	30	45.6	0.02573
3	40	57.19	0.03015
4	50	74.83	0.01018

LITCs11norFIT

group	statistic	p-value(g-1)
1	20	452.5	4.85E-84
2	30	482.3	1.23E-83
3	40	488.9	4.03E-79
4	50	507.9	1.44E-77

LITCe11norFIT

group	statistic	p-value(g-1)
1	20	461.7	5.96E-86
2	30	492.8	8.51E-86
3	40	505.8	1.62E-82
4	50	530.3	5.43E-82

LITCe12norFIT

group	statistic	p-value(g-1)
1	20	472.4	3.48E-88
2	30	488	8.28E-85
3	40	508.5	4.59E-83
4	50	527.5	1.98E-81

LITCe21norFIT

group	statistic	p-value(g-1)
1	20	445.5	1.44E-82
2	30	481.8	1.54E-83
3	40	491.6	1.19E-79
4	50	512.3	2.01E-78

LITCg11norFIT

group	statistic	p-value(g-1)
1	20	438.2	4.88E-81
2	30	451	3.16E-77
3	40	479.4	3.30E-77
4	50	522	2.38E-80

LITCc11norFIT

group	statistic	p-value(g-1)
1	20	436.4	1.13E-80
2	30	456.5	2.40E-78
3	40	474.8	2.74E-76
4	50	523.7	1.11E-80

LITCc12norFIT

group	statistic	p-value(g-1)
1	20	438.7	3.69E-81
2	30	458	1.14E-78
3	40	478.4	5.08E-77
4	50	531.4	3.27E-82

GREXe11gedFIT

group	statistic	p-value(g-1)
1	20	43.41	0.0011402
2	30	58.97	0.000829
3	40	69.85	0.0017442
4	50	86.03	0.0008508

GREXe12gedFIT

group	statistic	p-value(g-1)
1	20	38.93	4.51E-03
2	30	55.16	2.38E-03
3	40	61.78	1.15E-02
4	50	99.18	2.96E-05

GREXe21gedFIT

group	statistic	p-value(g-1)
1	20	40.55	0.002766
2	30	57.8	0.001152
3	40	61.96	0.011092
4	50	65.86	0.054193

DAXPs11gedFIT

group	statistic	p-value(g-1)
1	20	37.28	0.007322
2	30	56.79	0.001521
3	40	67.04	0.003457
4	50	80.74	0.002888

DAXPs11stdFIT

group	statistic	p-value(g-1)
1	20	56.13	1.56E-05
2	30	84.77	2.27E-07
3	40	96.01	1.04E-06
4	50	121.24	4.68E-08

DAXPs12norFIT

group	statistic	p-value(g-1)
1	20	281.7	1.12E-48
2	30	289.9	7.87E-45
3	40	324.1	1.29E-46
4	50	358.4	1.23E-48

DAXPe11norFIT

group	statistic	p-value(g-1)
1	20	285.5	1.89E-49
2	30	307.4	2.76E-48
3	40	319.7	8.89E-46
4	50	334.7	3.44E-44

DAXPg11norFIT

group	statistic	p-value(g-1)
1	20	277.9	6.73E-48
2	30	295	7.95E-46
3	40	309.2	9.25E-44
4	50	345.2	3.76E-46

DIGITAL APPENDIX O

DIGITAL APPENDIX O

O_[CODE]_Chapter 4.7._Sigmas of GARCH Models

```
#GARCH Forecast

##All Cattle Forecast                                  ##Extract Data
DJACs11gedFORE<-ugarchforecast(DJACs11gedFIT,n.ahead=181)  DJACs11gedFORE@forecast$sigma
DJACs22gedFORE<-ugarchforecast(DJACs22gedFIT,n.ahead=181)  DJACs22gedFORE@forecast$sigma
DJACs12gedFORE<-ugarchforecast(DJACs12gedFIT,n.ahead=181)  DJACs12gedFORE@forecast$sigma
DJACs21gedFORE<-ugarchforecast(DJACs21gedFIT,n.ahead=181)  DJACs21gedFORE@forecast$sigma
DJACe11gedFORE<-ugarchforecast(DJACe11gedFIT,n.ahead=181)  DJACe11gedFORE@forecast$sigma
DJACe22gedFORE<-ugarchforecast(DJACe22gedFIT,n.ahead=181)  DJACe22gedFORE@forecast$sigma
DJACe12gedFORE<-ugarchforecast(DJACe12gedFIT,n.ahead=181)  DJACe12gedFORE@forecast$sigma
DJACe21gedFORE<-ugarchforecast(DJACe21gedFIT,n.ahead=181)  DJACe21gedFORE@forecast$sigma
DJACg11gedFORE<-ugarchforecast(DJACg11gedFIT,n.ahead=181)  DJACg11gedFORE@forecast$sigma
DJACg22gedFORE<-ugarchforecast(DJACg22gedFIT,n.ahead=181)  DJACg22gedFORE@forecast$sigma
DJACg12gedFORE<-ugarchforecast(DJACg12gedFIT,n.ahead=181)  DJACg12gedFORE@forecast$sigma
DJACg21gedFORE<-ugarchforecast(DJACg21gedFIT,n.ahead=181)  DJACg21gedFORE@forecast$sigma
DJACi11gedFORE<-ugarchforecast(DJACi11gedFIT,n.ahead=181)  DJACi11gedFORE@forecast$sigma
DJACi22gedFORE<-ugarchforecast(DJACi22gedFIT,n.ahead=181)  DJACi22gedFORE@forecast$sigma
DJACi12gedFORE<-ugarchforecast(DJACi12gedFIT,n.ahead=181)  DJACi12gedFORE@forecast$sigma
DJACi21gedFORE<-ugarchforecast(DJACi21gedFIT,n.ahead=181)  DJACi21gedFORE@forecast$sigma
DJACc11gedFORE<-ugarchforecast(DJACc11gedFIT,n.ahead=181)  DJACc11gedFORE@forecast$sigma
DJACc22gedFORE<-ugarchforecast(DJACc22gedFIT,n.ahead=181)  DJACc22gedFORE@forecast$sigma
DJACc12gedFORE<-ugarchforecast(DJACc12gedFIT,n.ahead=181)  DJACc12gedFORE@forecast$sigma
DJACc21gedFORE<-ugarchforecast(DJACc21gedFIT,n.ahead=181)  DJACc21gedFORE@forecast$sigma

DJACs11stdFORE<-ugarchforecast(DJACs11stdFIT,n.ahead=181)  DJACs11stdFORE@forecast$sigma
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DJACs21stdFORE<-ugarchforecast(DJACs21stdFIT,n.ahead=181)  DJACs21stdFORE@forecast$sigma
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DJACe22stdFORE<-ugarchforecast(DJACe22stdFIT,n.ahead=181)  DJACe22stdFORE@forecast$sigma
DJACe12stdFORE<-ugarchforecast(DJACe12stdFIT,n.ahead=181)  DJACe12stdFORE@forecast$sigma
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DJACg11stdFORE<-ugarchforecast(DJACg11stdFIT,n.ahead=181)  DJACg11stdFORE@forecast$sigma
DJACg22stdFORE<-ugarchforecast(DJACg22stdFIT,n.ahead=181)  DJACg22stdFORE@forecast$sigma
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DJACc21stdFORE<-ugarchforecast(DJACc21stdFIT,n.ahead=181)  DJACc21stdFORE@forecast$sigma

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DJACe22norFORE<-ugarchforecast(DJACe22norFIT,n.ahead=181)  DJACe22norFORE@forecast$sigma
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DJACg11norFORE<-ugarchforecast(DJACg11norFIT,n.ahead=181)  DJACg11norFORE@forecast$sigma
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DJACc12norFORE<-ugarchforecast(DJACc12norFIT,n.ahead=181)  DJACc12norFORE@forecast$sigma
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##Aluminium Forecast                                   ##Aluminium Forecast
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DJALg21norFORE<-ugarchforecast(DJALg21norFIT,n.ahead=181)  DJALg21norFORE@forecast$sigma
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DJALi12norFORE<-ugarchforecast(DJALi12norFIT,n.ahead=181)  DJALi12norFORE@forecast$sigma
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DJALc21norFORE<-ugarchforecast(DJALc21norFIT,n.ahead=181)  DJALc21norFORE@forecast$sigma

##Cocoa Forecast                                       ##Cocoa Forecast
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DJCCs22gedFORE<-ugarchforecast(DJCCs22gedFIT,n.ahead=181)  DJCCs22gedFORE@forecast$sigma
DJCCs12gedFORE<-ugarchforecast(DJCCs12gedFIT,n.ahead=181)  DJCCs12gedFORE@forecast$sigma
DJCCs21gedFORE<-ugarchforecast(DJCCs21gedFIT,n.ahead=181)  DJCCs21gedFORE@forecast$sigma
DJCCe11gedFORE<-ugarchforecast(DJCCe11gedFIT,n.ahead=181)  DJCCe11gedFORE@forecast$sigma
DJCCe22gedFORE<-ugarchforecast(DJCCe22gedFIT,n.ahead=181)  DJCCe22gedFORE@forecast$sigma
DJCCe12gedFORE<-ugarchforecast(DJCCe12gedFIT,n.ahead=181)  DJCCe12gedFORE@forecast$sigma
DJCCe21gedFORE<-ugarchforecast(DJCCe21gedFIT,n.ahead=181)  DJCCe21gedFORE@forecast$sigma
DJCCg11gedFORE<-ugarchforecast(DJCCg11gedFIT,n.ahead=181)  DJCCg11gedFORE@forecast$sigma
DJCCg22gedFORE<-ugarchforecast(DJCCg22gedFIT,n.ahead=181)  DJCCg22gedFORE@forecast$sigma
DJCCg12gedFORE<-ugarchforecast(DJCCg12gedFIT,n.ahead=181)  DJCCg12gedFORE@forecast$sigma
DJCCg21gedFORE<-ugarchforecast(DJCCg21gedFIT,n.ahead=181)  DJCCg21gedFORE@forecast$sigma
DJCCi11gedFORE<-ugarchforecast(DJCCi11gedFIT,n.ahead=181)  DJCCi11gedFORE@forecast$sigma
DJCCi22gedFORE<-ugarchforecast(DJCCi22gedFIT,n.ahead=181)  DJCCi22gedFORE@forecast$sigma
DJCCi12gedFORE<-ugarchforecast(DJCCi12gedFIT,n.ahead=181)  DJCCi12gedFORE@forecast$sigma
DJCCi21gedFORE<-ugarchforecast(DJCCi21gedFIT,n.ahead=181)  DJCCi21gedFORE@forecast$sigma
DJCCc11gedFORE<-ugarchforecast(DJCCc11gedFIT,n.ahead=181)  DJCCc11gedFORE@forecast$sigma
DJCCc22gedFORE<-ugarchforecast(DJCCc22gedFIT,n.ahead=181)  DJCCc22gedFORE@forecast$sigma
DJCCc12gedFORE<-ugarchforecast(DJCCc12gedFIT,n.ahead=181)  DJCCc12gedFORE@forecast$sigma
DJCCc21gedFORE<-ugarchforecast(DJCCc21gedFIT,n.ahead=181)  DJCCc21gedFORE@forecast$sigma

DJCCs11stdFORE<-ugarchforecast(DJCCs11stdFIT,n.ahead=181)  DJCCs11stdFORE@forecast$sigma
DJCCs22stdFORE<-ugarchforecast(DJCCs22stdFIT,n.ahead=181)  DJCCs22stdFORE@forecast$sigma
DJCCs12stdFORE<-ugarchforecast(DJCCs12stdFIT,n.ahead=181)  DJCCs12stdFORE@forecast$sigma
DJCCs21stdFORE<-ugarchforecast(DJCCs21stdFIT,n.ahead=181)  DJCCs21stdFORE@forecast$sigma
DJCCe11stdFORE<-ugarchforecast(DJCCe11stdFIT,n.ahead=181)  DJCCe11stdFORE@forecast$sigma
DJCCe22stdFORE<-ugarchforecast(DJCCe22stdFIT,n.ahead=181)  DJCCe22stdFORE@forecast$sigma
DJCCe12stdFORE<-ugarchforecast(DJCCe12stdFIT,n.ahead=181)  DJCCe12stdFORE@forecast$sigma
DJCCe21stdFORE<-ugarchforecast(DJCCe21stdFIT,n.ahead=181)  DJCCe21stdFORE@forecast$sigma
DJCCg11stdFORE<-ugarchforecast(DJCCg11stdFIT,n.ahead=181)  DJCCg11stdFORE@forecast$sigma
DJCCg22stdFORE<-ugarchforecast(DJCCg22stdFIT,n.ahead=181)  DJCCg22stdFORE@forecast$sigma
DJCCg12stdFORE<-ugarchforecast(DJCCg12stdFIT,n.ahead=181)  DJCCg12stdFORE@forecast$sigma
DJCCg21stdFORE<-ugarchforecast(DJCCg21stdFIT,n.ahead=181)  DJCCg21stdFORE@forecast$sigma
DJCCi11stdFORE<-ugarchforecast(DJCCi11stdFIT,n.ahead=181)  DJCCi11stdFORE@forecast$sigma
DJCCi22stdFORE<-ugarchforecast(DJCCi22stdFIT,n.ahead=181)  DJCCi22stdFORE@forecast$sigma
DJCCi12stdFORE<-ugarchforecast(DJCCi12stdFIT,n.ahead=181)  DJCCi12stdFORE@forecast$sigma
DJCCi21stdFORE<-ugarchforecast(DJCCi21stdFIT,n.ahead=181)  DJCCi21stdFORE@forecast$sigma
DJCCc11stdFORE<-ugarchforecast(DJCCc11stdFIT,n.ahead=181)  DJCCc11stdFORE@forecast$sigma
DJCCc22stdFORE<-ugarchforecast(DJCCc22stdFIT,n.ahead=181)  DJCCc22stdFORE@forecast$sigma
DJCCc12stdFORE<-ugarchforecast(DJCCc12stdFIT,n.ahead=181)  DJCCc12stdFORE@forecast$sigma
DJCCc21stdFORE<-ugarchforecast(DJCCc21stdFIT,n.ahead=181)  DJCCc21stdFORE@forecast$sigma

DJCCs11norFORE<-ugarchforecast(DJCCs11norFIT,n.ahead=181)  DJCCs11norFORE@forecast$sigma
DJCCs22norFORE<-ugarchforecast(DJCCs22norFIT,n.ahead=181)  DJCCs22norFORE@forecast$sigma
DJCCs12norFORE<-ugarchforecast(DJCCs12norFIT,n.ahead=181)  DJCCs12norFORE@forecast$sigma
DJCCs21norFORE<-ugarchforecast(DJCCs21norFIT,n.ahead=181)  DJCCs21norFORE@forecast$sigma
DJCCe11norFORE<-ugarchforecast(DJCCe11norFIT,n.ahead=181)  DJCCe11norFORE@forecast$sigma
DJCCe22norFORE<-ugarchforecast(DJCCe22norFIT,n.ahead=181)  DJCCe22norFORE@forecast$sigma
DJCCe12norFORE<-ugarchforecast(DJCCe12norFIT,n.ahead=181)  DJCCe12norFORE@forecast$sigma
DJCCe21norFORE<-ugarchforecast(DJCCe21norFIT,n.ahead=181)  DJCCe21norFORE@forecast$sigma
DJCCg11norFORE<-ugarchforecast(DJCCg11norFIT,n.ahead=181)  DJCCg11norFORE@forecast$sigma
DJCCg22norFORE<-ugarchforecast(DJCCg22norFIT,n.ahead=181)  DJCCg22norFORE@forecast$sigma
DJCCg12norFORE<-ugarchforecast(DJCCg12norFIT,n.ahead=181)  DJCCg12norFORE@forecast$sigma
DJCCg21norFORE<-ugarchforecast(DJCCg21norFIT,n.ahead=181)  DJCCg21norFORE@forecast$sigma
DJCCi11norFORE<-ugarchforecast(DJCCi11norFIT,n.ahead=181)  DJCCi11norFORE@forecast$sigma
DJCCi22norFORE<-ugarchforecast(DJCCi22norFIT,n.ahead=181)  DJCCi22norFORE@forecast$sigma
DJCCi12norFORE<-ugarchforecast(DJCCi12norFIT,n.ahead=181)  DJCCi12norFORE@forecast$sigma
DJCCi21norFORE<-ugarchforecast(DJCCi21norFIT,n.ahead=181)  DJCCi21norFORE@forecast$sigma
DJCCc11norFORE<-ugarchforecast(DJCCc11norFIT,n.ahead=181)  DJCCc11norFORE@forecast$sigma
DJCCc22norFORE<-ugarchforecast(DJCCc22norFIT,n.ahead=181)  DJCCc22norFORE@forecast$sigma
DJCCc12norFORE<-ugarchforecast(DJCCc12norFIT,n.ahead=181)  DJCCc12norFORE@forecast$sigma
DJCCc21norFORE<-ugarchforecast(DJCCc21norFIT,n.ahead=181)  DJCCc21norFORE@forecast$sigma

##Coffee Forecast                                      ##Coffee Forecast
```

```
DJCFs11gedFORE<-ugarchforecast(DJCFs11gedFIT,n.ahead=181)  DJCFs11gedFORE@forecast$sigma
DJCFs22gedFORE<-ugarchforecast(DJCFs22gedFIT,n.ahead=181)  DJCFs22gedFORE@forecast$sigma
DJCFs12gedFORE<-ugarchforecast(DJCFs12gedFIT,n.ahead=181)  DJCFs12gedFORE@forecast$sigma
DJCFs21gedFORE<-ugarchforecast(DJCFs21gedFIT,n.ahead=181)  DJCFs21gedFORE@forecast$sigma
DJCFe11gedFORE<-ugarchforecast(DJCFe11gedFIT,n.ahead=181)  DJCFe11gedFORE@forecast$sigma
DJCFe22gedFORE<-ugarchforecast(DJCFe22gedFIT,n.ahead=181)  DJCFe22gedFORE@forecast$sigma
DJCFe12gedFORE<-ugarchforecast(DJCFe12gedFIT,n.ahead=181)  DJCFe12gedFORE@forecast$sigma
DJCFe21gedFORE<-ugarchforecast(DJCFe21gedFIT,n.ahead=181)  DJCFe21gedFORE@forecast$sigma
DJCFg11gedFORE<-ugarchforecast(DJCFg11gedFIT,n.ahead=181)  DJCFg11gedFORE@forecast$sigma
DJCFg22gedFORE<-ugarchforecast(DJCFg22gedFIT,n.ahead=181)  DJCFg22gedFORE@forecast$sigma
DJCFg12gedFORE<-ugarchforecast(DJCFg12gedFIT,n.ahead=181)  DJCFg12gedFORE@forecast$sigma
DJCFg21gedFORE<-ugarchforecast(DJCFg21gedFIT,n.ahead=181)  DJCFg21gedFORE@forecast$sigma
DJCFi11gedFORE<-ugarchforecast(DJCFi11gedFIT,n.ahead=181)  DJCFi11gedFORE@forecast$sigma
DJCFi22gedFORE<-ugarchforecast(DJCFi22gedFIT,n.ahead=181)  DJCFi22gedFORE@forecast$sigma
DJCFi12gedFORE<-ugarchforecast(DJCFi12gedFIT,n.ahead=181)  DJCFi12gedFORE@forecast$sigma
DJCFi21gedFORE<-ugarchforecast(DJCFi21gedFIT,n.ahead=181)  DJCFi21gedFORE@forecast$sigma
DJCFc11gedFORE<-ugarchforecast(DJCFc11gedFIT,n.ahead=181)  DJCFc11gedFORE@forecast$sigma
DJCFc22gedFORE<-ugarchforecast(DJCFc22gedFIT,n.ahead=181)  DJCFc22gedFORE@forecast$sigma
DJCFc12gedFORE<-ugarchforecast(DJCFc12gedFIT,n.ahead=181)  DJCFc12gedFORE@forecast$sigma
DJCFc21gedFORE<-ugarchforecast(DJCFc21gedFIT,n.ahead=181)  DJCFc21gedFORE@forecast$sigma

DJCFs11stdFORE<-ugarchforecast(DJCFs11stdFIT,n.ahead=181)  DJCFs11stdFORE@forecast$sigma
DJCFs22stdFORE<-ugarchforecast(DJCFs22stdFIT,n.ahead=181)  DJCFs22stdFORE@forecast$sigma
DJCFs12stdFORE<-ugarchforecast(DJCFs12stdFIT,n.ahead=181)  DJCFs12stdFORE@forecast$sigma
DJCFs21stdFORE<-ugarchforecast(DJCFs21stdFIT,n.ahead=181)  DJCFs21stdFORE@forecast$sigma
DJCFe11stdFORE<-ugarchforecast(DJCFe11stdFIT,n.ahead=181)  DJCFe11stdFORE@forecast$sigma
DJCFe22stdFORE<-ugarchforecast(DJCFe22stdFIT,n.ahead=181)  DJCFe22stdFORE@forecast$sigma
DJCFe12stdFORE<-ugarchforecast(DJCFe12stdFIT,n.ahead=181)  DJCFe12stdFORE@forecast$sigma
DJCFe21stdFORE<-ugarchforecast(DJCFe21stdFIT,n.ahead=181)  DJCFe21stdFORE@forecast$sigma
DJCFg11stdFORE<-ugarchforecast(DJCFg11stdFIT,n.ahead=181)  DJCFg11stdFORE@forecast$sigma
DJCFg22stdFORE<-ugarchforecast(DJCFg22stdFIT,n.ahead=181)  DJCFg22stdFORE@forecast$sigma
DJCFg12stdFORE<-ugarchforecast(DJCFg12stdFIT,n.ahead=181)  DJCFg12stdFORE@forecast$sigma
DJCFg21stdFORE<-ugarchforecast(DJCFg21stdFIT,n.ahead=181)  DJCFg21stdFORE@forecast$sigma
DJCFi11stdFORE<-ugarchforecast(DJCFi11stdFIT,n.ahead=181)  DJCFi11stdFORE@forecast$sigma
DJCFi22stdFORE<-ugarchforecast(DJCFi22stdFIT,n.ahead=181)  DJCFi22stdFORE@forecast$sigma
DJCFi12stdFORE<-ugarchforecast(DJCFi12stdFIT,n.ahead=181)  DJCFi12stdFORE@forecast$sigma
DJCFi21stdFORE<-ugarchforecast(DJCFi21stdFIT,n.ahead=181)  DJCFi21stdFORE@forecast$sigma
DJCFc11stdFORE<-ugarchforecast(DJCFc11stdFIT,n.ahead=181)  DJCFc11stdFORE@forecast$sigma
DJCFc22stdFORE<-ugarchforecast(DJCFc22stdFIT,n.ahead=181)  DJCFc22stdFORE@forecast$sigma
DJCFc12stdFORE<-ugarchforecast(DJCFc12stdFIT,n.ahead=181)  DJCFc12stdFORE@forecast$sigma
DJCFc21stdFORE<-ugarchforecast(DJCFc21stdFIT,n.ahead=181)  DJCFc21stdFORE@forecast$sigma

DJCFs11norFORE<-ugarchforecast(DJCFs11norFIT,n.ahead=181)  DJCFs11norFORE@forecast$sigma
DJCFs22norFORE<-ugarchforecast(DJCFs22norFIT,n.ahead=181)  DJCFs22norFORE@forecast$sigma
DJCFs12norFORE<-ugarchforecast(DJCFs12norFIT,n.ahead=181)  DJCFs12norFORE@forecast$sigma
DJCFs21norFORE<-ugarchforecast(DJCFs21norFIT,n.ahead=181)  DJCFs21norFORE@forecast$sigma
DJCFe11norFORE<-ugarchforecast(DJCFe11norFIT,n.ahead=181)  DJCFe11norFORE@forecast$sigma
DJCFe22norFORE<-ugarchforecast(DJCFe22norFIT,n.ahead=181)  DJCFe22norFORE@forecast$sigma
DJCFe12norFORE<-ugarchforecast(DJCFe12norFIT,n.ahead=181)  DJCFe12norFORE@forecast$sigma
DJCFe21norFORE<-ugarchforecast(DJCFe21norFIT,n.ahead=181)  DJCFe21norFORE@forecast$sigma
DJCFg11norFORE<-ugarchforecast(DJCFg11norFIT,n.ahead=181)  DJCFg11norFORE@forecast$sigma
DJCFg22norFORE<-ugarchforecast(DJCFg22norFIT,n.ahead=181)  DJCFg22norFORE@forecast$sigma
DJCFg12norFORE<-ugarchforecast(DJCFg12norFIT,n.ahead=181)  DJCFg12norFORE@forecast$sigma
DJCFg21norFORE<-ugarchforecast(DJCFg21norFIT,n.ahead=181)  DJCFg21norFORE@forecast$sigma
DJCFi11norFORE<-ugarchforecast(DJCFi11norFIT,n.ahead=181)  DJCFi11norFORE@forecast$sigma
DJCFi22norFORE<-ugarchforecast(DJCFi22norFIT,n.ahead=181)  DJCFi22norFORE@forecast$sigma
DJCFi12norFORE<-ugarchforecast(DJCFi12norFIT,n.ahead=181)  DJCFi12norFORE@forecast$sigma
DJCFi21norFORE<-ugarchforecast(DJCFi21norFIT,n.ahead=181)  DJCFi21norFORE@forecast$sigma
DJCFc11norFORE<-ugarchforecast(DJCFc11norFIT,n.ahead=181)  DJCFc11norFORE@forecast$sigma
DJCFc22norFORE<-ugarchforecast(DJCFc22norFIT,n.ahead=181)  DJCFc22norFORE@forecast$sigma
DJCFc12norFORE<-ugarchforecast(DJCFc12norFIT,n.ahead=181)  DJCFc12norFORE@forecast$sigma
DJCFc21norFORE<-ugarchforecast(DJCFc21norFIT,n.ahead=181)  DJCFc21norFORE@forecast$sigma

##Copper Forecast                                          ##Copper Forecast
DJCPs11gedFORE<-ugarchforecast(DJCPs11gedFIT,n.ahead=181)  DJCPs11gedFORE@forecast$sigma
DJCPs22gedFORE<-ugarchforecast(DJCPs22gedFIT,n.ahead=181)  DJCPs22gedFORE@forecast$sigma
DJCPs12gedFORE<-ugarchforecast(DJCPs12gedFIT,n.ahead=181)  DJCPs12gedFORE@forecast$sigma
DJCPs21gedFORE<-ugarchforecast(DJCPs21gedFIT,n.ahead=181)  DJCPs21gedFORE@forecast$sigma
DJCPe11gedFORE<-ugarchforecast(DJCPe11gedFIT,n.ahead=181)  DJCPe11gedFORE@forecast$sigma
DJCPe22gedFORE<-ugarchforecast(DJCPe22gedFIT,n.ahead=181)  DJCPe22gedFORE@forecast$sigma
DJCPe12gedFORE<-ugarchforecast(DJCPe12gedFIT,n.ahead=181)  DJCPe12gedFORE@forecast$sigma
DJCPe21gedFORE<-ugarchforecast(DJCPe21gedFIT,n.ahead=181)  DJCPe21gedFORE@forecast$sigma
DJCPg11gedFORE<-ugarchforecast(DJCPg11gedFIT,n.ahead=181)  DJCPg11gedFORE@forecast$sigma
DJCPg22gedFORE<-ugarchforecast(DJCPg22gedFIT,n.ahead=181)  DJCPg22gedFORE@forecast$sigma
DJCPg12gedFORE<-ugarchforecast(DJCPg12gedFIT,n.ahead=181)  DJCPg12gedFORE@forecast$sigma
DJCPg21gedFORE<-ugarchforecast(DJCPg21gedFIT,n.ahead=181)  DJCPg21gedFORE@forecast$sigma
DJCPi11gedFORE<-ugarchforecast(DJCPi11gedFIT,n.ahead=181)  DJCPi11gedFORE@forecast$sigma
DJCPi22gedFORE<-ugarchforecast(DJCPi22gedFIT,n.ahead=181)  DJCPi22gedFORE@forecast$sigma
DJCPi12gedFORE<-ugarchforecast(DJCPi12gedFIT,n.ahead=181)  DJCPi12gedFORE@forecast$sigma
DJCPi21gedFORE<-ugarchforecast(DJCPi21gedFIT,n.ahead=181)  DJCPi21gedFORE@forecast$sigma
DJCPc11gedFORE<-ugarchforecast(DJCPc11gedFIT,n.ahead=181)  DJCPc11gedFORE@forecast$sigma
DJCPc22gedFORE<-ugarchforecast(DJCPc22gedFIT,n.ahead=181)  DJCPc22gedFORE@forecast$sigma
DJCPc12gedFORE<-ugarchforecast(DJCPc12gedFIT,n.ahead=181)  DJCPc12gedFORE@forecast$sigma
DJCPc21gedFORE<-ugarchforecast(DJCPc21gedFIT,n.ahead=181)  DJCPc21gedFORE@forecast$sigma

DJCPs11stdFORE<-ugarchforecast(DJCPs11stdFIT,n.ahead=181)  DJCPs11stdFORE@forecast$sigma
DJCPs22stdFORE<-ugarchforecast(DJCPs22stdFIT,n.ahead=181)  DJCPs22stdFORE@forecast$sigma
DJCPs12stdFORE<-ugarchforecast(DJCPs12stdFIT,n.ahead=181)  DJCPs12stdFORE@forecast$sigma
DJCPs21stdFORE<-ugarchforecast(DJCPs21stdFIT,n.ahead=181)  DJCPs21stdFORE@forecast$sigma
DJCPe11stdFORE<-ugarchforecast(DJCPe11stdFIT,n.ahead=181)  DJCPe11stdFORE@forecast$sigma
DJCPe22stdFORE<-ugarchforecast(DJCPe22stdFIT,n.ahead=181)  DJCPe22stdFORE@forecast$sigma
DJCPe12stdFORE<-ugarchforecast(DJCPe12stdFIT,n.ahead=181)  DJCPe12stdFORE@forecast$sigma
DJCPe21stdFORE<-ugarchforecast(DJCPe21stdFIT,n.ahead=181)  DJCPe21stdFORE@forecast$sigma
DJCPg11stdFORE<-ugarchforecast(DJCPg11stdFIT,n.ahead=181)  DJCPg11stdFORE@forecast$sigma
DJCPg22stdFORE<-ugarchforecast(DJCPg22stdFIT,n.ahead=181)  DJCPg22stdFORE@forecast$sigma
DJCPg12stdFORE<-ugarchforecast(DJCPg12stdFIT,n.ahead=181)  DJCPg12stdFORE@forecast$sigma
DJCPg21stdFORE<-ugarchforecast(DJCPg21stdFIT,n.ahead=181)  DJCPg21stdFORE@forecast$sigma
DJCPi11stdFORE<-ugarchforecast(DJCPi11stdFIT,n.ahead=181)  DJCPi11stdFORE@forecast$sigma
DJCPi22stdFORE<-ugarchforecast(DJCPi22stdFIT,n.ahead=181)  DJCPi22stdFORE@forecast$sigma
DJCPi12stdFORE<-ugarchforecast(DJCPi12stdFIT,n.ahead=181)  DJCPi12stdFORE@forecast$sigma
DJCPi21stdFORE<-ugarchforecast(DJCPi21stdFIT,n.ahead=181)  DJCPi21stdFORE@forecast$sigma
DJCPc11stdFORE<-ugarchforecast(DJCPc11stdFIT,n.ahead=181)  DJCPc11stdFORE@forecast$sigma
DJCPc22stdFORE<-ugarchforecast(DJCPc22stdFIT,n.ahead=181)  DJCPc22stdFORE@forecast$sigma
DJCPc12stdFORE<-ugarchforecast(DJCPc12stdFIT,n.ahead=181)  DJCPc12stdFORE@forecast$sigma
DJCPc21stdFORE<-ugarchforecast(DJCPc21stdFIT,n.ahead=181)  DJCPc21stdFORE@forecast$sigma

DJCPs11norFORE<-ugarchforecast(DJCPs11norFIT,n.ahead=181)  DJCPs11norFORE@forecast$sigma
DJCPs22norFORE<-ugarchforecast(DJCPs22norFIT,n.ahead=181)  DJCPs22norFORE@forecast$sigma
DJCPs12norFORE<-ugarchforecast(DJCPs12norFIT,n.ahead=181)  DJCPs12norFORE@forecast$sigma
DJCPs21norFORE<-ugarchforecast(DJCPs21norFIT,n.ahead=181)  DJCPs21norFORE@forecast$sigma
DJCPe11norFORE<-ugarchforecast(DJCPe11norFIT,n.ahead=181)  DJCPe11norFORE@forecast$sigma
DJCPe22norFORE<-ugarchforecast(DJCPe22norFIT,n.ahead=181)  DJCPe22norFORE@forecast$sigma
DJCPe12norFORE<-ugarchforecast(DJCPe12norFIT,n.ahead=181)  DJCPe12norFORE@forecast$sigma
DJCPe21norFORE<-ugarchforecast(DJCPe21norFIT,n.ahead=181)  DJCPe21norFORE@forecast$sigma
DJCPg11norFORE<-ugarchforecast(DJCPg11norFIT,n.ahead=181)  DJCPg11norFORE@forecast$sigma
DJCPg22norFORE<-ugarchforecast(DJCPg22norFIT,n.ahead=181)  DJCPg22norFORE@forecast$sigma
DJCPg12norFORE<-ugarchforecast(DJCPg12norFIT,n.ahead=181)  DJCPg12norFORE@forecast$sigma
DJCPg21norFORE<-ugarchforecast(DJCPg21norFIT,n.ahead=181)  DJCPg21norFORE@forecast$sigma
DJCPi11norFORE<-ugarchforecast(DJCPi11norFIT,n.ahead=181)  DJCPi11norFORE@forecast$sigma
DJCPi22norFORE<-ugarchforecast(DJCPi22norFIT,n.ahead=181)  DJCPi22norFORE@forecast$sigma
DJCPi12norFORE<-ugarchforecast(DJCPi12norFIT,n.ahead=181)  DJCPi12norFORE@forecast$sigma
DJCPi21norFORE<-ugarchforecast(DJCPi21norFIT,n.ahead=181)  DJCPi21norFORE@forecast$sigma
DJCPc11norFORE<-ugarchforecast(DJCPc11norFIT,n.ahead=181)  DJCPc11norFORE@forecast$sigma
DJCPc22norFORE<-ugarchforecast(DJCPc22norFIT,n.ahead=181)  DJCPc22norFORE@forecast$sigma
DJCPc12norFORE<-ugarchforecast(DJCPc12norFIT,n.ahead=181)  DJCPc12norFORE@forecast$sigma
DJCPc21norFORE<-ugarchforecast(DJCPc21norFIT,n.ahead=181)  DJCPc21norFORE@forecast$sigma

##Cotton Forecast                                          ##Cotton Forecast
DJCTs11gedFORE<-ugarchforecast(DJCTs11gedFIT,n.ahead=181)  DJCTs11gedFORE@forecast$sigma
DJCTs22gedFORE<-ugarchforecast(DJCTs22gedFIT,n.ahead=181)  DJCTs22gedFORE@forecast$sigma
DJCTs12gedFORE<-ugarchforecast(DJCTs12gedFIT,n.ahead=181)  DJCTs12gedFORE@forecast$sigma
DJCTs21gedFORE<-ugarchforecast(DJCTs21gedFIT,n.ahead=181)  DJCTs21gedFORE@forecast$sigma
DJCTe11gedFORE<-ugarchforecast(DJCTe11gedFIT,n.ahead=181)  DJCTe11gedFORE@forecast$sigma
DJCTe22gedFORE<-ugarchforecast(DJCTe22gedFIT,n.ahead=181)  DJCTe22gedFORE@forecast$sigma
DJCTe12gedFORE<-ugarchforecast(DJCTe12gedFIT,n.ahead=181)  DJCTe12gedFORE@forecast$sigma
DJCTe21gedFORE<-ugarchforecast(DJCTe21gedFIT,n.ahead=181)  DJCTe21gedFORE@forecast$sigma
DJCTg11gedFORE<-ugarchforecast(DJCTg11gedFIT,n.ahead=181)  DJCTg11gedFORE@forecast$sigma
DJCTg22gedFORE<-ugarchforecast(DJCTg22gedFIT,n.ahead=181)  DJCTg22gedFORE@forecast$sigma
DJCTg12gedFORE<-ugarchforecast(DJCTg12gedFIT,n.ahead=181)  DJCTg12gedFORE@forecast$sigma
DJCTg21gedFORE<-ugarchforecast(DJCTg21gedFIT,n.ahead=181)  DJCTg21gedFORE@forecast$sigma
DJCTi11gedFORE<-ugarchforecast(DJCTi11gedFIT,n.ahead=181)  DJCTi11gedFORE@forecast$sigma
DJCTi22gedFORE<-ugarchforecast(DJCTi22gedFIT,n.ahead=181)  DJCTi22gedFORE@forecast$sigma
DJCTi12gedFORE<-ugarchforecast(DJCTi12gedFIT,n.ahead=181)  DJCTi12gedFORE@forecast$sigma
DJCTi21gedFORE<-ugarchforecast(DJCTi21gedFIT,n.ahead=181)  DJCTi21gedFORE@forecast$sigma
DJCTc11gedFORE<-ugarchforecast(DJCTc11gedFIT,n.ahead=181)  DJCTc11gedFORE@forecast$sigma
DJCTc22gedFORE<-ugarchforecast(DJCTc22gedFIT,n.ahead=181)  DJCTc22gedFORE@forecast$sigma
DJCTc12gedFORE<-ugarchforecast(DJCTc12gedFIT,n.ahead=181)  DJCTc12gedFORE@forecast$sigma
DJCTc21gedFORE<-ugarchforecast(DJCTc21gedFIT,n.ahead=181)  DJCTc21gedFORE@forecast$sigma

DJCTs11stdFORE<-ugarchforecast(DJCTs11stdFIT,n.ahead=181)  DJCTs11stdFORE@forecast$sigma
DJCTs22stdFORE<-ugarchforecast(DJCTs22stdFIT,n.ahead=181)  DJCTs22stdFORE@forecast$sigma
DJCTs12stdFORE<-ugarchforecast(DJCTs12stdFIT,n.ahead=181)  DJCTs12stdFORE@forecast$sigma
DJCTs21stdFORE<-ugarchforecast(DJCTs21stdFIT,n.ahead=181)  DJCTs21stdFORE@forecast$sigma
DJCTe11stdFORE<-ugarchforecast(DJCTe11stdFIT,n.ahead=181)  DJCTe11stdFORE@forecast$sigma
DJCTe22stdFORE<-ugarchforecast(DJCTe22stdFIT,n.ahead=181)  DJCTe22stdFORE@forecast$sigma
DJCTe12stdFORE<-ugarchforecast(DJCTe12stdFIT,n.ahead=181)  DJCTe12stdFORE@forecast$sigma
DJCTe21stdFORE<-ugarchforecast(DJCTe21stdFIT,n.ahead=181)  DJCTe21stdFORE@forecast$sigma
DJCTg11stdFORE<-ugarchforecast(DJCTg11stdFIT,n.ahead=181)  DJCTg11stdFORE@forecast$sigma
DJCTg22stdFORE<-ugarchforecast(DJCTg22stdFIT,n.ahead=181)  DJCTg22stdFORE@forecast$sigma
DJCTg12stdFORE<-ugarchforecast(DJCTg12stdFIT,n.ahead=181)  DJCTg12stdFORE@forecast$sigma
DJCTg21stdFORE<-ugarchforecast(DJCTg21stdFIT,n.ahead=181)  DJCTg21stdFORE@forecast$sigma
DJCTi11stdFORE<-ugarchforecast(DJCTi11stdFIT,n.ahead=181)  DJCTi11stdFORE@forecast$sigma
DJCTi22stdFORE<-ugarchforecast(DJCTi22stdFIT,n.ahead=181)  DJCTi22stdFORE@forecast$sigma
DJCTi12stdFORE<-ugarchforecast(DJCTi12stdFIT,n.ahead=181)  DJCTi12stdFORE@forecast$sigma
DJCTi21stdFORE<-ugarchforecast(DJCTi21stdFIT,n.ahead=181)  DJCTi21stdFORE@forecast$sigma
DJCTc11stdFORE<-ugarchforecast(DJCTc11stdFIT,n.ahead=181)  DJCTc11stdFORE@forecast$sigma
DJCTc22stdFORE<-ugarchforecast(DJCTc22stdFIT,n.ahead=181)  DJCTc22stdFORE@forecast$sigma
DJCTc12stdFORE<-ugarchforecast(DJCTc12stdFIT,n.ahead=181)  DJCTc12stdFORE@forecast$sigma
DJCTc21stdFORE<-ugarchforecast(DJCTc21stdFIT,n.ahead=181)  DJCTc21stdFORE@forecast$sigma

DJCTs11norFORE<-ugarchforecast(DJCTs11norFIT,n.ahead=181)  DJCTs11norFORE@forecast$sigma
DJCTs22norFORE<-ugarchforecast(DJCTs22norFIT,n.ahead=181)  DJCTs22norFORE@forecast$sigma
DJCTs12norFORE<-ugarchforecast(DJCTs12norFIT,n.ahead=181)  DJCTs12norFORE@forecast$sigma
DJCTs21norFORE<-ugarchforecast(DJCTs21norFIT,n.ahead=181)  DJCTs21norFORE@forecast$sigma
DJCTe11norFORE<-ugarchforecast(DJCTe11norFIT,n.ahead=181)  DJCTe11norFORE@forecast$sigma
DJCTe22norFORE<-ugarchforecast(DJCTe22norFIT,n.ahead=181)  DJCTe22norFORE@forecast$sigma
DJCTe12norFORE<-ugarchforecast(DJCTe12norFIT,n.ahead=181)  DJCTe12norFORE@forecast$sigma
DJCTe21norFORE<-ugarchforecast(DJCTe21norFIT,n.ahead=181)  DJCTe21norFORE@forecast$sigma
DJCTg11norFORE<-ugarchforecast(DJCTg11norFIT,n.ahead=181)  DJCTg11norFORE@forecast$sigma
DJCTg22norFORE<-ugarchforecast(DJCTg22norFIT,n.ahead=181)  DJCTg22norFORE@forecast$sigma
DJCTg12norFORE<-ugarchforecast(DJCTg12norFIT,n.ahead=181)  DJCTg12norFORE@forecast$sigma
DJCTg21norFORE<-ugarchforecast(DJCTg21norFIT,n.ahead=181)  DJCTg21norFORE@forecast$sigma
DJCTi11norFORE<-ugarchforecast(DJCTi11norFIT,n.ahead=181)  DJCTi11norFORE@forecast$sigma
DJCTi22norFORE<-ugarchforecast(DJCTi22norFIT,n.ahead=181)  DJCTi22norFORE@forecast$sigma
DJCTi12norFORE<-ugarchforecast(DJCTi12norFIT,n.ahead=181)  DJCTi12norFORE@forecast$sigma
DJCTi21norFORE<-ugarchforecast(DJCTi21norFIT,n.ahead=181)  DJCTi21norFORE@forecast$sigma
DJCTc11norFORE<-ugarchforecast(DJCTc11norFIT,n.ahead=181)  DJCTc11norFORE@forecast$sigma
DJCTc22norFORE<-ugarchforecast(DJCTc22norFIT,n.ahead=181)  DJCTc22norFORE@forecast$sigma
DJCTc12norFORE<-ugarchforecast(DJCTc12norFIT,n.ahead=181)  DJCTc12norFORE@forecast$sigma
DJCTc21norFORE<-ugarchforecast(DJCTc21norFIT,n.ahead=181)  DJCTc21norFORE@forecast$sigma

##Lead Forecast                                            ##Lead Forecast
DJLEs11gedFORE<-ugarchforecast(DJLEs11gedFIT,n.ahead=181)  DJLEs11gedFORE@forecast$sigma
DJLEs22gedFORE<-ugarchforecast(DJLEs22gedFIT,n.ahead=181)  DJLEs22gedFORE@forecast$sigma
DJLEs12gedFORE<-ugarchforecast(DJLEs12gedFIT,n.ahead=181)  DJLEs12gedFORE@forecast$sigma
```

```
D1LEs21gedFORE<-ugarchforecast(D1LEs21gedFIT,n.ahead=181)  D1LEs21gedFORE@forecast$sigma
D1LEe11gedFORE<-ugarchforecast(D1LEe11gedFIT,n.ahead=181)  D1LEe11gedFORE@forecast$sigma
D1LEe22gedFORE<-ugarchforecast(D1LEe22gedFIT,n.ahead=181)  D1LEe22gedFORE@forecast$sigma
D1LEe12gedFORE<-ugarchforecast(D1LEe12gedFIT,n.ahead=181)  D1LEe12gedFORE@forecast$sigma
D1LEe21gedFORE<-ugarchforecast(D1LEe21gedFIT,n.ahead=181)  D1LEe21gedFORE@forecast$sigma
D1LEg11gedFORE<-ugarchforecast(D1LEg11gedFIT,n.ahead=181)  D1LEg11gedFORE@forecast$sigma
D1LEg22gedFORE<-ugarchforecast(D1LEg22gedFIT,n.ahead=181)  D1LEg22gedFORE@forecast$sigma
D1LEg12gedFORE<-ugarchforecast(D1LEg12gedFIT,n.ahead=181)  D1LEg12gedFORE@forecast$sigma
D1LEg21gedFORE<-ugarchforecast(D1LEg21gedFIT,n.ahead=181)  D1LEg21gedFORE@forecast$sigma
D1LEi11gedFORE<-ugarchforecast(D1LEi11gedFIT,n.ahead=181)  D1LEi11gedFORE@forecast$sigma
D1LEi22gedFORE<-ugarchforecast(D1LEi22gedFIT,n.ahead=181)  D1LEi22gedFORE@forecast$sigma
D1LEi12gedFORE<-ugarchforecast(D1LEi12gedFIT,n.ahead=181)  D1LEi12gedFORE@forecast$sigma
D1LEi21gedFORE<-ugarchforecast(D1LEi21gedFIT,n.ahead=181)  D1LEi21gedFORE@forecast$sigma
D1LEc11gedFORE<-ugarchforecast(D1LEc11gedFIT,n.ahead=181)  D1LEc11gedFORE@forecast$sigma
D1LEc22gedFORE<-ugarchforecast(D1LEc22gedFIT,n.ahead=181)  D1LEc22gedFORE@forecast$sigma
D1LEc12gedFORE<-ugarchforecast(D1LEc12gedFIT,n.ahead=181)  D1LEc12gedFORE@forecast$sigma
D1LEc21gedFORE<-ugarchforecast(D1LEc21gedFIT,n.ahead=181)  D1LEc21gedFORE@forecast$sigma

D1LEs11stdFORE<-ugarchforecast(D1LEs11stdFIT,n.ahead=181)  D1LEs11stdFORE@forecast$sigma
D1LEs22stdFORE<-ugarchforecast(D1LEs22stdFIT,n.ahead=181)  D1LEs22stdFORE@forecast$sigma
D1LEs12stdFORE<-ugarchforecast(D1LEs12stdFIT,n.ahead=181)  D1LEs12stdFORE@forecast$sigma
D1LEs21stdFORE<-ugarchforecast(D1LEs21stdFIT,n.ahead=181)  D1LEs21stdFORE@forecast$sigma
D1LEe11stdFORE<-ugarchforecast(D1LEe11stdFIT,n.ahead=181)  D1LEe11stdFORE@forecast$sigma
D1LEe22stdFORE<-ugarchforecast(D1LEe22stdFIT,n.ahead=181)  D1LEe22stdFORE@forecast$sigma
D1LEe12stdFORE<-ugarchforecast(D1LEe12stdFIT,n.ahead=181)  D1LEe12stdFORE@forecast$sigma
D1LEe21stdFORE<-ugarchforecast(D1LEe21stdFIT,n.ahead=181)  D1LEe21stdFORE@forecast$sigma
D1LEg11stdFORE<-ugarchforecast(D1LEg11stdFIT,n.ahead=181)  D1LEg11stdFORE@forecast$sigma
D1LEg22stdFORE<-ugarchforecast(D1LEg22stdFIT,n.ahead=181)  D1LEg22stdFORE@forecast$sigma
D1LEg12stdFORE<-ugarchforecast(D1LEg12stdFIT,n.ahead=181)  D1LEg12stdFORE@forecast$sigma
D1LEg21stdFORE<-ugarchforecast(D1LEg21stdFIT,n.ahead=181)  D1LEg21stdFORE@forecast$sigma
D1LEi11stdFORE<-ugarchforecast(D1LEi11stdFIT,n.ahead=181)  D1LEi11stdFORE@forecast$sigma
D1LEi22stdFORE<-ugarchforecast(D1LEi22stdFIT,n.ahead=181)  D1LEi22stdFORE@forecast$sigma
D1LEi12stdFORE<-ugarchforecast(D1LEi12stdFIT,n.ahead=181)  D1LEi12stdFORE@forecast$sigma
D1LEi21stdFORE<-ugarchforecast(D1LEi21stdFIT,n.ahead=181)  D1LEi21stdFORE@forecast$sigma
D1LEc11stdFORE<-ugarchforecast(D1LEc11stdFIT,n.ahead=181)  D1LEc11stdFORE@forecast$sigma
D1LEc22stdFORE<-ugarchforecast(D1LEc22stdFIT,n.ahead=181)  D1LEc22stdFORE@forecast$sigma
D1LEc12stdFORE<-ugarchforecast(D1LEc12stdFIT,n.ahead=181)  D1LEc12stdFORE@forecast$sigma
D1LEc21stdFORE<-ugarchforecast(D1LEc21stdFIT,n.ahead=181)  D1LEc21stdFORE@forecast$sigma

D1LEs11norFORE<-ugarchforecast(D1LEs11norFIT,n.ahead=181)  D1LEs11norFORE@forecast$sigma
D1LEs22norFORE<-ugarchforecast(D1LEs22norFIT,n.ahead=181)  D1LEs22norFORE@forecast$sigma
D1LEs12norFORE<-ugarchforecast(D1LEs12norFIT,n.ahead=181)  D1LEs12norFORE@forecast$sigma
D1LEs21norFORE<-ugarchforecast(D1LEs21norFIT,n.ahead=181)  D1LEs21norFORE@forecast$sigma
D1LEe11norFORE<-ugarchforecast(D1LEe11norFIT,n.ahead=181)  D1LEe11norFORE@forecast$sigma
D1LEe22norFORE<-ugarchforecast(D1LEe22norFIT,n.ahead=181)  D1LEe22norFORE@forecast$sigma
D1LEe12norFORE<-ugarchforecast(D1LEe12norFIT,n.ahead=181)  D1LEe12norFORE@forecast$sigma
D1LEe21norFORE<-ugarchforecast(D1LEe21norFIT,n.ahead=181)  D1LEe21norFORE@forecast$sigma
D1LEg11norFORE<-ugarchforecast(D1LEg11norFIT,n.ahead=181)  D1LEg11norFORE@forecast$sigma
D1LEg22norFORE<-ugarchforecast(D1LEg22norFIT,n.ahead=181)  D1LEg22norFORE@forecast$sigma
D1LEg12norFORE<-ugarchforecast(D1LEg12norFIT,n.ahead=181)  D1LEg12norFORE@forecast$sigma
D1LEg21norFORE<-ugarchforecast(D1LEg21norFIT,n.ahead=181)  D1LEg21norFORE@forecast$sigma
D1LEi11norFORE<-ugarchforecast(D1LEi11norFIT,n.ahead=181)  D1LEi11norFORE@forecast$sigma
D1LEi22norFORE<-ugarchforecast(D1LEi22norFIT,n.ahead=181)  D1LEi22norFORE@forecast$sigma
D1LEi12norFORE<-ugarchforecast(D1LEi12norFIT,n.ahead=181)  D1LEi12norFORE@forecast$sigma
D1LEi21norFORE<-ugarchforecast(D1LEi21norFIT,n.ahead=181)  D1LEi21norFORE@forecast$sigma
D1LEc11norFORE<-ugarchforecast(D1LEc11norFIT,n.ahead=181)  D1LEc11norFORE@forecast$sigma
D1LEc22norFORE<-ugarchforecast(D1LEc22norFIT,n.ahead=181)  D1LEc22norFORE@forecast$sigma
D1LEc12norFORE<-ugarchforecast(D1LEc12norFIT,n.ahead=181)  D1LEc12norFORE@forecast$sigma
D1LEc21norFORE<-ugarchforecast(D1LEc21norFIT,n.ahead=181)  D1LEc21norFORE@forecast$sigma

##Gold Forecast                                            ##Gold Forecast
D3GOs11gedFORE<-ugarchforecast(D3GOs11gedFIT,n.ahead=181)  D3GOs11gedFORE@forecast$sigma
D3GOs22gedFORE<-ugarchforecast(D3GOs22gedFIT,n.ahead=181)  D3GOs22gedFORE@forecast$sigma
D3GOs12gedFORE<-ugarchforecast(D3GOs12gedFIT,n.ahead=181)  D3GOs12gedFORE@forecast$sigma
D3GOs21gedFORE<-ugarchforecast(D3GOs21gedFIT,n.ahead=181)  D3GOs21gedFORE@forecast$sigma
D3GOe11gedFORE<-ugarchforecast(D3GOe11gedFIT,n.ahead=181)  D3GOe11gedFORE@forecast$sigma
D3GOe22gedFORE<-ugarchforecast(D3GOe22gedFIT,n.ahead=181)  D3GOe22gedFORE@forecast$sigma
D3GOe12gedFORE<-ugarchforecast(D3GOe12gedFIT,n.ahead=181)  D3GOe12gedFORE@forecast$sigma
D3GOe21gedFORE<-ugarchforecast(D3GOe21gedFIT,n.ahead=181)  D3GOe21gedFORE@forecast$sigma
D3GOg11gedFORE<-ugarchforecast(D3GOg11gedFIT,n.ahead=181)  D3GOg11gedFORE@forecast$sigma
D3GOg22gedFORE<-ugarchforecast(D3GOg22gedFIT,n.ahead=181)  D3GOg22gedFORE@forecast$sigma
D3GOg12gedFORE<-ugarchforecast(D3GOg12gedFIT,n.ahead=181)  D3GOg12gedFORE@forecast$sigma
D3GOg21gedFORE<-ugarchforecast(D3GOg21gedFIT,n.ahead=181)  D3GOg21gedFORE@forecast$sigma
D3GOi11gedFORE<-ugarchforecast(D3GOi11gedFIT,n.ahead=181)  D3GOi11gedFORE@forecast$sigma
D3GOi22gedFORE<-ugarchforecast(D3GOi22gedFIT,n.ahead=181)  D3GOi22gedFORE@forecast$sigma
D3GOi12gedFORE<-ugarchforecast(D3GOi12gedFIT,n.ahead=181)  D3GOi12gedFORE@forecast$sigma
D3GOi21gedFORE<-ugarchforecast(D3GOi21gedFIT,n.ahead=181)  D3GOi21gedFORE@forecast$sigma
D3GOc11gedFORE<-ugarchforecast(D3GOc11gedFIT,n.ahead=181)  D3GOc11gedFORE@forecast$sigma
D3GOc22gedFORE<-ugarchforecast(D3GOc22gedFIT,n.ahead=181)  D3GOc22gedFORE@forecast$sigma
D3GOc12gedFORE<-ugarchforecast(D3GOc12gedFIT,n.ahead=181)  D3GOc12gedFORE@forecast$sigma
D3GOc21gedFORE<-ugarchforecast(D3GOc21gedFIT,n.ahead=181)  D3GOc21gedFORE@forecast$sigma

D3GOs11stdFORE<-ugarchforecast(D3GOs11stdFIT,n.ahead=181)  D3GOs11stdFORE@forecast$sigma
D3GOs22stdFORE<-ugarchforecast(D3GOs22stdFIT,n.ahead=181)  D3GOs22stdFORE@forecast$sigma
D3GOs12stdFORE<-ugarchforecast(D3GOs12stdFIT,n.ahead=181)  D3GOs12stdFORE@forecast$sigma
D3GOs21stdFORE<-ugarchforecast(D3GOs21stdFIT,n.ahead=181)  D3GOs21stdFORE@forecast$sigma
D3GOe11stdFORE<-ugarchforecast(D3GOe11stdFIT,n.ahead=181)  D3GOe11stdFORE@forecast$sigma
D3GOe22stdFORE<-ugarchforecast(D3GOe22stdFIT,n.ahead=181)  D3GOe22stdFORE@forecast$sigma
D3GOe12stdFORE<-ugarchforecast(D3GOe12stdFIT,n.ahead=181)  D3GOe12stdFORE@forecast$sigma
D3GOe21stdFORE<-ugarchforecast(D3GOe21stdFIT,n.ahead=181)  D3GOe21stdFORE@forecast$sigma
D3GOg11stdFORE<-ugarchforecast(D3GOg11stdFIT,n.ahead=181)  D3GOg11stdFORE@forecast$sigma
D3GOg22stdFORE<-ugarchforecast(D3GOg22stdFIT,n.ahead=181)  D3GOg22stdFORE@forecast$sigma
D3GOg12stdFORE<-ugarchforecast(D3GOg12stdFIT,n.ahead=181)  D3GOg12stdFORE@forecast$sigma
D3GOg21stdFORE<-ugarchforecast(D3GOg21stdFIT,n.ahead=181)  D3GOg21stdFORE@forecast$sigma
D3GOi11stdFORE<-ugarchforecast(D3GOi11stdFIT,n.ahead=181)  D3GOi11stdFORE@forecast$sigma
D3GOi22stdFORE<-ugarchforecast(D3GOi22stdFIT,n.ahead=181)  D3GOi22stdFORE@forecast$sigma
D3GOi12stdFORE<-ugarchforecast(D3GOi12stdFIT,n.ahead=181)  D3GOi12stdFORE@forecast$sigma
D3GOi21stdFORE<-ugarchforecast(D3GOi21stdFIT,n.ahead=181)  D3GOi21stdFORE@forecast$sigma
D3GOc11stdFORE<-ugarchforecast(D3GOc11stdFIT,n.ahead=181)  D3GOc11stdFORE@forecast$sigma
D3GOc22stdFORE<-ugarchforecast(D3GOc22stdFIT,n.ahead=181)  D3GOc22stdFORE@forecast$sigma
D3GOc12stdFORE<-ugarchforecast(D3GOc12stdFIT,n.ahead=181)  D3GOc12stdFORE@forecast$sigma
D3GOc21stdFORE<-ugarchforecast(D3GOc21stdFIT,n.ahead=181)  D3GOc21stdFORE@forecast$sigma

D3GOs11norFORE<-ugarchforecast(D3GOs11norFIT,n.ahead=181)  D3GOs11norFORE@forecast$sigma
D3GOs22norFORE<-ugarchforecast(D3GOs22norFIT,n.ahead=181)  D3GOs22norFORE@forecast$sigma
D3GOs12norFORE<-ugarchforecast(D3GOs12norFIT,n.ahead=181)  D3GOs12norFORE@forecast$sigma
D3GOs21norFORE<-ugarchforecast(D3GOs21norFIT,n.ahead=181)  D3GOs21norFORE@forecast$sigma
D3GOe11norFORE<-ugarchforecast(D3GOe11norFIT,n.ahead=181)  D3GOe11norFORE@forecast$sigma
D3GOe22norFORE<-ugarchforecast(D3GOe22norFIT,n.ahead=181)  D3GOe22norFORE@forecast$sigma
D3GOe12norFORE<-ugarchforecast(D3GOe12norFIT,n.ahead=181)  D3GOe12norFORE@forecast$sigma
D3GOe21norFORE<-ugarchforecast(D3GOe21norFIT,n.ahead=181)  D3GOe21norFORE@forecast$sigma
D3GOg11norFORE<-ugarchforecast(D3GOg11norFIT,n.ahead=181)  D3GOg11norFORE@forecast$sigma
D3GOg22norFORE<-ugarchforecast(D3GOg22norFIT,n.ahead=181)  D3GOg22norFORE@forecast$sigma
D3GOg12norFORE<-ugarchforecast(D3GOg12norFIT,n.ahead=181)  D3GOg12norFORE@forecast$sigma
D3GOg21norFORE<-ugarchforecast(D3GOg21norFIT,n.ahead=181)  D3GOg21norFORE@forecast$sigma
D3GOi11norFORE<-ugarchforecast(D3GOi11norFIT,n.ahead=181)  D3GOi11norFORE@forecast$sigma
D3GOi22norFORE<-ugarchforecast(D3GOi22norFIT,n.ahead=181)  D3GOi22norFORE@forecast$sigma
D3GOi12norFORE<-ugarchforecast(D3GOi12norFIT,n.ahead=181)  D3GOi12norFORE@forecast$sigma
D3GOi21norFORE<-ugarchforecast(D3GOi21norFIT,n.ahead=181)  D3GOi21norFORE@forecast$sigma
D3GOc11norFORE<-ugarchforecast(D3GOc11norFIT,n.ahead=181)  D3GOc11norFORE@forecast$sigma
D3GOc22norFORE<-ugarchforecast(D3GOc22norFIT,n.ahead=181)  D3GOc22norFORE@forecast$sigma
D3GOc12norFORE<-ugarchforecast(D3GOc12norFIT,n.ahead=181)  D3GOc12norFORE@forecast$sigma
D3GOc21norFORE<-ugarchforecast(D3GOc21norFIT,n.ahead=181)  D3GOc21norFORE@forecast$sigma

##Nickel Forecast                                          ##Nickel Forecast
DJNIs11gedFORE<-ugarchforecast(DJNIs11gedFIT,n.ahead=181)  DJNIs11gedFORE@forecast$sigma
DJNIs22gedFORE<-ugarchforecast(DJNIs22gedFIT,n.ahead=181)  DJNIs22gedFORE@forecast$sigma
DJNIs12gedFORE<-ugarchforecast(DJNIs12gedFIT,n.ahead=181)  DJNIs12gedFORE@forecast$sigma
DJNIs21gedFORE<-ugarchforecast(DJNIs21gedFIT,n.ahead=181)  DJNIs21gedFORE@forecast$sigma
DJNIe11gedFORE<-ugarchforecast(DJNIe11gedFIT,n.ahead=181)  DJNIe11gedFORE@forecast$sigma
DJNIe22gedFORE<-ugarchforecast(DJNIe22gedFIT,n.ahead=181)  DJNIe22gedFORE@forecast$sigma
DJNIe12gedFORE<-ugarchforecast(DJNIe12gedFIT,n.ahead=181)  DJNIe12gedFORE@forecast$sigma
DJNIe21gedFORE<-ugarchforecast(DJNIe21gedFIT,n.ahead=181)  DJNIe21gedFORE@forecast$sigma
DJNIg11gedFORE<-ugarchforecast(DJNIg11gedFIT,n.ahead=181)  DJNIg11gedFORE@forecast$sigma
DJNIg22gedFORE<-ugarchforecast(DJNIg22gedFIT,n.ahead=181)  DJNIg22gedFORE@forecast$sigma
DJNIg12gedFORE<-ugarchforecast(DJNIg12gedFIT,n.ahead=181)  DJNIg12gedFORE@forecast$sigma
DJNIg21gedFORE<-ugarchforecast(DJNIg21gedFIT,n.ahead=181)  DJNIg21gedFORE@forecast$sigma
DJNIi11gedFORE<-ugarchforecast(DJNIi11gedFIT,n.ahead=181)  DJNIi11gedFORE@forecast$sigma
DJNIi22gedFORE<-ugarchforecast(DJNIi22gedFIT,n.ahead=181)  DJNIi22gedFORE@forecast$sigma
DJNIi12gedFORE<-ugarchforecast(DJNIi12gedFIT,n.ahead=181)  DJNIi12gedFORE@forecast$sigma
DJNIi21gedFORE<-ugarchforecast(DJNIi21gedFIT,n.ahead=181)  DJNIi21gedFORE@forecast$sigma
DJNIc11gedFORE<-ugarchforecast(DJNIc11gedFIT,n.ahead=181)  DJNIc11gedFORE@forecast$sigma
DJNIc22gedFORE<-ugarchforecast(DJNIc22gedFIT,n.ahead=181)  DJNIc22gedFORE@forecast$sigma
DJNIc12gedFORE<-ugarchforecast(DJNIc12gedFIT,n.ahead=181)  DJNIc12gedFORE@forecast$sigma
DJNIc21gedFORE<-ugarchforecast(DJNIc21gedFIT,n.ahead=181)  DJNIc21gedFORE@forecast$sigma

DJNIs11stdFORE<-ugarchforecast(DJNIs11stdFIT,n.ahead=181)  DJNIs11stdFORE@forecast$sigma
DJNIs22stdFORE<-ugarchforecast(DJNIs22stdFIT,n.ahead=181)  DJNIs22stdFORE@forecast$sigma
DJNIs12stdFORE<-ugarchforecast(DJNIs12stdFIT,n.ahead=181)  DJNIs12stdFORE@forecast$sigma
DJNIs21stdFORE<-ugarchforecast(DJNIs21stdFIT,n.ahead=181)  DJNIs21stdFORE@forecast$sigma
DJNIe11stdFORE<-ugarchforecast(DJNIe11stdFIT,n.ahead=181)  DJNIe11stdFORE@forecast$sigma
DJNIe22stdFORE<-ugarchforecast(DJNIe22stdFIT,n.ahead=181)  DJNIe22stdFORE@forecast$sigma
DJNIe12stdFORE<-ugarchforecast(DJNIe12stdFIT,n.ahead=181)  DJNIe12stdFORE@forecast$sigma
DJNIe21stdFORE<-ugarchforecast(DJNIe21stdFIT,n.ahead=181)  DJNIe21stdFORE@forecast$sigma
DJNIg11stdFORE<-ugarchforecast(DJNIg11stdFIT,n.ahead=181)  DJNIg11stdFORE@forecast$sigma
DJNIg22stdFORE<-ugarchforecast(DJNIg22stdFIT,n.ahead=181)  DJNIg22stdFORE@forecast$sigma
DJNIg12stdFORE<-ugarchforecast(DJNIg12stdFIT,n.ahead=181)  DJNIg12stdFORE@forecast$sigma
DJNIg21stdFORE<-ugarchforecast(DJNIg21stdFIT,n.ahead=181)  DJNIg21stdFORE@forecast$sigma
DJNIi11stdFORE<-ugarchforecast(DJNIi11stdFIT,n.ahead=181)  DJNIi11stdFORE@forecast$sigma
DJNIi22stdFORE<-ugarchforecast(DJNIi22stdFIT,n.ahead=181)  DJNIi22stdFORE@forecast$sigma
DJNIi12stdFORE<-ugarchforecast(DJNIi12stdFIT,n.ahead=181)  DJNIi12stdFORE@forecast$sigma
DJNIi21stdFORE<-ugarchforecast(DJNIi21stdFIT,n.ahead=181)  DJNIi21stdFORE@forecast$sigma
DJNIc11stdFORE<-ugarchforecast(DJNIc11stdFIT,n.ahead=181)  DJNIc11stdFORE@forecast$sigma
DJNIc22stdFORE<-ugarchforecast(DJNIc22stdFIT,n.ahead=181)  DJNIc22stdFORE@forecast$sigma
DJNIc12stdFORE<-ugarchforecast(DJNIc12stdFIT,n.ahead=181)  DJNIc12stdFORE@forecast$sigma
DJNIc21stdFORE<-ugarchforecast(DJNIc21stdFIT,n.ahead=181)  DJNIc21stdFORE@forecast$sigma

DJNIs11norFORE<-ugarchforecast(DJNIs11norFIT,n.ahead=181)  DJNIs11norFORE@forecast$sigma
DJNIs22norFORE<-ugarchforecast(DJNIs22norFIT,n.ahead=181)  DJNIs22norFORE@forecast$sigma
DJNIs12norFORE<-ugarchforecast(DJNIs12norFIT,n.ahead=181)  DJNIs12norFORE@forecast$sigma
DJNIs21norFORE<-ugarchforecast(DJNIs21norFIT,n.ahead=181)  DJNIs21norFORE@forecast$sigma
DJNIe11norFORE<-ugarchforecast(DJNIe11norFIT,n.ahead=181)  DJNIe11norFORE@forecast$sigma
DJNIe22norFORE<-ugarchforecast(DJNIe22norFIT,n.ahead=181)  DJNIe22norFORE@forecast$sigma
DJNIe12norFORE<-ugarchforecast(DJNIe12norFIT,n.ahead=181)  DJNIe12norFORE@forecast$sigma
DJNIe21norFORE<-ugarchforecast(DJNIe21norFIT,n.ahead=181)  DJNIe21norFORE@forecast$sigma
DJNIg11norFORE<-ugarchforecast(DJNIg11norFIT,n.ahead=181)  DJNIg11norFORE@forecast$sigma
DJNIg22norFORE<-ugarchforecast(DJNIg22norFIT,n.ahead=181)  DJNIg22norFORE@forecast$sigma
DJNIg12norFORE<-ugarchforecast(DJNIg12norFIT,n.ahead=181)  DJNIg12norFORE@forecast$sigma
DJNIg21norFORE<-ugarchforecast(DJNIg21norFIT,n.ahead=181)  DJNIg21norFORE@forecast$sigma
DJNIi11norFORE<-ugarchforecast(DJNIi11norFIT,n.ahead=181)  DJNIi11norFORE@forecast$sigma
DJNIi22norFORE<-ugarchforecast(DJNIi22norFIT,n.ahead=181)  DJNIi22norFORE@forecast$sigma
DJNIi12norFORE<-ugarchforecast(DJNIi12norFIT,n.ahead=181)  DJNIi12norFORE@forecast$sigma
DJNIi21norFORE<-ugarchforecast(DJNIi21norFIT,n.ahead=181)  DJNIi21norFORE@forecast$sigma
DJNIc11norFORE<-ugarchforecast(DJNIc11norFIT,n.ahead=181)  DJNIc11norFORE@forecast$sigma
DJNIc22norFORE<-ugarchforecast(DJNIc22norFIT,n.ahead=181)  DJNIc22norFORE@forecast$sigma
DJNIc12norFORE<-ugarchforecast(DJNIc12norFIT,n.ahead=181)  DJNIc12norFORE@forecast$sigma
DJNIc21norFORE<-ugarchforecast(DJNIc21norFIT,n.ahead=181)  DJNIc21norFORE@forecast$sigma

##Silver Forecast                                          ##Silver Forecast
DJSIs11gedFORE<-ugarchforecast(DJSIs11gedFIT,n.ahead=181)  DJSIs11gedFORE@forecast$sigma
DJSIs22gedFORE<-ugarchforecast(DJSIs22gedFIT,n.ahead=181)  DJSIs22gedFORE@forecast$sigma
DJSIs12gedFORE<-ugarchforecast(DJSIs12gedFIT,n.ahead=181)  DJSIs12gedFORE@forecast$sigma
DJSIs21gedFORE<-ugarchforecast(DJSIs21gedFIT,n.ahead=181)  DJSIs21gedFORE@forecast$sigma
DJSIe11gedFORE<-ugarchforecast(DJSIe11gedFIT,n.ahead=181)  DJSIe11gedFORE@forecast$sigma
DJSIe22gedFORE<-ugarchforecast(DJSIe22gedFIT,n.ahead=181)  DJSIe22gedFORE@forecast$sigma
```

```
DJSIe12gedFORE<-ugarchforecast(DJSIe12gedFIT,n.ahead=181)  DJSIe12gedFORE@forecast$sigma
DJSIe21gedFORE<-ugarchforecast(DJSIe21gedFIT,n.ahead=181)  DJSIe21gedFORE@forecast$sigma
DJSIg11gedFORE<-ugarchforecast(DJSIg11gedFIT,n.ahead=181)  DJSIg11gedFORE@forecast$sigma
DJSIg22gedFORE<-ugarchforecast(DJSIg22gedFIT,n.ahead=181)  DJSIg22gedFORE@forecast$sigma
DJSIg12gedFORE<-ugarchforecast(DJSIg12gedFIT,n.ahead=181)  DJSIg12gedFORE@forecast$sigma
DJSIg21gedFORE<-ugarchforecast(DJSIg21gedFIT,n.ahead=181)  DJSIg21gedFORE@forecast$sigma
DJSIi11gedFORE<-ugarchforecast(DJSIi11gedFIT,n.ahead=181)  DJSIi11gedFORE@forecast$sigma
DJSIi22gedFORE<-ugarchforecast(DJSIi22gedFIT,n.ahead=181)  DJSIi22gedFORE@forecast$sigma
DJSIi12gedFORE<-ugarchforecast(DJSIi12gedFIT,n.ahead=181)  DJSIi12gedFORE@forecast$sigma
DJSIi21gedFORE<-ugarchforecast(DJSIi21gedFIT,n.ahead=181)  DJSIi21gedFORE@forecast$sigma
DJSIc11gedFORE<-ugarchforecast(DJSIc11gedFIT,n.ahead=181)  DJSIc11gedFORE@forecast$sigma
DJSIc22gedFORE<-ugarchforecast(DJSIc22gedFIT,n.ahead=181)  DJSIc22gedFORE@forecast$sigma
DJSIc12gedFORE<-ugarchforecast(DJSIc12gedFIT,n.ahead=181)  DJSIc12gedFORE@forecast$sigma
DJSIc21gedFORE<-ugarchforecast(DJSIc21gedFIT,n.ahead=181)  DJSIc21gedFORE@forecast$sigma

DJSIs11stdFORE<-ugarchforecast(DJSIs11stdFIT,n.ahead=181)  DJSIs11stdFORE@forecast$sigma
DJSIs22stdFORE<-ugarchforecast(DJSIs22stdFIT,n.ahead=181)  DJSIs22stdFORE@forecast$sigma
DJSIs12stdFORE<-ugarchforecast(DJSIs12stdFIT,n.ahead=181)  DJSIs12stdFORE@forecast$sigma
DJSIs21stdFORE<-ugarchforecast(DJSIs21stdFIT,n.ahead=181)  DJSIs21stdFORE@forecast$sigma
DJSIe11stdFORE<-ugarchforecast(DJSIe11stdFIT,n.ahead=181)  DJSIe11stdFORE@forecast$sigma
DJSIe22stdFORE<-ugarchforecast(DJSIe22stdFIT,n.ahead=181)  DJSIe22stdFORE@forecast$sigma
DJSIe12stdFORE<-ugarchforecast(DJSIe12stdFIT,n.ahead=181)  DJSIe12stdFORE@forecast$sigma
DJSIe21stdFORE<-ugarchforecast(DJSIe21stdFIT,n.ahead=181)  DJSIe21stdFORE@forecast$sigma
DJSIg11stdFORE<-ugarchforecast(DJSIg11stdFIT,n.ahead=181)  DJSIg11stdFORE@forecast$sigma
DJSIg22stdFORE<-ugarchforecast(DJSIg22stdFIT,n.ahead=181)  DJSIg22stdFORE@forecast$sigma
DJSIg12stdFORE<-ugarchforecast(DJSIg12stdFIT,n.ahead=181)  DJSIg12stdFORE@forecast$sigma
DJSIg21stdFORE<-ugarchforecast(DJSIg21stdFIT,n.ahead=181)  DJSIg21stdFORE@forecast$sigma
DJSIi11stdFORE<-ugarchforecast(DJSIi11stdFIT,n.ahead=181)  DJSIi11stdFORE@forecast$sigma
DJSIi22stdFORE<-ugarchforecast(DJSIi22stdFIT,n.ahead=181)  DJSIi22stdFORE@forecast$sigma
DJSIi12stdFORE<-ugarchforecast(DJSIi12stdFIT,n.ahead=181)  DJSIi12stdFORE@forecast$sigma
DJSIi21stdFORE<-ugarchforecast(DJSIi21stdFIT,n.ahead=181)  DJSIi21stdFORE@forecast$sigma
DJSIc11stdFORE<-ugarchforecast(DJSIc11stdFIT,n.ahead=181)  DJSIc11stdFORE@forecast$sigma
DJSIc22stdFORE<-ugarchforecast(DJSIc22stdFIT,n.ahead=181)  DJSIc22stdFORE@forecast$sigma
DJSIc12stdFORE<-ugarchforecast(DJSIc12stdFIT,n.ahead=181)  DJSIc12stdFORE@forecast$sigma
DJSIc21stdFORE<-ugarchforecast(DJSIc21stdFIT,n.ahead=181)  DJSIc21stdFORE@forecast$sigma

DJSIs11norFORE<-ugarchforecast(DJSIs11norFIT,n.ahead=181)  DJSIs11norFORE@forecast$sigma
DJSIs22norFORE<-ugarchforecast(DJSIs22norFIT,n.ahead=181)  DJSIs22norFORE@forecast$sigma
DJSIs12norFORE<-ugarchforecast(DJSIs12norFIT,n.ahead=181)  DJSIs12norFORE@forecast$sigma
DJSIs21norFORE<-ugarchforecast(DJSIs21norFIT,n.ahead=181)  DJSIs21norFORE@forecast$sigma
DJSIe11norFORE<-ugarchforecast(DJSIe11norFIT,n.ahead=181)  DJSIe11norFORE@forecast$sigma
DJSIe22norFORE<-ugarchforecast(DJSIe22norFIT,n.ahead=181)  DJSIe22norFORE@forecast$sigma
DJSIe12norFORE<-ugarchforecast(DJSIe12norFIT,n.ahead=181)  DJSIe12norFORE@forecast$sigma
DJSIe21norFORE<-ugarchforecast(DJSIe21norFIT,n.ahead=181)  DJSIe21norFORE@forecast$sigma
DJSIg11norFORE<-ugarchforecast(DJSIg11norFIT,n.ahead=181)  DJSIg11norFORE@forecast$sigma
DJSIg22norFORE<-ugarchforecast(DJSIg22norFIT,n.ahead=181)  DJSIg22norFORE@forecast$sigma
DJSIg12norFORE<-ugarchforecast(DJSIg12norFIT,n.ahead=181)  DJSIg12norFORE@forecast$sigma
DJSIg21norFORE<-ugarchforecast(DJSIg21norFIT,n.ahead=181)  DJSIg21norFORE@forecast$sigma
DJSIi11norFORE<-ugarchforecast(DJSIi11norFIT,n.ahead=181)  DJSIi11norFORE@forecast$sigma
DJSIi22norFORE<-ugarchforecast(DJSIi22norFIT,n.ahead=181)  DJSIi22norFORE@forecast$sigma
DJSIi12norFORE<-ugarchforecast(DJSIi12norFIT,n.ahead=181)  DJSIi12norFORE@forecast$sigma
DJSIi21norFORE<-ugarchforecast(DJSIi21norFIT,n.ahead=181)  DJSIi21norFORE@forecast$sigma
DJSIc11norFORE<-ugarchforecast(DJSIc11norFIT,n.ahead=181)  DJSIc11norFORE@forecast$sigma
DJSIc22norFORE<-ugarchforecast(DJSIc22norFIT,n.ahead=181)  DJSIc22norFORE@forecast$sigma
DJSIc12norFORE<-ugarchforecast(DJSIc12norFIT,n.ahead=181)  DJSIc12norFORE@forecast$sigma
DJSIc21norFORE<-ugarchforecast(DJSIc21norFIT,n.ahead=181)  DJSIc21norFORE@forecast$sigma

##Sugar Forecast                                           ##Sugar Forecast
DJSUs11gedFORE<-ugarchforecast(DJSUs11gedFIT,n.ahead=181)  DJSUs11gedFORE@forecast$sigma
DJSUs22gedFORE<-ugarchforecast(DJSUs22gedFIT,n.ahead=181)  DJSUs22gedFORE@forecast$sigma
DJSUs12gedFORE<-ugarchforecast(DJSUs12gedFIT,n.ahead=181)  DJSUs12gedFORE@forecast$sigma
DJSUs21gedFORE<-ugarchforecast(DJSUs21gedFIT,n.ahead=181)  DJSUs21gedFORE@forecast$sigma
DJSUe11gedFORE<-ugarchforecast(DJSUe11gedFIT,n.ahead=181)  DJSUe11gedFORE@forecast$sigma
DJSUe22gedFORE<-ugarchforecast(DJSUe22gedFIT,n.ahead=181)  DJSUe22gedFORE@forecast$sigma
DJSUe12gedFORE<-ugarchforecast(DJSUe12gedFIT,n.ahead=181)  DJSUe12gedFORE@forecast$sigma
DJSUe21gedFORE<-ugarchforecast(DJSUe21gedFIT,n.ahead=181)  DJSUe21gedFORE@forecast$sigma
DJSUg11gedFORE<-ugarchforecast(DJSUg11gedFIT,n.ahead=181)  DJSUg11gedFORE@forecast$sigma
DJSUg22gedFORE<-ugarchforecast(DJSUg22gedFIT,n.ahead=181)  DJSUg22gedFORE@forecast$sigma
DJSUg12gedFORE<-ugarchforecast(DJSUg12gedFIT,n.ahead=181)  DJSUg12gedFORE@forecast$sigma
DJSUg21gedFORE<-ugarchforecast(DJSUg21gedFIT,n.ahead=181)  DJSUg21gedFORE@forecast$sigma
DJSUi11gedFORE<-ugarchforecast(DJSUi11gedFIT,n.ahead=181)  DJSUi11gedFORE@forecast$sigma
DJSUi22gedFORE<-ugarchforecast(DJSUi22gedFIT,n.ahead=181)  DJSUi22gedFORE@forecast$sigma
DJSUi12gedFORE<-ugarchforecast(DJSUi12gedFIT,n.ahead=181)  DJSUi12gedFORE@forecast$sigma
DJSUi21gedFORE<-ugarchforecast(DJSUi21gedFIT,n.ahead=181)  DJSUi21gedFORE@forecast$sigma
DJSUc11gedFORE<-ugarchforecast(DJSUc11gedFIT,n.ahead=181)  DJSUc11gedFORE@forecast$sigma
DJSUc22gedFORE<-ugarchforecast(DJSUc22gedFIT,n.ahead=181)  DJSUc22gedFORE@forecast$sigma
DJSUc12gedFORE<-ugarchforecast(DJSUc12gedFIT,n.ahead=181)  DJSUc12gedFORE@forecast$sigma
DJSUc21gedFORE<-ugarchforecast(DJSUc21gedFIT,n.ahead=181)  DJSUc21gedFORE@forecast$sigma

DJSUs11stdFORE<-ugarchforecast(DJSUs11stdFIT,n.ahead=181)  DJSUs11stdFORE@forecast$sigma
DJSUs22stdFORE<-ugarchforecast(DJSUs22stdFIT,n.ahead=181)  DJSUs22stdFORE@forecast$sigma
DJSUs12stdFORE<-ugarchforecast(DJSUs12stdFIT,n.ahead=181)  DJSUs12stdFORE@forecast$sigma
DJSUs21stdFORE<-ugarchforecast(DJSUs21stdFIT,n.ahead=181)  DJSUs21stdFORE@forecast$sigma
DJSUe11stdFORE<-ugarchforecast(DJSUe11stdFIT,n.ahead=181)  DJSUe11stdFORE@forecast$sigma
DJSUe22stdFORE<-ugarchforecast(DJSUe22stdFIT,n.ahead=181)  DJSUe22stdFORE@forecast$sigma
DJSUe12stdFORE<-ugarchforecast(DJSUe12stdFIT,n.ahead=181)  DJSUe12stdFORE@forecast$sigma
DJSUe21stdFORE<-ugarchforecast(DJSUe21stdFIT,n.ahead=181)  DJSUe21stdFORE@forecast$sigma
DJSUg11stdFORE<-ugarchforecast(DJSUg11stdFIT,n.ahead=181)  DJSUg11stdFORE@forecast$sigma
DJSUg22stdFORE<-ugarchforecast(DJSUg22stdFIT,n.ahead=181)  DJSUg22stdFORE@forecast$sigma
DJSUg12stdFORE<-ugarchforecast(DJSUg12stdFIT,n.ahead=181)  DJSUg12stdFORE@forecast$sigma
DJSUg21stdFORE<-ugarchforecast(DJSUg21stdFIT,n.ahead=181)  DJSUg21stdFORE@forecast$sigma
DJSUi11stdFORE<-ugarchforecast(DJSUi11stdFIT,n.ahead=181)  DJSUi11stdFORE@forecast$sigma
DJSUi22stdFORE<-ugarchforecast(DJSUi22stdFIT,n.ahead=181)  DJSUi22stdFORE@forecast$sigma
DJSUi12stdFORE<-ugarchforecast(DJSUi12stdFIT,n.ahead=181)  DJSUi12stdFORE@forecast$sigma
DJSUi21stdFORE<-ugarchforecast(DJSUi21stdFIT,n.ahead=181)  DJSUi21stdFORE@forecast$sigma
DJSUc11stdFORE<-ugarchforecast(DJSUc11stdFIT,n.ahead=181)  DJSUc11stdFORE@forecast$sigma
DJSUc22stdFORE<-ugarchforecast(DJSUc22stdFIT,n.ahead=181)  DJSUc22stdFORE@forecast$sigma
DJSUc12stdFORE<-ugarchforecast(DJSUc12stdFIT,n.ahead=181)  DJSUc12stdFORE@forecast$sigma
DJSUc21stdFORE<-ugarchforecast(DJSUc21stdFIT,n.ahead=181)  DJSUc21stdFORE@forecast$sigma

DJSUs11norFORE<-ugarchforecast(DJSUs11norFIT,n.ahead=181)  DJSUs11norFORE@forecast$sigma
DJSUs22norFORE<-ugarchforecast(DJSUs22norFIT,n.ahead=181)  DJSUs22norFORE@forecast$sigma
DJSUs12norFORE<-ugarchforecast(DJSUs12norFIT,n.ahead=181)  DJSUs12norFORE@forecast$sigma
DJSUs21norFORE<-ugarchforecast(DJSUs21norFIT,n.ahead=181)  DJSUs21norFORE@forecast$sigma
DJSUe11norFORE<-ugarchforecast(DJSUe11norFIT,n.ahead=181)  DJSUe11norFORE@forecast$sigma
DJSUe22norFORE<-ugarchforecast(DJSUe22norFIT,n.ahead=181)  DJSUe22norFORE@forecast$sigma
DJSUe12norFORE<-ugarchforecast(DJSUe12norFIT,n.ahead=181)  DJSUe12norFORE@forecast$sigma
DJSUe21norFORE<-ugarchforecast(DJSUe21norFIT,n.ahead=181)  DJSUe21norFORE@forecast$sigma
DJSUg11norFORE<-ugarchforecast(DJSUg11norFIT,n.ahead=181)  DJSUg11norFORE@forecast$sigma
DJSUg22norFORE<-ugarchforecast(DJSUg22norFIT,n.ahead=181)  DJSUg22norFORE@forecast$sigma
DJSUg12norFORE<-ugarchforecast(DJSUg12norFIT,n.ahead=181)  DJSUg12norFORE@forecast$sigma
DJSUg21norFORE<-ugarchforecast(DJSUg21norFIT,n.ahead=181)  DJSUg21norFORE@forecast$sigma
DJSUi11norFORE<-ugarchforecast(DJSUi11norFIT,n.ahead=181)  DJSUi11norFORE@forecast$sigma
DJSUi22norFORE<-ugarchforecast(DJSUi22norFIT,n.ahead=181)  DJSUi22norFORE@forecast$sigma
DJSUi12norFORE<-ugarchforecast(DJSUi12norFIT,n.ahead=181)  DJSUi12norFORE@forecast$sigma
DJSUi21norFORE<-ugarchforecast(DJSUi21norFIT,n.ahead=181)  DJSUi21norFORE@forecast$sigma
DJSUc11norFORE<-ugarchforecast(DJSUc11norFIT,n.ahead=181)  DJSUc11norFORE@forecast$sigma
DJSUc22norFORE<-ugarchforecast(DJSUc22norFIT,n.ahead=181)  DJSUc22norFORE@forecast$sigma
DJSUc12norFORE<-ugarchforecast(DJSUc12norFIT,n.ahead=181)  DJSUc12norFORE@forecast$sigma
DJSUc21norFORE<-ugarchforecast(DJSUc21norFIT,n.ahead=181)  DJSUc21norFORE@forecast$sigma

##Wheat Forecast                                           ##Wheat Forecast
DJWEs11gedFORE<-ugarchforecast(DJWEs11gedFIT,n.ahead=181)  DJWEs11gedFORE@forecast$sigma
DJWEs22gedFORE<-ugarchforecast(DJWEs22gedFIT,n.ahead=181)  DJWEs22gedFORE@forecast$sigma
DJWEs12gedFORE<-ugarchforecast(DJWEs12gedFIT,n.ahead=181)  DJWEs12gedFORE@forecast$sigma
DJWEs21gedFORE<-ugarchforecast(DJWEs21gedFIT,n.ahead=181)  DJWEs21gedFORE@forecast$sigma
DJWEe11gedFORE<-ugarchforecast(DJWEe11gedFIT,n.ahead=181)  DJWEe11gedFORE@forecast$sigma
DJWEe22gedFORE<-ugarchforecast(DJWEe22gedFIT,n.ahead=181)  DJWEe22gedFORE@forecast$sigma
DJWEe12gedFORE<-ugarchforecast(DJWEe12gedFIT,n.ahead=181)  DJWEe12gedFORE@forecast$sigma
DJWEe21gedFORE<-ugarchforecast(DJWEe21gedFIT,n.ahead=181)  DJWEe21gedFORE@forecast$sigma
DJWEg11gedFORE<-ugarchforecast(DJWEg11gedFIT,n.ahead=181)  DJWEg11gedFORE@forecast$sigma
DJWEg22gedFORE<-ugarchforecast(DJWEg22gedFIT,n.ahead=181)  DJWEg22gedFORE@forecast$sigma
DJWEg12gedFORE<-ugarchforecast(DJWEg12gedFIT,n.ahead=181)  DJWEg12gedFORE@forecast$sigma
DJWEg21gedFORE<-ugarchforecast(DJWEg21gedFIT,n.ahead=181)  DJWEg21gedFORE@forecast$sigma
DJWEi11gedFORE<-ugarchforecast(DJWEi11gedFIT,n.ahead=181)  DJWEi11gedFORE@forecast$sigma
DJWEi22gedFORE<-ugarchforecast(DJWEi22gedFIT,n.ahead=181)  DJWEi22gedFORE@forecast$sigma
DJWEi12gedFORE<-ugarchforecast(DJWEi12gedFIT,n.ahead=181)  DJWEi12gedFORE@forecast$sigma
DJWEi21gedFORE<-ugarchforecast(DJWEi21gedFIT,n.ahead=181)  DJWEi21gedFORE@forecast$sigma
DJWEc11gedFORE<-ugarchforecast(DJWEc11gedFIT,n.ahead=181)  DJWEc11gedFORE@forecast$sigma
DJWEc22gedFORE<-ugarchforecast(DJWEc22gedFIT,n.ahead=181)  DJWEc22gedFORE@forecast$sigma
DJWEc12gedFORE<-ugarchforecast(DJWEc12gedFIT,n.ahead=181)  DJWEc12gedFORE@forecast$sigma
DJWEc21gedFORE<-ugarchforecast(DJWEc21gedFIT,n.ahead=181)  DJWEc21gedFORE@forecast$sigma

DJWEs11stdFORE<-ugarchforecast(DJWEs11stdFIT,n.ahead=181)  DJWEs11stdFORE@forecast$sigma
DJWEs22stdFORE<-ugarchforecast(DJWEs22stdFIT,n.ahead=181)  DJWEs22stdFORE@forecast$sigma
DJWEs12stdFORE<-ugarchforecast(DJWEs12stdFIT,n.ahead=181)  DJWEs12stdFORE@forecast$sigma
DJWEs21stdFORE<-ugarchforecast(DJWEs21stdFIT,n.ahead=181)  DJWEs21stdFORE@forecast$sigma
DJWEe11stdFORE<-ugarchforecast(DJWEe11stdFIT,n.ahead=181)  DJWEe11stdFORE@forecast$sigma
DJWEe22stdFORE<-ugarchforecast(DJWEe22stdFIT,n.ahead=181)  DJWEe22stdFORE@forecast$sigma
DJWEe12stdFORE<-ugarchforecast(DJWEe12stdFIT,n.ahead=181)  DJWEe12stdFORE@forecast$sigma
DJWEe21stdFORE<-ugarchforecast(DJWEe21stdFIT,n.ahead=181)  DJWEe21stdFORE@forecast$sigma
DJWEg11stdFORE<-ugarchforecast(DJWEg11stdFIT,n.ahead=181)  DJWEg11stdFORE@forecast$sigma
DJWEg22stdFORE<-ugarchforecast(DJWEg22stdFIT,n.ahead=181)  DJWEg22stdFORE@forecast$sigma
DJWEg12stdFORE<-ugarchforecast(DJWEg12stdFIT,n.ahead=181)  DJWEg12stdFORE@forecast$sigma
DJWEg21stdFORE<-ugarchforecast(DJWEg21stdFIT,n.ahead=181)  DJWEg21stdFORE@forecast$sigma
DJWEi11stdFORE<-ugarchforecast(DJWEi11stdFIT,n.ahead=181)  DJWEi11stdFORE@forecast$sigma
DJWEi22stdFORE<-ugarchforecast(DJWEi22stdFIT,n.ahead=181)  DJWEi22stdFORE@forecast$sigma
DJWEi12stdFORE<-ugarchforecast(DJWEi12stdFIT,n.ahead=181)  DJWEi12stdFORE@forecast$sigma
DJWEi21stdFORE<-ugarchforecast(DJWEi21stdFIT,n.ahead=181)  DJWEi21stdFORE@forecast$sigma
DJWEc11stdFORE<-ugarchforecast(DJWEc11stdFIT,n.ahead=181)  DJWEc11stdFORE@forecast$sigma
DJWEc22stdFORE<-ugarchforecast(DJWEc22stdFIT,n.ahead=181)  DJWEc22stdFORE@forecast$sigma
DJWEc12stdFORE<-ugarchforecast(DJWEc12stdFIT,n.ahead=181)  DJWEc12stdFORE@forecast$sigma
DJWEc21stdFORE<-ugarchforecast(DJWEc21stdFIT,n.ahead=181)  DJWEc21stdFORE@forecast$sigma

DJWEs11norFORE<-ugarchforecast(DJWEs11norFIT,n.ahead=181)  DJWEs11norFORE@forecast$sigma
DJWEs22norFORE<-ugarchforecast(DJWEs22norFIT,n.ahead=181)  DJWEs22norFORE@forecast$sigma
DJWEs12norFORE<-ugarchforecast(DJWEs12norFIT,n.ahead=181)  DJWEs12norFORE@forecast$sigma
DJWEs21norFORE<-ugarchforecast(DJWEs21norFIT,n.ahead=181)  DJWEs21norFORE@forecast$sigma
DJWEe11norFORE<-ugarchforecast(DJWEe11norFIT,n.ahead=181)  DJWEe11norFORE@forecast$sigma
DJWEe22norFORE<-ugarchforecast(DJWEe22norFIT,n.ahead=181)  DJWEe22norFORE@forecast$sigma
DJWEe12norFORE<-ugarchforecast(DJWEe12norFIT,n.ahead=181)  DJWEe12norFORE@forecast$sigma
DJWEe21norFORE<-ugarchforecast(DJWEe21norFIT,n.ahead=181)  DJWEe21norFORE@forecast$sigma
DJWEg11norFORE<-ugarchforecast(DJWEg11norFIT,n.ahead=181)  DJWEg11norFORE@forecast$sigma
DJWEg22norFORE<-ugarchforecast(DJWEg22norFIT,n.ahead=181)  DJWEg22norFORE@forecast$sigma
DJWEg12norFORE<-ugarchforecast(DJWEg12norFIT,n.ahead=181)  DJWEg12norFORE@forecast$sigma
DJWEg21norFORE<-ugarchforecast(DJWEg21norFIT,n.ahead=181)  DJWEg21norFORE@forecast$sigma
DJWEi11norFORE<-ugarchforecast(DJWEi11norFIT,n.ahead=181)  DJWEi11norFORE@forecast$sigma
DJWEi22norFORE<-ugarchforecast(DJWEi22norFIT,n.ahead=181)  DJWEi22norFORE@forecast$sigma
DJWEi12norFORE<-ugarchforecast(DJWEi12norFIT,n.ahead=181)  DJWEi12norFORE@forecast$sigma
DJWEi21norFORE<-ugarchforecast(DJWEi21norFIT,n.ahead=181)  DJWEi21norFORE@forecast$sigma
DJWEc11norFORE<-ugarchforecast(DJWEc11norFIT,n.ahead=181)  DJWEc11norFORE@forecast$sigma
DJWEc22norFORE<-ugarchforecast(DJWEc22norFIT,n.ahead=181)  DJWEc22norFORE@forecast$sigma
DJWEc12norFORE<-ugarchforecast(DJWEc12norFIT,n.ahead=181)  DJWEc12norFORE@forecast$sigma
DJWEc21norFORE<-ugarchforecast(DJWEc21norFIT,n.ahead=181)  DJWEc21norFORE@forecast$sigma

##Zinc Forecast                                            ##Zinc Forecast
DJZIs11gedFORE<-ugarchforecast(DJZIs11gedFIT,n.ahead=181)  DJZIs11gedFORE@forecast$sigma
DJZIs22gedFORE<-ugarchforecast(DJZIs22gedFIT,n.ahead=181)  DJZIs22gedFORE@forecast$sigma
DJZIs12gedFORE<-ugarchforecast(DJZIs12gedFIT,n.ahead=181)  DJZIs12gedFORE@forecast$sigma
DJZIs21gedFORE<-ugarchforecast(DJZIs21gedFIT,n.ahead=181)  DJZIs21gedFORE@forecast$sigma
DJZIe11gedFORE<-ugarchforecast(DJZIe11gedFIT,n.ahead=181)  DJZIe11gedFORE@forecast$sigma
DJZIe22gedFORE<-ugarchforecast(DJZIe22gedFIT,n.ahead=181)  DJZIe22gedFORE@forecast$sigma
DJZIe12gedFORE<-ugarchforecast(DJZIe12gedFIT,n.ahead=181)  DJZIe12gedFORE@forecast$sigma
DJZIe21gedFORE<-ugarchforecast(DJZIe21gedFIT,n.ahead=181)  DJZIe21gedFORE@forecast$sigma
DJZIg11gedFORE<-ugarchforecast(DJZIg11gedFIT,n.ahead=181)  DJZIg11gedFORE@forecast$sigma
```

```
D2ZIg22gedFORE<-ugarchforecast(D2ZIg22gedFIT,n.ahead=181)  D2ZIg22gedFORE@forecast$sigma
D2ZIg12gedFORE<-ugarchforecast(D2ZIg12gedFIT,n.ahead=181)  D2ZIg12gedFORE@forecast$sigma
D2ZIg21gedFORE<-ugarchforecast(D2ZIg21gedFIT,n.ahead=181)  D2ZIg21gedFORE@forecast$sigma
D2ZIi11gedFORE<-ugarchforecast(D2ZIi11gedFIT,n.ahead=181)  D2ZIi11gedFORE@forecast$sigma
D2ZIi22gedFORE<-ugarchforecast(D2ZIi22gedFIT,n.ahead=181)  D2ZIi22gedFORE@forecast$sigma
D2ZIi12gedFORE<-ugarchforecast(D2ZIi12gedFIT,n.ahead=181)  D2ZIi12gedFORE@forecast$sigma
D2ZIi21gedFORE<-ugarchforecast(D2ZIi21gedFIT,n.ahead=181)  D2ZIi21gedFORE@forecast$sigma
D2ZIc11gedFORE<-ugarchforecast(D2ZIc11gedFIT,n.ahead=181)  D2ZIc11gedFORE@forecast$sigma
D2ZIc22gedFORE<-ugarchforecast(D2ZIc22gedFIT,n.ahead=181)  D2ZIc22gedFORE@forecast$sigma
D2ZIc12gedFORE<-ugarchforecast(D2ZIc12gedFIT,n.ahead=181)  D2ZIc12gedFORE@forecast$sigma
D2ZIc21gedFORE<-ugarchforecast(D2ZIc21gedFIT,n.ahead=181)  D2ZIc21gedFORE@forecast$sigma

D2ZIs11stdFORE<-ugarchforecast(D2ZIs11stdFIT,n.ahead=181)  D2ZIs11stdFORE@forecast$sigma
D2ZIs22stdFORE<-ugarchforecast(D2ZIs22stdFIT,n.ahead=181)  D2ZIs22stdFORE@forecast$sigma
D2ZIs12stdFORE<-ugarchforecast(D2ZIs12stdFIT,n.ahead=181)  D2ZIs12stdFORE@forecast$sigma
D2ZIs21stdFORE<-ugarchforecast(D2ZIs21stdFIT,n.ahead=181)  D2ZIs21stdFORE@forecast$sigma
D2ZIe11stdFORE<-ugarchforecast(D2ZIe11stdFIT,n.ahead=181)  D2ZIe11stdFORE@forecast$sigma
D2ZIe22stdFORE<-ugarchforecast(D2ZIe22stdFIT,n.ahead=181)  D2ZIe22stdFORE@forecast$sigma
D2ZIe12stdFORE<-ugarchforecast(D2ZIe12stdFIT,n.ahead=181)  D2ZIe12stdFORE@forecast$sigma
D2ZIe21stdFORE<-ugarchforecast(D2ZIe21stdFIT,n.ahead=181)  D2ZIe21stdFORE@forecast$sigma
D2ZIg11stdFORE<-ugarchforecast(D2ZIg11stdFIT,n.ahead=181)  D2ZIg11stdFORE@forecast$sigma
D2ZIg22stdFORE<-ugarchforecast(D2ZIg22stdFIT,n.ahead=181)  D2ZIg22stdFORE@forecast$sigma
D2ZIg12stdFORE<-ugarchforecast(D2ZIg12stdFIT,n.ahead=181)  D2ZIg12stdFORE@forecast$sigma
D2ZIg21stdFORE<-ugarchforecast(D2ZIg21stdFIT,n.ahead=181)  D2ZIg21stdFORE@forecast$sigma
D2ZIi11stdFORE<-ugarchforecast(D2ZIi11stdFIT,n.ahead=181)  D2ZIi11stdFORE@forecast$sigma
D2ZIi22stdFORE<-ugarchforecast(D2ZIi22stdFIT,n.ahead=181)  D2ZIi22stdFORE@forecast$sigma
D2ZIi12stdFORE<-ugarchforecast(D2ZIi12stdFIT,n.ahead=181)  D2ZIi12stdFORE@forecast$sigma
D2ZIi21stdFORE<-ugarchforecast(D2ZIi21stdFIT,n.ahead=181)  D2ZIi21stdFORE@forecast$sigma
D2ZIc11stdFORE<-ugarchforecast(D2ZIc11stdFIT,n.ahead=181)  D2ZIc11stdFORE@forecast$sigma
D2ZIc22stdFORE<-ugarchforecast(D2ZIc22stdFIT,n.ahead=181)  D2ZIc22stdFORE@forecast$sigma
D2ZIc12stdFORE<-ugarchforecast(D2ZIc12stdFIT,n.ahead=181)  D2ZIc12stdFORE@forecast$sigma
D2ZIc21stdFORE<-ugarchforecast(D2ZIc21stdFIT,n.ahead=181)  D2ZIc21stdFORE@forecast$sigma

D2ZIs11norFORE<-ugarchforecast(D2ZIs11norFIT,n.ahead=181)  D2ZIs11norFORE@forecast$sigma
D2ZIs22norFORE<-ugarchforecast(D2ZIs22norFIT,n.ahead=181)  D2ZIs22norFORE@forecast$sigma
D2ZIs12norFORE<-ugarchforecast(D2ZIs12norFIT,n.ahead=181)  D2ZIs12norFORE@forecast$sigma
D2ZIs21norFORE<-ugarchforecast(D2ZIs21norFIT,n.ahead=181)  D2ZIs21norFORE@forecast$sigma
D2ZIe11norFORE<-ugarchforecast(D2ZIe11norFIT,n.ahead=181)  D2ZIe11norFORE@forecast$sigma
D2ZIe22norFORE<-ugarchforecast(D2ZIe22norFIT,n.ahead=181)  D2ZIe22norFORE@forecast$sigma
D2ZIe12norFORE<-ugarchforecast(D2ZIe12norFIT,n.ahead=181)  D2ZIe12norFORE@forecast$sigma
D2ZIe21norFORE<-ugarchforecast(D2ZIe21norFIT,n.ahead=181)  D2ZIe21norFORE@forecast$sigma
D2ZIg11norFORE<-ugarchforecast(D2ZIg11norFIT,n.ahead=181)  D2ZIg11norFORE@forecast$sigma
D2ZIg22norFORE<-ugarchforecast(D2ZIg22norFIT,n.ahead=181)  D2ZIg22norFORE@forecast$sigma
D2ZIg12norFORE<-ugarchforecast(D2ZIg12norFIT,n.ahead=181)  D2ZIg12norFORE@forecast$sigma
D2ZIg21norFORE<-ugarchforecast(D2ZIg21norFIT,n.ahead=181)  D2ZIg21norFORE@forecast$sigma
D2ZIi11norFORE<-ugarchforecast(D2ZIi11norFIT,n.ahead=181)  D2ZIi11norFORE@forecast$sigma
D2ZIi22norFORE<-ugarchforecast(D2ZIi22norFIT,n.ahead=181)  D2ZIi22norFORE@forecast$sigma
D2ZIi12norFORE<-ugarchforecast(D2ZIi12norFIT,n.ahead=181)  D2ZIi12norFORE@forecast$sigma
D2ZIi21norFORE<-ugarchforecast(D2ZIi21norFIT,n.ahead=181)  D2ZIi21norFORE@forecast$sigma
D2ZIc11norFORE<-ugarchforecast(D2ZIc11norFIT,n.ahead=181)  D2ZIc11norFORE@forecast$sigma
D2ZIc22norFORE<-ugarchforecast(D2ZIc22norFIT,n.ahead=181)  D2ZIc22norFORE@forecast$sigma
D2ZIc12norFORE<-ugarchforecast(D2ZIc12norFIT,n.ahead=181)  D2ZIc12norFORE@forecast$sigma
D2ZIc21norFORE<-ugarchforecast(D2ZIc21norFIT,n.ahead=181)  D2ZIc21norFORE@forecast$sigma
```

```
##Lean Hog Forecast                                        ##Lean Hog Forecast
DJLHs11gedFORE<-ugarchforecast(DJLHs11gedFIT,n.ahead=181)  DJLHs11gedFORE@forecast$sigma
DJLHs22gedFORE<-ugarchforecast(DJLHs22gedFIT,n.ahead=181)  DJLHs22gedFORE@forecast$sigma
DJLHs12gedFORE<-ugarchforecast(DJLHs12gedFIT,n.ahead=181)  DJLHs12gedFORE@forecast$sigma
DJLHs21gedFORE<-ugarchforecast(DJLHs21gedFIT,n.ahead=181)  DJLHs21gedFORE@forecast$sigma
DJLHe11gedFORE<-ugarchforecast(DJLHe11gedFIT,n.ahead=181)  DJLHe11gedFORE@forecast$sigma
DJLHe22gedFORE<-ugarchforecast(DJLHe22gedFIT,n.ahead=181)  DJLHe22gedFORE@forecast$sigma
DJLHe12gedFORE<-ugarchforecast(DJLHe12gedFIT,n.ahead=181)  DJLHe12gedFORE@forecast$sigma
DJLHe21gedFORE<-ugarchforecast(DJLHe21gedFIT,n.ahead=181)  DJLHe21gedFORE@forecast$sigma
DJLHg11gedFORE<-ugarchforecast(DJLHg11gedFIT,n.ahead=181)  DJLHg11gedFORE@forecast$sigma
DJLHg22gedFORE<-ugarchforecast(DJLHg22gedFIT,n.ahead=181)  DJLHg22gedFORE@forecast$sigma
DJLHg12gedFORE<-ugarchforecast(DJLHg12gedFIT,n.ahead=181)  DJLHg12gedFORE@forecast$sigma
DJLHg21gedFORE<-ugarchforecast(DJLHg21gedFIT,n.ahead=181)  DJLHg21gedFORE@forecast$sigma
DJLHi11gedFORE<-ugarchforecast(DJLHi11gedFIT,n.ahead=181)  DJLHi11gedFORE@forecast$sigma
DJLHi22gedFORE<-ugarchforecast(DJLHi22gedFIT,n.ahead=181)  DJLHi22gedFORE@forecast$sigma
DJLHi12gedFORE<-ugarchforecast(DJLHi12gedFIT,n.ahead=181)  DJLHi12gedFORE@forecast$sigma
DJLHi21gedFORE<-ugarchforecast(DJLHi21gedFIT,n.ahead=181)  DJLHi21gedFORE@forecast$sigma
DJLHc11gedFORE<-ugarchforecast(DJLHc11gedFIT,n.ahead=181)  DJLHc11gedFORE@forecast$sigma
DJLHc22gedFORE<-ugarchforecast(DJLHc22gedFIT,n.ahead=181)  DJLHc22gedFORE@forecast$sigma
DJLHc12gedFORE<-ugarchforecast(DJLHc12gedFIT,n.ahead=181)  DJLHc12gedFORE@forecast$sigma
DJLHc21gedFORE<-ugarchforecast(DJLHc21gedFIT,n.ahead=181)  DJLHc21gedFORE@forecast$sigma

DJLHs11stdFORE<-ugarchforecast(DJLHs11stdFIT,n.ahead=181)  DJLHs11stdFORE@forecast$sigma
DJLHs22stdFORE<-ugarchforecast(DJLHs22stdFIT,n.ahead=181)  DJLHs22stdFORE@forecast$sigma
DJLHs12stdFORE<-ugarchforecast(DJLHs12stdFIT,n.ahead=181)  DJLHs12stdFORE@forecast$sigma
DJLHs21stdFORE<-ugarchforecast(DJLHs21stdFIT,n.ahead=181)  DJLHs21stdFORE@forecast$sigma
DJLHe11stdFORE<-ugarchforecast(DJLHe11stdFIT,n.ahead=181)  DJLHe11stdFORE@forecast$sigma
DJLHe22stdFORE<-ugarchforecast(DJLHe22stdFIT,n.ahead=181)  DJLHe22stdFORE@forecast$sigma
DJLHe12stdFORE<-ugarchforecast(DJLHe12stdFIT,n.ahead=181)  DJLHe12stdFORE@forecast$sigma
DJLHe21stdFORE<-ugarchforecast(DJLHe21stdFIT,n.ahead=181)  DJLHe21stdFORE@forecast$sigma
DJLHg11stdFORE<-ugarchforecast(DJLHg11stdFIT,n.ahead=181)  DJLHg11stdFORE@forecast$sigma
DJLHg22stdFORE<-ugarchforecast(DJLHg22stdFIT,n.ahead=181)  DJLHg22stdFORE@forecast$sigma
DJLHg12stdFORE<-ugarchforecast(DJLHg12stdFIT,n.ahead=181)  DJLHg12stdFORE@forecast$sigma
DJLHg21stdFORE<-ugarchforecast(DJLHg21stdFIT,n.ahead=181)  DJLHg21stdFORE@forecast$sigma
DJLHi11stdFORE<-ugarchforecast(DJLHi11stdFIT,n.ahead=181)  DJLHi11stdFORE@forecast$sigma
DJLHi22stdFORE<-ugarchforecast(DJLHi22stdFIT,n.ahead=181)  DJLHi22stdFORE@forecast$sigma
DJLHi12stdFORE<-ugarchforecast(DJLHi12stdFIT,n.ahead=181)  DJLHi12stdFORE@forecast$sigma
DJLHi21stdFORE<-ugarchforecast(DJLHi21stdFIT,n.ahead=181)  DJLHi21stdFORE@forecast$sigma
DJLHc11stdFORE<-ugarchforecast(DJLHc11stdFIT,n.ahead=181)  DJLHc11stdFORE@forecast$sigma
DJLHc22stdFORE<-ugarchforecast(DJLHc22stdFIT,n.ahead=181)  DJLHc22stdFORE@forecast$sigma
DJLHc12stdFORE<-ugarchforecast(DJLHc12stdFIT,n.ahead=181)  DJLHc12stdFORE@forecast$sigma
DJLHc21stdFORE<-ugarchforecast(DJLHc21stdFIT,n.ahead=181)  DJLHc21stdFORE@forecast$sigma

DJLHs11norFORE<-ugarchforecast(DJLHs11norFIT,n.ahead=181)  DJLHs11norFORE@forecast$sigma
DJLHs22norFORE<-ugarchforecast(DJLHs22norFIT,n.ahead=181)  DJLHs22norFORE@forecast$sigma
DJLHs12norFORE<-ugarchforecast(DJLHs12norFIT,n.ahead=181)  DJLHs12norFORE@forecast$sigma
DJLHs21norFORE<-ugarchforecast(DJLHs21norFIT,n.ahead=181)  DJLHs21norFORE@forecast$sigma
DJLHe11norFORE<-ugarchforecast(DJLHe11norFIT,n.ahead=181)  DJLHe11norFORE@forecast$sigma
DJLHe22norFORE<-ugarchforecast(DJLHe22norFIT,n.ahead=181)  DJLHe22norFORE@forecast$sigma
DJLHe12norFORE<-ugarchforecast(DJLHe12norFIT,n.ahead=181)  DJLHe12norFORE@forecast$sigma
DJLHe21norFORE<-ugarchforecast(DJLHe21norFIT,n.ahead=181)  DJLHe21norFORE@forecast$sigma
DJLHg11norFORE<-ugarchforecast(DJLHg11norFIT,n.ahead=181)  DJLHg11norFORE@forecast$sigma
DJLHg22norFORE<-ugarchforecast(DJLHg22norFIT,n.ahead=181)  DJLHg22norFORE@forecast$sigma
DJLHg12norFORE<-ugarchforecast(DJLHg12norFIT,n.ahead=181)  DJLHg12norFORE@forecast$sigma
DJLHg21norFORE<-ugarchforecast(DJLHg21norFIT,n.ahead=181)  DJLHg21norFORE@forecast$sigma
DJLHi11norFORE<-ugarchforecast(DJLHi11norFIT,n.ahead=181)  DJLHi11norFORE@forecast$sigma
DJLHi22norFORE<-ugarchforecast(DJLHi22norFIT,n.ahead=181)  DJLHi22norFORE@forecast$sigma
DJLHi12norFORE<-ugarchforecast(DJLHi12norFIT,n.ahead=181)  DJLHi12norFORE@forecast$sigma
DJLHi21norFORE<-ugarchforecast(DJLHi21norFIT,n.ahead=181)  DJLHi21norFORE@forecast$sigma
DJLHc11norFORE<-ugarchforecast(DJLHc11norFIT,n.ahead=181)  DJLHc11norFORE@forecast$sigma
DJLHc22norFORE<-ugarchforecast(DJLHc22norFIT,n.ahead=181)  DJLHc22norFORE@forecast$sigma
DJLHc12norFORE<-ugarchforecast(DJLHc12norFIT,n.ahead=181)  DJLHc12norFORE@forecast$sigma
DJLHc21norFORE<-ugarchforecast(DJLHc21norFIT,n.ahead=181)  DJLHc21norFORE@forecast$sigma
```

```
##Natural Gas Forecast                                     ##Natural Gas Forecast
DJNGs11gedFORE<-ugarchforecast(DJNGs11gedFIT,n.ahead=181)  DJNGs11gedFORE@forecast$sigma
DJNGs22gedFORE<-ugarchforecast(DJNGs22gedFIT,n.ahead=181)  DJNGs22gedFORE@forecast$sigma
DJNGs12gedFORE<-ugarchforecast(DJNGs12gedFIT,n.ahead=181)  DJNGs12gedFORE@forecast$sigma
DJNGs21gedFORE<-ugarchforecast(DJNGs21gedFIT,n.ahead=181)  DJNGs21gedFORE@forecast$sigma
DJNGe11gedFORE<-ugarchforecast(DJNGe11gedFIT,n.ahead=181)  DJNGe11gedFORE@forecast$sigma
DJNGe22gedFORE<-ugarchforecast(DJNGe22gedFIT,n.ahead=181)  DJNGe22gedFORE@forecast$sigma
DJNGe12gedFORE<-ugarchforecast(DJNGe12gedFIT,n.ahead=181)  DJNGe12gedFORE@forecast$sigma
DJNGe21gedFORE<-ugarchforecast(DJNGe21gedFIT,n.ahead=181)  DJNGe21gedFORE@forecast$sigma
DJNGg11gedFORE<-ugarchforecast(DJNGg11gedFIT,n.ahead=181)  DJNGg11gedFORE@forecast$sigma
DJNGg22gedFORE<-ugarchforecast(DJNGg22gedFIT,n.ahead=181)  DJNGg22gedFORE@forecast$sigma
DJNGg12gedFORE<-ugarchforecast(DJNGg12gedFIT,n.ahead=181)  DJNGg12gedFORE@forecast$sigma
DJNGg21gedFORE<-ugarchforecast(DJNGg21gedFIT,n.ahead=181)  DJNGg21gedFORE@forecast$sigma
DJNGi11gedFORE<-ugarchforecast(DJNGi11gedFIT,n.ahead=181)  DJNGi11gedFORE@forecast$sigma
DJNGi12gedFORE<-ugarchforecast(DJNGi12gedFIT,n.ahead=181)  DJNGi12gedFORE@forecast$sigma
DJNGi22gedFORE<-ugarchforecast(DJNGi22gedFIT,n.ahead=181)  DJNGi22gedFORE@forecast$sigma
DJNGi21gedFORE<-ugarchforecast(DJNGi21gedFIT,n.ahead=181)  DJNGi21gedFORE@forecast$sigma
DJNGc11gedFORE<-ugarchforecast(DJNGc11gedFIT,n.ahead=181)  DJNGc11gedFORE@forecast$sigma
DJNGc22gedFORE<-ugarchforecast(DJNGc22gedFIT,n.ahead=181)  DJNGc22gedFORE@forecast$sigma
DJNGc12gedFORE<-ugarchforecast(DJNGc12gedFIT,n.ahead=181)  DJNGc12gedFORE@forecast$sigma
DJNGc21gedFORE<-ugarchforecast(DJNGc21gedFIT,n.ahead=181)  DJNGc21gedFORE@forecast$sigma

DJNGs11stdFORE<-ugarchforecast(DJNGs11stdFIT,n.ahead=181)  DJNGs11stdFORE@forecast$sigma
DJNGs22stdFORE<-ugarchforecast(DJNGs22stdFIT,n.ahead=181)  DJNGs22stdFORE@forecast$sigma
DJNGs12stdFORE<-ugarchforecast(DJNGs12stdFIT,n.ahead=181)  DJNGs12stdFORE@forecast$sigma
DJNGs21stdFORE<-ugarchforecast(DJNGs21stdFIT,n.ahead=181)  DJNGs21stdFORE@forecast$sigma
DJNGe11stdFORE<-ugarchforecast(DJNGe11stdFIT,n.ahead=181)  DJNGe11stdFORE@forecast$sigma
DJNGe22stdFORE<-ugarchforecast(DJNGe22stdFIT,n.ahead=181)  DJNGe22stdFORE@forecast$sigma
DJNGe12stdFORE<-ugarchforecast(DJNGe12stdFIT,n.ahead=181)  DJNGe12stdFORE@forecast$sigma
DJNGe21stdFORE<-ugarchforecast(DJNGe21stdFIT,n.ahead=181)  DJNGe21stdFORE@forecast$sigma
DJNGg11stdFORE<-ugarchforecast(DJNGg11stdFIT,n.ahead=181)  DJNGg11stdFORE@forecast$sigma
DJNGg22stdFORE<-ugarchforecast(DJNGg22stdFIT,n.ahead=181)  DJNGg22stdFORE@forecast$sigma
DJNGg12stdFORE<-ugarchforecast(DJNGg12stdFIT,n.ahead=181)  DJNGg12stdFORE@forecast$sigma
DJNGg21stdFORE<-ugarchforecast(DJNGg21stdFIT,n.ahead=181)  DJNGg21stdFORE@forecast$sigma
DJNGi11stdFORE<-ugarchforecast(DJNGi11stdFIT,n.ahead=181)  DJNGi11stdFORE@forecast$sigma
DJNGi22stdFORE<-ugarchforecast(DJNGi22stdFIT,n.ahead=181)  DJNGi22stdFORE@forecast$sigma
DJNGi12stdFORE<-ugarchforecast(DJNGi12stdFIT,n.ahead=181)  DJNGi12stdFORE@forecast$sigma
DJNGi21stdFORE<-ugarchforecast(DJNGi21stdFIT,n.ahead=181)  DJNGi21stdFORE@forecast$sigma
DJNGc11stdFORE<-ugarchforecast(DJNGc11stdFIT,n.ahead=181)  DJNGc11stdFORE@forecast$sigma
DJNGc22stdFORE<-ugarchforecast(DJNGc22stdFIT,n.ahead=181)  DJNGc22stdFORE@forecast$sigma
DJNGc12stdFORE<-ugarchforecast(DJNGc12stdFIT,n.ahead=181)  DJNGc12stdFORE@forecast$sigma
DJNGc21stdFORE<-ugarchforecast(DJNGc21stdFIT,n.ahead=181)  DJNGc21stdFORE@forecast$sigma

DJNGs11norFORE<-ugarchforecast(DJNGs11norFIT,n.ahead=181)  DJNGs11norFORE@forecast$sigma
DJNGs22norFORE<-ugarchforecast(DJNGs22norFIT,n.ahead=181)  DJNGs22norFORE@forecast$sigma
DJNGs12norFORE<-ugarchforecast(DJNGs12norFIT,n.ahead=181)  DJNGs12norFORE@forecast$sigma
DJNGs21norFORE<-ugarchforecast(DJNGs21norFIT,n.ahead=181)  DJNGs21norFORE@forecast$sigma
DJNGe11norFORE<-ugarchforecast(DJNGe11norFIT,n.ahead=181)  DJNGe11norFORE@forecast$sigma
DJNGe22norFORE<-ugarchforecast(DJNGe22norFIT,n.ahead=181)  DJNGe22norFORE@forecast$sigma
DJNGe12norFORE<-ugarchforecast(DJNGe12norFIT,n.ahead=181)  DJNGe12norFORE@forecast$sigma
DJNGe21norFORE<-ugarchforecast(DJNGe21norFIT,n.ahead=181)  DJNGe21norFORE@forecast$sigma
DJNGg11norFORE<-ugarchforecast(DJNGg11norFIT,n.ahead=181)  DJNGg11norFORE@forecast$sigma
DJNGg22norFORE<-ugarchforecast(DJNGg22norFIT,n.ahead=181)  DJNGg22norFORE@forecast$sigma
DJNGg12norFORE<-ugarchforecast(DJNGg12norFIT,n.ahead=181)  DJNGg12norFORE@forecast$sigma
DJNGg21norFORE<-ugarchforecast(DJNGg21norFIT,n.ahead=181)  DJNGg21norFORE@forecast$sigma
DJNGi11norFORE<-ugarchforecast(DJNGi11norFIT,n.ahead=181)  DJNGi11norFORE@forecast$sigma
DJNGi22norFORE<-ugarchforecast(DJNGi22norFIT,n.ahead=181)  DJNGi22norFORE@forecast$sigma
DJNGi12norFORE<-ugarchforecast(DJNGi12norFIT,n.ahead=181)  DJNGi12norFORE@forecast$sigma
DJNGi21norFORE<-ugarchforecast(DJNGi21norFIT,n.ahead=181)  DJNGi21norFORE@forecast$sigma
DJNGc11norFORE<-ugarchforecast(DJNGc11norFIT,n.ahead=181)  DJNGc11norFORE@forecast$sigma
DJNGc22norFORE<-ugarchforecast(DJNGc22norFIT,n.ahead=181)  DJNGc22norFORE@forecast$sigma
DJNGc12norFORE<-ugarchforecast(DJNGc12norFIT,n.ahead=181)  DJNGc12norFORE@forecast$sigma
DJNGc21norFORE<-ugarchforecast(DJNGc21norFIT,n.ahead=181)  DJNGc21norFORE@forecast$sigma
```

```
##Petroleum Forecast                                       ##Petroleum Forecast
DJPEs11gedFORE<-ugarchforecast(DJPEs11gedFIT,n.ahead=181)  DJPEs11gedFORE@forecast$sigma
DJPEs22gedFORE<-ugarchforecast(DJPEs22gedFIT,n.ahead=181)  DJPEs22gedFORE@forecast$sigma
DJPEs12gedFORE<-ugarchforecast(DJPEs12gedFIT,n.ahead=181)  DJPEs12gedFORE@forecast$sigma
DJPEs21gedFORE<-ugarchforecast(DJPEs21gedFIT,n.ahead=181)  DJPEs21gedFORE@forecast$sigma
DJPEe11gedFORE<-ugarchforecast(DJPEe11gedFIT,n.ahead=181)  DJPEe11gedFORE@forecast$sigma
DJPEe22gedFORE<-ugarchforecast(DJPEe22gedFIT,n.ahead=181)  DJPEe22gedFORE@forecast$sigma
DJPEe12gedFORE<-ugarchforecast(DJPEe12gedFIT,n.ahead=181)  DJPEe12gedFORE@forecast$sigma
DJPEe21gedFORE<-ugarchforecast(DJPEe21gedFIT,n.ahead=181)  DJPEe21gedFORE@forecast$sigma
DJPEg11gedFORE<-ugarchforecast(DJPEg11gedFIT,n.ahead=181)  DJPEg11gedFORE@forecast$sigma
DJPEg22gedFORE<-ugarchforecast(DJPEg22gedFIT,n.ahead=181)  DJPEg22gedFORE@forecast$sigma
DJPEg12gedFORE<-ugarchforecast(DJPEg12gedFIT,n.ahead=181)  DJPEg12gedFORE@forecast$sigma
DJPEg21gedFORE<-ugarchforecast(DJPEg21gedFIT,n.ahead=181)  DJPEg21gedFORE@forecast$sigma
```

```
DJPEi11gedFORE<-ugarchforecast(DJPEi11gedFIT,n.ahead=181)  DJPEi11gedFORE@forecast$sigma
DJPEi22gedFORE<-ugarchforecast(DJPEi22gedFIT,n.ahead=181)  DJPEi22gedFORE@forecast$sigma
DJPEi12gedFORE<-ugarchforecast(DJPEi12gedFIT,n.ahead=181)  DJPEi12gedFORE@forecast$sigma
DJPEi21gedFORE<-ugarchforecast(DJPEi21gedFIT,n.ahead=181)  DJPEi21gedFORE@forecast$sigma
DJPEc11gedFORE<-ugarchforecast(DJPEc11gedFIT,n.ahead=181)  DJPEc11gedFORE@forecast$sigma
DJPEc22gedFORE<-ugarchforecast(DJPEc22gedFIT,n.ahead=181)  DJPEc22gedFORE@forecast$sigma
DJPEc12gedFORE<-ugarchforecast(DJPEc12gedFIT,n.ahead=181)  DJPEc12gedFORE@forecast$sigma
DJPEc21gedFORE<-ugarchforecast(DJPEc21gedFIT,n.ahead=181)  DJPEc21gedFORE@forecast$sigma

DJPEs11stdFORE<-ugarchforecast(DJPEs11stdFIT,n.ahead=181)  DJPEs11stdFORE@forecast$sigma
DJPEs22stdFORE<-ugarchforecast(DJPEs22stdFIT,n.ahead=181)  DJPEs22stdFORE@forecast$sigma
DJPEs12stdFORE<-ugarchforecast(DJPEs12stdFIT,n.ahead=181)  DJPEs12stdFORE@forecast$sigma
DJPEs21stdFORE<-ugarchforecast(DJPEs21stdFIT,n.ahead=181)  DJPEs21stdFORE@forecast$sigma
DJPEe11stdFORE<-ugarchforecast(DJPEe11stdFIT,n.ahead=181)  DJPEe11stdFORE@forecast$sigma
DJPEe22stdFORE<-ugarchforecast(DJPEe22stdFIT,n.ahead=181)  DJPEe22stdFORE@forecast$sigma
DJPEe12stdFORE<-ugarchforecast(DJPEe12stdFIT,n.ahead=181)  DJPEe12stdFORE@forecast$sigma
DJPEe21stdFORE<-ugarchforecast(DJPEe21stdFIT,n.ahead=181)  DJPEe21stdFORE@forecast$sigma
DJPEg11stdFORE<-ugarchforecast(DJPEg11stdFIT,n.ahead=181)  DJPEg11stdFORE@forecast$sigma
DJPEg22stdFORE<-ugarchforecast(DJPEg22stdFIT,n.ahead=181)  DJPEg22stdFORE@forecast$sigma
DJPEg12stdFORE<-ugarchforecast(DJPEg12stdFIT,n.ahead=181)  DJPEg12stdFORE@forecast$sigma
DJPEg21stdFORE<-ugarchforecast(DJPEg21stdFIT,n.ahead=181)  DJPEg21stdFORE@forecast$sigma
DJPEi11stdFORE<-ugarchforecast(DJPEi11stdFIT,n.ahead=181)  DJPEi11stdFORE@forecast$sigma
DJPEi22stdFORE<-ugarchforecast(DJPEi22stdFIT,n.ahead=181)  DJPEi22stdFORE@forecast$sigma
DJPEi12stdFORE<-ugarchforecast(DJPEi12stdFIT,n.ahead=181)  DJPEi12stdFORE@forecast$sigma
DJPEi21stdFORE<-ugarchforecast(DJPEi21stdFIT,n.ahead=181)  DJPEi21stdFORE@forecast$sigma
DJPEc11stdFORE<-ugarchforecast(DJPEc11stdFIT,n.ahead=181)  DJPEc11stdFORE@forecast$sigma
DJPEc22stdFORE<-ugarchforecast(DJPEc22stdFIT,n.ahead=181)  DJPEc22stdFORE@forecast$sigma
DJPEc12stdFORE<-ugarchforecast(DJPEc12stdFIT,n.ahead=181)  DJPEc12stdFORE@forecast$sigma
DJPEc21stdFORE<-ugarchforecast(DJPEc21stdFIT,n.ahead=181)  DJPEc21stdFORE@forecast$sigma

DJPEs11norFORE<-ugarchforecast(DJPEs11norFIT,n.ahead=181)  DJPEs11norFORE@forecast$sigma
DJPEs22norFORE<-ugarchforecast(DJPEs22norFIT,n.ahead=181)  DJPEs22norFORE@forecast$sigma
DJPEs12norFORE<-ugarchforecast(DJPEs12norFIT,n.ahead=181)  DJPEs12norFORE@forecast$sigma
DJPEs21norFORE<-ugarchforecast(DJPEs21norFIT,n.ahead=181)  DJPEs21norFORE@forecast$sigma
DJPEe11norFORE<-ugarchforecast(DJPEe11norFIT,n.ahead=181)  DJPEe11norFORE@forecast$sigma
DJPEe22norFORE<-ugarchforecast(DJPEe22norFIT,n.ahead=181)  DJPEe22norFORE@forecast$sigma
DJPEe12norFORE<-ugarchforecast(DJPEe12norFIT,n.ahead=181)  DJPEe12norFORE@forecast$sigma
DJPEe21norFORE<-ugarchforecast(DJPEe21norFIT,n.ahead=181)  DJPEe21norFORE@forecast$sigma
DJPEg11norFORE<-ugarchforecast(DJPEg11norFIT,n.ahead=181)  DJPEg11norFORE@forecast$sigma
DJPEg22norFORE<-ugarchforecast(DJPEg22norFIT,n.ahead=181)  DJPEg22norFORE@forecast$sigma
DJPEg12norFORE<-ugarchforecast(DJPEg12norFIT,n.ahead=181)  DJPEg12norFORE@forecast$sigma
DJPEg21norFORE<-ugarchforecast(DJPEg21norFIT,n.ahead=181)  DJPEg21norFORE@forecast$sigma
DJPEi11norFORE<-ugarchforecast(DJPEi11norFIT,n.ahead=181)  DJPEi11norFORE@forecast$sigma
DJPEi22norFORE<-ugarchforecast(DJPEi22norFIT,n.ahead=181)  DJPEi22norFORE@forecast$sigma
DJPEi12norFORE<-ugarchforecast(DJPEi12norFIT,n.ahead=181)  DJPEi12norFORE@forecast$sigma
DJPEi21norFORE<-ugarchforecast(DJPEi21norFIT,n.ahead=181)  DJPEi21norFORE@forecast$sigma
DJPEc11norFORE<-ugarchforecast(DJPEc11norFIT,n.ahead=181)  DJPEc11norFORE@forecast$sigma
DJPEc22norFORE<-ugarchforecast(DJPEc22norFIT,n.ahead=181)  DJPEc22norFORE@forecast$sigma
DJPEc12norFORE<-ugarchforecast(DJPEc12norFIT,n.ahead=181)  DJPEc12norFORE@forecast$sigma
DJPEc21norFORE<-ugarchforecast(DJPEc21norFIT,n.ahead=181)  DJPEc21norFORE@forecast$sigma

##Soybeans Forecast                                        ##Soybeans Forecast
DJSOs11gedFORE<-ugarchforecast(DJSOs11gedFIT,n.ahead=181)  DJSOs11gedFORE@forecast$sigma
DJSOs22gedFORE<-ugarchforecast(DJSOs22gedFIT,n.ahead=181)  DJSOs22gedFORE@forecast$sigma
DJSOs12gedFORE<-ugarchforecast(DJSOs12gedFIT,n.ahead=181)  DJSOs12gedFORE@forecast$sigma
DJSOs21gedFORE<-ugarchforecast(DJSOs21gedFIT,n.ahead=181)  DJSOs21gedFORE@forecast$sigma
DJSOe11gedFORE<-ugarchforecast(DJSOe11gedFIT,n.ahead=181)  DJSOe11gedFORE@forecast$sigma
DJSOe22gedFORE<-ugarchforecast(DJSOe22gedFIT,n.ahead=181)  DJSOe22gedFORE@forecast$sigma
DJSOe12gedFORE<-ugarchforecast(DJSOe12gedFIT,n.ahead=181)  DJSOe12gedFORE@forecast$sigma
DJSOe21gedFORE<-ugarchforecast(DJSOe21gedFIT,n.ahead=181)  DJSOe21gedFORE@forecast$sigma
DJSOg11gedFORE<-ugarchforecast(DJSOg11gedFIT,n.ahead=181)  DJSOg11gedFORE@forecast$sigma
DJSOg22gedFORE<-ugarchforecast(DJSOg22gedFIT,n.ahead=181)  DJSOg22gedFORE@forecast$sigma
DJSOg12gedFORE<-ugarchforecast(DJSOg12gedFIT,n.ahead=181)  DJSOg12gedFORE@forecast$sigma
DJSOg21gedFORE<-ugarchforecast(DJSOg21gedFIT,n.ahead=181)  DJSOg21gedFORE@forecast$sigma
DJSOi11gedFORE<-ugarchforecast(DJSOi11gedFIT,n.ahead=181)  DJSOi11gedFORE@forecast$sigma
DJSOi22gedFORE<-ugarchforecast(DJSOi22gedFIT,n.ahead=181)  DJSOi22gedFORE@forecast$sigma
DJSOi12gedFORE<-ugarchforecast(DJSOi12gedFIT,n.ahead=181)  DJSOi12gedFORE@forecast$sigma
DJSOi21gedFORE<-ugarchforecast(DJSOi21gedFIT,n.ahead=181)  DJSOi21gedFORE@forecast$sigma
DJSOc11gedFORE<-ugarchforecast(DJSOc11gedFIT,n.ahead=181)  DJSOc11gedFORE@forecast$sigma
DJSOc22gedFORE<-ugarchforecast(DJSOc22gedFIT,n.ahead=181)  DJSOc22gedFORE@forecast$sigma
DJSOc12gedFORE<-ugarchforecast(DJSOc12gedFIT,n.ahead=181)  DJSOc12gedFORE@forecast$sigma
DJSOc21gedFORE<-ugarchforecast(DJSOc21gedFIT,n.ahead=181)  DJSOc21gedFORE@forecast$sigma

DJSOs11stdFORE<-ugarchforecast(DJSOs11stdFIT,n.ahead=181)  DJSOs11stdFORE@forecast$sigma
DJSOs22stdFORE<-ugarchforecast(DJSOs22stdFIT,n.ahead=181)  DJSOs22stdFORE@forecast$sigma
DJSOs12stdFORE<-ugarchforecast(DJSOs12stdFIT,n.ahead=181)  DJSOs12stdFORE@forecast$sigma
DJSOs21stdFORE<-ugarchforecast(DJSOs21stdFIT,n.ahead=181)  DJSOs21stdFORE@forecast$sigma
DJSOe11stdFORE<-ugarchforecast(DJSOe11stdFIT,n.ahead=181)  DJSOe11stdFORE@forecast$sigma
DJSOe22stdFORE<-ugarchforecast(DJSOe22stdFIT,n.ahead=181)  DJSOe22stdFORE@forecast$sigma
DJSOe12stdFORE<-ugarchforecast(DJSOe12stdFIT,n.ahead=181)  DJSOe12stdFORE@forecast$sigma
DJSOe21stdFORE<-ugarchforecast(DJSOe21stdFIT,n.ahead=181)  DJSOe21stdFORE@forecast$sigma
DJSOg11stdFORE<-ugarchforecast(DJSOg11stdFIT,n.ahead=181)  DJSOg11stdFORE@forecast$sigma
DJSOg22stdFORE<-ugarchforecast(DJSOg22stdFIT,n.ahead=181)  DJSOg22stdFORE@forecast$sigma
DJSOg12stdFORE<-ugarchforecast(DJSOg12stdFIT,n.ahead=181)  DJSOg12stdFORE@forecast$sigma
DJSOg21stdFORE<-ugarchforecast(DJSOg21stdFIT,n.ahead=181)  DJSOg21stdFORE@forecast$sigma
DJSOi11stdFORE<-ugarchforecast(DJSOi11stdFIT,n.ahead=181)  DJSOi11stdFORE@forecast$sigma
DJSOi22stdFORE<-ugarchforecast(DJSOi22stdFIT,n.ahead=181)  DJSOi22stdFORE@forecast$sigma
DJSOi12stdFORE<-ugarchforecast(DJSOi12stdFIT,n.ahead=181)  DJSOi12stdFORE@forecast$sigma
DJSOi21stdFORE<-ugarchforecast(DJSOi21stdFIT,n.ahead=181)  DJSOi21stdFORE@forecast$sigma
DJSOc11stdFORE<-ugarchforecast(DJSOc11stdFIT,n.ahead=181)  DJSOc11stdFORE@forecast$sigma
DJSOc22stdFORE<-ugarchforecast(DJSOc22stdFIT,n.ahead=181)  DJSOc22stdFORE@forecast$sigma
DJSOc12stdFORE<-ugarchforecast(DJSOc12stdFIT,n.ahead=181)  DJSOc12stdFORE@forecast$sigma
DJSOc21stdFORE<-ugarchforecast(DJSOc21stdFIT,n.ahead=181)  DJSOc21stdFORE@forecast$sigma

DJSOs11norFORE<-ugarchforecast(DJSOs11norFIT,n.ahead=181)  DJSOs11norFORE@forecast$sigma
DJSOs22norFORE<-ugarchforecast(DJSOs22norFIT,n.ahead=181)  DJSOs22norFORE@forecast$sigma
DJSOs12norFORE<-ugarchforecast(DJSOs12norFIT,n.ahead=181)  DJSOs12norFORE@forecast$sigma
DJSOs21norFORE<-ugarchforecast(DJSOs21norFIT,n.ahead=181)  DJSOs21norFORE@forecast$sigma
DJSOe11norFORE<-ugarchforecast(DJSOe11norFIT,n.ahead=181)  DJSOe11norFORE@forecast$sigma
DJSOe22norFORE<-ugarchforecast(DJSOe22norFIT,n.ahead=181)  DJSOe22norFORE@forecast$sigma
DJSOe12norFORE<-ugarchforecast(DJSOe12norFIT,n.ahead=181)  DJSOe12norFORE@forecast$sigma
DJSOe21norFORE<-ugarchforecast(DJSOe21norFIT,n.ahead=181)  DJSOe21norFORE@forecast$sigma
DJSOg11norFORE<-ugarchforecast(DJSOg11norFIT,n.ahead=181)  DJSOg11norFORE@forecast$sigma
DJSOg22norFORE<-ugarchforecast(DJSOg22norFIT,n.ahead=181)  DJSOg22norFORE@forecast$sigma
DJSOg12norFORE<-ugarchforecast(DJSOg12norFIT,n.ahead=181)  DJSOg12norFORE@forecast$sigma
DJSOg21norFORE<-ugarchforecast(DJSOg21norFIT,n.ahead=181)  DJSOg21norFORE@forecast$sigma
DJSOi11norFORE<-ugarchforecast(DJSOi11norFIT,n.ahead=181)  DJSOi11norFORE@forecast$sigma
DJSOi22norFORE<-ugarchforecast(DJSOi22norFIT,n.ahead=181)  DJSOi22norFORE@forecast$sigma
DJSOi12norFORE<-ugarchforecast(DJSOi12norFIT,n.ahead=181)  DJSOi12norFORE@forecast$sigma
DJSOi21norFORE<-ugarchforecast(DJSOi21norFIT,n.ahead=181)  DJSOi21norFORE@forecast$sigma
DJSOc11norFORE<-ugarchforecast(DJSOc11norFIT,n.ahead=181)  DJSOc11norFORE@forecast$sigma
DJSOc22norFORE<-ugarchforecast(DJSOc22norFIT,n.ahead=181)  DJSOc22norFORE@forecast$sigma
DJSOc12norFORE<-ugarchforecast(DJSOc12norFIT,n.ahead=181)  DJSOc12norFORE@forecast$sigma
DJSOc21norFORE<-ugarchforecast(DJSOc21norFIT,n.ahead=181)  DJSOc21norFORE@forecast$sigma

##Forestry and Paper Forecast                              ##Forestry and Paper Forecast
SEFPs11gedFORE<-ugarchforecast(SEFPs11gedFIT,n.ahead=181)  SEFPs11gedFORE@forecast$sigma
SEFPs22gedFORE<-ugarchforecast(SEFPs22gedFIT,n.ahead=181)  SEFPs22gedFORE@forecast$sigma
SEFPs12gedFORE<-ugarchforecast(SEFPs12gedFIT,n.ahead=181)  SEFPs12gedFORE@forecast$sigma
SEFPs21gedFORE<-ugarchforecast(SEFPs21gedFIT,n.ahead=181)  SEFPs21gedFORE@forecast$sigma
SEFPe11gedFORE<-ugarchforecast(SEFPe11gedFIT,n.ahead=181)  SEFPe11gedFORE@forecast$sigma
SEFPe22gedFORE<-ugarchforecast(SEFPe22gedFIT,n.ahead=181)  SEFPe22gedFORE@forecast$sigma
SEFPe12gedFORE<-ugarchforecast(SEFPe12gedFIT,n.ahead=181)  SEFPe12gedFORE@forecast$sigma
SEFPe21gedFORE<-ugarchforecast(SEFPe21gedFIT,n.ahead=181)  SEFPe21gedFORE@forecast$sigma
SEFPg11gedFORE<-ugarchforecast(SEFPg11gedFIT,n.ahead=181)  SEFPg11gedFORE@forecast$sigma
SEFPg22gedFORE<-ugarchforecast(SEFPg22gedFIT,n.ahead=181)  SEFPg22gedFORE@forecast$sigma
SEFPg12gedFORE<-ugarchforecast(SEFPg12gedFIT,n.ahead=181)  SEFPg12gedFORE@forecast$sigma
SEFPg21gedFORE<-ugarchforecast(SEFPg21gedFIT,n.ahead=181)  SEFPg21gedFORE@forecast$sigma
SEFPi11gedFORE<-ugarchforecast(SEFPi11gedFIT,n.ahead=181)  SEFPi11gedFORE@forecast$sigma
SEFPi22gedFORE<-ugarchforecast(SEFPi22gedFIT,n.ahead=181)  SEFPi22gedFORE@forecast$sigma
SEFPi12gedFORE<-ugarchforecast(SEFPi12gedFIT,n.ahead=181)  SEFPi12gedFORE@forecast$sigma
SEFPi21gedFORE<-ugarchforecast(SEFPi21gedFIT,n.ahead=181)  SEFPi21gedFORE@forecast$sigma
SEFPc11gedFORE<-ugarchforecast(SEFPc11gedFIT,n.ahead=181)  SEFPc11gedFORE@forecast$sigma
SEFPc22gedFORE<-ugarchforecast(SEFPc22gedFIT,n.ahead=181)  SEFPc22gedFORE@forecast$sigma
SEFPc12gedFORE<-ugarchforecast(SEFPc12gedFIT,n.ahead=181)  SEFPc12gedFORE@forecast$sigma
SEFPc21gedFORE<-ugarchforecast(SEFPc21gedFIT,n.ahead=181)  SEFPc21gedFORE@forecast$sigma

SEFPs11stdFORE<-ugarchforecast(SEFPs11stdFIT,n.ahead=181)  SEFPs11stdFORE@forecast$sigma
SEFPs22stdFORE<-ugarchforecast(SEFPs22stdFIT,n.ahead=181)  SEFPs22stdFORE@forecast$sigma
SEFPs12stdFORE<-ugarchforecast(SEFPs12stdFIT,n.ahead=181)  SEFPs12stdFORE@forecast$sigma
SEFPs21stdFORE<-ugarchforecast(SEFPs21stdFIT,n.ahead=181)  SEFPs21stdFORE@forecast$sigma
SEFPe11stdFORE<-ugarchforecast(SEFPe11stdFIT,n.ahead=181)  SEFPe11stdFORE@forecast$sigma
SEFPe22stdFORE<-ugarchforecast(SEFPe22stdFIT,n.ahead=181)  SEFPe22stdFORE@forecast$sigma
SEFPe12stdFORE<-ugarchforecast(SEFPe12stdFIT,n.ahead=181)  SEFPe12stdFORE@forecast$sigma
SEFPe21stdFORE<-ugarchforecast(SEFPe21stdFIT,n.ahead=181)  SEFPe21stdFORE@forecast$sigma
SEFPg11stdFORE<-ugarchforecast(SEFPg11stdFIT,n.ahead=181)  SEFPg11stdFORE@forecast$sigma
SEFPg22stdFORE<-ugarchforecast(SEFPg22stdFIT,n.ahead=181)  SEFPg22stdFORE@forecast$sigma
SEFPg12stdFORE<-ugarchforecast(SEFPg12stdFIT,n.ahead=181)  SEFPg12stdFORE@forecast$sigma
SEFPg21stdFORE<-ugarchforecast(SEFPg21stdFIT,n.ahead=181)  SEFPg21stdFORE@forecast$sigma
SEFPi11stdFORE<-ugarchforecast(SEFPi11stdFIT,n.ahead=181)  SEFPi11stdFORE@forecast$sigma
SEFPi22stdFORE<-ugarchforecast(SEFPi22stdFIT,n.ahead=181)  SEFPi22stdFORE@forecast$sigma
SEFPi12stdFORE<-ugarchforecast(SEFPi12stdFIT,n.ahead=181)  SEFPi12stdFORE@forecast$sigma
SEFPi21stdFORE<-ugarchforecast(SEFPi21stdFIT,n.ahead=181)  SEFPi21stdFORE@forecast$sigma
SEFPc11stdFORE<-ugarchforecast(SEFPc11stdFIT,n.ahead=181)  SEFPc11stdFORE@forecast$sigma
SEFPc22stdFORE<-ugarchforecast(SEFPc22stdFIT,n.ahead=181)  SEFPc22stdFORE@forecast$sigma
SEFPc12stdFORE<-ugarchforecast(SEFPc12stdFIT,n.ahead=181)  SEFPc12stdFORE@forecast$sigma
SEFPc21stdFORE<-ugarchforecast(SEFPc21stdFIT,n.ahead=181)  SEFPc21stdFORE@forecast$sigma

SEFPs11norFORE<-ugarchforecast(SEFPs11norFIT,n.ahead=181)  SEFPs11norFORE@forecast$sigma
SEFPs22norFORE<-ugarchforecast(SEFPs22norFIT,n.ahead=181)  SEFPs22norFORE@forecast$sigma
SEFPs12norFORE<-ugarchforecast(SEFPs12norFIT,n.ahead=181)  SEFPs12norFORE@forecast$sigma
SEFPs21norFORE<-ugarchforecast(SEFPs21norFIT,n.ahead=181)  SEFPs21norFORE@forecast$sigma
SEFPe11norFORE<-ugarchforecast(SEFPe11norFIT,n.ahead=181)  SEFPe11norFORE@forecast$sigma
SEFPe22norFORE<-ugarchforecast(SEFPe22norFIT,n.ahead=181)  SEFPe22norFORE@forecast$sigma
SEFPe12norFORE<-ugarchforecast(SEFPe12norFIT,n.ahead=181)  SEFPe12norFORE@forecast$sigma
SEFPe21norFORE<-ugarchforecast(SEFPe21norFIT,n.ahead=181)  SEFPe21norFORE@forecast$sigma
SEFPg11norFORE<-ugarchforecast(SEFPg11norFIT,n.ahead=181)  SEFPg11norFORE@forecast$sigma
SEFPg22norFORE<-ugarchforecast(SEFPg22norFIT,n.ahead=181)  SEFPg22norFORE@forecast$sigma
SEFPg12norFORE<-ugarchforecast(SEFPg12norFIT,n.ahead=181)  SEFPg12norFORE@forecast$sigma
SEFPg21norFORE<-ugarchforecast(SEFPg21norFIT,n.ahead=181)  SEFPg21norFORE@forecast$sigma
SEFPi11norFORE<-ugarchforecast(SEFPi11norFIT,n.ahead=181)  SEFPi11norFORE@forecast$sigma
SEFPi22norFORE<-ugarchforecast(SEFPi22norFIT,n.ahead=181)  SEFPi22norFORE@forecast$sigma
SEFPi12norFORE<-ugarchforecast(SEFPi12norFIT,n.ahead=181)  SEFPi12norFORE@forecast$sigma
SEFPi21norFORE<-ugarchforecast(SEFPi21norFIT,n.ahead=181)  SEFPi21norFORE@forecast$sigma
SEFPc11norFORE<-ugarchforecast(SEFPc11norFIT,n.ahead=181)  SEFPc11norFORE@forecast$sigma
SEFPc22norFORE<-ugarchforecast(SEFPc22norFIT,n.ahead=181)  SEFPc22norFORE@forecast$sigma
SEFPc12norFORE<-ugarchforecast(SEFPc12norFIT,n.ahead=181)  SEFPc12norFORE@forecast$sigma
SEFPc21norFORE<-ugarchforecast(SEFPc21norFIT,n.ahead=181)  SEFPc21norFORE@forecast$sigma

##Electricity Forecast                                     ##Electricity Forecast
SEECs11gedFORE<-ugarchforecast(SEECs11gedFIT,n.ahead=181)  SEECs11gedFORE@forecast$sigma
SEECs22gedFORE<-ugarchforecast(SEECs22gedFIT,n.ahead=181)  SEECs22gedFORE@forecast$sigma
SEECs12gedFORE<-ugarchforecast(SEECs12gedFIT,n.ahead=181)  SEECs12gedFORE@forecast$sigma
SEECs21gedFORE<-ugarchforecast(SEECs21gedFIT,n.ahead=181)  SEECs21gedFORE@forecast$sigma
SEECe11gedFORE<-ugarchforecast(SEECe11gedFIT,n.ahead=181)  SEECe11gedFORE@forecast$sigma
SEECe22gedFORE<-ugarchforecast(SEECe22gedFIT,n.ahead=181)  SEECe22gedFORE@forecast$sigma
SEECe12gedFORE<-ugarchforecast(SEECe12gedFIT,n.ahead=181)  SEECe12gedFORE@forecast$sigma
SEECe21gedFORE<-ugarchforecast(SEECe21gedFIT,n.ahead=181)  SEECe21gedFORE@forecast$sigma
SEECg11gedFORE<-ugarchforecast(SEECg11gedFIT,n.ahead=181)  SEECg11gedFORE@forecast$sigma
SEECg22gedFORE<-ugarchforecast(SEECg22gedFIT,n.ahead=181)  SEECg22gedFORE@forecast$sigma
SEECg12gedFORE<-ugarchforecast(SEECg12gedFIT,n.ahead=181)  SEECg12gedFORE@forecast$sigma
SEECg21gedFORE<-ugarchforecast(SEECg21gedFIT,n.ahead=181)  SEECg21gedFORE@forecast$sigma
SEECi11gedFORE<-ugarchforecast(SEECi11gedFIT,n.ahead=181)  SEECi11gedFORE@forecast$sigma
SEECi22gedFORE<-ugarchforecast(SEECi22gedFIT,n.ahead=181)  SEECi22gedFORE@forecast$sigma
SEECi12gedFORE<-ugarchforecast(SEECi12gedFIT,n.ahead=181)  SEECi12gedFORE@forecast$sigma
```

```
SEECi21gedFORE<-ugarchforecast(SEECi21gedFIT,n.ahead=181)  SEECi21gedFORE@forecast$sigma
SEECc11gedFORE<-ugarchforecast(SEECc11gedFIT,n.ahead=181)  SEECc11gedFORE@forecast$sigma
SEECc22gedFORE<-ugarchforecast(SEECc22gedFIT,n.ahead=181)  SEECc22gedFORE@forecast$sigma
SEECc12gedFORE<-ugarchforecast(SEECc12gedFIT,n.ahead=181)  SEECc12gedFORE@forecast$sigma
SEECc21gedFORE<-ugarchforecast(SEECc21gedFIT,n.ahead=181)  SEECc21gedFORE@forecast$sigma

SEECs11stdFORE<-ugarchforecast(SEECs11stdFIT,n.ahead=181)  SEECs11stdFORE@forecast$sigma
SEECs22stdFORE<-ugarchforecast(SEECs22stdFIT,n.ahead=181)  SEECs22stdFORE@forecast$sigma
SEECs12stdFORE<-ugarchforecast(SEECs12stdFIT,n.ahead=181)  SEECs12stdFORE@forecast$sigma
SEECs21stdFORE<-ugarchforecast(SEECs21stdFIT,n.ahead=181)  SEECs21stdFORE@forecast$sigma
SEECe11stdFORE<-ugarchforecast(SEECe11stdFIT,n.ahead=181)  SEECe11stdFORE@forecast$sigma
SEECe22stdFORE<-ugarchforecast(SEECe22stdFIT,n.ahead=181)  SEECe22stdFORE@forecast$sigma
SEECe12stdFORE<-ugarchforecast(SEECe12stdFIT,n.ahead=181)  SEECe12stdFORE@forecast$sigma
SEECe21stdFORE<-ugarchforecast(SEECe21stdFIT,n.ahead=181)  SEECe21stdFORE@forecast$sigma
SEECg11stdFORE<-ugarchforecast(SEECg11stdFIT,n.ahead=181)  SEECg11stdFORE@forecast$sigma
SEECg22stdFORE<-ugarchforecast(SEECg22stdFIT,n.ahead=181)  SEECg22stdFORE@forecast$sigma
SEECg12stdFORE<-ugarchforecast(SEECg12stdFIT,n.ahead=181)  SEECg12stdFORE@forecast$sigma
SEECg21stdFORE<-ugarchforecast(SEECg21stdFIT,n.ahead=181)  SEECg21stdFORE@forecast$sigma
SEECi11stdFORE<-ugarchforecast(SEECi11stdFIT,n.ahead=181)  SEECi11stdFORE@forecast$sigma
SEECi22stdFORE<-ugarchforecast(SEECi22stdFIT,n.ahead=181)  SEECi22stdFORE@forecast$sigma
SEECi12stdFORE<-ugarchforecast(SEECi12stdFIT,n.ahead=181)  SEECi12stdFORE@forecast$sigma
SEECi21stdFORE<-ugarchforecast(SEECi21stdFIT,n.ahead=181)  SEECi21stdFORE@forecast$sigma
SEECc11stdFORE<-ugarchforecast(SEECc11stdFIT,n.ahead=181)  SEECc11stdFORE@forecast$sigma
SEECc22stdFORE<-ugarchforecast(SEECc22stdFIT,n.ahead=181)  SEECc22stdFORE@forecast$sigma
SEECc12stdFORE<-ugarchforecast(SEECc12stdFIT,n.ahead=181)  SEECc12stdFORE@forecast$sigma
SEECc21stdFORE<-ugarchforecast(SEECc21stdFIT,n.ahead=181)  SEECc21stdFORE@forecast$sigma

SEECs11norFORE<-ugarchforecast(SEECs11norFIT,n.ahead=181)  SEECs11norFORE@forecast$sigma
SEECs22norFORE<-ugarchforecast(SEECs22norFIT,n.ahead=181)  SEECs22norFORE@forecast$sigma
SEECs12norFORE<-ugarchforecast(SEECs12norFIT,n.ahead=181)  SEECs12norFORE@forecast$sigma
SEECs21norFORE<-ugarchforecast(SEECs21norFIT,n.ahead=181)  SEECs21norFORE@forecast$sigma
SEECe11norFORE<-ugarchforecast(SEECe11norFIT,n.ahead=181)  SEECe11norFORE@forecast$sigma
SEECe22norFORE<-ugarchforecast(SEECe22norFIT,n.ahead=181)  SEECe22norFORE@forecast$sigma
SEECe12norFORE<-ugarchforecast(SEECe12norFIT,n.ahead=181)  SEECe12norFORE@forecast$sigma
SEECe21norFORE<-ugarchforecast(SEECe21norFIT,n.ahead=181)  SEECe21norFORE@forecast$sigma
SEECg11norFORE<-ugarchforecast(SEECg11norFIT,n.ahead=181)  SEECg11norFORE@forecast$sigma
SEECg22norFORE<-ugarchforecast(SEECg22norFIT,n.ahead=181)  SEECg22norFORE@forecast$sigma
SEECg12norFORE<-ugarchforecast(SEECg12norFIT,n.ahead=181)  SEECg12norFORE@forecast$sigma
SEECg21norFORE<-ugarchforecast(SEECg21norFIT,n.ahead=181)  SEECg21norFORE@forecast$sigma
SEECi11norFORE<-ugarchforecast(SEECi11norFIT,n.ahead=181)  SEECi11norFORE@forecast$sigma
SEECi22norFORE<-ugarchforecast(SEECi22norFIT,n.ahead=181)  SEECi22norFORE@forecast$sigma
SEECi12norFORE<-ugarchforecast(SEECi12norFIT,n.ahead=181)  SEECi12norFORE@forecast$sigma
SEECi21norFORE<-ugarchforecast(SEECi21norFIT,n.ahead=181)  SEECi21norFORE@forecast$sigma
SEECc11norFORE<-ugarchforecast(SEECc11norFIT,n.ahead=181)  SEECc11norFORE@forecast$sigma
SEECc22norFORE<-ugarchforecast(SEECc22norFIT,n.ahead=181)  SEECc22norFORE@forecast$sigma
SEECc12norFORE<-ugarchforecast(SEECc12norFIT,n.ahead=181)  SEECc12norFORE@forecast$sigma
SEECc21norFORE<-ugarchforecast(SEECc21norFIT,n.ahead=181)  SEECc21norFORE@forecast$sigma

##Fixed Line Forecast                                      ##Fixed Line Forecast
SEFLs11gedFORE<-ugarchforecast(SEFLs11gedFIT,n.ahead=181)  SEFLs11gedFORE@forecast$sigma
SEFLs22gedFORE<-ugarchforecast(SEFLs22gedFIT,n.ahead=181)  SEFLs22gedFORE@forecast$sigma
SEFLs12gedFORE<-ugarchforecast(SEFLs12gedFIT,n.ahead=181)  SEFLs12gedFORE@forecast$sigma
SEFLs21gedFORE<-ugarchforecast(SEFLs21gedFIT,n.ahead=181)  SEFLs21gedFORE@forecast$sigma
SEFLe11gedFORE<-ugarchforecast(SEFLe11gedFIT,n.ahead=181)  SEFLe11gedFORE@forecast$sigma
SEFLe22gedFORE<-ugarchforecast(SEFLe22gedFIT,n.ahead=181)  SEFLe22gedFORE@forecast$sigma
SEFLe12gedFORE<-ugarchforecast(SEFLe12gedFIT,n.ahead=181)  SEFLe12gedFORE@forecast$sigma
SEFLe21gedFORE<-ugarchforecast(SEFLe21gedFIT,n.ahead=181)  SEFLe21gedFORE@forecast$sigma
SEFLg11gedFORE<-ugarchforecast(SEFLg11gedFIT,n.ahead=181)  SEFLg11gedFORE@forecast$sigma
SEFLg22gedFORE<-ugarchforecast(SEFLg22gedFIT,n.ahead=181)  SEFLg22gedFORE@forecast$sigma
SEFLg12gedFORE<-ugarchforecast(SEFLg12gedFIT,n.ahead=181)  SEFLg12gedFORE@forecast$sigma
SEFLg21gedFORE<-ugarchforecast(SEFLg21gedFIT,n.ahead=181)  SEFLg21gedFORE@forecast$sigma
SEFLi11gedFORE<-ugarchforecast(SEFLi11gedFIT,n.ahead=181)  SEFLi11gedFORE@forecast$sigma
SEFLi22gedFORE<-ugarchforecast(SEFLi22gedFIT,n.ahead=181)  SEFLi22gedFORE@forecast$sigma
SEFLi12gedFORE<-ugarchforecast(SEFLi12gedFIT,n.ahead=181)  SEFLi12gedFORE@forecast$sigma
SEFLi21gedFORE<-ugarchforecast(SEFLi21gedFIT,n.ahead=181)  SEFLi21gedFORE@forecast$sigma
SEFLc11gedFORE<-ugarchforecast(SEFLc11gedFIT,n.ahead=181)  SEFLc11gedFORE@forecast$sigma
SEFLc22gedFORE<-ugarchforecast(SEFLc22gedFIT,n.ahead=181)  SEFLc22gedFORE@forecast$sigma
SEFLc12gedFORE<-ugarchforecast(SEFLc12gedFIT,n.ahead=181)  SEFLc12gedFORE@forecast$sigma
SEFLc21gedFORE<-ugarchforecast(SEFLc21gedFIT,n.ahead=181)  SEFLc21gedFORE@forecast$sigma

SEFLs11stdFORE<-ugarchforecast(SEFLs11stdFIT,n.ahead=181)  SEFLs11stdFORE@forecast$sigma
SEFLs22stdFORE<-ugarchforecast(SEFLs22stdFIT,n.ahead=181)  SEFLs22stdFORE@forecast$sigma
SEFLs12stdFORE<-ugarchforecast(SEFLs12stdFIT,n.ahead=181)  SEFLs12stdFORE@forecast$sigma
SEFLs21stdFORE<-ugarchforecast(SEFLs21stdFIT,n.ahead=181)  SEFLs21stdFORE@forecast$sigma
SEFLe11stdFORE<-ugarchforecast(SEFLe11stdFIT,n.ahead=181)  SEFLe11stdFORE@forecast$sigma
SEFLe22stdFORE<-ugarchforecast(SEFLe22stdFIT,n.ahead=181)  SEFLe22stdFORE@forecast$sigma
SEFLe12stdFORE<-ugarchforecast(SEFLe12stdFIT,n.ahead=181)  SEFLe12stdFORE@forecast$sigma
SEFLe21stdFORE<-ugarchforecast(SEFLe21stdFIT,n.ahead=181)  SEFLe21stdFORE@forecast$sigma
SEFLg11stdFORE<-ugarchforecast(SEFLg11stdFIT,n.ahead=181)  SEFLg11stdFORE@forecast$sigma
SEFLg22stdFORE<-ugarchforecast(SEFLg22stdFIT,n.ahead=181)  SEFLg22stdFORE@forecast$sigma
SEFLg12stdFORE<-ugarchforecast(SEFLg12stdFIT,n.ahead=181)  SEFLg12stdFORE@forecast$sigma
SEFLg21stdFORE<-ugarchforecast(SEFLg21stdFIT,n.ahead=181)  SEFLg21stdFORE@forecast$sigma
SEFLi11stdFORE<-ugarchforecast(SEFLi11stdFIT,n.ahead=181)  SEFLi11stdFORE@forecast$sigma
SEFLi22stdFORE<-ugarchforecast(SEFLi22stdFIT,n.ahead=181)  SEFLi22stdFORE@forecast$sigma
SEFLi12stdFORE<-ugarchforecast(SEFLi12stdFIT,n.ahead=181)  SEFLi12stdFORE@forecast$sigma
SEFLi21stdFORE<-ugarchforecast(SEFLi21stdFIT,n.ahead=181)  SEFLi21stdFORE@forecast$sigma
SEFLc11stdFORE<-ugarchforecast(SEFLc11stdFIT,n.ahead=181)  SEFLc11stdFORE@forecast$sigma
SEFLc22stdFORE<-ugarchforecast(SEFLc22stdFIT,n.ahead=181)  SEFLc22stdFORE@forecast$sigma
SEFLc12stdFORE<-ugarchforecast(SEFLc12stdFIT,n.ahead=181)  SEFLc12stdFORE@forecast$sigma
SEFLc21stdFORE<-ugarchforecast(SEFLc21stdFIT,n.ahead=181)  SEFLc21stdFORE@forecast$sigma

SEFLs11norFORE<-ugarchforecast(SEFLs11norFIT,n.ahead=181)  SEFLs11norFORE@forecast$sigma
SEFLs22norFORE<-ugarchforecast(SEFLs22norFIT,n.ahead=181)  SEFLs22norFORE@forecast$sigma
SEFLs12norFORE<-ugarchforecast(SEFLs12norFIT,n.ahead=181)  SEFLs12norFORE@forecast$sigma
SEFLs21norFORE<-ugarchforecast(SEFLs21norFIT,n.ahead=181)  SEFLs21norFORE@forecast$sigma
SEFLe11norFORE<-ugarchforecast(SEFLe11norFIT,n.ahead=181)  SEFLe11norFORE@forecast$sigma
SEFLe22norFORE<-ugarchforecast(SEFLe22norFIT,n.ahead=181)  SEFLe22norFORE@forecast$sigma
SEFLe12norFORE<-ugarchforecast(SEFLe12norFIT,n.ahead=181)  SEFLe12norFORE@forecast$sigma
SEFLe21norFORE<-ugarchforecast(SEFLe21norFIT,n.ahead=181)  SEFLe21norFORE@forecast$sigma
SEFLg11norFORE<-ugarchforecast(SEFLg11norFIT,n.ahead=181)  SEFLg11norFORE@forecast$sigma
SEFLg22norFORE<-ugarchforecast(SEFLg22norFIT,n.ahead=181)  SEFLg22norFORE@forecast$sigma
SEFLg12norFORE<-ugarchforecast(SEFLg12norFIT,n.ahead=181)  SEFLg12norFORE@forecast$sigma
SEFLg21norFORE<-ugarchforecast(SEFLg21norFIT,n.ahead=181)  SEFLg21norFORE@forecast$sigma
SEFLi11norFORE<-ugarchforecast(SEFLi11norFIT,n.ahead=181)  SEFLi11norFORE@forecast$sigma
SEFLi22norFORE<-ugarchforecast(SEFLi22norFIT,n.ahead=181)  SEFLi22norFORE@forecast$sigma
SEFLi12norFORE<-ugarchforecast(SEFLi12norFIT,n.ahead=181)  SEFLi12norFORE@forecast$sigma
SEFLi21norFORE<-ugarchforecast(SEFLi21norFIT,n.ahead=181)  SEFLi21norFORE@forecast$sigma
SEFLc11norFORE<-ugarchforecast(SEFLc11norFIT,n.ahead=181)  SEFLc11norFORE@forecast$sigma
SEFLc22norFORE<-ugarchforecast(SEFLc22norFIT,n.ahead=181)  SEFLc22norFORE@forecast$sigma
SEFLc12norFORE<-ugarchforecast(SEFLc12norFIT,n.ahead=181)  SEFLc12norFORE@forecast$sigma
SEFLc21norFORE<-ugarchforecast(SEFLc21norFIT,n.ahead=181)  SEFLc21norFORE@forecast$sigma

##Gas Water Forecast                                       ##Gas Water Forecast
SEUTs11gedFORE<-ugarchforecast(SEUTs11gedFIT,n.ahead=181)  SEUTs11gedFORE@forecast$sigma
SEUTs22gedFORE<-ugarchforecast(SEUTs22gedFIT,n.ahead=181)  SEUTs22gedFORE@forecast$sigma
SEUTs12gedFORE<-ugarchforecast(SEUTs12gedFIT,n.ahead=181)  SEUTs12gedFORE@forecast$sigma
SEUTs21gedFORE<-ugarchforecast(SEUTs21gedFIT,n.ahead=181)  SEUTs21gedFORE@forecast$sigma
SEUTe11gedFORE<-ugarchforecast(SEUTe11gedFIT,n.ahead=181)  SEUTe11gedFORE@forecast$sigma
SEUTe22gedFORE<-ugarchforecast(SEUTe22gedFIT,n.ahead=181)  SEUTe22gedFORE@forecast$sigma
SEUTe12gedFORE<-ugarchforecast(SEUTe12gedFIT,n.ahead=181)  SEUTe12gedFORE@forecast$sigma
SEUTe21gedFORE<-ugarchforecast(SEUTe21gedFIT,n.ahead=181)  SEUTe21gedFORE@forecast$sigma
SEUTg11gedFORE<-ugarchforecast(SEUTg11gedFIT,n.ahead=181)  SEUTg11gedFORE@forecast$sigma
SEUTg22gedFORE<-ugarchforecast(SEUTg22gedFIT,n.ahead=181)  SEUTg22gedFORE@forecast$sigma
SEUTg12gedFORE<-ugarchforecast(SEUTg12gedFIT,n.ahead=181)  SEUTg12gedFORE@forecast$sigma
SEUTg21gedFORE<-ugarchforecast(SEUTg21gedFIT,n.ahead=181)  SEUTg21gedFORE@forecast$sigma
SEUTi11gedFORE<-ugarchforecast(SEUTi11gedFIT,n.ahead=181)  SEUTi11gedFORE@forecast$sigma
SEUTi22gedFORE<-ugarchforecast(SEUTi22gedFIT,n.ahead=181)  SEUTi22gedFORE@forecast$sigma
SEUTi12gedFORE<-ugarchforecast(SEUTi12gedFIT,n.ahead=181)  SEUTi12gedFORE@forecast$sigma
SEUTi21gedFORE<-ugarchforecast(SEUTi21gedFIT,n.ahead=181)  SEUTi21gedFORE@forecast$sigma
SEUTc11gedFORE<-ugarchforecast(SEUTc11gedFIT,n.ahead=181)  SEUTc11gedFORE@forecast$sigma
SEUTc22gedFORE<-ugarchforecast(SEUTc22gedFIT,n.ahead=181)  SEUTc22gedFORE@forecast$sigma
SEUTc12gedFORE<-ugarchforecast(SEUTc12gedFIT,n.ahead=181)  SEUTc12gedFORE@forecast$sigma
SEUTc21gedFORE<-ugarchforecast(SEUTc21gedFIT,n.ahead=181)  SEUTc21gedFORE@forecast$sigma

SEUTs11stdFORE<-ugarchforecast(SEUTs11stdFIT,n.ahead=181)  SEUTs11stdFORE@forecast$sigma
SEUTs22stdFORE<-ugarchforecast(SEUTs22stdFIT,n.ahead=181)  SEUTs22stdFORE@forecast$sigma
SEUTs12stdFORE<-ugarchforecast(SEUTs12stdFIT,n.ahead=181)  SEUTs12stdFORE@forecast$sigma
SEUTs21stdFORE<-ugarchforecast(SEUTs21stdFIT,n.ahead=181)  SEUTs21stdFORE@forecast$sigma
SEUTe11stdFORE<-ugarchforecast(SEUTe11stdFIT,n.ahead=181)  SEUTe11stdFORE@forecast$sigma
SEUTe22stdFORE<-ugarchforecast(SEUTe22stdFIT,n.ahead=181)  SEUTe22stdFORE@forecast$sigma
SEUTe12stdFORE<-ugarchforecast(SEUTe12stdFIT,n.ahead=181)  SEUTe12stdFORE@forecast$sigma
SEUTe21stdFORE<-ugarchforecast(SEUTe21stdFIT,n.ahead=181)  SEUTe21stdFORE@forecast$sigma
SEUTg11stdFORE<-ugarchforecast(SEUTg11stdFIT,n.ahead=181)  SEUTg11stdFORE@forecast$sigma
SEUTg22stdFORE<-ugarchforecast(SEUTg22stdFIT,n.ahead=181)  SEUTg22stdFORE@forecast$sigma
SEUTg12stdFORE<-ugarchforecast(SEUTg12stdFIT,n.ahead=181)  SEUTg12stdFORE@forecast$sigma
SEUTg21stdFORE<-ugarchforecast(SEUTg21stdFIT,n.ahead=181)  SEUTg21stdFORE@forecast$sigma
SEUTi11stdFORE<-ugarchforecast(SEUTi11stdFIT,n.ahead=181)  SEUTi11stdFORE@forecast$sigma
SEUTi22stdFORE<-ugarchforecast(SEUTi22stdFIT,n.ahead=181)  SEUTi22stdFORE@forecast$sigma
SEUTi12stdFORE<-ugarchforecast(SEUTi12stdFIT,n.ahead=181)  SEUTi12stdFORE@forecast$sigma
SEUTi21stdFORE<-ugarchforecast(SEUTi21stdFIT,n.ahead=181)  SEUTi21stdFORE@forecast$sigma
SEUTc11stdFORE<-ugarchforecast(SEUTc11stdFIT,n.ahead=181)  SEUTc11stdFORE@forecast$sigma
SEUTc22stdFORE<-ugarchforecast(SEUTc22stdFIT,n.ahead=181)  SEUTc22stdFORE@forecast$sigma
SEUTc12stdFORE<-ugarchforecast(SEUTc12stdFIT,n.ahead=181)  SEUTc12stdFORE@forecast$sigma
SEUTc21stdFORE<-ugarchforecast(SEUTc21stdFIT,n.ahead=181)  SEUTc21stdFORE@forecast$sigma

SEUTs11norFORE<-ugarchforecast(SEUTs11norFIT,n.ahead=181)  SEUTs11norFORE@forecast$sigma
SEUTs22norFORE<-ugarchforecast(SEUTs22norFIT,n.ahead=181)  SEUTs22norFORE@forecast$sigma
SEUTs12norFORE<-ugarchforecast(SEUTs12norFIT,n.ahead=181)  SEUTs12norFORE@forecast$sigma
SEUTs21norFORE<-ugarchforecast(SEUTs21norFIT,n.ahead=181)  SEUTs21norFORE@forecast$sigma
SEUTe11norFORE<-ugarchforecast(SEUTe11norFIT,n.ahead=181)  SEUTe11norFORE@forecast$sigma
SEUTe22norFORE<-ugarchforecast(SEUTe22norFIT,n.ahead=181)  SEUTe22norFORE@forecast$sigma
SEUTe12norFORE<-ugarchforecast(SEUTe12norFIT,n.ahead=181)  SEUTe12norFORE@forecast$sigma
SEUTe21norFORE<-ugarchforecast(SEUTe21norFIT,n.ahead=181)  SEUTe21norFORE@forecast$sigma
SEUTg11norFORE<-ugarchforecast(SEUTg11norFIT,n.ahead=181)  SEUTg11norFORE@forecast$sigma
SEUTg22norFORE<-ugarchforecast(SEUTg22norFIT,n.ahead=181)  SEUTg22norFORE@forecast$sigma
SEUTg12norFORE<-ugarchforecast(SEUTg12norFIT,n.ahead=181)  SEUTg12norFORE@forecast$sigma
SEUTg21norFORE<-ugarchforecast(SEUTg21norFIT,n.ahead=181)  SEUTg21norFORE@forecast$sigma
SEUTi11norFORE<-ugarchforecast(SEUTi11norFIT,n.ahead=181)  SEUTi11norFORE@forecast$sigma
SEUTi22norFORE<-ugarchforecast(SEUTi22norFIT,n.ahead=181)  SEUTi22norFORE@forecast$sigma
SEUTi12norFORE<-ugarchforecast(SEUTi12norFIT,n.ahead=181)  SEUTi12norFORE@forecast$sigma
SEUTi21norFORE<-ugarchforecast(SEUTi21norFIT,n.ahead=181)  SEUTi21norFORE@forecast$sigma
SEUTc11norFORE<-ugarchforecast(SEUTc11norFIT,n.ahead=181)  SEUTc11norFORE@forecast$sigma
SEUTc22norFORE<-ugarchforecast(SEUTc22norFIT,n.ahead=181)  SEUTc22norFORE@forecast$sigma
SEUTc12norFORE<-ugarchforecast(SEUTc12norFIT,n.ahead=181)  SEUTc12norFORE@forecast$sigma
SEUTc21norFORE<-ugarchforecast(SEUTc21norFIT,n.ahead=181)  SEUTc21norFORE@forecast$sigma

##Industrial Transportation Forecast                       ##Industrial Transportation Forecast
SETRs11gedFORE<-ugarchforecast(SETRs11gedFIT,n.ahead=181)  SETRs11gedFORE@forecast$sigma
SETRs22gedFORE<-ugarchforecast(SETRs22gedFIT,n.ahead=181)  SETRs22gedFORE@forecast$sigma
SETRs12gedFORE<-ugarchforecast(SETRs12gedFIT,n.ahead=181)  SETRs12gedFORE@forecast$sigma
SETRs21gedFORE<-ugarchforecast(SETRs21gedFIT,n.ahead=181)  SETRs21gedFORE@forecast$sigma
SETRe11gedFORE<-ugarchforecast(SETRe11gedFIT,n.ahead=181)  SETRe11gedFORE@forecast$sigma
SETRe22gedFORE<-ugarchforecast(SETRe22gedFIT,n.ahead=181)  SETRe22gedFORE@forecast$sigma
SETRe12gedFORE<-ugarchforecast(SETRe12gedFIT,n.ahead=181)  SETRe12gedFORE@forecast$sigma
SETRe21gedFORE<-ugarchforecast(SETRe21gedFIT,n.ahead=181)  SETRe21gedFORE@forecast$sigma
SETRg11gedFORE<-ugarchforecast(SETRg11gedFIT,n.ahead=181)  SETRg11gedFORE@forecast$sigma
SETRg22gedFORE<-ugarchforecast(SETRg22gedFIT,n.ahead=181)  SETRg22gedFORE@forecast$sigma
SETRg12gedFORE<-ugarchforecast(SETRg12gedFIT,n.ahead=181)  SETRg12gedFORE@forecast$sigma
SETRg21gedFORE<-ugarchforecast(SETRg21gedFIT,n.ahead=181)  SETRg21gedFORE@forecast$sigma
SETRi11gedFORE<-ugarchforecast(SETRi11gedFIT,n.ahead=181)  SETRi11gedFORE@forecast$sigma
SETRi22gedFORE<-ugarchforecast(SETRi22gedFIT,n.ahead=181)  SETRi22gedFORE@forecast$sigma
SETRi12gedFORE<-ugarchforecast(SETRi12gedFIT,n.ahead=181)  SETRi12gedFORE@forecast$sigma
SETRi21gedFORE<-ugarchforecast(SETRi21gedFIT,n.ahead=181)  SETRi21gedFORE@forecast$sigma
SETRc11gedFORE<-ugarchforecast(SETRc11gedFIT,n.ahead=181)  SETRc11gedFORE@forecast$sigma
SETRc22gedFORE<-ugarchforecast(SETRc22gedFIT,n.ahead=181)  SETRc22gedFORE@forecast$sigma
```

```
SETRc12gedFORE<-ugarchforecast(SETRc12gedFIT,n.ahead=181)  SETRc12gedFORE@forecast$sigma
SETRc21gedFORE<-ugarchforecast(SETRc21gedFIT,n.ahead=181)  SETRc21gedFORE@forecast$sigma

SETRs11stdFORE<-ugarchforecast(SETRs11stdFIT,n.ahead=181)  SETRs11stdFORE@forecast$sigma
SETRs22stdFORE<-ugarchforecast(SETRs22stdFIT,n.ahead=181)  SETRs22stdFORE@forecast$sigma
SETRs12stdFORE<-ugarchforecast(SETRs12stdFIT,n.ahead=181)  SETRs12stdFORE@forecast$sigma
SETRs21stdFORE<-ugarchforecast(SETRs21stdFIT,n.ahead=181)  SETRs21stdFORE@forecast$sigma
SETRe11stdFORE<-ugarchforecast(SETRe11stdFIT,n.ahead=181)  SETRe11stdFORE@forecast$sigma
SETRe22stdFORE<-ugarchforecast(SETRe22stdFIT,n.ahead=181)  SETRe22stdFORE@forecast$sigma
SETRe12stdFORE<-ugarchforecast(SETRe12stdFIT,n.ahead=181)  SETRe12stdFORE@forecast$sigma
SETRe21stdFORE<-ugarchforecast(SETRe21stdFIT,n.ahead=181)  SETRe21stdFORE@forecast$sigma
SETRg11stdFORE<-ugarchforecast(SETRg11stdFIT,n.ahead=181)  SETRg11stdFORE@forecast$sigma
SETRg22stdFORE<-ugarchforecast(SETRg22stdFIT,n.ahead=181)  SETRg22stdFORE@forecast$sigma
SETRg12stdFORE<-ugarchforecast(SETRg12stdFIT,n.ahead=181)  SETRg12stdFORE@forecast$sigma
SETRg21stdFORE<-ugarchforecast(SETRg21stdFIT,n.ahead=181)  SETRg21stdFORE@forecast$sigma
SETRi11stdFORE<-ugarchforecast(SETRi11stdFIT,n.ahead=181)  SETRi11stdFORE@forecast$sigma
SETRi22stdFORE<-ugarchforecast(SETRi22stdFIT,n.ahead=181)  SETRi22stdFORE@forecast$sigma
SETRi12stdFORE<-ugarchforecast(SETRi12stdFIT,n.ahead=181)  SETRi12stdFORE@forecast$sigma
SETRi21stdFORE<-ugarchforecast(SETRi21stdFIT,n.ahead=181)  SETRi21stdFORE@forecast$sigma
SETRc11stdFORE<-ugarchforecast(SETRc11stdFIT,n.ahead=181)  SETRc11stdFORE@forecast$sigma
SETRc22stdFORE<-ugarchforecast(SETRc22stdFIT,n.ahead=181)  SETRc22stdFORE@forecast$sigma
SETRc12stdFORE<-ugarchforecast(SETRc12stdFIT,n.ahead=181)  SETRc12stdFORE@forecast$sigma
SETRc21stdFORE<-ugarchforecast(SETRc21stdFIT,n.ahead=181)  SETRc21stdFORE@forecast$sigma

SETRs11norFORE<-ugarchforecast(SETRs11norFIT,n.ahead=181)  SETRs11norFORE@forecast$sigma
SETRs22norFORE<-ugarchforecast(SETRs22norFIT,n.ahead=181)  SETRs22norFORE@forecast$sigma
SETRs12norFORE<-ugarchforecast(SETRs12norFIT,n.ahead=181)  SETRs12norFORE@forecast$sigma
SETRs21norFORE<-ugarchforecast(SETRs21norFIT,n.ahead=181)  SETRs21norFORE@forecast$sigma
SETRe11norFORE<-ugarchforecast(SETRe11norFIT,n.ahead=181)  SETRe11norFORE@forecast$sigma
SETRe22norFORE<-ugarchforecast(SETRe22norFIT,n.ahead=181)  SETRe22norFORE@forecast$sigma
SETRe12norFORE<-ugarchforecast(SETRe12norFIT,n.ahead=181)  SETRe12norFORE@forecast$sigma
SETRe21norFORE<-ugarchforecast(SETRe21norFIT,n.ahead=181)  SETRe21norFORE@forecast$sigma
SETRg11norFORE<-ugarchforecast(SETRg11norFIT,n.ahead=181)  SETRg11norFORE@forecast$sigma
SETRg22norFORE<-ugarchforecast(SETRg22norFIT,n.ahead=181)  SETRg22norFORE@forecast$sigma
SETRg12norFORE<-ugarchforecast(SETRg12norFIT,n.ahead=181)  SETRg12norFORE@forecast$sigma
SETRg21norFORE<-ugarchforecast(SETRg21norFIT,n.ahead=181)  SETRg21norFORE@forecast$sigma
SETRi11norFORE<-ugarchforecast(SETRi11norFIT,n.ahead=181)  SETRi11norFORE@forecast$sigma
SETRi22norFORE<-ugarchforecast(SETRi22norFIT,n.ahead=181)  SETRi22norFORE@forecast$sigma
SETRi12norFORE<-ugarchforecast(SETRi12norFIT,n.ahead=181)  SETRi12norFORE@forecast$sigma
SETRi21norFORE<-ugarchforecast(SETRi21norFIT,n.ahead=181)  SETRi21norFORE@forecast$sigma
SETRc11norFORE<-ugarchforecast(SETRc11norFIT,n.ahead=181)  SETRc11norFORE@forecast$sigma
SETRc22norFORE<-ugarchforecast(SETRc22norFIT,n.ahead=181)  SETRc22norFORE@forecast$sigma
SETRc12norFORE<-ugarchforecast(SETRc12norFIT,n.ahead=181)  SETRc12norFORE@forecast$sigma
SETRc21norFORE<-ugarchforecast(SETRc21norFIT,n.ahead=181)  SETRc21norFORE@forecast$sigma

##Mobile Telecommunication Forecast                        ##Mobile Telecommunication Forecast
SEMOs11gedFORE<-ugarchforecast(SEMOs11gedFIT,n.ahead=181)  SEMOs11gedFORE@forecast$sigma
SEMOs22gedFORE<-ugarchforecast(SEMOs22gedFIT,n.ahead=181)  SEMOs22gedFORE@forecast$sigma
SEMOs12gedFORE<-ugarchforecast(SEMOs12gedFIT,n.ahead=181)  SEMOs12gedFORE@forecast$sigma
SEMOs21gedFORE<-ugarchforecast(SEMOs21gedFIT,n.ahead=181)  SEMOs21gedFORE@forecast$sigma
SEMOe11gedFORE<-ugarchforecast(SEMOe11gedFIT,n.ahead=181)  SEMOe11gedFORE@forecast$sigma
SEMOe22gedFORE<-ugarchforecast(SEMOe22gedFIT,n.ahead=181)  SEMOe22gedFORE@forecast$sigma
SEMOe12gedFORE<-ugarchforecast(SEMOe12gedFIT,n.ahead=181)  SEMOe12gedFORE@forecast$sigma
SEMOe21gedFORE<-ugarchforecast(SEMOe21gedFIT,n.ahead=181)  SEMOe21gedFORE@forecast$sigma
SEMOg11gedFORE<-ugarchforecast(SEMOg11gedFIT,n.ahead=181)  SEMOg11gedFORE@forecast$sigma
SEMOg22gedFORE<-ugarchforecast(SEMOg22gedFIT,n.ahead=181)  SEMOg22gedFORE@forecast$sigma
SEMOg12gedFORE<-ugarchforecast(SEMOg12gedFIT,n.ahead=181)  SEMOg12gedFORE@forecast$sigma
SEMOg21gedFORE<-ugarchforecast(SEMOg21gedFIT,n.ahead=181)  SEMOg21gedFORE@forecast$sigma
SEMOi11gedFORE<-ugarchforecast(SEMOi11gedFIT,n.ahead=181)  SEMOi11gedFORE@forecast$sigma
SEMOi22gedFORE<-ugarchforecast(SEMOi22gedFIT,n.ahead=181)  SEMOi22gedFORE@forecast$sigma
SEMOi12gedFORE<-ugarchforecast(SEMOi12gedFIT,n.ahead=181)  SEMOi12gedFORE@forecast$sigma
SEMOi21gedFORE<-ugarchforecast(SEMOi21gedFIT,n.ahead=181)  SEMOi21gedFORE@forecast$sigma
SEMOc11gedFORE<-ugarchforecast(SEMOc11gedFIT,n.ahead=181)  SEMOc11gedFORE@forecast$sigma
SEMOc22gedFORE<-ugarchforecast(SEMOc22gedFIT,n.ahead=181)  SEMOc22gedFORE@forecast$sigma
SEMOc12gedFORE<-ugarchforecast(SEMOc12gedFIT,n.ahead=181)  SEMOc12gedFORE@forecast$sigma
SEMOc21gedFORE<-ugarchforecast(SEMOc21gedFIT,n.ahead=181)  SEMOc21gedFORE@forecast$sigma

SEMOs11stdFORE<-ugarchforecast(SEMOs11stdFIT,n.ahead=181)  SEMOs11stdFORE@forecast$sigma
SEMOs22stdFORE<-ugarchforecast(SEMOs22stdFIT,n.ahead=181)  SEMOs22stdFORE@forecast$sigma
SEMOs12stdFORE<-ugarchforecast(SEMOs12stdFIT,n.ahead=181)  SEMOs12stdFORE@forecast$sigma
SEMOs21stdFORE<-ugarchforecast(SEMOs21stdFIT,n.ahead=181)  SEMOs21stdFORE@forecast$sigma
SEMOe11stdFORE<-ugarchforecast(SEMOe11stdFIT,n.ahead=181)  SEMOe11stdFORE@forecast$sigma
SEMOe22stdFORE<-ugarchforecast(SEMOe22stdFIT,n.ahead=181)  SEMOe22stdFORE@forecast$sigma
SEMOe12stdFORE<-ugarchforecast(SEMOe12stdFIT,n.ahead=181)  SEMOe12stdFORE@forecast$sigma
SEMOe21stdFORE<-ugarchforecast(SEMOe21stdFIT,n.ahead=181)  SEMOe21stdFORE@forecast$sigma
SEMOg11stdFORE<-ugarchforecast(SEMOg11stdFIT,n.ahead=181)  SEMOg11stdFORE@forecast$sigma
SEMOg22stdFORE<-ugarchforecast(SEMOg22stdFIT,n.ahead=181)  SEMOg22stdFORE@forecast$sigma
SEMOg12stdFORE<-ugarchforecast(SEMOg12stdFIT,n.ahead=181)  SEMOg12stdFORE@forecast$sigma
SEMOg21stdFORE<-ugarchforecast(SEMOg21stdFIT,n.ahead=181)  SEMOg21stdFORE@forecast$sigma
SEMOi11stdFORE<-ugarchforecast(SEMOi11stdFIT,n.ahead=181)  SEMOi11stdFORE@forecast$sigma
SEMOi22stdFORE<-ugarchforecast(SEMOi22stdFIT,n.ahead=181)  SEMOi22stdFORE@forecast$sigma
SEMOi12stdFORE<-ugarchforecast(SEMOi12stdFIT,n.ahead=181)  SEMOi12stdFORE@forecast$sigma
SEMOi21stdFORE<-ugarchforecast(SEMOi21stdFIT,n.ahead=181)  SEMOi21stdFORE@forecast$sigma
SEMOc11stdFORE<-ugarchforecast(SEMOc11stdFIT,n.ahead=181)  SEMOc11stdFORE@forecast$sigma
SEMOc22stdFORE<-ugarchforecast(SEMOc22stdFIT,n.ahead=181)  SEMOc22stdFORE@forecast$sigma
SEMOc12stdFORE<-ugarchforecast(SEMOc12stdFIT,n.ahead=181)  SEMOc12stdFORE@forecast$sigma
SEMOc21stdFORE<-ugarchforecast(SEMOc21stdFIT,n.ahead=181)  SEMOc21stdFORE@forecast$sigma

SEMOs11norFORE<-ugarchforecast(SEMOs11norFIT,n.ahead=181)  SEMOs11norFORE@forecast$sigma
SEMOs22norFORE<-ugarchforecast(SEMOs22norFIT,n.ahead=181)  SEMOs22norFORE@forecast$sigma
SEMOs12norFORE<-ugarchforecast(SEMOs12norFIT,n.ahead=181)  SEMOs12norFORE@forecast$sigma
SEMOs21norFORE<-ugarchforecast(SEMOs21norFIT,n.ahead=181)  SEMOs21norFORE@forecast$sigma
SEMOe11norFORE<-ugarchforecast(SEMOe11norFIT,n.ahead=181)  SEMOe11norFORE@forecast$sigma
SEMOe22norFORE<-ugarchforecast(SEMOe22norFIT,n.ahead=181)  SEMOe22norFORE@forecast$sigma
SEMOe12norFORE<-ugarchforecast(SEMOe12norFIT,n.ahead=181)  SEMOe12norFORE@forecast$sigma
SEMOe21norFORE<-ugarchforecast(SEMOe21norFIT,n.ahead=181)  SEMOe21norFORE@forecast$sigma
SEMOg11norFORE<-ugarchforecast(SEMOg11norFIT,n.ahead=181)  SEMOg11norFORE@forecast$sigma
SEMOg22norFORE<-ugarchforecast(SEMOg22norFIT,n.ahead=181)  SEMOg22norFORE@forecast$sigma
SEMOg12norFORE<-ugarchforecast(SEMOg12norFIT,n.ahead=181)  SEMOg12norFORE@forecast$sigma
SEMOg21norFORE<-ugarchforecast(SEMOg21norFIT,n.ahead=181)  SEMOg21norFORE@forecast$sigma
SEMOi11norFORE<-ugarchforecast(SEMOi11norFIT,n.ahead=181)  SEMOi11norFORE@forecast$sigma
SEMOi22norFORE<-ugarchforecast(SEMOi22norFIT,n.ahead=181)  SEMOi22norFORE@forecast$sigma
SEMOi12norFORE<-ugarchforecast(SEMOi12norFIT,n.ahead=181)  SEMOi12norFORE@forecast$sigma
SEMOi21norFORE<-ugarchforecast(SEMOi21norFIT,n.ahead=181)  SEMOi21norFORE@forecast$sigma
SEMOc11norFORE<-ugarchforecast(SEMOc11norFIT,n.ahead=181)  SEMOc11norFORE@forecast$sigma
SEMOc22norFORE<-ugarchforecast(SEMOc22norFIT,n.ahead=181)  SEMOc22norFORE@forecast$sigma
SEMOc12norFORE<-ugarchforecast(SEMOc12norFIT,n.ahead=181)  SEMOc12norFORE@forecast$sigma
SEMOc21norFORE<-ugarchforecast(SEMOc21norFIT,n.ahead=181)  SEMOc21norFORE@forecast$sigma

##Oil and and Gas Forecast                                 ##Oil and and Gas Forecast
SEOGs11gedFORE<-ugarchforecast(SEOGs11gedFIT,n.ahead=181)  SEOGs11gedFORE@forecast$sigma
SEOGs22gedFORE<-ugarchforecast(SEOGs22gedFIT,n.ahead=181)  SEOGs22gedFORE@forecast$sigma
SEOGs12gedFORE<-ugarchforecast(SEOGs12gedFIT,n.ahead=181)  SEOGs12gedFORE@forecast$sigma
SEOGs21gedFORE<-ugarchforecast(SEOGs21gedFIT,n.ahead=181)  SEOGs21gedFORE@forecast$sigma
SEOGe11gedFORE<-ugarchforecast(SEOGe11gedFIT,n.ahead=181)  SEOGe11gedFORE@forecast$sigma
SEOGe22gedFORE<-ugarchforecast(SEOGe22gedFIT,n.ahead=181)  SEOGe22gedFORE@forecast$sigma
SEOGe12gedFORE<-ugarchforecast(SEOGe12gedFIT,n.ahead=181)  SEOGe12gedFORE@forecast$sigma
SEOGe21gedFORE<-ugarchforecast(SEOGe21gedFIT,n.ahead=181)  SEOGe21gedFORE@forecast$sigma
SEOGg11gedFORE<-ugarchforecast(SEOGg11gedFIT,n.ahead=181)  SEOGg11gedFORE@forecast$sigma
SEOGg22gedFORE<-ugarchforecast(SEOGg22gedFIT,n.ahead=181)  SEOGg22gedFORE@forecast$sigma
SEOGg12gedFORE<-ugarchforecast(SEOGg12gedFIT,n.ahead=181)  SEOGg12gedFORE@forecast$sigma
SEOGg21gedFORE<-ugarchforecast(SEOGg21gedFIT,n.ahead=181)  SEOGg21gedFORE@forecast$sigma
SEOGi11gedFORE<-ugarchforecast(SEOGi11gedFIT,n.ahead=181)  SEOGi11gedFORE@forecast$sigma
SEOGi22gedFORE<-ugarchforecast(SEOGi22gedFIT,n.ahead=181)  SEOGi22gedFORE@forecast$sigma
SEOGi12gedFORE<-ugarchforecast(SEOGi12gedFIT,n.ahead=181)  SEOGi12gedFORE@forecast$sigma
SEOGi21gedFORE<-ugarchforecast(SEOGi21gedFIT,n.ahead=181)  SEOGi21gedFORE@forecast$sigma
SEOGc11gedFORE<-ugarchforecast(SEOGc11gedFIT,n.ahead=181)  SEOGc11gedFORE@forecast$sigma
SEOGc22gedFORE<-ugarchforecast(SEOGc22gedFIT,n.ahead=181)  SEOGc22gedFORE@forecast$sigma
SEOGc12gedFORE<-ugarchforecast(SEOGc12gedFIT,n.ahead=181)  SEOGc12gedFORE@forecast$sigma
SEOGc21gedFORE<-ugarchforecast(SEOGc21gedFIT,n.ahead=181)  SEOGc21gedFORE@forecast$sigma

SEOGs11stdFORE<-ugarchforecast(SEOGs11stdFIT,n.ahead=181)  SEOGs11stdFORE@forecast$sigma
SEOGs22stdFORE<-ugarchforecast(SEOGs22stdFIT,n.ahead=181)  SEOGs22stdFORE@forecast$sigma
SEOGs12stdFORE<-ugarchforecast(SEOGs12stdFIT,n.ahead=181)  SEOGs12stdFORE@forecast$sigma
SEOGs21stdFORE<-ugarchforecast(SEOGs21stdFIT,n.ahead=181)  SEOGs21stdFORE@forecast$sigma
SEOGe11stdFORE<-ugarchforecast(SEOGe11stdFIT,n.ahead=181)  SEOGe11stdFORE@forecast$sigma
SEOGe22stdFORE<-ugarchforecast(SEOGe22stdFIT,n.ahead=181)  SEOGe22stdFORE@forecast$sigma
SEOGe12stdFORE<-ugarchforecast(SEOGe12stdFIT,n.ahead=181)  SEOGe12stdFORE@forecast$sigma
SEOGe21stdFORE<-ugarchforecast(SEOGe21stdFIT,n.ahead=181)  SEOGe21stdFORE@forecast$sigma
SEOGg11stdFORE<-ugarchforecast(SEOGg11stdFIT,n.ahead=181)  SEOGg11stdFORE@forecast$sigma
SEOGg22stdFORE<-ugarchforecast(SEOGg22stdFIT,n.ahead=181)  SEOGg22stdFORE@forecast$sigma
SEOGg12stdFORE<-ugarchforecast(SEOGg12stdFIT,n.ahead=181)  SEOGg12stdFORE@forecast$sigma
SEOGg21stdFORE<-ugarchforecast(SEOGg21stdFIT,n.ahead=181)  SEOGg21stdFORE@forecast$sigma
SEOGi11stdFORE<-ugarchforecast(SEOGi11stdFIT,n.ahead=181)  SEOGi11stdFORE@forecast$sigma
SEOGi22stdFORE<-ugarchforecast(SEOGi22stdFIT,n.ahead=181)  SEOGi22stdFORE@forecast$sigma
SEOGi12stdFORE<-ugarchforecast(SEOGi12stdFIT,n.ahead=181)  SEOGi12stdFORE@forecast$sigma
SEOGi21stdFORE<-ugarchforecast(SEOGi21stdFIT,n.ahead=181)  SEOGi21stdFORE@forecast$sigma
SEOGc11stdFORE<-ugarchforecast(SEOGc11stdFIT,n.ahead=181)  SEOGc11stdFORE@forecast$sigma
SEOGc22stdFORE<-ugarchforecast(SEOGc22stdFIT,n.ahead=181)  SEOGc22stdFORE@forecast$sigma
SEOGc12stdFORE<-ugarchforecast(SEOGc12stdFIT,n.ahead=181)  SEOGc12stdFORE@forecast$sigma
SEOGc21stdFORE<-ugarchforecast(SEOGc21stdFIT,n.ahead=181)  SEOGc21stdFORE@forecast$sigma

SEOGs11norFORE<-ugarchforecast(SEOGs11norFIT,n.ahead=181)  SEOGs11norFORE@forecast$sigma
SEOGs22norFORE<-ugarchforecast(SEOGs22norFIT,n.ahead=181)  SEOGs22norFORE@forecast$sigma
SEOGs12norFORE<-ugarchforecast(SEOGs12norFIT,n.ahead=181)  SEOGs12norFORE@forecast$sigma
SEOGs21norFORE<-ugarchforecast(SEOGs21norFIT,n.ahead=181)  SEOGs21norFORE@forecast$sigma
SEOGe11norFORE<-ugarchforecast(SEOGe11norFIT,n.ahead=181)  SEOGe11norFORE@forecast$sigma
SEOGe22norFORE<-ugarchforecast(SEOGe22norFIT,n.ahead=181)  SEOGe22norFORE@forecast$sigma
SEOGe12norFORE<-ugarchforecast(SEOGe12norFIT,n.ahead=181)  SEOGe12norFORE@forecast$sigma
SEOGe21norFORE<-ugarchforecast(SEOGe21norFIT,n.ahead=181)  SEOGe21norFORE@forecast$sigma
SEOGg11norFORE<-ugarchforecast(SEOGg11norFIT,n.ahead=181)  SEOGg11norFORE@forecast$sigma
SEOGg22norFORE<-ugarchforecast(SEOGg22norFIT,n.ahead=181)  SEOGg22norFORE@forecast$sigma
SEOGg12norFORE<-ugarchforecast(SEOGg12norFIT,n.ahead=181)  SEOGg12norFORE@forecast$sigma
SEOGg21norFORE<-ugarchforecast(SEOGg21norFIT,n.ahead=181)  SEOGg21norFORE@forecast$sigma
SEOGi11norFORE<-ugarchforecast(SEOGi11norFIT,n.ahead=181)  SEOGi11norFORE@forecast$sigma
SEOGi22norFORE<-ugarchforecast(SEOGi22norFIT,n.ahead=181)  SEOGi22norFORE@forecast$sigma
SEOGi12norFORE<-ugarchforecast(SEOGi12norFIT,n.ahead=181)  SEOGi12norFORE@forecast$sigma
SEOGi21norFORE<-ugarchforecast(SEOGi21norFIT,n.ahead=181)  SEOGi21norFORE@forecast$sigma
SEOGc11norFORE<-ugarchforecast(SEOGc11norFIT,n.ahead=181)  SEOGc11norFORE@forecast$sigma
SEOGc22norFORE<-ugarchforecast(SEOGc22norFIT,n.ahead=181)  SEOGc22norFORE@forecast$sigma
SEOGc12norFORE<-ugarchforecast(SEOGc12norFIT,n.ahead=181)  SEOGc12norFORE@forecast$sigma
SEOGc21norFORE<-ugarchforecast(SEOGc21norFIT,n.ahead=181)  SEOGc21norFORE@forecast$sigma

##Oil Equipment Forecast                                   ##Oil Equipment Forecast
SEOEs11gedFORE<-ugarchforecast(SEOEs11gedFIT,n.ahead=181)  SEOEs11gedFORE@forecast$sigma
SEOEs22gedFORE<-ugarchforecast(SEOEs22gedFIT,n.ahead=181)  SEOEs22gedFORE@forecast$sigma
SEOEs12gedFORE<-ugarchforecast(SEOEs12gedFIT,n.ahead=181)  SEOEs12gedFORE@forecast$sigma
SEOEs21gedFORE<-ugarchforecast(SEOEs21gedFIT,n.ahead=181)  SEOEs21gedFORE@forecast$sigma
SEOEe11gedFORE<-ugarchforecast(SEOEe11gedFIT,n.ahead=181)  SEOEe11gedFORE@forecast$sigma
SEOEe22gedFORE<-ugarchforecast(SEOEe22gedFIT,n.ahead=181)  SEOEe22gedFORE@forecast$sigma
SEOEe12gedFORE<-ugarchforecast(SEOEe12gedFIT,n.ahead=181)  SEOEe12gedFORE@forecast$sigma
SEOEe21gedFORE<-ugarchforecast(SEOEe21gedFIT,n.ahead=181)  SEOEe21gedFORE@forecast$sigma
SEOEg11gedFORE<-ugarchforecast(SEOEg11gedFIT,n.ahead=181)  SEOEg11gedFORE@forecast$sigma
SEOEg22gedFORE<-ugarchforecast(SEOEg22gedFIT,n.ahead=181)  SEOEg22gedFORE@forecast$sigma
SEOEg12gedFORE<-ugarchforecast(SEOEg12gedFIT,n.ahead=181)  SEOEg12gedFORE@forecast$sigma
SEOEg21gedFORE<-ugarchforecast(SEOEg21gedFIT,n.ahead=181)  SEOEg21gedFORE@forecast$sigma
SEOEi11gedFORE<-ugarchforecast(SEOEi11gedFIT,n.ahead=181)  SEOEi11gedFORE@forecast$sigma
SEOEi22gedFORE<-ugarchforecast(SEOEi22gedFIT,n.ahead=181)  SEOEi22gedFORE@forecast$sigma
SEOEi12gedFORE<-ugarchforecast(SEOEi12gedFIT,n.ahead=181)  SEOEi12gedFORE@forecast$sigma
SEOEi21gedFORE<-ugarchforecast(SEOEi21gedFIT,n.ahead=181)  SEOEi21gedFORE@forecast$sigma
SEOEc11gedFORE<-ugarchforecast(SEOEc11gedFIT,n.ahead=181)  SEOEc11gedFORE@forecast$sigma
SEOEc22gedFORE<-ugarchforecast(SEOEc22gedFIT,n.ahead=181)  SEOEc22gedFORE@forecast$sigma
SEOEc12gedFORE<-ugarchforecast(SEOEc12gedFIT,n.ahead=181)  SEOEc12gedFORE@forecast$sigma
SEOEc21gedFORE<-ugarchforecast(SEOEc21gedFIT,n.ahead=181)  SEOEc21gedFORE@forecast$sigma
```

```
SEOEs11stdFORE<-ugarchforecast(SEOEs11stdFIT,n.ahead=181)  SEOEs11stdFORE@forecast$sigma
SEOEs22stdFORE<-ugarchforecast(SEOEs22stdFIT,n.ahead=181)  SEOEs22stdFORE@forecast$sigma
SEOEs12stdFORE<-ugarchforecast(SEOEs12stdFIT,n.ahead=181)  SEOEs12stdFORE@forecast$sigma
SEOEs21stdFORE<-ugarchforecast(SEOEs21stdFIT,n.ahead=181)  SEOEs21stdFORE@forecast$sigma
SEOEe11stdFORE<-ugarchforecast(SEOEe11stdFIT,n.ahead=181)  SEOEe11stdFORE@forecast$sigma
SEOEe22stdFORE<-ugarchforecast(SEOEe22stdFIT,n.ahead=181)  SEOEe22stdFORE@forecast$sigma
SEOEe12stdFORE<-ugarchforecast(SEOEe12stdFIT,n.ahead=181)  SEOEe12stdFORE@forecast$sigma
SEOEe21stdFORE<-ugarchforecast(SEOEe21stdFIT,n.ahead=181)  SEOEe21stdFORE@forecast$sigma
SEOEg11stdFORE<-ugarchforecast(SEOEg11stdFIT,n.ahead=181)  SEOEg11stdFORE@forecast$sigma
SEOEg22stdFORE<-ugarchforecast(SEOEg22stdFIT,n.ahead=181)  SEOEg22stdFORE@forecast$sigma
SEOEg12stdFORE<-ugarchforecast(SEOEg12stdFIT,n.ahead=181)  SEOEg12stdFORE@forecast$sigma
SEOEg21stdFORE<-ugarchforecast(SEOEg21stdFIT,n.ahead=181)  SEOEg21stdFORE@forecast$sigma
SEOEi11stdFORE<-ugarchforecast(SEOEi11stdFIT,n.ahead=181)  SEOEi11stdFORE@forecast$sigma
SEOEi22stdFORE<-ugarchforecast(SEOEi22stdFIT,n.ahead=181)  SEOEi22stdFORE@forecast$sigma
SEOEi12stdFORE<-ugarchforecast(SEOEi12stdFIT,n.ahead=181)  SEOEi12stdFORE@forecast$sigma
SEOEi21stdFORE<-ugarchforecast(SEOEi21stdFIT,n.ahead=181)  SEOEi21stdFORE@forecast$sigma
SEOEc11stdFORE<-ugarchforecast(SEOEc11stdFIT,n.ahead=181)  SEOEc11stdFORE@forecast$sigma
SEOEc22stdFORE<-ugarchforecast(SEOEc22stdFIT,n.ahead=181)  SEOEc22stdFORE@forecast$sigma
SEOEc12stdFORE<-ugarchforecast(SEOEc12stdFIT,n.ahead=181)  SEOEc12stdFORE@forecast$sigma
SEOEc21stdFORE<-ugarchforecast(SEOEc21stdFIT,n.ahead=181)  SEOEc21stdFORE@forecast$sigma

SEOEs11norFORE<-ugarchforecast(SEOEs11norFIT,n.ahead=181)  SEOEs11norFORE@forecast$sigma
SEOEs22norFORE<-ugarchforecast(SEOEs22norFIT,n.ahead=181)  SEOEs22norFORE@forecast$sigma
SEOEs12norFORE<-ugarchforecast(SEOEs12norFIT,n.ahead=181)  SEOEs12norFORE@forecast$sigma
SEOEs21norFORE<-ugarchforecast(SEOEs21norFIT,n.ahead=181)  SEOEs21norFORE@forecast$sigma
SEOEe11norFORE<-ugarchforecast(SEOEe11norFIT,n.ahead=181)  SEOEe11norFORE@forecast$sigma
SEOEe22norFORE<-ugarchforecast(SEOEe22norFIT,n.ahead=181)  SEOEe22norFORE@forecast$sigma
SEOEe12norFORE<-ugarchforecast(SEOEe12norFIT,n.ahead=181)  SEOEe12norFORE@forecast$sigma
SEOEe21norFORE<-ugarchforecast(SEOEe21norFIT,n.ahead=181)  SEOEe21norFORE@forecast$sigma
SEOEg11norFORE<-ugarchforecast(SEOEg11norFIT,n.ahead=181)  SEOEg11norFORE@forecast$sigma
SEOEg22norFORE<-ugarchforecast(SEOEg22norFIT,n.ahead=181)  SEOEg22norFORE@forecast$sigma
SEOEg12norFORE<-ugarchforecast(SEOEg12norFIT,n.ahead=181)  SEOEg12norFORE@forecast$sigma
SEOEg21norFORE<-ugarchforecast(SEOEg21norFIT,n.ahead=181)  SEOEg21norFORE@forecast$sigma
SEOEi11norFORE<-ugarchforecast(SEOEi11norFIT,n.ahead=181)  SEOEi11norFORE@forecast$sigma
SEOEi22norFORE<-ugarchforecast(SEOEi22norFIT,n.ahead=181)  SEOEi22norFORE@forecast$sigma
SEOEi12norFORE<-ugarchforecast(SEOEi12norFIT,n.ahead=181)  SEOEi12norFORE@forecast$sigma
SEOEi21norFORE<-ugarchforecast(SEOEi21norFIT,n.ahead=181)  SEOEi21norFORE@forecast$sigma
SEOEc11norFORE<-ugarchforecast(SEOEc11norFIT,n.ahead=181)  SEOEc11norFORE@forecast$sigma
SEOEc22norFORE<-ugarchforecast(SEOEc22norFIT,n.ahead=181)  SEOEc22norFORE@forecast$sigma
SEOEc12norFORE<-ugarchforecast(SEOEc12norFIT,n.ahead=181)  SEOEc12norFORE@forecast$sigma
SEOEc21norFORE<-ugarchforecast(SEOEc21norFIT,n.ahead=181)  SEOEc21norFORE@forecast$sigma

##Airlines Forecast                                        ##Airlines Forecast
SEAIs11gedFORE<-ugarchforecast(SEAIs11gedFIT,n.ahead=181)  SEAIs11gedFORE@forecast$sigma
SEAIs22gedFORE<-ugarchforecast(SEAIs22gedFIT,n.ahead=181)  SEAIs22gedFORE@forecast$sigma
SEAIs12gedFORE<-ugarchforecast(SEAIs12gedFIT,n.ahead=181)  SEAIs12gedFORE@forecast$sigma
SEAIs21gedFORE<-ugarchforecast(SEAIs21gedFIT,n.ahead=181)  SEAIs21gedFORE@forecast$sigma
SEAIe11gedFORE<-ugarchforecast(SEAIe11gedFIT,n.ahead=181)  SEAIe11gedFORE@forecast$sigma
SEAIe22gedFORE<-ugarchforecast(SEAIe22gedFIT,n.ahead=181)  SEAIe22gedFORE@forecast$sigma
SEAIe12gedFORE<-ugarchforecast(SEAIe12gedFIT,n.ahead=181)  SEAIe12gedFORE@forecast$sigma
SEAIe21gedFORE<-ugarchforecast(SEAIe21gedFIT,n.ahead=181)  SEAIe21gedFORE@forecast$sigma
SEAIg11gedFORE<-ugarchforecast(SEAIg11gedFIT,n.ahead=181)  SEAIg11gedFORE@forecast$sigma
SEAIg22gedFORE<-ugarchforecast(SEAIg22gedFIT,n.ahead=181)  SEAIg22gedFORE@forecast$sigma
SEAIg12gedFORE<-ugarchforecast(SEAIg12gedFIT,n.ahead=181)  SEAIg12gedFORE@forecast$sigma
SEAIg21gedFORE<-ugarchforecast(SEAIg21gedFIT,n.ahead=181)  SEAIg21gedFORE@forecast$sigma
SEAIi11gedFORE<-ugarchforecast(SEAIi11gedFIT,n.ahead=181)  SEAIi11gedFORE@forecast$sigma
SEAIi22gedFORE<-ugarchforecast(SEAIi22gedFIT,n.ahead=181)  SEAIi22gedFORE@forecast$sigma
SEAIi12gedFORE<-ugarchforecast(SEAIi12gedFIT,n.ahead=181)  SEAIi12gedFORE@forecast$sigma
SEAIi21gedFORE<-ugarchforecast(SEAIi21gedFIT,n.ahead=181)  SEAIi21gedFORE@forecast$sigma
SEAIc11gedFORE<-ugarchforecast(SEAIc11gedFIT,n.ahead=181)  SEAIc11gedFORE@forecast$sigma
SEAIc22gedFORE<-ugarchforecast(SEAIc22gedFIT,n.ahead=181)  SEAIc22gedFORE@forecast$sigma
SEAIc12gedFORE<-ugarchforecast(SEAIc12gedFIT,n.ahead=181)  SEAIc12gedFORE@forecast$sigma
SEAIc21gedFORE<-ugarchforecast(SEAIc21gedFIT,n.ahead=181)  SEAIc21gedFORE@forecast$sigma

SEAIs11stdFORE<-ugarchforecast(SEAIs11stdFIT,n.ahead=181)  SEAIs11stdFORE@forecast$sigma
SEAIs22stdFORE<-ugarchforecast(SEAIs22stdFIT,n.ahead=181)  SEAIs22stdFORE@forecast$sigma
SEAIs12stdFORE<-ugarchforecast(SEAIs12stdFIT,n.ahead=181)  SEAIs12stdFORE@forecast$sigma
SEAIs21stdFORE<-ugarchforecast(SEAIs21stdFIT,n.ahead=181)  SEAIs21stdFORE@forecast$sigma
SEAIe11stdFORE<-ugarchforecast(SEAIe11stdFIT,n.ahead=181)  SEAIe11stdFORE@forecast$sigma
SEAIe22stdFORE<-ugarchforecast(SEAIe22stdFIT,n.ahead=181)  SEAIe22stdFORE@forecast$sigma
SEAIe12stdFORE<-ugarchforecast(SEAIe12stdFIT,n.ahead=181)  SEAIe12stdFORE@forecast$sigma
SEAIe21stdFORE<-ugarchforecast(SEAIe21stdFIT,n.ahead=181)  SEAIe21stdFORE@forecast$sigma
SEAIg11stdFORE<-ugarchforecast(SEAIg11stdFIT,n.ahead=181)  SEAIg11stdFORE@forecast$sigma
SEAIg22stdFORE<-ugarchforecast(SEAIg22stdFIT,n.ahead=181)  SEAIg22stdFORE@forecast$sigma
SEAIg12stdFORE<-ugarchforecast(SEAIg12stdFIT,n.ahead=181)  SEAIg12stdFORE@forecast$sigma
SEAIg21stdFORE<-ugarchforecast(SEAIg21stdFIT,n.ahead=181)  SEAIg21stdFORE@forecast$sigma
SEAIi11stdFORE<-ugarchforecast(SEAIi11stdFIT,n.ahead=181)  SEAIi11stdFORE@forecast$sigma
SEAIi22stdFORE<-ugarchforecast(SEAIi22stdFIT,n.ahead=181)  SEAIi22stdFORE@forecast$sigma
SEAIi12stdFORE<-ugarchforecast(SEAIi12stdFIT,n.ahead=181)  SEAIi12stdFORE@forecast$sigma
SEAIi21stdFORE<-ugarchforecast(SEAIi21stdFIT,n.ahead=181)  SEAIi21stdFORE@forecast$sigma
SEAIc11stdFORE<-ugarchforecast(SEAIc11stdFIT,n.ahead=181)  SEAIc11stdFORE@forecast$sigma
SEAIc22stdFORE<-ugarchforecast(SEAIc22stdFIT,n.ahead=181)  SEAIc22stdFORE@forecast$sigma
SEAIc12stdFORE<-ugarchforecast(SEAIc12stdFIT,n.ahead=181)  SEAIc12stdFORE@forecast$sigma
SEAIc21stdFORE<-ugarchforecast(SEAIc21stdFIT,n.ahead=181)  SEAIc21stdFORE@forecast$sigma

SEAIs11norFORE<-ugarchforecast(SEAIs11norFIT,n.ahead=181)  SEAIs11norFORE@forecast$sigma
SEAIs22norFORE<-ugarchforecast(SEAIs22norFIT,n.ahead=181)  SEAIs22norFORE@forecast$sigma
SEAIs12norFORE<-ugarchforecast(SEAIs12norFIT,n.ahead=181)  SEAIs12norFORE@forecast$sigma
SEAIs21norFORE<-ugarchforecast(SEAIs21norFIT,n.ahead=181)  SEAIs21norFORE@forecast$sigma
SEAIe11norFORE<-ugarchforecast(SEAIe11norFIT,n.ahead=181)  SEAIe11norFORE@forecast$sigma
SEAIe22norFORE<-ugarchforecast(SEAIe22norFIT,n.ahead=181)  SEAIe22norFORE@forecast$sigma
SEAIe12norFORE<-ugarchforecast(SEAIe12norFIT,n.ahead=181)  SEAIe12norFORE@forecast$sigma
SEAIe21norFORE<-ugarchforecast(SEAIe21norFIT,n.ahead=181)  SEAIe21norFORE@forecast$sigma
SEAIg11norFORE<-ugarchforecast(SEAIg11norFIT,n.ahead=181)  SEAIg11norFORE@forecast$sigma
SEAIg22norFORE<-ugarchforecast(SEAIg22norFIT,n.ahead=181)  SEAIg22norFORE@forecast$sigma
SEAIg12norFORE<-ugarchforecast(SEAIg12norFIT,n.ahead=181)  SEAIg12norFORE@forecast$sigma
SEAIg21norFORE<-ugarchforecast(SEAIg21norFIT,n.ahead=181)  SEAIg21norFORE@forecast$sigma
SEAIi11norFORE<-ugarchforecast(SEAIi11norFIT,n.ahead=181)  SEAIi11norFORE@forecast$sigma
SEAIi22norFORE<-ugarchforecast(SEAIi22norFIT,n.ahead=181)  SEAIi22norFORE@forecast$sigma
SEAIi12norFORE<-ugarchforecast(SEAIi12norFIT,n.ahead=181)  SEAIi12norFORE@forecast$sigma
SEAIi21norFORE<-ugarchforecast(SEAIi21norFIT,n.ahead=181)  SEAIi21norFORE@forecast$sigma
SEAIc11norFORE<-ugarchforecast(SEAIc11norFIT,n.ahead=181)  SEAIc11norFORE@forecast$sigma
SEAIc22norFORE<-ugarchforecast(SEAIc22norFIT,n.ahead=181)  SEAIc22norFORE@forecast$sigma
SEAIc12norFORE<-ugarchforecast(SEAIc12norFIT,n.ahead=181)  SEAIc12norFORE@forecast$sigma
SEAIc21norFORE<-ugarchforecast(SEAIc21norFIT,n.ahead=181)  SEAIc21norFORE@forecast$sigma

##Real Estate Ivestment and Servcies Forecast              ##Real Estate Ivestment and Servcies Forecast
SEISs11gedFORE<-ugarchforecast(SEISs11gedFIT,n.ahead=181)  SEISs11gedFORE@forecast$sigma
SEISs22gedFORE<-ugarchforecast(SEISs22gedFIT,n.ahead=181)  SEISs22gedFORE@forecast$sigma
SEISs12gedFORE<-ugarchforecast(SEISs12gedFIT,n.ahead=181)  SEISs12gedFORE@forecast$sigma
SEISs21gedFORE<-ugarchforecast(SEISs21gedFIT,n.ahead=181)  SEISs21gedFORE@forecast$sigma
SEISe11gedFORE<-ugarchforecast(SEISe11gedFIT,n.ahead=181)  SEISe11gedFORE@forecast$sigma
SEISe22gedFORE<-ugarchforecast(SEISe22gedFIT,n.ahead=181)  SEISe22gedFORE@forecast$sigma
SEISe12gedFORE<-ugarchforecast(SEISe12gedFIT,n.ahead=181)  SEISe12gedFORE@forecast$sigma
SEISe21gedFORE<-ugarchforecast(SEISe21gedFIT,n.ahead=181)  SEISe21gedFORE@forecast$sigma
SEISg11gedFORE<-ugarchforecast(SEISg11gedFIT,n.ahead=181)  SEISg11gedFORE@forecast$sigma
SEISg22gedFORE<-ugarchforecast(SEISg22gedFIT,n.ahead=181)  SEISg22gedFORE@forecast$sigma
SEISg12gedFORE<-ugarchforecast(SEISg12gedFIT,n.ahead=181)  SEISg12gedFORE@forecast$sigma
SEISg21gedFORE<-ugarchforecast(SEISg21gedFIT,n.ahead=181)  SEISg21gedFORE@forecast$sigma
SEISi11gedFORE<-ugarchforecast(SEISi11gedFIT,n.ahead=181)  SEISi11gedFORE@forecast$sigma
SEISi22gedFORE<-ugarchforecast(SEISi22gedFIT,n.ahead=181)  SEISi22gedFORE@forecast$sigma
SEISi12gedFORE<-ugarchforecast(SEISi12gedFIT,n.ahead=181)  SEISi12gedFORE@forecast$sigma
SEISi21gedFORE<-ugarchforecast(SEISi21gedFIT,n.ahead=181)  SEISi21gedFORE@forecast$sigma
SEISc11gedFORE<-ugarchforecast(SEISc11gedFIT,n.ahead=181)  SEISc11gedFORE@forecast$sigma
SEISc22gedFORE<-ugarchforecast(SEISc22gedFIT,n.ahead=181)  SEISc22gedFORE@forecast$sigma
SEISc12gedFORE<-ugarchforecast(SEISc12gedFIT,n.ahead=181)  SEISc12gedFORE@forecast$sigma
SEISc21gedFORE<-ugarchforecast(SEISc21gedFIT,n.ahead=181)  SEISc21gedFORE@forecast$sigma

SEISs11stdFORE<-ugarchforecast(SEISs11stdFIT,n.ahead=181)  SEISs11stdFORE@forecast$sigma
SEISs22stdFORE<-ugarchforecast(SEISs22stdFIT,n.ahead=181)  SEISs22stdFORE@forecast$sigma
SEISs12stdFORE<-ugarchforecast(SEISs12stdFIT,n.ahead=181)  SEISs12stdFORE@forecast$sigma
SEISs21stdFORE<-ugarchforecast(SEISs21stdFIT,n.ahead=181)  SEISs21stdFORE@forecast$sigma
SEISe11stdFORE<-ugarchforecast(SEISe11stdFIT,n.ahead=181)  SEISe11stdFORE@forecast$sigma
SEISe22stdFORE<-ugarchforecast(SEISe22stdFIT,n.ahead=181)  SEISe22stdFORE@forecast$sigma
SEISe12stdFORE<-ugarchforecast(SEISe12stdFIT,n.ahead=181)  SEISe12stdFORE@forecast$sigma
SEISe21stdFORE<-ugarchforecast(SEISe21stdFIT,n.ahead=181)  SEISe21stdFORE@forecast$sigma
SEISg11stdFORE<-ugarchforecast(SEISg11stdFIT,n.ahead=181)  SEISg11stdFORE@forecast$sigma
SEISg22stdFORE<-ugarchforecast(SEISg22stdFIT,n.ahead=181)  SEISg22stdFORE@forecast$sigma
SEISg12stdFORE<-ugarchforecast(SEISg12stdFIT,n.ahead=181)  SEISg12stdFORE@forecast$sigma
SEISg21stdFORE<-ugarchforecast(SEISg21stdFIT,n.ahead=181)  SEISg21stdFORE@forecast$sigma
SEISi11stdFORE<-ugarchforecast(SEISi11stdFIT,n.ahead=181)  SEISi11stdFORE@forecast$sigma
SEISi22stdFORE<-ugarchforecast(SEISi22stdFIT,n.ahead=181)  SEISi22stdFORE@forecast$sigma
SEISi12stdFORE<-ugarchforecast(SEISi12stdFIT,n.ahead=181)  SEISi12stdFORE@forecast$sigma
SEISi21stdFORE<-ugarchforecast(SEISi21stdFIT,n.ahead=181)  SEISi21stdFORE@forecast$sigma
SEISc11stdFORE<-ugarchforecast(SEISc11stdFIT,n.ahead=181)  SEISc11stdFORE@forecast$sigma
SEISc22stdFORE<-ugarchforecast(SEISc22stdFIT,n.ahead=181)  SEISc22stdFORE@forecast$sigma
SEISc12stdFORE<-ugarchforecast(SEISc12stdFIT,n.ahead=181)  SEISc12stdFORE@forecast$sigma
SEISc21stdFORE<-ugarchforecast(SEISc21stdFIT,n.ahead=181)  SEISc21stdFORE@forecast$sigma

SEISs11norFORE<-ugarchforecast(SEISs11norFIT,n.ahead=181)  SEISs11norFORE@forecast$sigma
SEISs22norFORE<-ugarchforecast(SEISs22norFIT,n.ahead=181)  SEISs22norFORE@forecast$sigma
SEISs12norFORE<-ugarchforecast(SEISs12norFIT,n.ahead=181)  SEISs12norFORE@forecast$sigma
SEISs21norFORE<-ugarchforecast(SEISs21norFIT,n.ahead=181)  SEISs21norFORE@forecast$sigma
SEISe11norFORE<-ugarchforecast(SEISe11norFIT,n.ahead=181)  SEISe11norFORE@forecast$sigma
SEISe22norFORE<-ugarchforecast(SEISe22norFIT,n.ahead=181)  SEISe22norFORE@forecast$sigma
SEISe12norFORE<-ugarchforecast(SEISe12norFIT,n.ahead=181)  SEISe12norFORE@forecast$sigma
SEISe21norFORE<-ugarchforecast(SEISe21norFIT,n.ahead=181)  SEISe21norFORE@forecast$sigma
SEISg11norFORE<-ugarchforecast(SEISg11norFIT,n.ahead=181)  SEISg11norFORE@forecast$sigma
SEISg22norFORE<-ugarchforecast(SEISg22norFIT,n.ahead=181)  SEISg22norFORE@forecast$sigma
SEISg12norFORE<-ugarchforecast(SEISg12norFIT,n.ahead=181)  SEISg12norFORE@forecast$sigma
SEISg21norFORE<-ugarchforecast(SEISg21norFIT,n.ahead=181)  SEISg21norFORE@forecast$sigma
SEISi11norFORE<-ugarchforecast(SEISi11norFIT,n.ahead=181)  SEISi11norFORE@forecast$sigma
SEISi22norFORE<-ugarchforecast(SEISi22norFIT,n.ahead=181)  SEISi22norFORE@forecast$sigma
SEISi12norFORE<-ugarchforecast(SEISi12norFIT,n.ahead=181)  SEISi12norFORE@forecast$sigma
SEISi21norFORE<-ugarchforecast(SEISi21norFIT,n.ahead=181)  SEISi21norFORE@forecast$sigma
SEISc11norFORE<-ugarchforecast(SEISc11norFIT,n.ahead=181)  SEISc11norFORE@forecast$sigma
SEISc22norFORE<-ugarchforecast(SEISc22norFIT,n.ahead=181)  SEISc22norFORE@forecast$sigma
SEISc12norFORE<-ugarchforecast(SEISc12norFIT,n.ahead=181)  SEISc12norFORE@forecast$sigma
SEISc21norFORE<-ugarchforecast(SEISc21norFIT,n.ahead=181)  SEISc21norFORE@forecast$sigma

##REITS Forecast                                           ##REITS Forecast
SEREs11gedFORE<-ugarchforecast(SEREs11gedFIT,n.ahead=181)  SEREs11gedFORE@forecast$sigma
SEREs22gedFORE<-ugarchforecast(SEREs22gedFIT,n.ahead=181)  SEREs22gedFORE@forecast$sigma
SEREs12gedFORE<-ugarchforecast(SEREs12gedFIT,n.ahead=181)  SEREs12gedFORE@forecast$sigma
SEREs21gedFORE<-ugarchforecast(SEREs21gedFIT,n.ahead=181)  SEREs21gedFORE@forecast$sigma
SEREe11gedFORE<-ugarchforecast(SEREe11gedFIT,n.ahead=181)  SEREe11gedFORE@forecast$sigma
SEREe22gedFORE<-ugarchforecast(SEREe22gedFIT,n.ahead=181)  SEREe22gedFORE@forecast$sigma
SEREe12gedFORE<-ugarchforecast(SEREe12gedFIT,n.ahead=181)  SEREe12gedFORE@forecast$sigma
SEREe21gedFORE<-ugarchforecast(SEREe21gedFIT,n.ahead=181)  SEREe21gedFORE@forecast$sigma
SEREg11gedFORE<-ugarchforecast(SEREg11gedFIT,n.ahead=181)  SEREg11gedFORE@forecast$sigma
SEREg22gedFORE<-ugarchforecast(SEREg22gedFIT,n.ahead=181)  SEREg22gedFORE@forecast$sigma
SEREg12gedFORE<-ugarchforecast(SEREg12gedFIT,n.ahead=181)  SEREg12gedFORE@forecast$sigma
SEREg21gedFORE<-ugarchforecast(SEREg21gedFIT,n.ahead=181)  SEREg21gedFORE@forecast$sigma
SEREi11gedFORE<-ugarchforecast(SEREi11gedFIT,n.ahead=181)  SEREi11gedFORE@forecast$sigma
SEREi22gedFORE<-ugarchforecast(SEREi22gedFIT,n.ahead=181)  SEREi22gedFORE@forecast$sigma
SEREi12gedFORE<-ugarchforecast(SEREi12gedFIT,n.ahead=181)  SEREi12gedFORE@forecast$sigma
SEREi21gedFORE<-ugarchforecast(SEREi21gedFIT,n.ahead=181)  SEREi21gedFORE@forecast$sigma
SEREc11gedFORE<-ugarchforecast(SEREc11gedFIT,n.ahead=181)  SEREc11gedFORE@forecast$sigma
SEREc22gedFORE<-ugarchforecast(SEREc22gedFIT,n.ahead=181)  SEREc22gedFORE@forecast$sigma
SEREc12gedFORE<-ugarchforecast(SEREc12gedFIT,n.ahead=181)  SEREc12gedFORE@forecast$sigma
SEREc21gedFORE<-ugarchforecast(SEREc21gedFIT,n.ahead=181)  SEREc21gedFORE@forecast$sigma

SEREs11stdFORE<-ugarchforecast(SEREs11stdFIT,n.ahead=181)  SEREs11stdFORE@forecast$sigma
SEREs22stdFORE<-ugarchforecast(SEREs22stdFIT,n.ahead=181)  SEREs22stdFORE@forecast$sigma
SEREs12stdFORE<-ugarchforecast(SEREs12stdFIT,n.ahead=181)  SEREs12stdFORE@forecast$sigma
```

```
SEREs21stdFORE<-ugarchforecast(SEREs21stdFIT,n.ahead=181)  SEREs21stdFORE@forecast$sigma
SEREe11stdFORE<-ugarchforecast(SEREe11stdFIT,n.ahead=181)  SEREe11stdFORE@forecast$sigma
SEREe22stdFORE<-ugarchforecast(SEREe22stdFIT,n.ahead=181)  SEREe22stdFORE@forecast$sigma
SEREe12stdFORE<-ugarchforecast(SEREe12stdFIT,n.ahead=181)  SEREe12stdFORE@forecast$sigma
SEREe21stdFORE<-ugarchforecast(SEREe21stdFIT,n.ahead=181)  SEREe21stdFORE@forecast$sigma
SEREg11stdFORE<-ugarchforecast(SEREg11stdFIT,n.ahead=181)  SEREg11stdFORE@forecast$sigma
SEREg22stdFORE<-ugarchforecast(SEREg22stdFIT,n.ahead=181)  SEREg22stdFORE@forecast$sigma
SEREg12stdFORE<-ugarchforecast(SEREg12stdFIT,n.ahead=181)  SEREg12stdFORE@forecast$sigma
SEREg21stdFORE<-ugarchforecast(SEREg21stdFIT,n.ahead=181)  SEREg21stdFORE@forecast$sigma
SEREi11stdFORE<-ugarchforecast(SEREi11stdFIT,n.ahead=181)  SEREi11stdFORE@forecast$sigma
SEREi22stdFORE<-ugarchforecast(SEREi22stdFIT,n.ahead=181)  SEREi22stdFORE@forecast$sigma
SEREi12stdFORE<-ugarchforecast(SEREi12stdFIT,n.ahead=181)  SEREi12stdFORE@forecast$sigma
SEREi21stdFORE<-ugarchforecast(SEREi21stdFIT,n.ahead=181)  SEREi21stdFORE@forecast$sigma
SEREc11stdFORE<-ugarchforecast(SEREc11stdFIT,n.ahead=181)  SEREc11stdFORE@forecast$sigma
SEREc22stdFORE<-ugarchforecast(SEREc22stdFIT,n.ahead=181)  SEREc22stdFORE@forecast$sigma
SEREc12stdFORE<-ugarchforecast(SEREc12stdFIT,n.ahead=181)  SEREc12stdFORE@forecast$sigma
SEREc21stdFORE<-ugarchforecast(SEREc21stdFIT,n.ahead=181)  SEREc21stdFORE@forecast$sigma

SEREs11norFORE<-ugarchforecast(SEREs11norFIT,n.ahead=181)  SEREs11norFORE@forecast$sigma
SEREs22norFORE<-ugarchforecast(SEREs22norFIT,n.ahead=181)  SEREs22norFORE@forecast$sigma
SEREs12norFORE<-ugarchforecast(SEREs12norFIT,n.ahead=181)  SEREs12norFORE@forecast$sigma
SEREs21norFORE<-ugarchforecast(SEREs21norFIT,n.ahead=181)  SEREs21norFORE@forecast$sigma
SEREe11norFORE<-ugarchforecast(SEREe11norFIT,n.ahead=181)  SEREe11norFORE@forecast$sigma
SEREe22norFORE<-ugarchforecast(SEREe22norFIT,n.ahead=181)  SEREe22norFORE@forecast$sigma
SEREe12norFORE<-ugarchforecast(SEREe12norFIT,n.ahead=181)  SEREe12norFORE@forecast$sigma
SEREe21norFORE<-ugarchforecast(SEREe21norFIT,n.ahead=181)  SEREe21norFORE@forecast$sigma
SEREg11norFORE<-ugarchforecast(SEREg11norFIT,n.ahead=181)  SEREg11norFORE@forecast$sigma
SEREg22norFORE<-ugarchforecast(SEREg22norFIT,n.ahead=181)  SEREg22norFORE@forecast$sigma
SEREg12norFORE<-ugarchforecast(SEREg12norFIT,n.ahead=181)  SEREg12norFORE@forecast$sigma
SEREg21norFORE<-ugarchforecast(SEREg21norFIT,n.ahead=181)  SEREg21norFORE@forecast$sigma
SEREi11norFORE<-ugarchforecast(SEREi11norFIT,n.ahead=181)  SEREi11norFORE@forecast$sigma
SEREi22norFORE<-ugarchforecast(SEREi22norFIT,n.ahead=181)  SEREi22norFORE@forecast$sigma
SEREi12norFORE<-ugarchforecast(SEREi12norFIT,n.ahead=181)  SEREi12norFORE@forecast$sigma
SEREi21norFORE<-ugarchforecast(SEREi21norFIT,n.ahead=181)  SEREi21norFORE@forecast$sigma
SEREc11norFORE<-ugarchforecast(SEREc11norFIT,n.ahead=181)  SEREc11norFORE@forecast$sigma
SEREc22norFORE<-ugarchforecast(SEREc22norFIT,n.ahead=181)  SEREc22norFORE@forecast$sigma
SEREc12norFORE<-ugarchforecast(SEREc12norFIT,n.ahead=181)  SEREc12norFORE@forecast$sigma
SEREc21norFORE<-ugarchforecast(SEREc21norFIT,n.ahead=181)  SEREc21norFORE@forecast$sigma

##Alternative Energy Forecast                              ##Alternative Energy Forecast
SEAEs11gedFORE<-ugarchforecast(SEAEs11gedFIT,n.ahead=181)  SEAEs11gedFORE@forecast$sigma
SEAEs22gedFORE<-ugarchforecast(SEAEs22gedFIT,n.ahead=181)  SEAEs22gedFORE@forecast$sigma
SEAEs12gedFORE<-ugarchforecast(SEAEs12gedFIT,n.ahead=181)  SEAEs12gedFORE@forecast$sigma
SEAEs21gedFORE<-ugarchforecast(SEAEs21gedFIT,n.ahead=181)  SEAEs21gedFORE@forecast$sigma
SEAEe11gedFORE<-ugarchforecast(SEAEe11gedFIT,n.ahead=181)  SEAEe11gedFORE@forecast$sigma
SEAEe22gedFORE<-ugarchforecast(SEAEe22gedFIT,n.ahead=181)  SEAEe22gedFORE@forecast$sigma
SEAEe12gedFORE<-ugarchforecast(SEAEe12gedFIT,n.ahead=181)  SEAEe12gedFORE@forecast$sigma
SEAEe21gedFORE<-ugarchforecast(SEAEe21gedFIT,n.ahead=181)  SEAEe21gedFORE@forecast$sigma
SEAEg11gedFORE<-ugarchforecast(SEAEg11gedFIT,n.ahead=181)  SEAEg11gedFORE@forecast$sigma
SEAEg22gedFORE<-ugarchforecast(SEAEg22gedFIT,n.ahead=181)  SEAEg22gedFORE@forecast$sigma
SEAEg12gedFORE<-ugarchforecast(SEAEg12gedFIT,n.ahead=181)  SEAEg12gedFORE@forecast$sigma
SEAEg21gedFORE<-ugarchforecast(SEAEg21gedFIT,n.ahead=181)  SEAEg21gedFORE@forecast$sigma
SEAEi11gedFORE<-ugarchforecast(SEAEi11gedFIT,n.ahead=181)  SEAEi11gedFORE@forecast$sigma
SEAEi22gedFORE<-ugarchforecast(SEAEi22gedFIT,n.ahead=181)  SEAEi22gedFORE@forecast$sigma
SEAEi12gedFORE<-ugarchforecast(SEAEi12gedFIT,n.ahead=181)  SEAEi12gedFORE@forecast$sigma
SEAEi21gedFORE<-ugarchforecast(SEAEi21gedFIT,n.ahead=181)  SEAEi21gedFORE@forecast$sigma
SEAEc11gedFORE<-ugarchforecast(SEAEc11gedFIT,n.ahead=181)  SEAEc11gedFORE@forecast$sigma
SEAEc22gedFORE<-ugarchforecast(SEAEc22gedFIT,n.ahead=181)  SEAEc22gedFORE@forecast$sigma
SEAEc12gedFORE<-ugarchforecast(SEAEc12gedFIT,n.ahead=181)  SEAEc12gedFORE@forecast$sigma
SEAEc21gedFORE<-ugarchforecast(SEAEc21gedFIT,n.ahead=181)  SEAEc21gedFORE@forecast$sigma

SEAEs11stdFORE<-ugarchforecast(SEAEs11stdFIT,n.ahead=181)  SEAEs11stdFORE@forecast$sigma
SEAEs22stdFORE<-ugarchforecast(SEAEs22stdFIT,n.ahead=181)  SEAEs22stdFORE@forecast$sigma
SEAEs12stdFORE<-ugarchforecast(SEAEs12stdFIT,n.ahead=181)  SEAEs12stdFORE@forecast$sigma
SEAEs21stdFORE<-ugarchforecast(SEAEs21stdFIT,n.ahead=181)  SEAEs21stdFORE@forecast$sigma
SEAEe11stdFORE<-ugarchforecast(SEAEe11stdFIT,n.ahead=181)  SEAEe11stdFORE@forecast$sigma
SEAEe22stdFORE<-ugarchforecast(SEAEe22stdFIT,n.ahead=181)  SEAEe22stdFORE@forecast$sigma
SEAEe12stdFORE<-ugarchforecast(SEAEe12stdFIT,n.ahead=181)  SEAEe12stdFORE@forecast$sigma
SEAEe21stdFORE<-ugarchforecast(SEAEe21stdFIT,n.ahead=181)  SEAEe21stdFORE@forecast$sigma
SEAEg11stdFORE<-ugarchforecast(SEAEg11stdFIT,n.ahead=181)  SEAEg11stdFORE@forecast$sigma
SEAEg22stdFORE<-ugarchforecast(SEAEg22stdFIT,n.ahead=181)  SEAEg22stdFORE@forecast$sigma
SEAEg12stdFORE<-ugarchforecast(SEAEg12stdFIT,n.ahead=181)  SEAEg12stdFORE@forecast$sigma
SEAEg21stdFORE<-ugarchforecast(SEAEg21stdFIT,n.ahead=181)  SEAEg21stdFORE@forecast$sigma
SEAEi11stdFORE<-ugarchforecast(SEAEi11stdFIT,n.ahead=181)  SEAEi11stdFORE@forecast$sigma
SEAEi22stdFORE<-ugarchforecast(SEAEi22stdFIT,n.ahead=181)  SEAEi22stdFORE@forecast$sigma
SEAEi12stdFORE<-ugarchforecast(SEAEi12stdFIT,n.ahead=181)  SEAEi12stdFORE@forecast$sigma
SEAEi21stdFORE<-ugarchforecast(SEAEi21stdFIT,n.ahead=181)  SEAEi21stdFORE@forecast$sigma
SEAEc11stdFORE<-ugarchforecast(SEAEc11stdFIT,n.ahead=181)  SEAEc11stdFORE@forecast$sigma
SEAEc22stdFORE<-ugarchforecast(SEAEc22stdFIT,n.ahead=181)  SEAEc22stdFORE@forecast$sigma
SEAEc12stdFORE<-ugarchforecast(SEAEc12stdFIT,n.ahead=181)  SEAEc12stdFORE@forecast$sigma
SEAEc21stdFORE<-ugarchforecast(SEAEc21stdFIT,n.ahead=181)  SEAEc21stdFORE@forecast$sigma

SEAEs11norFORE<-ugarchforecast(SEAEs11norFIT,n.ahead=181)  SEAEs11norFORE@forecast$sigma
SEAEs22norFORE<-ugarchforecast(SEAEs22norFIT,n.ahead=181)  SEAEs22norFORE@forecast$sigma
SEAEs12norFORE<-ugarchforecast(SEAEs12norFIT,n.ahead=181)  SEAEs12norFORE@forecast$sigma
SEAEs21norFORE<-ugarchforecast(SEAEs21norFIT,n.ahead=181)  SEAEs21norFORE@forecast$sigma
SEAEe11norFORE<-ugarchforecast(SEAEe11norFIT,n.ahead=181)  SEAEe11norFORE@forecast$sigma
SEAEe22norFORE<-ugarchforecast(SEAEe22norFIT,n.ahead=181)  SEAEe22norFORE@forecast$sigma
SEAEe12norFORE<-ugarchforecast(SEAEe12norFIT,n.ahead=181)  SEAEe12norFORE@forecast$sigma
SEAEe21norFORE<-ugarchforecast(SEAEe21norFIT,n.ahead=181)  SEAEe21norFORE@forecast$sigma
SEAEg11norFORE<-ugarchforecast(SEAEg11norFIT,n.ahead=181)  SEAEg11norFORE@forecast$sigma
SEAEg22norFORE<-ugarchforecast(SEAEg22norFIT,n.ahead=181)  SEAEg22norFORE@forecast$sigma
SEAEg12norFORE<-ugarchforecast(SEAEg12norFIT,n.ahead=181)  SEAEg12norFORE@forecast$sigma
SEAEg21norFORE<-ugarchforecast(SEAEg21norFIT,n.ahead=181)  SEAEg21norFORE@forecast$sigma
SEAEi11norFORE<-ugarchforecast(SEAEi11norFIT,n.ahead=181)  SEAEi11norFORE@forecast$sigma
SEAEi22norFORE<-ugarchforecast(SEAEi22norFIT,n.ahead=181)  SEAEi22norFORE@forecast$sigma
SEAEi12norFORE<-ugarchforecast(SEAEi12norFIT,n.ahead=181)  SEAEi12norFORE@forecast$sigma
SEAEi21norFORE<-ugarchforecast(SEAEi21norFIT,n.ahead=181)  SEAEi21norFORE@forecast$sigma
SEAEc11norFORE<-ugarchforecast(SEAEc11norFIT,n.ahead=181)  SEAEc11norFORE@forecast$sigma
SEAEc22norFORE<-ugarchforecast(SEAEc22norFIT,n.ahead=181)  SEAEc22norFORE@forecast$sigma
SEAEc12norFORE<-ugarchforecast(SEAEc12norFIT,n.ahead=181)  SEAEc12norFORE@forecast$sigma
SEAEc21norFORE<-ugarchforecast(SEAEc21norFIT,n.ahead=181)  SEAEc21norFORE@forecast$sigma

##Software Forecast                                        ##Software Forecast
SESOs11gedFORE<-ugarchforecast(SESOs11gedFIT,n.ahead=181)  SESOs11gedFORE@forecast$sigma
SESOs22gedFORE<-ugarchforecast(SESOs22gedFIT,n.ahead=181)  SESOs22gedFORE@forecast$sigma
SESOs12gedFORE<-ugarchforecast(SESOs12gedFIT,n.ahead=181)  SESOs12gedFORE@forecast$sigma
SESOs21gedFORE<-ugarchforecast(SESOs21gedFIT,n.ahead=181)  SESOs21gedFORE@forecast$sigma
SESOe11gedFORE<-ugarchforecast(SESOe11gedFIT,n.ahead=181)  SESOe11gedFORE@forecast$sigma
SESOe22gedFORE<-ugarchforecast(SESOe22gedFIT,n.ahead=181)  SESOe22gedFORE@forecast$sigma
SESOe12gedFORE<-ugarchforecast(SESOe12gedFIT,n.ahead=181)  SESOe12gedFORE@forecast$sigma
SESOe21gedFORE<-ugarchforecast(SESOe21gedFIT,n.ahead=181)  SESOe21gedFORE@forecast$sigma
SESOg11gedFORE<-ugarchforecast(SESOg11gedFIT,n.ahead=181)  SESOg11gedFORE@forecast$sigma
SESOg22gedFORE<-ugarchforecast(SESOg22gedFIT,n.ahead=181)  SESOg22gedFORE@forecast$sigma
SESOg12gedFORE<-ugarchforecast(SESOg12gedFIT,n.ahead=181)  SESOg12gedFORE@forecast$sigma
SESOg21gedFORE<-ugarchforecast(SESOg21gedFIT,n.ahead=181)  SESOg21gedFORE@forecast$sigma
SESOi11gedFORE<-ugarchforecast(SESOi11gedFIT,n.ahead=181)  SESOi11gedFORE@forecast$sigma
SESOi22gedFORE<-ugarchforecast(SESOi22gedFIT,n.ahead=181)  SESOi22gedFORE@forecast$sigma
SESOi12gedFORE<-ugarchforecast(SESOi12gedFIT,n.ahead=181)  SESOi12gedFORE@forecast$sigma
SESOi21gedFORE<-ugarchforecast(SESOi21gedFIT,n.ahead=181)  SESOi21gedFORE@forecast$sigma
SESOc11gedFORE<-ugarchforecast(SESOc11gedFIT,n.ahead=181)  SESOc11gedFORE@forecast$sigma
SESOc22gedFORE<-ugarchforecast(SESOc22gedFIT,n.ahead=181)  SESOc22gedFORE@forecast$sigma
SESOc12gedFORE<-ugarchforecast(SESOc12gedFIT,n.ahead=181)  SESOc12gedFORE@forecast$sigma
SESOc21gedFORE<-ugarchforecast(SESOc21gedFIT,n.ahead=181)  SESOc21gedFORE@forecast$sigma

SESOs11stdFORE<-ugarchforecast(SESOs11stdFIT,n.ahead=181)  SESOs11stdFORE@forecast$sigma
SESOs22stdFORE<-ugarchforecast(SESOs22stdFIT,n.ahead=181)  SESOs22stdFORE@forecast$sigma
SESOs12stdFORE<-ugarchforecast(SESOs12stdFIT,n.ahead=181)  SESOs12stdFORE@forecast$sigma
SESOs21stdFORE<-ugarchforecast(SESOs21stdFIT,n.ahead=181)  SESOs21stdFORE@forecast$sigma
SESOe11stdFORE<-ugarchforecast(SESOe11stdFIT,n.ahead=181)  SESOe11stdFORE@forecast$sigma
SESOe22stdFORE<-ugarchforecast(SESOe22stdFIT,n.ahead=181)  SESOe22stdFORE@forecast$sigma
SESOe12stdFORE<-ugarchforecast(SESOe12stdFIT,n.ahead=181)  SESOe12stdFORE@forecast$sigma
SESOe21stdFORE<-ugarchforecast(SESOe21stdFIT,n.ahead=181)  SESOe21stdFORE@forecast$sigma
SESOg11stdFORE<-ugarchforecast(SESOg11stdFIT,n.ahead=181)  SESOg11stdFORE@forecast$sigma
SESOg22stdFORE<-ugarchforecast(SESOg22stdFIT,n.ahead=181)  SESOg22stdFORE@forecast$sigma
SESOg12stdFORE<-ugarchforecast(SESOg12stdFIT,n.ahead=181)  SESOg12stdFORE@forecast$sigma
SESOg21stdFORE<-ugarchforecast(SESOg21stdFIT,n.ahead=181)  SESOg21stdFORE@forecast$sigma
SESOi11stdFORE<-ugarchforecast(SESOi11stdFIT,n.ahead=181)  SESOi11stdFORE@forecast$sigma
SESOi22stdFORE<-ugarchforecast(SESOi22stdFIT,n.ahead=181)  SESOi22stdFORE@forecast$sigma
SESOi12stdFORE<-ugarchforecast(SESOi12stdFIT,n.ahead=181)  SESOi12stdFORE@forecast$sigma
SESOi21stdFORE<-ugarchforecast(SESOi21stdFIT,n.ahead=181)  SESOi21stdFORE@forecast$sigma
SESOc11stdFORE<-ugarchforecast(SESOc11stdFIT,n.ahead=181)  SESOc11stdFORE@forecast$sigma
SESOc22stdFORE<-ugarchforecast(SESOc22stdFIT,n.ahead=181)  SESOc22stdFORE@forecast$sigma
SESOc12stdFORE<-ugarchforecast(SESOc12stdFIT,n.ahead=181)  SESOc12stdFORE@forecast$sigma
SESOc21stdFORE<-ugarchforecast(SESOc21stdFIT,n.ahead=181)  SESOc21stdFORE@forecast$sigma

SESOs11norFORE<-ugarchforecast(SESOs11norFIT,n.ahead=181)  SESOs11norFORE@forecast$sigma
SESOs22norFORE<-ugarchforecast(SESOs22norFIT,n.ahead=181)  SESOs22norFORE@forecast$sigma
SESOs12norFORE<-ugarchforecast(SESOs12norFIT,n.ahead=181)  SESOs12norFORE@forecast$sigma
SESOs21norFORE<-ugarchforecast(SESOs21norFIT,n.ahead=181)  SESOs21norFORE@forecast$sigma
SESOe11norFORE<-ugarchforecast(SESOe11norFIT,n.ahead=181)  SESOe11norFORE@forecast$sigma
SESOe22norFORE<-ugarchforecast(SESOe22norFIT,n.ahead=181)  SESOe22norFORE@forecast$sigma
SESOe12norFORE<-ugarchforecast(SESOe12norFIT,n.ahead=181)  SESOe12norFORE@forecast$sigma
SESOe21norFORE<-ugarchforecast(SESOe21norFIT,n.ahead=181)  SESOe21norFORE@forecast$sigma
SESOg11norFORE<-ugarchforecast(SESOg11norFIT,n.ahead=181)  SESOg11norFORE@forecast$sigma
SESOg22norFORE<-ugarchforecast(SESOg22norFIT,n.ahead=181)  SESOg22norFORE@forecast$sigma
SESOg12norFORE<-ugarchforecast(SESOg12norFIT,n.ahead=181)  SESOg12norFORE@forecast$sigma
SESOg21norFORE<-ugarchforecast(SESOg21norFIT,n.ahead=181)  SESOg21norFORE@forecast$sigma
SESOi11norFORE<-ugarchforecast(SESOi11norFIT,n.ahead=181)  SESOi11norFORE@forecast$sigma
SESOi22norFORE<-ugarchforecast(SESOi22norFIT,n.ahead=181)  SESOi22norFORE@forecast$sigma
SESOi12norFORE<-ugarchforecast(SESOi12norFIT,n.ahead=181)  SESOi12norFORE@forecast$sigma
SESOi21norFORE<-ugarchforecast(SESOi21norFIT,n.ahead=181)  SESOi21norFORE@forecast$sigma
SESOc11norFORE<-ugarchforecast(SESOc11norFIT,n.ahead=181)  SESOc11norFORE@forecast$sigma
SESOc22norFORE<-ugarchforecast(SESOc22norFIT,n.ahead=181)  SESOc22norFORE@forecast$sigma
SESOc12norFORE<-ugarchforecast(SESOc12norFIT,n.ahead=181)  SESOc12norFORE@forecast$sigma
SESOc21norFORE<-ugarchforecast(SESOc21norFIT,n.ahead=181)  SESOc21norFORE@forecast$sigma

##Technical Forecast                                       ##Technical Forecast
SETEs11gedFORE<-ugarchforecast(SETEs11gedFIT,n.ahead=181)  SETEs11gedFORE@forecast$sigma
SETEs22gedFORE<-ugarchforecast(SETEs22gedFIT,n.ahead=181)  SETEs22gedFORE@forecast$sigma
SETEs12gedFORE<-ugarchforecast(SETEs12gedFIT,n.ahead=181)  SETEs12gedFORE@forecast$sigma
SETEs21gedFORE<-ugarchforecast(SETEs21gedFIT,n.ahead=181)  SETEs21gedFORE@forecast$sigma
SETEe11gedFORE<-ugarchforecast(SETEe11gedFIT,n.ahead=181)  SETEe11gedFORE@forecast$sigma
SETEe22gedFORE<-ugarchforecast(SETEe22gedFIT,n.ahead=181)  SETEe22gedFORE@forecast$sigma
SETEe12gedFORE<-ugarchforecast(SETEe12gedFIT,n.ahead=181)  SETEe12gedFORE@forecast$sigma
SETEe21gedFORE<-ugarchforecast(SETEe21gedFIT,n.ahead=181)  SETEe21gedFORE@forecast$sigma
SETEg11gedFORE<-ugarchforecast(SETEg11gedFIT,n.ahead=181)  SETEg11gedFORE@forecast$sigma
SETEg22gedFORE<-ugarchforecast(SETEg22gedFIT,n.ahead=181)  SETEg22gedFORE@forecast$sigma
SETEg12gedFORE<-ugarchforecast(SETEg12gedFIT,n.ahead=181)  SETEg12gedFORE@forecast$sigma
SETEg21gedFORE<-ugarchforecast(SETEg21gedFIT,n.ahead=181)  SETEg21gedFORE@forecast$sigma
SETEi11gedFORE<-ugarchforecast(SETEi11gedFIT,n.ahead=181)  SETEi11gedFORE@forecast$sigma
SETEi22gedFORE<-ugarchforecast(SETEi22gedFIT,n.ahead=181)  SETEi22gedFORE@forecast$sigma
SETEi12gedFORE<-ugarchforecast(SETEi12gedFIT,n.ahead=181)  SETEi12gedFORE@forecast$sigma
SETEi21gedFORE<-ugarchforecast(SETEi21gedFIT,n.ahead=181)  SETEi21gedFORE@forecast$sigma
SETEc11gedFORE<-ugarchforecast(SETEc11gedFIT,n.ahead=181)  SETEc11gedFORE@forecast$sigma
SETEc22gedFORE<-ugarchforecast(SETEc22gedFIT,n.ahead=181)  SETEc22gedFORE@forecast$sigma
SETEc12gedFORE<-ugarchforecast(SETEc12gedFIT,n.ahead=181)  SETEc12gedFORE@forecast$sigma
SETEc21gedFORE<-ugarchforecast(SETEc21gedFIT,n.ahead=181)  SETEc21gedFORE@forecast$sigma

SETEs11stdFORE<-ugarchforecast(SETEs11stdFIT,n.ahead=181)  SETEs11stdFORE@forecast$sigma
SETEs22stdFORE<-ugarchforecast(SETEs22stdFIT,n.ahead=181)  SETEs22stdFORE@forecast$sigma
SETEs12stdFORE<-ugarchforecast(SETEs12stdFIT,n.ahead=181)  SETEs12stdFORE@forecast$sigma
SETEs21stdFORE<-ugarchforecast(SETEs21stdFIT,n.ahead=181)  SETEs21stdFORE@forecast$sigma
SETEe11stdFORE<-ugarchforecast(SETEe11stdFIT,n.ahead=181)  SETEe11stdFORE@forecast$sigma
SETEe22stdFORE<-ugarchforecast(SETEe22stdFIT,n.ahead=181)  SETEe22stdFORE@forecast$sigma
```

```
SETEe12stdFORE<-ugarchforecast(SETEe12stdFIT,n.ahead=181)  SETEe12stdFORE@forecast$sigma
SETEe21stdFORE<-ugarchforecast(SETEe21stdFIT,n.ahead=181)  SETEe21stdFORE@forecast$sigma
SETEg11stdFORE<-ugarchforecast(SETEg11stdFIT,n.ahead=181)  SETEg11stdFORE@forecast$sigma
SETEg22stdFORE<-ugarchforecast(SETEg22stdFIT,n.ahead=181)  SETEg22stdFORE@forecast$sigma
SETEg12stdFORE<-ugarchforecast(SETEg12stdFIT,n.ahead=181)  SETEg12stdFORE@forecast$sigma
SETEg21stdFORE<-ugarchforecast(SETEg21stdFIT,n.ahead=181)  SETEg21stdFORE@forecast$sigma
SETEi11stdFORE<-ugarchforecast(SETEi11stdFIT,n.ahead=181)  SETEi11stdFORE@forecast$sigma
SETEi22stdFORE<-ugarchforecast(SETEi22stdFIT,n.ahead=181)  SETEi22stdFORE@forecast$sigma
SETEi12stdFORE<-ugarchforecast(SETEi12stdFIT,n.ahead=181)  SETEi12stdFORE@forecast$sigma
SETEi21stdFORE<-ugarchforecast(SETEi21stdFIT,n.ahead=181)  SETEi21stdFORE@forecast$sigma
SETEc11stdFORE<-ugarchforecast(SETEc11stdFIT,n.ahead=181)  SETEc11stdFORE@forecast$sigma
SETEc22stdFORE<-ugarchforecast(SETEc22stdFIT,n.ahead=181)  SETEc22stdFORE@forecast$sigma
SETEc12stdFORE<-ugarchforecast(SETEc12stdFIT,n.ahead=181)  SETEc12stdFORE@forecast$sigma
SETEc21stdFORE<-ugarchforecast(SETEc21stdFIT,n.ahead=181)  SETEc21stdFORE@forecast$sigma

SETEs11norFORE<-ugarchforecast(SETEs11norFIT,n.ahead=181)  SETEs11norFORE@forecast$sigma
SETEs22norFORE<-ugarchforecast(SETEs22norFIT,n.ahead=181)  SETEs22norFORE@forecast$sigma
SETEs12norFORE<-ugarchforecast(SETEs12norFIT,n.ahead=181)  SETEs12norFORE@forecast$sigma
SETEs21norFORE<-ugarchforecast(SETEs21norFIT,n.ahead=181)  SETEs21norFORE@forecast$sigma
SETEe11norFORE<-ugarchforecast(SETEe11norFIT,n.ahead=181)  SETEe11norFORE@forecast$sigma
SETEe22norFORE<-ugarchforecast(SETEe22norFIT,n.ahead=181)  SETEe22norFORE@forecast$sigma
SETEe12norFORE<-ugarchforecast(SETEe12norFIT,n.ahead=181)  SETEe12norFORE@forecast$sigma
SETEe21norFORE<-ugarchforecast(SETEe21norFIT,n.ahead=181)  SETEe21norFORE@forecast$sigma
SETEg11norFORE<-ugarchforecast(SETEg11norFIT,n.ahead=181)  SETEg11norFORE@forecast$sigma
SETEg22norFORE<-ugarchforecast(SETEg22norFIT,n.ahead=181)  SETEg22norFORE@forecast$sigma
SETEg12norFORE<-ugarchforecast(SETEg12norFIT,n.ahead=181)  SETEg12norFORE@forecast$sigma
SETEg21norFORE<-ugarchforecast(SETEg21norFIT,n.ahead=181)  SETEg21norFORE@forecast$sigma
SETEi11norFORE<-ugarchforecast(SETEi11norFIT,n.ahead=181)  SETEi11norFORE@forecast$sigma
SETEi22norFORE<-ugarchforecast(SETEi22norFIT,n.ahead=181)  SETEi22norFORE@forecast$sigma
SETEi12norFORE<-ugarchforecast(SETEi12norFIT,n.ahead=181)  SETEi12norFORE@forecast$sigma
SETEi21norFORE<-ugarchforecast(SETEi21norFIT,n.ahead=181)  SETEi21norFORE@forecast$sigma
SETEc11norFORE<-ugarchforecast(SETEc11norFIT,n.ahead=181)  SETEc11norFORE@forecast$sigma
SETEc22norFORE<-ugarchforecast(SETEc22norFIT,n.ahead=181)  SETEc22norFORE@forecast$sigma
SETEc12norFORE<-ugarchforecast(SETEc12norFIT,n.ahead=181)  SETEc12norFORE@forecast$sigma
SETEc21norFORE<-ugarchforecast(SETEc21norFIT,n.ahead=181)  SETEc21norFORE@forecast$sigma

##Beverages Forecast                                       ##Beverages Forecast
SEBEs11gedFORE<-ugarchforecast(SEBEs11gedFIT,n.ahead=181)  SEBEs11gedFORE@forecast$sigma
SEBEs22gedFORE<-ugarchforecast(SEBEs22gedFIT,n.ahead=181)  SEBEs22gedFORE@forecast$sigma
SEBEs12gedFORE<-ugarchforecast(SEBEs12gedFIT,n.ahead=181)  SEBEs12gedFORE@forecast$sigma
SEBEs21gedFORE<-ugarchforecast(SEBEs21gedFIT,n.ahead=181)  SEBEs21gedFORE@forecast$sigma
SEBEe11gedFORE<-ugarchforecast(SEBEe11gedFIT,n.ahead=181)  SEBEe11gedFORE@forecast$sigma
SEBEe22gedFORE<-ugarchforecast(SEBEe22gedFIT,n.ahead=181)  SEBEe22gedFORE@forecast$sigma
SEBEe12gedFORE<-ugarchforecast(SEBEe12gedFIT,n.ahead=181)  SEBEe12gedFORE@forecast$sigma
SEBEe21gedFORE<-ugarchforecast(SEBEe21gedFIT,n.ahead=181)  SEBEe21gedFORE@forecast$sigma
SEBEg11gedFORE<-ugarchforecast(SEBEg11gedFIT,n.ahead=181)  SEBEg11gedFORE@forecast$sigma
SEBEg22gedFORE<-ugarchforecast(SEBEg22gedFIT,n.ahead=181)  SEBEg22gedFORE@forecast$sigma
SEBEg12gedFORE<-ugarchforecast(SEBEg12gedFIT,n.ahead=181)  SEBEg12gedFORE@forecast$sigma
SEBEg21gedFORE<-ugarchforecast(SEBEg21gedFIT,n.ahead=181)  SEBEg21gedFORE@forecast$sigma
SEBEi11gedFORE<-ugarchforecast(SEBEi11gedFIT,n.ahead=181)  SEBEi11gedFORE@forecast$sigma
SEBEi22gedFORE<-ugarchforecast(SEBEi22gedFIT,n.ahead=181)  SEBEi22gedFORE@forecast$sigma
SEBEi12gedFORE<-ugarchforecast(SEBEi12gedFIT,n.ahead=181)  SEBEi12gedFORE@forecast$sigma
SEBEi21gedFORE<-ugarchforecast(SEBEi21gedFIT,n.ahead=181)  SEBEi21gedFORE@forecast$sigma
SEBEc11gedFORE<-ugarchforecast(SEBEc11gedFIT,n.ahead=181)  SEBEc11gedFORE@forecast$sigma
SEBEc22gedFORE<-ugarchforecast(SEBEc22gedFIT,n.ahead=181)  SEBEc22gedFORE@forecast$sigma
SEBEc12gedFORE<-ugarchforecast(SEBEc12gedFIT,n.ahead=181)  SEBEc12gedFORE@forecast$sigma
SEBEc21gedFORE<-ugarchforecast(SEBEc21gedFIT,n.ahead=181)  SEBEc21gedFORE@forecast$sigma

SEBEs11stdFORE<-ugarchforecast(SEBEs11stdFIT,n.ahead=181)  SEBEs11stdFORE@forecast$sigma
SEBEs22stdFORE<-ugarchforecast(SEBEs22stdFIT,n.ahead=181)  SEBEs22stdFORE@forecast$sigma
SEBEs12stdFORE<-ugarchforecast(SEBEs12stdFIT,n.ahead=181)  SEBEs12stdFORE@forecast$sigma
SEBEs21stdFORE<-ugarchforecast(SEBEs21stdFIT,n.ahead=181)  SEBEs21stdFORE@forecast$sigma
SEBEe11stdFORE<-ugarchforecast(SEBEe11stdFIT,n.ahead=181)  SEBEe11stdFORE@forecast$sigma
SEBEe22stdFORE<-ugarchforecast(SEBEe22stdFIT,n.ahead=181)  SEBEe22stdFORE@forecast$sigma
SEBEe12stdFORE<-ugarchforecast(SEBEe12stdFIT,n.ahead=181)  SEBEe12stdFORE@forecast$sigma
SEBEe21stdFORE<-ugarchforecast(SEBEe21stdFIT,n.ahead=181)  SEBEe21stdFORE@forecast$sigma
SEBEg11stdFORE<-ugarchforecast(SEBEg11stdFIT,n.ahead=181)  SEBEg11stdFORE@forecast$sigma
SEBEg22stdFORE<-ugarchforecast(SEBEg22stdFIT,n.ahead=181)  SEBEg22stdFORE@forecast$sigma
SEBEg12stdFORE<-ugarchforecast(SEBEg12stdFIT,n.ahead=181)  SEBEg12stdFORE@forecast$sigma
SEBEg21stdFORE<-ugarchforecast(SEBEg21stdFIT,n.ahead=181)  SEBEg21stdFORE@forecast$sigma
SEBEi11stdFORE<-ugarchforecast(SEBEi11stdFIT,n.ahead=181)  SEBEi11stdFORE@forecast$sigma
SEBEi22stdFORE<-ugarchforecast(SEBEi22stdFIT,n.ahead=181)  SEBEi22stdFORE@forecast$sigma
SEBEi12stdFORE<-ugarchforecast(SEBEi12stdFIT,n.ahead=181)  SEBEi12stdFORE@forecast$sigma
SEBEi21stdFORE<-ugarchforecast(SEBEi21stdFIT,n.ahead=181)  SEBEi21stdFORE@forecast$sigma
SEBEc11stdFORE<-ugarchforecast(SEBEc11stdFIT,n.ahead=181)  SEBEc11stdFORE@forecast$sigma
SEBEc22stdFORE<-ugarchforecast(SEBEc22stdFIT,n.ahead=181)  SEBEc22stdFORE@forecast$sigma
SEBEc12stdFORE<-ugarchforecast(SEBEc12stdFIT,n.ahead=181)  SEBEc12stdFORE@forecast$sigma
SEBEc21stdFORE<-ugarchforecast(SEBEc21stdFIT,n.ahead=181)  SEBEc21stdFORE@forecast$sigma

SEBEs11norFORE<-ugarchforecast(SEBEs11norFIT,n.ahead=181)  SEBEs11norFORE@forecast$sigma
SEBEs22norFORE<-ugarchforecast(SEBEs22norFIT,n.ahead=181)  SEBEs22norFORE@forecast$sigma
SEBEs12norFORE<-ugarchforecast(SEBEs12norFIT,n.ahead=181)  SEBEs12norFORE@forecast$sigma
SEBEs21norFORE<-ugarchforecast(SEBEs21norFIT,n.ahead=181)  SEBEs21norFORE@forecast$sigma
SEBEe11norFORE<-ugarchforecast(SEBEe11norFIT,n.ahead=181)  SEBEe11norFORE@forecast$sigma
SEBEe22norFORE<-ugarchforecast(SEBEe22norFIT,n.ahead=181)  SEBEe22norFORE@forecast$sigma
SEBEe12norFORE<-ugarchforecast(SEBEe12norFIT,n.ahead=181)  SEBEe12norFORE@forecast$sigma
SEBEe21norFORE<-ugarchforecast(SEBEe21norFIT,n.ahead=181)  SEBEe21norFORE@forecast$sigma
SEBEg11norFORE<-ugarchforecast(SEBEg11norFIT,n.ahead=181)  SEBEg11norFORE@forecast$sigma
SEBEg22norFORE<-ugarchforecast(SEBEg22norFIT,n.ahead=181)  SEBEg22norFORE@forecast$sigma
SEBEg12norFORE<-ugarchforecast(SEBEg12norFIT,n.ahead=181)  SEBEg12norFORE@forecast$sigma
SEBEg21norFORE<-ugarchforecast(SEBEg21norFIT,n.ahead=181)  SEBEg21norFORE@forecast$sigma
SEBEi11norFORE<-ugarchforecast(SEBEi11norFIT,n.ahead=181)  SEBEi11norFORE@forecast$sigma
SEBEi22norFORE<-ugarchforecast(SEBEi22norFIT,n.ahead=181)  SEBEi22norFORE@forecast$sigma
SEBEi12norFORE<-ugarchforecast(SEBEi12norFIT,n.ahead=181)  SEBEi12norFORE@forecast$sigma
SEBEi21norFORE<-ugarchforecast(SEBEi21norFIT,n.ahead=181)  SEBEi21norFORE@forecast$sigma
SEBEc11norFORE<-ugarchforecast(SEBEc11norFIT,n.ahead=181)  SEBEc11norFORE@forecast$sigma
SEBEc22norFORE<-ugarchforecast(SEBEc22norFIT,n.ahead=181)  SEBEc22norFORE@forecast$sigma
SEBEc12norFORE<-ugarchforecast(SEBEc12norFIT,n.ahead=181)  SEBEc12norFORE@forecast$sigma
SEBEc21norFORE<-ugarchforecast(SEBEc21norFIT,n.ahead=181)  SEBEc21norFORE@forecast$sigma

##Total European Market Forecast                           ##Total European Market Forecast
SEETs11gedFORE<-ugarchforecast(SEETs11gedFIT,n.ahead=181)  SEETs11gedFORE@forecast$sigma
SEETs22gedFORE<-ugarchforecast(SEETs22gedFIT,n.ahead=181)  SEETs22gedFORE@forecast$sigma
SEETs12gedFORE<-ugarchforecast(SEETs12gedFIT,n.ahead=181)  SEETs12gedFORE@forecast$sigma
SEETs21gedFORE<-ugarchforecast(SEETs21gedFIT,n.ahead=181)  SEETs21gedFORE@forecast$sigma
SEETe11gedFORE<-ugarchforecast(SEETe11gedFIT,n.ahead=181)  SEETe11gedFORE@forecast$sigma
SEETe22gedFORE<-ugarchforecast(SEETe22gedFIT,n.ahead=181)  SEETe22gedFORE@forecast$sigma
SEETe12gedFORE<-ugarchforecast(SEETe12gedFIT,n.ahead=181)  SEETe12gedFORE@forecast$sigma
SEETe21gedFORE<-ugarchforecast(SEETe21gedFIT,n.ahead=181)  SEETe21gedFORE@forecast$sigma
SEETg11gedFORE<-ugarchforecast(SEETg11gedFIT,n.ahead=181)  SEETg11gedFORE@forecast$sigma
SEETg22gedFORE<-ugarchforecast(SEETg22gedFIT,n.ahead=181)  SEETg22gedFORE@forecast$sigma
SEETg12gedFORE<-ugarchforecast(SEETg12gedFIT,n.ahead=181)  SEETg12gedFORE@forecast$sigma
SEETg21gedFORE<-ugarchforecast(SEETg21gedFIT,n.ahead=181)  SEETg21gedFORE@forecast$sigma
SEETi11gedFORE<-ugarchforecast(SEETi11gedFIT,n.ahead=181)  SEETi11gedFORE@forecast$sigma
SEETi22gedFORE<-ugarchforecast(SEETi22gedFIT,n.ahead=181)  SEETi22gedFORE@forecast$sigma
SEETi12gedFORE<-ugarchforecast(SEETi12gedFIT,n.ahead=181)  SEETi12gedFORE@forecast$sigma
SEETi21gedFORE<-ugarchforecast(SEETi21gedFIT,n.ahead=181)  SEETi21gedFORE@forecast$sigma
SEETc11gedFORE<-ugarchforecast(SEETc11gedFIT,n.ahead=181)  SEETc11gedFORE@forecast$sigma
SEETc22gedFORE<-ugarchforecast(SEETc22gedFIT,n.ahead=181)  SEETc22gedFORE@forecast$sigma
SEETc12gedFORE<-ugarchforecast(SEETc12gedFIT,n.ahead=181)  SEETc12gedFORE@forecast$sigma
SEETc21gedFORE<-ugarchforecast(SEETc21gedFIT,n.ahead=181)  SEETc21gedFORE@forecast$sigma

SEETs11stdFORE<-ugarchforecast(SEETs11stdFIT,n.ahead=181)  SEETs11stdFORE@forecast$sigma
SEETs22stdFORE<-ugarchforecast(SEETs22stdFIT,n.ahead=181)  SEETs22stdFORE@forecast$sigma
SEETs12stdFORE<-ugarchforecast(SEETs12stdFIT,n.ahead=181)  SEETs12stdFORE@forecast$sigma
SEETs21stdFORE<-ugarchforecast(SEETs21stdFIT,n.ahead=181)  SEETs21stdFORE@forecast$sigma
SEETe11stdFORE<-ugarchforecast(SEETe11stdFIT,n.ahead=181)  SEETe11stdFORE@forecast$sigma
SEETe22stdFORE<-ugarchforecast(SEETe22stdFIT,n.ahead=181)  SEETe22stdFORE@forecast$sigma
SEETe12stdFORE<-ugarchforecast(SEETe12stdFIT,n.ahead=181)  SEETe12stdFORE@forecast$sigma
SEETe21stdFORE<-ugarchforecast(SEETe21stdFIT,n.ahead=181)  SEETe21stdFORE@forecast$sigma
SEETg11stdFORE<-ugarchforecast(SEETg11stdFIT,n.ahead=181)  SEETg11stdFORE@forecast$sigma
SEETg22stdFORE<-ugarchforecast(SEETg22stdFIT,n.ahead=181)  SEETg22stdFORE@forecast$sigma
SEETg12stdFORE<-ugarchforecast(SEETg12stdFIT,n.ahead=181)  SEETg12stdFORE@forecast$sigma
SEETg21stdFORE<-ugarchforecast(SEETg21stdFIT,n.ahead=181)  SEETg21stdFORE@forecast$sigma
SEETi11stdFORE<-ugarchforecast(SEETi11stdFIT,n.ahead=181)  SEETi11stdFORE@forecast$sigma
SEETi22stdFORE<-ugarchforecast(SEETi22stdFIT,n.ahead=181)  SEETi22stdFORE@forecast$sigma
SEETi12stdFORE<-ugarchforecast(SEETi12stdFIT,n.ahead=181)  SEETi12stdFORE@forecast$sigma
SEETi21stdFORE<-ugarchforecast(SEETi21stdFIT,n.ahead=181)  SEETi21stdFORE@forecast$sigma
SEETc11stdFORE<-ugarchforecast(SEETc11stdFIT,n.ahead=181)  SEETc11stdFORE@forecast$sigma
SEETc22stdFORE<-ugarchforecast(SEETc22stdFIT,n.ahead=181)  SEETc22stdFORE@forecast$sigma
SEETc12stdFORE<-ugarchforecast(SEETc12stdFIT,n.ahead=181)  SEETc12stdFORE@forecast$sigma
SEETc21stdFORE<-ugarchforecast(SEETc21stdFIT,n.ahead=181)  SEETc21stdFORE@forecast$sigma

SEETs11norFORE<-ugarchforecast(SEETs11norFIT,n.ahead=181)  SEETs11norFORE@forecast$sigma
SEETs22norFORE<-ugarchforecast(SEETs22norFIT,n.ahead=181)  SEETs22norFORE@forecast$sigma
SEETs12norFORE<-ugarchforecast(SEETs12norFIT,n.ahead=181)  SEETs12norFORE@forecast$sigma
SEETs21norFORE<-ugarchforecast(SEETs21norFIT,n.ahead=181)  SEETs21norFORE@forecast$sigma
SEETe11norFORE<-ugarchforecast(SEETe11norFIT,n.ahead=181)  SEETe11norFORE@forecast$sigma
SEETe22norFORE<-ugarchforecast(SEETe22norFIT,n.ahead=181)  SEETe22norFORE@forecast$sigma
SEETe12norFORE<-ugarchforecast(SEETe12norFIT,n.ahead=181)  SEETe12norFORE@forecast$sigma
SEETe21norFORE<-ugarchforecast(SEETe21norFIT,n.ahead=181)  SEETe21norFORE@forecast$sigma
SEETg11norFORE<-ugarchforecast(SEETg11norFIT,n.ahead=181)  SEETg11norFORE@forecast$sigma
SEETg22norFORE<-ugarchforecast(SEETg22norFIT,n.ahead=181)  SEETg22norFORE@forecast$sigma
SEETg12norFORE<-ugarchforecast(SEETg12norFIT,n.ahead=181)  SEETg12norFORE@forecast$sigma
SEETg21norFORE<-ugarchforecast(SEETg21norFIT,n.ahead=181)  SEETg21norFORE@forecast$sigma
SEETi11norFORE<-ugarchforecast(SEETi11norFIT,n.ahead=181)  SEETi11norFORE@forecast$sigma
SEETi22norFORE<-ugarchforecast(SEETi22norFIT,n.ahead=181)  SEETi22norFORE@forecast$sigma
SEETi12norFORE<-ugarchforecast(SEETi12norFIT,n.ahead=181)  SEETi12norFORE@forecast$sigma
SEETi21norFORE<-ugarchforecast(SEETi21norFIT,n.ahead=181)  SEETi21norFORE@forecast$sigma
SEETc11norFORE<-ugarchforecast(SEETc11norFIT,n.ahead=181)  SEETc11norFORE@forecast$sigma
SEETc22norFORE<-ugarchforecast(SEETc22norFIT,n.ahead=181)  SEETc22norFORE@forecast$sigma
SEETc12norFORE<-ugarchforecast(SEETc12norFIT,n.ahead=181)  SEETc12norFORE@forecast$sigma
SEETc21norFORE<-ugarchforecast(SEETc21norFIT,n.ahead=181)  SEETc21norFORE@forecast$sigma

##Chemcials Forecast                                       ##Chemcials Forecast
SEChs11gedFORE<-ugarchforecast(SEChs11gedFIT,n.ahead=181)  SEChs11gedFORE@forecast$sigma
SEChs22gedFORE<-ugarchforecast(SEChs22gedFIT,n.ahead=181)  SEChs22gedFORE@forecast$sigma
SEChs12gedFORE<-ugarchforecast(SEChs12gedFIT,n.ahead=181)  SEChs12gedFORE@forecast$sigma
SEChs21gedFORE<-ugarchforecast(SEChs21gedFIT,n.ahead=181)  SEChs21gedFORE@forecast$sigma
SEChe11gedFORE<-ugarchforecast(SEChe11gedFIT,n.ahead=181)  SEChe11gedFORE@forecast$sigma
SEChe22gedFORE<-ugarchforecast(SEChe22gedFIT,n.ahead=181)  SEChe22gedFORE@forecast$sigma
SEChe12gedFORE<-ugarchforecast(SEChe12gedFIT,n.ahead=181)  SEChe12gedFORE@forecast$sigma
SEChe21gedFORE<-ugarchforecast(SEChe21gedFIT,n.ahead=181)  SEChe21gedFORE@forecast$sigma
SEChg11gedFORE<-ugarchforecast(SEChg11gedFIT,n.ahead=181)  SEChg11gedFORE@forecast$sigma
SEChg22gedFORE<-ugarchforecast(SEChg22gedFIT,n.ahead=181)  SEChg22gedFORE@forecast$sigma
SEChg12gedFORE<-ugarchforecast(SEChg12gedFIT,n.ahead=181)  SEChg12gedFORE@forecast$sigma
SEChg21gedFORE<-ugarchforecast(SEChg21gedFIT,n.ahead=181)  SEChg21gedFORE@forecast$sigma
SEChi11gedFORE<-ugarchforecast(SEChi11gedFIT,n.ahead=181)  SEChi11gedFORE@forecast$sigma
SEChi22gedFORE<-ugarchforecast(SEChi22gedFIT,n.ahead=181)  SEChi22gedFORE@forecast$sigma
SEChi12gedFORE<-ugarchforecast(SEChi12gedFIT,n.ahead=181)  SEChi12gedFORE@forecast$sigma
SEChi21gedFORE<-ugarchforecast(SEChi21gedFIT,n.ahead=181)  SEChi21gedFORE@forecast$sigma
SEChc11gedFORE<-ugarchforecast(SEChc11gedFIT,n.ahead=181)  SEChc11gedFORE@forecast$sigma
SEChc22gedFORE<-ugarchforecast(SEChc22gedFIT,n.ahead=181)  SEChc22gedFORE@forecast$sigma
SEChc12gedFORE<-ugarchforecast(SEChc12gedFIT,n.ahead=181)  SEChc12gedFORE@forecast$sigma
SEChc21gedFORE<-ugarchforecast(SEChc21gedFIT,n.ahead=181)  SEChc21gedFORE@forecast$sigma

SEChs11stdFORE<-ugarchforecast(SEChs11stdFIT,n.ahead=181)  SEChs11stdFORE@forecast$sigma
SEChs22stdFORE<-ugarchforecast(SEChs22stdFIT,n.ahead=181)  SEChs22stdFORE@forecast$sigma
SEChs12stdFORE<-ugarchforecast(SEChs12stdFIT,n.ahead=181)  SEChs12stdFORE@forecast$sigma
SEChs21stdFORE<-ugarchforecast(SEChs21stdFIT,n.ahead=181)  SEChs21stdFORE@forecast$sigma
SEChe11stdFORE<-ugarchforecast(SEChe11stdFIT,n.ahead=181)  SEChe11stdFORE@forecast$sigma
SEChe22stdFORE<-ugarchforecast(SEChe22stdFIT,n.ahead=181)  SEChe22stdFORE@forecast$sigma
SEChe12stdFORE<-ugarchforecast(SEChe12stdFIT,n.ahead=181)  SEChe12stdFORE@forecast$sigma
SEChe21stdFORE<-ugarchforecast(SEChe21stdFIT,n.ahead=181)  SEChe21stdFORE@forecast$sigma
SEChg11stdFORE<-ugarchforecast(SEChg11stdFIT,n.ahead=181)  SEChg11stdFORE@forecast$sigma
```

```
SEChg22stdFORE<-ugarchforecast(SEChg22stdFIT,n.ahead=181)  SEChg22stdFORE@forecast$sigma
SEChg12stdFORE<-ugarchforecast(SEChg12stdFIT,n.ahead=181)  SEChg12stdFORE@forecast$sigma
SEChg21stdFORE<-ugarchforecast(SEChg21stdFIT,n.ahead=181)  SEChg21stdFORE@forecast$sigma
SEChi11stdFORE<-ugarchforecast(SEChi11stdFIT,n.ahead=181)  SEChi11stdFORE@forecast$sigma
SEChi22stdFORE<-ugarchforecast(SEChi22stdFIT,n.ahead=181)  SEChi22stdFORE@forecast$sigma
SEChi12stdFORE<-ugarchforecast(SEChi12stdFIT,n.ahead=181)  SEChi12stdFORE@forecast$sigma
SEChi21stdFORE<-ugarchforecast(SEChi21stdFIT,n.ahead=181)  SEChi21stdFORE@forecast$sigma
SEChc11stdFORE<-ugarchforecast(SEChc11stdFIT,n.ahead=181)  SEChc11stdFORE@forecast$sigma
SEChc22stdFORE<-ugarchforecast(SEChc22stdFIT,n.ahead=181)  SEChc22stdFORE@forecast$sigma
SEChc12stdFORE<-ugarchforecast(SEChc12stdFIT,n.ahead=181)  SEChc12stdFORE@forecast$sigma
SEChc21stdFORE<-ugarchforecast(SEChc21stdFIT,n.ahead=181)  SEChc21stdFORE@forecast$sigma

SEChs11norFORE<-ugarchforecast(SEChs11norFIT,n.ahead=181)  SEChs11norFORE@forecast$sigma
SEChs22norFORE<-ugarchforecast(SEChs22norFIT,n.ahead=181)  SEChs22norFORE@forecast$sigma
SEChs12norFORE<-ugarchforecast(SEChs12norFIT,n.ahead=181)  SEChs12norFORE@forecast$sigma
SEChs21norFORE<-ugarchforecast(SEChs21norFIT,n.ahead=181)  SEChs21norFORE@forecast$sigma
SEChe11norFORE<-ugarchforecast(SEChe11norFIT,n.ahead=181)  SEChe11norFORE@forecast$sigma
SEChe22norFORE<-ugarchforecast(SEChe22norFIT,n.ahead=181)  SEChe22norFORE@forecast$sigma
SEChe12norFORE<-ugarchforecast(SEChe12norFIT,n.ahead=181)  SEChe12norFORE@forecast$sigma
SEChe21norFORE<-ugarchforecast(SEChe21norFIT,n.ahead=181)  SEChe21norFORE@forecast$sigma
SEChg11norFORE<-ugarchforecast(SEChg11norFIT,n.ahead=181)  SEChg11norFORE@forecast$sigma
SEChg22norFORE<-ugarchforecast(SEChg22norFIT,n.ahead=181)  SEChg22norFORE@forecast$sigma
SEChg12norFORE<-ugarchforecast(SEChg12norFIT,n.ahead=181)  SEChg12norFORE@forecast$sigma
SEChg21norFORE<-ugarchforecast(SEChg21norFIT,n.ahead=181)  SEChg21norFORE@forecast$sigma
SEChi11norFORE<-ugarchforecast(SEChi11norFIT,n.ahead=181)  SEChi11norFORE@forecast$sigma
SEChi22norFORE<-ugarchforecast(SEChi22norFIT,n.ahead=181)  SEChi22norFORE@forecast$sigma
SEChi12norFORE<-ugarchforecast(SEChi12norFIT,n.ahead=181)  SEChi12norFORE@forecast$sigma
SEChi21norFORE<-ugarchforecast(SEChi21norFIT,n.ahead=181)  SEChi21norFORE@forecast$sigma
SEChc11norFORE<-ugarchforecast(SEChc11norFIT,n.ahead=181)  SEChc11norFORE@forecast$sigma
SEChc22norFORE<-ugarchforecast(SEChc22norFIT,n.ahead=181)  SEChc22norFORE@forecast$sigma
SEChc12norFORE<-ugarchforecast(SEChc12norFIT,n.ahead=181)  SEChc12norFORE@forecast$sigma
SEChc21norFORE<-ugarchforecast(SEChc21norFIT,n.ahead=181)  SEChc21norFORE@forecast$sigma

##Auto and Parts Forecast                                  ##Auto and Parts Forecast
SEAPs11gedFORE<-ugarchforecast(SEAPs11gedFIT,n.ahead=181)  SEAPs11gedFORE@forecast$sigma
SEAPs22gedFORE<-ugarchforecast(SEAPs22gedFIT,n.ahead=181)  SEAPs22gedFORE@forecast$sigma
SEAPs12gedFORE<-ugarchforecast(SEAPs12gedFIT,n.ahead=181)  SEAPs12gedFORE@forecast$sigma
SEAPs21gedFORE<-ugarchforecast(SEAPs21gedFIT,n.ahead=181)  SEAPs21gedFORE@forecast$sigma
SEAPe11gedFORE<-ugarchforecast(SEAPe11gedFIT,n.ahead=181)  SEAPe11gedFORE@forecast$sigma
SEAPe22gedFORE<-ugarchforecast(SEAPe22gedFIT,n.ahead=181)  SEAPe22gedFORE@forecast$sigma
SEAPe12gedFORE<-ugarchforecast(SEAPe12gedFIT,n.ahead=181)  SEAPe12gedFORE@forecast$sigma
SEAPe21gedFORE<-ugarchforecast(SEAPe21gedFIT,n.ahead=181)  SEAPe21gedFORE@forecast$sigma
SEAPg11gedFORE<-ugarchforecast(SEAPg11gedFIT,n.ahead=181)  SEAPg11gedFORE@forecast$sigma
SEAPg22gedFORE<-ugarchforecast(SEAPg22gedFIT,n.ahead=181)  SEAPg22gedFORE@forecast$sigma
SEAPg12gedFORE<-ugarchforecast(SEAPg12gedFIT,n.ahead=181)  SEAPg12gedFORE@forecast$sigma
SEAPg21gedFORE<-ugarchforecast(SEAPg21gedFIT,n.ahead=181)  SEAPg21gedFORE@forecast$sigma
SEAPi11gedFORE<-ugarchforecast(SEAPi11gedFIT,n.ahead=181)  SEAPi11gedFORE@forecast$sigma
SEAPi22gedFORE<-ugarchforecast(SEAPi22gedFIT,n.ahead=181)  SEAPi22gedFORE@forecast$sigma
SEAPi12gedFORE<-ugarchforecast(SEAPi12gedFIT,n.ahead=181)  SEAPi12gedFORE@forecast$sigma
SEAPi21gedFORE<-ugarchforecast(SEAPi21gedFIT,n.ahead=181)  SEAPi21gedFORE@forecast$sigma
SEAPc11gedFORE<-ugarchforecast(SEAPc11gedFIT,n.ahead=181)  SEAPc11gedFORE@forecast$sigma
SEAPc22gedFORE<-ugarchforecast(SEAPc22gedFIT,n.ahead=181)  SEAPc22gedFORE@forecast$sigma
SEAPc12gedFORE<-ugarchforecast(SEAPc12gedFIT,n.ahead=181)  SEAPc12gedFORE@forecast$sigma
SEAPc21gedFORE<-ugarchforecast(SEAPc21gedFIT,n.ahead=181)  SEAPc21gedFORE@forecast$sigma

SEAPs11stdFORE<-ugarchforecast(SEAPs11stdFIT,n.ahead=181)  SEAPs11stdFORE@forecast$sigma
SEAPs22stdFORE<-ugarchforecast(SEAPs22stdFIT,n.ahead=181)  SEAPs22stdFORE@forecast$sigma
SEAPs12stdFORE<-ugarchforecast(SEAPs12stdFIT,n.ahead=181)  SEAPs12stdFORE@forecast$sigma
SEAPs21stdFORE<-ugarchforecast(SEAPs21stdFIT,n.ahead=181)  SEAPs21stdFORE@forecast$sigma
SEAPe11stdFORE<-ugarchforecast(SEAPe11stdFIT,n.ahead=181)  SEAPe11stdFORE@forecast$sigma
SEAPe22stdFORE<-ugarchforecast(SEAPe22stdFIT,n.ahead=181)  SEAPe22stdFORE@forecast$sigma
SEAPe12stdFORE<-ugarchforecast(SEAPe12stdFIT,n.ahead=181)  SEAPe12stdFORE@forecast$sigma
SEAPe21stdFORE<-ugarchforecast(SEAPe21stdFIT,n.ahead=181)  SEAPe21stdFORE@forecast$sigma
SEAPg11stdFORE<-ugarchforecast(SEAPg11stdFIT,n.ahead=181)  SEAPg11stdFORE@forecast$sigma
SEAPg22stdFORE<-ugarchforecast(SEAPg22stdFIT,n.ahead=181)  SEAPg22stdFORE@forecast$sigma
SEAPg12stdFORE<-ugarchforecast(SEAPg12stdFIT,n.ahead=181)  SEAPg12stdFORE@forecast$sigma
SEAPg21stdFORE<-ugarchforecast(SEAPg21stdFIT,n.ahead=181)  SEAPg21stdFORE@forecast$sigma
SEAPi11stdFORE<-ugarchforecast(SEAPi11stdFIT,n.ahead=181)  SEAPi11stdFORE@forecast$sigma
SEAPi22stdFORE<-ugarchforecast(SEAPi22stdFIT,n.ahead=181)  SEAPi22stdFORE@forecast$sigma
SEAPi12stdFORE<-ugarchforecast(SEAPi12stdFIT,n.ahead=181)  SEAPi12stdFORE@forecast$sigma
SEAPi21stdFORE<-ugarchforecast(SEAPi21stdFIT,n.ahead=181)  SEAPi21stdFORE@forecast$sigma
SEAPc11stdFORE<-ugarchforecast(SEAPc11stdFIT,n.ahead=181)  SEAPc11stdFORE@forecast$sigma
SEAPc22stdFORE<-ugarchforecast(SEAPc22stdFIT,n.ahead=181)  SEAPc22stdFORE@forecast$sigma
SEAPc12stdFORE<-ugarchforecast(SEAPc12stdFIT,n.ahead=181)  SEAPc12stdFORE@forecast$sigma
SEAPc21stdFORE<-ugarchforecast(SEAPc21stdFIT,n.ahead=181)  SEAPc21stdFORE@forecast$sigma

SEAPs11norFORE<-ugarchforecast(SEAPs11norFIT,n.ahead=181)  SEAPs11norFORE@forecast$sigma
SEAPs22norFORE<-ugarchforecast(SEAPs22norFIT,n.ahead=181)  SEAPs22norFORE@forecast$sigma
SEAPs12norFORE<-ugarchforecast(SEAPs12norFIT,n.ahead=181)  SEAPs12norFORE@forecast$sigma
SEAPs21norFORE<-ugarchforecast(SEAPs21norFIT,n.ahead=181)  SEAPs21norFORE@forecast$sigma
SEAPe11norFORE<-ugarchforecast(SEAPe11norFIT,n.ahead=181)  SEAPe11norFORE@forecast$sigma
SEAPe22norFORE<-ugarchforecast(SEAPe22norFIT,n.ahead=181)  SEAPe22norFORE@forecast$sigma
SEAPe12norFORE<-ugarchforecast(SEAPe12norFIT,n.ahead=181)  SEAPe12norFORE@forecast$sigma
SEAPe21norFORE<-ugarchforecast(SEAPe21norFIT,n.ahead=181)  SEAPe21norFORE@forecast$sigma
SEAPg11norFORE<-ugarchforecast(SEAPg11norFIT,n.ahead=181)  SEAPg11norFORE@forecast$sigma
SEAPg22norFORE<-ugarchforecast(SEAPg22norFIT,n.ahead=181)  SEAPg22norFORE@forecast$sigma
SEAPg12norFORE<-ugarchforecast(SEAPg12norFIT,n.ahead=181)  SEAPg12norFORE@forecast$sigma
SEAPg21norFORE<-ugarchforecast(SEAPg21norFIT,n.ahead=181)  SEAPg21norFORE@forecast$sigma
SEAPi11norFORE<-ugarchforecast(SEAPi11norFIT,n.ahead=181)  SEAPi11norFORE@forecast$sigma
SEAPi22norFORE<-ugarchforecast(SEAPi22norFIT,n.ahead=181)  SEAPi22norFORE@forecast$sigma
SEAPi12norFORE<-ugarchforecast(SEAPi12norFIT,n.ahead=181)  SEAPi12norFORE@forecast$sigma
SEAPi21norFORE<-ugarchforecast(SEAPi21norFIT,n.ahead=181)  SEAPi21norFORE@forecast$sigma
SEAPc11norFORE<-ugarchforecast(SEAPc11norFIT,n.ahead=181)  SEAPc11norFORE@forecast$sigma
SEAPc22norFORE<-ugarchforecast(SEAPc22norFIT,n.ahead=181)  SEAPc22norFORE@forecast$sigma
SEAPc12norFORE<-ugarchforecast(SEAPc12norFIT,n.ahead=181)  SEAPc12norFORE@forecast$sigma
SEAPc21norFORE<-ugarchforecast(SEAPc21norFIT,n.ahead=181)  SEAPc21norFORE@forecast$sigma

##Bitcoin Forecast                                         ##Bitcoin Forecast
BITCs11gedFORE<-ugarchforecast(BITCs11gedFIT,n.ahead=181)  BITCs11gedFORE@forecast$sigma
BITCs22gedFORE<-ugarchforecast(BITCs22gedFIT,n.ahead=181)  BITCs22gedFORE@forecast$sigma
BITCs12gedFORE<-ugarchforecast(BITCs12gedFIT,n.ahead=181)  BITCs12gedFORE@forecast$sigma
BITCs21gedFORE<-ugarchforecast(BITCs21gedFIT,n.ahead=181)  BITCs21gedFORE@forecast$sigma
BITCe11gedFORE<-ugarchforecast(BITCe11gedFIT,n.ahead=181)  BITCe11gedFORE@forecast$sigma
BITCe22gedFORE<-ugarchforecast(BITCe22gedFIT,n.ahead=181)  BITCe22gedFORE@forecast$sigma
BITCe12gedFORE<-ugarchforecast(BITCe12gedFIT,n.ahead=181)  BITCe12gedFORE@forecast$sigma
BITCe21gedFORE<-ugarchforecast(BITCe21gedFIT,n.ahead=181)  BITCe21gedFORE@forecast$sigma
BITCg11gedFORE<-ugarchforecast(BITCg11gedFIT,n.ahead=181)  BITCg11gedFORE@forecast$sigma
BITCg22gedFORE<-ugarchforecast(BITCg22gedFIT,n.ahead=181)  BITCg22gedFORE@forecast$sigma
BITCg12gedFORE<-ugarchforecast(BITCg12gedFIT,n.ahead=181)  BITCg12gedFORE@forecast$sigma
BITCg21gedFORE<-ugarchforecast(BITCg21gedFIT,n.ahead=181)  BITCg21gedFORE@forecast$sigma
BITCi11gedFORE<-ugarchforecast(BITCi11gedFIT,n.ahead=181)  BITCi11gedFORE@forecast$sigma
BITCi22gedFORE<-ugarchforecast(BITCi22gedFIT,n.ahead=181)  BITCi22gedFORE@forecast$sigma
BITCi12gedFORE<-ugarchforecast(BITCi12gedFIT,n.ahead=181)  BITCi12gedFORE@forecast$sigma
BITCi21gedFORE<-ugarchforecast(BITCi21gedFIT,n.ahead=181)  BITCi21gedFORE@forecast$sigma
BITCc11gedFORE<-ugarchforecast(BITCc11gedFIT,n.ahead=181)  BITCc11gedFORE@forecast$sigma
BITCc22gedFORE<-ugarchforecast(BITCc22gedFIT,n.ahead=181)  BITCc22gedFORE@forecast$sigma
BITCc12gedFORE<-ugarchforecast(BITCc12gedFIT,n.ahead=181)  BITCc12gedFORE@forecast$sigma
BITCc21gedFORE<-ugarchforecast(BITCc21gedFIT,n.ahead=181)  BITCc21gedFORE@forecast$sigma

BITCs11stdFORE<-ugarchforecast(BITCs11stdFIT,n.ahead=181)  BITCs11stdFORE@forecast$sigma
BITCs22stdFORE<-ugarchforecast(BITCs22stdFIT,n.ahead=181)  BITCs22stdFORE@forecast$sigma
BITCs12stdFORE<-ugarchforecast(BITCs12stdFIT,n.ahead=181)  BITCs12stdFORE@forecast$sigma
BITCs21stdFORE<-ugarchforecast(BITCs21stdFIT,n.ahead=181)  BITCs21stdFORE@forecast$sigma
BITCe11stdFORE<-ugarchforecast(BITCe11stdFIT,n.ahead=181)  BITCe11stdFORE@forecast$sigma
BITCe22stdFORE<-ugarchforecast(BITCe22stdFIT,n.ahead=181)  BITCe22stdFORE@forecast$sigma
BITCe12stdFORE<-ugarchforecast(BITCe12stdFIT,n.ahead=181)  BITCe12stdFORE@forecast$sigma
BITCe21stdFORE<-ugarchforecast(BITCe21stdFIT,n.ahead=181)  BITCe21stdFORE@forecast$sigma
BITCg11stdFORE<-ugarchforecast(BITCg11stdFIT,n.ahead=181)  BITCg11stdFORE@forecast$sigma
BITCg22stdFORE<-ugarchforecast(BITCg22stdFIT,n.ahead=181)  BITCg22stdFORE@forecast$sigma
BITCg12stdFORE<-ugarchforecast(BITCg12stdFIT,n.ahead=181)  BITCg12stdFORE@forecast$sigma
BITCg21stdFORE<-ugarchforecast(BITCg21stdFIT,n.ahead=181)  BITCg21stdFORE@forecast$sigma
BITCi11stdFORE<-ugarchforecast(BITCi11stdFIT,n.ahead=181)  BITCi11stdFORE@forecast$sigma
BITCi22stdFORE<-ugarchforecast(BITCi22stdFIT,n.ahead=181)  BITCi22stdFORE@forecast$sigma
BITCi12stdFORE<-ugarchforecast(BITCi12stdFIT,n.ahead=181)  BITCi12stdFORE@forecast$sigma
BITCi21stdFORE<-ugarchforecast(BITCi21stdFIT,n.ahead=181)  BITCi21stdFORE@forecast$sigma
BITCc11stdFORE<-ugarchforecast(BITCc11stdFIT,n.ahead=181)  BITCc11stdFORE@forecast$sigma
BITCc22stdFORE<-ugarchforecast(BITCc22stdFIT,n.ahead=181)  BITCc22stdFORE@forecast$sigma
BITCc12stdFORE<-ugarchforecast(BITCc12stdFIT,n.ahead=181)  BITCc12stdFORE@forecast$sigma
BITCc21stdFORE<-ugarchforecast(BITCc21stdFIT,n.ahead=181)  BITCc21stdFORE@forecast$sigma

BITCs11norFORE<-ugarchforecast(BITCs11norFIT,n.ahead=181)  BITCs11norFORE@forecast$sigma
BITCs22norFORE<-ugarchforecast(BITCs22norFIT,n.ahead=181)  BITCs22norFORE@forecast$sigma
BITCs12norFORE<-ugarchforecast(BITCs12norFIT,n.ahead=181)  BITCs12norFORE@forecast$sigma
BITCs21norFORE<-ugarchforecast(BITCs21norFIT,n.ahead=181)  BITCs21norFORE@forecast$sigma
BITCe11norFORE<-ugarchforecast(BITCe11norFIT,n.ahead=181)  BITCe11norFORE@forecast$sigma
BITCe22norFORE<-ugarchforecast(BITCe22norFIT,n.ahead=181)  BITCe22norFORE@forecast$sigma
BITCe12norFORE<-ugarchforecast(BITCe12norFIT,n.ahead=181)  BITCe12norFORE@forecast$sigma
BITCe21norFORE<-ugarchforecast(BITCe21norFIT,n.ahead=181)  BITCe21norFORE@forecast$sigma
BITCg11norFORE<-ugarchforecast(BITCg11norFIT,n.ahead=181)  BITCg11norFORE@forecast$sigma
BITCg22norFORE<-ugarchforecast(BITCg22norFIT,n.ahead=181)  BITCg22norFORE@forecast$sigma
BITCg12norFORE<-ugarchforecast(BITCg12norFIT,n.ahead=181)  BITCg12norFORE@forecast$sigma
BITCg21norFORE<-ugarchforecast(BITCg21norFIT,n.ahead=181)  BITCg21norFORE@forecast$sigma
BITCi11norFORE<-ugarchforecast(BITCi11norFIT,n.ahead=181)  BITCi11norFORE@forecast$sigma
BITCi22norFORE<-ugarchforecast(BITCi22norFIT,n.ahead=181)  BITCi22norFORE@forecast$sigma
BITCi12norFORE<-ugarchforecast(BITCi12norFIT,n.ahead=181)  BITCi12norFORE@forecast$sigma
BITCi21norFORE<-ugarchforecast(BITCi21norFIT,n.ahead=181)  BITCi21norFORE@forecast$sigma
BITCc11norFORE<-ugarchforecast(BITCc11norFIT,n.ahead=181)  BITCc11norFORE@forecast$sigma
BITCc22norFORE<-ugarchforecast(BITCc22norFIT,n.ahead=181)  BITCc22norFORE@forecast$sigma
BITCc12norFORE<-ugarchforecast(BITCc12norFIT,n.ahead=181)  BITCc12norFORE@forecast$sigma
BITCc21norFORE<-ugarchforecast(BITCc21norFIT,n.ahead=181)  BITCc21norFORE@forecast$sigma

##Litecoin Forecast                                        ##Litecoin Forecast
LITCs11gedFORE<-ugarchforecast(LITCs11gedFIT,n.ahead=181)  LITCs11gedFORE@forecast$sigma
LITCs22gedFORE<-ugarchforecast(LITCs22gedFIT,n.ahead=181)  LITCs22gedFORE@forecast$sigma
LITCs12gedFORE<-ugarchforecast(LITCs12gedFIT,n.ahead=181)  LITCs12gedFORE@forecast$sigma
LITCs21gedFORE<-ugarchforecast(LITCs21gedFIT,n.ahead=181)  LITCs21gedFORE@forecast$sigma
LITCe11gedFORE<-ugarchforecast(LITCe11gedFIT,n.ahead=181)  LITCe11gedFORE@forecast$sigma
LITCe22gedFORE<-ugarchforecast(LITCe22gedFIT,n.ahead=181)  LITCe22gedFORE@forecast$sigma
LITCe12gedFORE<-ugarchforecast(LITCe12gedFIT,n.ahead=181)  LITCe12gedFORE@forecast$sigma
LITCe21gedFORE<-ugarchforecast(LITCe21gedFIT,n.ahead=181)  LITCe21gedFORE@forecast$sigma
LITCg11gedFORE<-ugarchforecast(LITCg11gedFIT,n.ahead=181)  LITCg11gedFORE@forecast$sigma
LITCg22gedFORE<-ugarchforecast(LITCg22gedFIT,n.ahead=181)  LITCg22gedFORE@forecast$sigma
LITCg12gedFORE<-ugarchforecast(LITCg12gedFIT,n.ahead=181)  LITCg12gedFORE@forecast$sigma
LITCg21gedFORE<-ugarchforecast(LITCg21gedFIT,n.ahead=181)  LITCg21gedFORE@forecast$sigma
LITCi11gedFORE<-ugarchforecast(LITCi11gedFIT,n.ahead=181)  LITCi11gedFORE@forecast$sigma
LITCi22gedFORE<-ugarchforecast(LITCi22gedFIT,n.ahead=181)  LITCi22gedFORE@forecast$sigma
LITCi12gedFORE<-ugarchforecast(LITCi12gedFIT,n.ahead=181)  LITCi12gedFORE@forecast$sigma
LITCi21gedFORE<-ugarchforecast(LITCi21gedFIT,n.ahead=181)  LITCi21gedFORE@forecast$sigma
LITCc11gedFORE<-ugarchforecast(LITCc11gedFIT,n.ahead=181)  LITCc11gedFORE@forecast$sigma
LITCc22gedFORE<-ugarchforecast(LITCc22gedFIT,n.ahead=181)  LITCc22gedFORE@forecast$sigma
LITCc12gedFORE<-ugarchforecast(LITCc12gedFIT,n.ahead=181)  LITCc12gedFORE@forecast$sigma
LITCc21gedFORE<-ugarchforecast(LITCc21gedFIT,n.ahead=181)  LITCc21gedFORE@forecast$sigma

LITCs11stdFORE<-ugarchforecast(LITCs11stdFIT,n.ahead=181)  LITCs11stdFORE@forecast$sigma
LITCs22stdFORE<-ugarchforecast(LITCs22stdFIT,n.ahead=181)  LITCs22stdFORE@forecast$sigma
LITCs12stdFORE<-ugarchforecast(LITCs12stdFIT,n.ahead=181)  LITCs12stdFORE@forecast$sigma
LITCs21stdFORE<-ugarchforecast(LITCs21stdFIT,n.ahead=181)  LITCs21stdFORE@forecast$sigma
LITCe11stdFORE<-ugarchforecast(LITCe11stdFIT,n.ahead=181)  LITCe11stdFORE@forecast$sigma
LITCe22stdFORE<-ugarchforecast(LITCe22stdFIT,n.ahead=181)  LITCe22stdFORE@forecast$sigma
LITCe12stdFORE<-ugarchforecast(LITCe12stdFIT,n.ahead=181)  LITCe12stdFORE@forecast$sigma
LITCe21stdFORE<-ugarchforecast(LITCe21stdFIT,n.ahead=181)  LITCe21stdFORE@forecast$sigma
LITCg11stdFORE<-ugarchforecast(LITCg11stdFIT,n.ahead=181)  LITCg11stdFORE@forecast$sigma
LITCg22stdFORE<-ugarchforecast(LITCg22stdFIT,n.ahead=181)  LITCg22stdFORE@forecast$sigma
LITCg12stdFORE<-ugarchforecast(LITCg12stdFIT,n.ahead=181)  LITCg12stdFORE@forecast$sigma
LITCg21stdFORE<-ugarchforecast(LITCg21stdFIT,n.ahead=181)  LITCg21stdFORE@forecast$sigma
```

```
LITCi11stdFORE<-ugarchforecast(LITCi11stdFIT,n.ahead=181)  LITCi11stdFORE@forecast$sigma
LITCi22stdFORE<-ugarchforecast(LITCi22stdFIT,n.ahead=181)  LITCi22stdFORE@forecast$sigma
LITCi12stdFORE<-ugarchforecast(LITCi12stdFIT,n.ahead=181)  LITCi12stdFORE@forecast$sigma
LITCi21stdFORE<-ugarchforecast(LITCi21stdFIT,n.ahead=181)  LITCi21stdFORE@forecast$sigma
LITCc11stdFORE<-ugarchforecast(LITCc11stdFIT,n.ahead=181)  LITCc11stdFORE@forecast$sigma
LITCc22stdFORE<-ugarchforecast(LITCc22stdFIT,n.ahead=181)  LITCc22stdFORE@forecast$sigma
LITCc12stdFORE<-ugarchforecast(LITCc12stdFIT,n.ahead=181)  LITCc12stdFORE@forecast$sigma
LITCc21stdFORE<-ugarchforecast(LITCc21stdFIT,n.ahead=181)  LITCc21stdFORE@forecast$sigma

LITCs11norFORE<-ugarchforecast(LITCs11norFIT,n.ahead=181)  LITCs11norFORE@forecast$sigma
LITCs22norFORE<-ugarchforecast(LITCs22norFIT,n.ahead=181)  LITCs22norFORE@forecast$sigma
LITCs12norFORE<-ugarchforecast(LITCs12norFIT,n.ahead=181)  LITCs12norFORE@forecast$sigma
LITCs21norFORE<-ugarchforecast(LITCs21norFIT,n.ahead=181)  LITCs21norFORE@forecast$sigma
LITCe11norFORE<-ugarchforecast(LITCe11norFIT,n.ahead=181)  LITCe11norFORE@forecast$sigma
LITCe22norFORE<-ugarchforecast(LITCe22norFIT,n.ahead=181)  LITCe22norFORE@forecast$sigma
LITCe12norFORE<-ugarchforecast(LITCe12norFIT,n.ahead=181)  LITCe12norFORE@forecast$sigma
LITCe21norFORE<-ugarchforecast(LITCe21norFIT,n.ahead=181)  LITCe21norFORE@forecast$sigma
LITCg11norFORE<-ugarchforecast(LITCg11norFIT,n.ahead=181)  LITCg11norFORE@forecast$sigma
LITCg22norFORE<-ugarchforecast(LITCg22norFIT,n.ahead=181)  LITCg22norFORE@forecast$sigma
LITCg12norFORE<-ugarchforecast(LITCg12norFIT,n.ahead=181)  LITCg12norFORE@forecast$sigma
LITCg21norFORE<-ugarchforecast(LITCg21norFIT,n.ahead=181)  LITCg21norFORE@forecast$sigma
LITCi11norFORE<-ugarchforecast(LITCi11norFIT,n.ahead=181)  LITCi11norFORE@forecast$sigma
LITCi22norFORE<-ugarchforecast(LITCi22norFIT,n.ahead=181)  LITCi22norFORE@forecast$sigma
LITCi12norFORE<-ugarchforecast(LITCi12norFIT,n.ahead=181)  LITCi12norFORE@forecast$sigma
LITCi21norFORE<-ugarchforecast(LITCi21norFIT,n.ahead=181)  LITCi21norFORE@forecast$sigma
LITCc11norFORE<-ugarchforecast(LITCc11norFIT,n.ahead=181)  LITCc11norFORE@forecast$sigma
LITCc22norFORE<-ugarchforecast(LITCc22norFIT,n.ahead=181)  LITCc22norFORE@forecast$sigma
LITCc12norFORE<-ugarchforecast(LITCc12norFIT,n.ahead=181)  LITCc12norFORE@forecast$sigma
LITCc21norFORE<-ugarchforecast(LITCc21norFIT,n.ahead=181)  LITCc21norFORE@forecast$sigma

##REX Forecast                                             ##REX Forecast
GREXs11gedFORE<-ugarchforecast(GREXs11gedFIT,n.ahead=181)  GREXs11gedFORE@forecast$sigma
GREXs22gedFORE<-ugarchforecast(GREXs22gedFIT,n.ahead=181)  GREXs22gedFORE@forecast$sigma
GREXs12gedFORE<-ugarchforecast(GREXs12gedFIT,n.ahead=181)  GREXs12gedFORE@forecast$sigma
GREXs21gedFORE<-ugarchforecast(GREXs21gedFIT,n.ahead=181)  GREXs21gedFORE@forecast$sigma
GREXe11gedFORE<-ugarchforecast(GREXe11gedFIT,n.ahead=181)  GREXe11gedFORE@forecast$sigma
GREXe22gedFORE<-ugarchforecast(GREXe22gedFIT,n.ahead=181)  GREXe22gedFORE@forecast$sigma
GREXe12gedFORE<-ugarchforecast(GREXe12gedFIT,n.ahead=181)  GREXe12gedFORE@forecast$sigma
GREXe21gedFORE<-ugarchforecast(GREXe21gedFIT,n.ahead=181)  GREXe21gedFORE@forecast$sigma
GREXg11gedFORE<-ugarchforecast(GREXg11gedFIT,n.ahead=181)  GREXg11gedFORE@forecast$sigma
GREXg22gedFORE<-ugarchforecast(GREXg22gedFIT,n.ahead=181)  GREXg22gedFORE@forecast$sigma
GREXg12gedFORE<-ugarchforecast(GREXg12gedFIT,n.ahead=181)  GREXg12gedFORE@forecast$sigma
GREXg21gedFORE<-ugarchforecast(GREXg21gedFIT,n.ahead=181)  GREXg21gedFORE@forecast$sigma
GREXi11gedFORE<-ugarchforecast(GREXi11gedFIT,n.ahead=181)  GREXi11gedFORE@forecast$sigma
GREXi22gedFORE<-ugarchforecast(GREXi22gedFIT,n.ahead=181)  GREXi22gedFORE@forecast$sigma
GREXi12gedFORE<-ugarchforecast(GREXi12gedFIT,n.ahead=181)  GREXi12gedFORE@forecast$sigma
GREXi21gedFORE<-ugarchforecast(GREXi21gedFIT,n.ahead=181)  GREXi21gedFORE@forecast$sigma
GREXc11gedFORE<-ugarchforecast(GREXc11gedFIT,n.ahead=181)  GREXc11gedFORE@forecast$sigma
GREXc22gedFORE<-ugarchforecast(GREXc22gedFIT,n.ahead=181)  GREXc22gedFORE@forecast$sigma
GREXc12gedFORE<-ugarchforecast(GREXc12gedFIT,n.ahead=181)  GREXc12gedFORE@forecast$sigma
GREXc21gedFORE<-ugarchforecast(GREXc21gedFIT,n.ahead=181)  GREXc21gedFORE@forecast$sigma

GREXs11stdFORE<-ugarchforecast(GREXs11stdFIT,n.ahead=181)  GREXs11stdFORE@forecast$sigma
GREXs22stdFORE<-ugarchforecast(GREXs22stdFIT,n.ahead=181)  GREXs22stdFORE@forecast$sigma
GREXs12stdFORE<-ugarchforecast(GREXs12stdFIT,n.ahead=181)  GREXs12stdFORE@forecast$sigma
GREXs21stdFORE<-ugarchforecast(GREXs21stdFIT,n.ahead=181)  GREXs21stdFORE@forecast$sigma
GREXe11stdFORE<-ugarchforecast(GREXe11stdFIT,n.ahead=181)  GREXe11stdFORE@forecast$sigma
GREXe22stdFORE<-ugarchforecast(GREXe22stdFIT,n.ahead=181)  GREXe22stdFORE@forecast$sigma
GREXe12stdFORE<-ugarchforecast(GREXe12stdFIT,n.ahead=181)  GREXe12stdFORE@forecast$sigma
GREXe21stdFORE<-ugarchforecast(GREXe21stdFIT,n.ahead=181)  GREXe21stdFORE@forecast$sigma
GREXg11stdFORE<-ugarchforecast(GREXg11stdFIT,n.ahead=181)  GREXg11stdFORE@forecast$sigma
GREXg22stdFORE<-ugarchforecast(GREXg22stdFIT,n.ahead=181)  GREXg22stdFORE@forecast$sigma
GREXg12stdFORE<-ugarchforecast(GREXg12stdFIT,n.ahead=181)  GREXg12stdFORE@forecast$sigma
GREXg21stdFORE<-ugarchforecast(GREXg21stdFIT,n.ahead=181)  GREXg21stdFORE@forecast$sigma
GREXi11stdFORE<-ugarchforecast(GREXi11stdFIT,n.ahead=181)  GREXi11stdFORE@forecast$sigma
GREXi22stdFORE<-ugarchforecast(GREXi22stdFIT,n.ahead=181)  GREXi22stdFORE@forecast$sigma
GREXi12stdFORE<-ugarchforecast(GREXi12stdFIT,n.ahead=181)  GREXi12stdFORE@forecast$sigma
GREXi21stdFORE<-ugarchforecast(GREXi21stdFIT,n.ahead=181)  GREXi21stdFORE@forecast$sigma
GREXc11stdFORE<-ugarchforecast(GREXc11stdFIT,n.ahead=181)  GREXc11stdFORE@forecast$sigma
GREXc22stdFORE<-ugarchforecast(GREXc22stdFIT,n.ahead=181)  GREXc22stdFORE@forecast$sigma
GREXc12stdFORE<-ugarchforecast(GREXc12stdFIT,n.ahead=181)  GREXc12stdFORE@forecast$sigma
GREXc21stdFORE<-ugarchforecast(GREXc21stdFIT,n.ahead=181)  GREXc21stdFORE@forecast$sigma

GREXs11norFORE<-ugarchforecast(GREXs11norFIT,n.ahead=181)  GREXs11norFORE@forecast$sigma
GREXs22norFORE<-ugarchforecast(GREXs22norFIT,n.ahead=181)  GREXs22norFORE@forecast$sigma
GREXs12norFORE<-ugarchforecast(GREXs12norFIT,n.ahead=181)  GREXs12norFORE@forecast$sigma
GREXs21norFORE<-ugarchforecast(GREXs21norFIT,n.ahead=181)  GREXs21norFORE@forecast$sigma
GREXe11norFORE<-ugarchforecast(GREXe11norFIT,n.ahead=181)  GREXe11norFORE@forecast$sigma
GREXe22norFORE<-ugarchforecast(GREXe22norFIT,n.ahead=181)  GREXe22norFORE@forecast$sigma
GREXe12norFORE<-ugarchforecast(GREXe12norFIT,n.ahead=181)  GREXe12norFORE@forecast$sigma
GREXe21norFORE<-ugarchforecast(GREXe21norFIT,n.ahead=181)  GREXe21norFORE@forecast$sigma
GREXg11norFORE<-ugarchforecast(GREXg11norFIT,n.ahead=181)  GREXg11norFORE@forecast$sigma
GREXg22norFORE<-ugarchforecast(GREXg22norFIT,n.ahead=181)  GREXg22norFORE@forecast$sigma
GREXg12norFORE<-ugarchforecast(GREXg12norFIT,n.ahead=181)  GREXg12norFORE@forecast$sigma
GREXg21norFORE<-ugarchforecast(GREXg21norFIT,n.ahead=181)  GREXg21norFORE@forecast$sigma
GREXi11norFORE<-ugarchforecast(GREXi11norFIT,n.ahead=181)  GREXi11norFORE@forecast$sigma
GREXi22norFORE<-ugarchforecast(GREXi22norFIT,n.ahead=181)  GREXi22norFORE@forecast$sigma
GREXi12norFORE<-ugarchforecast(GREXi12norFIT,n.ahead=181)  GREXi12norFORE@forecast$sigma
GREXi21norFORE<-ugarchforecast(GREXi21norFIT,n.ahead=181)  GREXi21norFORE@forecast$sigma
GREXc11norFORE<-ugarchforecast(GREXc11norFIT,n.ahead=181)  GREXc11norFORE@forecast$sigma
GREXc22norFORE<-ugarchforecast(GREXc22norFIT,n.ahead=181)  GREXc22norFORE@forecast$sigma
GREXc12norFORE<-ugarchforecast(GREXc12norFIT,n.ahead=181)  GREXc12norFORE@forecast$sigma
GREXc21norFORE<-ugarchforecast(GREXc21norFIT,n.ahead=181)  GREXc21norFORE@forecast$sigma

##DAX Private Equity Forecast                              ##DAX Private Equity Forecast
DAXPs11gedFORE<-ugarchforecast(DAXPs11gedFIT,n.ahead=181)  DAXPs11gedFORE@forecast$sigma
DAXPs22gedFORE<-ugarchforecast(DAXPs22gedFIT,n.ahead=181)  DAXPs22gedFORE@forecast$sigma
DAXPs12gedFORE<-ugarchforecast(DAXPs12gedFIT,n.ahead=181)  DAXPs12gedFORE@forecast$sigma
DAXPs21gedFORE<-ugarchforecast(DAXPs21gedFIT,n.ahead=181)  DAXPs21gedFORE@forecast$sigma
DAXPe11gedFORE<-ugarchforecast(DAXPe11gedFIT,n.ahead=181)  DAXPe11gedFORE@forecast$sigma
DAXPe22gedFORE<-ugarchforecast(DAXPe22gedFIT,n.ahead=181)  DAXPe22gedFORE@forecast$sigma
DAXPe12gedFORE<-ugarchforecast(DAXPe12gedFIT,n.ahead=181)  DAXPe12gedFORE@forecast$sigma
DAXPe21gedFORE<-ugarchforecast(DAXPe21gedFIT,n.ahead=181)  DAXPe21gedFORE@forecast$sigma
DAXPg11gedFORE<-ugarchforecast(DAXPg11gedFIT,n.ahead=181)  DAXPg11gedFORE@forecast$sigma
DAXPg22gedFORE<-ugarchforecast(DAXPg22gedFIT,n.ahead=181)  DAXPg22gedFORE@forecast$sigma
DAXPg12gedFORE<-ugarchforecast(DAXPg12gedFIT,n.ahead=181)  DAXPg12gedFORE@forecast$sigma
DAXPg21gedFORE<-ugarchforecast(DAXPg21gedFIT,n.ahead=181)  DAXPg21gedFORE@forecast$sigma
DAXPi11gedFORE<-ugarchforecast(DAXPi11gedFIT,n.ahead=181)  DAXPi11gedFORE@forecast$sigma
DAXPi22gedFORE<-ugarchforecast(DAXPi22gedFIT,n.ahead=181)  DAXPi22gedFORE@forecast$sigma
DAXPi12gedFORE<-ugarchforecast(DAXPi12gedFIT,n.ahead=181)  DAXPi12gedFORE@forecast$sigma
DAXPi21gedFORE<-ugarchforecast(DAXPi21gedFIT,n.ahead=181)  DAXPi21gedFORE@forecast$sigma
DAXPc11gedFORE<-ugarchforecast(DAXPc11gedFIT,n.ahead=181)  DAXPc11gedFORE@forecast$sigma
DAXPc22gedFORE<-ugarchforecast(DAXPc22gedFIT,n.ahead=181)  DAXPc22gedFORE@forecast$sigma
DAXPc12gedFORE<-ugarchforecast(DAXPc12gedFIT,n.ahead=181)  DAXPc12gedFORE@forecast$sigma
DAXPc21gedFORE<-ugarchforecast(DAXPc21gedFIT,n.ahead=181)  DAXPc21gedFORE@forecast$sigma

DAXPs11stdFORE<-ugarchforecast(DAXPs11stdFIT,n.ahead=181)  DAXPs11stdFORE@forecast$sigma
DAXPs22stdFORE<-ugarchforecast(DAXPs22stdFIT,n.ahead=181)  DAXPs22stdFORE@forecast$sigma
DAXPs12stdFORE<-ugarchforecast(DAXPs12stdFIT,n.ahead=181)  DAXPs12stdFORE@forecast$sigma
DAXPs21stdFORE<-ugarchforecast(DAXPs21stdFIT,n.ahead=181)  DAXPs21stdFORE@forecast$sigma
DAXPe11stdFORE<-ugarchforecast(DAXPe11stdFIT,n.ahead=181)  DAXPe11stdFORE@forecast$sigma
DAXPe22stdFORE<-ugarchforecast(DAXPe22stdFIT,n.ahead=181)  DAXPe22stdFORE@forecast$sigma
DAXPe12stdFORE<-ugarchforecast(DAXPe12stdFIT,n.ahead=181)  DAXPe12stdFORE@forecast$sigma
DAXPe21stdFORE<-ugarchforecast(DAXPe21stdFIT,n.ahead=181)  DAXPe21stdFORE@forecast$sigma
DAXPg11stdFORE<-ugarchforecast(DAXPg11stdFIT,n.ahead=181)  DAXPg11stdFORE@forecast$sigma
DAXPg22stdFORE<-ugarchforecast(DAXPg22stdFIT,n.ahead=181)  DAXPg22stdFORE@forecast$sigma
DAXPg12stdFORE<-ugarchforecast(DAXPg12stdFIT,n.ahead=181)  DAXPg12stdFORE@forecast$sigma
DAXPg21stdFORE<-ugarchforecast(DAXPg21stdFIT,n.ahead=181)  DAXPg21stdFORE@forecast$sigma
DAXPi11stdFORE<-ugarchforecast(DAXPi11stdFIT,n.ahead=181)  DAXPi11stdFORE@forecast$sigma
DAXPi22stdFORE<-ugarchforecast(DAXPi22stdFIT,n.ahead=181)  DAXPi22stdFORE@forecast$sigma
DAXPi12stdFORE<-ugarchforecast(DAXPi12stdFIT,n.ahead=181)  DAXPi12stdFORE@forecast$sigma
DAXPi21stdFORE<-ugarchforecast(DAXPi21stdFIT,n.ahead=181)  DAXPi21stdFORE@forecast$sigma
DAXPc11stdFORE<-ugarchforecast(DAXPc11stdFIT,n.ahead=181)  DAXPc11stdFORE@forecast$sigma
DAXPc22stdFORE<-ugarchforecast(DAXPc22stdFIT,n.ahead=181)  DAXPc22stdFORE@forecast$sigma
DAXPc12stdFORE<-ugarchforecast(DAXPc12stdFIT,n.ahead=181)  DAXPc12stdFORE@forecast$sigma
DAXPc21stdFORE<-ugarchforecast(DAXPc21stdFIT,n.ahead=181)  DAXPc21stdFORE@forecast$sigma

DAXPs11norFORE<-ugarchforecast(DAXPs11norFIT,n.ahead=181)  DAXPs11norFORE@forecast$sigma
DAXPs22norFORE<-ugarchforecast(DAXPs22norFIT,n.ahead=181)  DAXPs22norFORE@forecast$sigma
DAXPs12norFORE<-ugarchforecast(DAXPs12norFIT,n.ahead=181)  DAXPs12norFORE@forecast$sigma
DAXPs21norFORE<-ugarchforecast(DAXPs21norFIT,n.ahead=181)  DAXPs21norFORE@forecast$sigma
DAXPe11norFORE<-ugarchforecast(DAXPe11norFIT,n.ahead=181)  DAXPe11norFORE@forecast$sigma
DAXPe22norFORE<-ugarchforecast(DAXPe22norFIT,n.ahead=181)  DAXPe22norFORE@forecast$sigma
DAXPe12norFORE<-ugarchforecast(DAXPe12norFIT,n.ahead=181)  DAXPe12norFORE@forecast$sigma
DAXPe21norFORE<-ugarchforecast(DAXPe21norFIT,n.ahead=181)  DAXPe21norFORE@forecast$sigma
DAXPg11norFORE<-ugarchforecast(DAXPg11norFIT,n.ahead=181)  DAXPg11norFORE@forecast$sigma
DAXPg22norFORE<-ugarchforecast(DAXPg22norFIT,n.ahead=181)  DAXPg22norFORE@forecast$sigma
DAXPg12norFORE<-ugarchforecast(DAXPg12norFIT,n.ahead=181)  DAXPg12norFORE@forecast$sigma
DAXPg21norFORE<-ugarchforecast(DAXPg21norFIT,n.ahead=181)  DAXPg21norFORE@forecast$sigma
DAXPi11norFORE<-ugarchforecast(DAXPi11norFIT,n.ahead=181)  DAXPi11norFORE@forecast$sigma
DAXPi22norFORE<-ugarchforecast(DAXPi22norFIT,n.ahead=181)  DAXPi22norFORE@forecast$sigma
DAXPi12norFORE<-ugarchforecast(DAXPi12norFIT,n.ahead=181)  DAXPi12norFORE@forecast$sigma
DAXPi21norFORE<-ugarchforecast(DAXPi21norFIT,n.ahead=181)  DAXPi21norFORE@forecast$sigma
DAXPc11norFORE<-ugarchforecast(DAXPc11norFIT,n.ahead=181)  DAXPc11norFORE@forecast$sigma
DAXPc22norFORE<-ugarchforecast(DAXPc22norFIT,n.ahead=181)  DAXPc22norFORE@forecast$sigma
DAXPc12norFORE<-ugarchforecast(DAXPc12norFIT,n.ahead=181)  DAXPc12norFORE@forecast$sigma
DAXPc21norFORE<-ugarchforecast(DAXPc21norFIT,n.ahead=181)  DAXPc21norFORE@forecast$sigma
```

```
#Extract Sigma Values
Sigma1<-cbind(DJACe11gedFORE@forecast$sigma, DJACe12gedFORE@forecast$sigma, DJACe11stdFORE@forecast$sigma, DJACe12stdFORE@forecast$sigma, DJACe11norFORE@forecast$sigma, DJACe12norFORE@forecast$sigma, DJACe21norFORE@forecast$sigma, DJALs11gedFORE@forecast$sigma,
DJALe11gedFORE@forecast$sigma, DJALe12gedFORE@forecast$sigma, DJALc11gedFORE@forecast$sigma, DJALe11stdFORE@forecast$sigma, DJALg11stdFORE@forecast$sigma, DJALe11norFORE@forecast$sigma, DJALe12norFORE@forecast$sigma, DJCCe11gedFORE@forecast$sigma,
DJCCe12gedFORE@forecast$sigma, DJCCs11stdFORE@forecast$sigma, DJCCe11stdFORE@forecast$sigma, DJCFe22gedFORE@forecast$sigma, DJCFe12gedFORE@forecast$sigma, DJCFg21gedFORE@forecast$sigma, DJCFe21stdFORE@forecast$sigma, DJCFe11norFORE@forecast$sigma,
DJCFe22norFORE@forecast$sigma, DJCFe12norFORE@forecast$sigma, DJCFe21norFORE@forecast$sigma, DJCFg22norFORE@forecast$sigma, DJCFg21norFORE@forecast$sigma, DJCPe22stdFORE@forecast$sigma, DJCPe21stdFORE@forecast$sigma, DJCFg21gedFORE@forecast$sigma,
DJCTs12stdFORE@forecast$sigma, DJCTe12stdFORE@forecast$sigma, DJCTe11norFORE@forecast$sigma, DJCTe12norFORE@forecast$sigma, DJCTg12norFORE@forecast$sigma, DJNIs11stdFORE@forecast$sigma, DJNIe21stdFORE@forecast$sigma, DJNIe11norFORE@forecast$sigma,
DJNIe22norFORE@forecast$sigma, DJSIg12gedFORE@forecast$sigma, DJSIs11stdFORE@forecast$sigma, DJSIg11stdFORE@forecast$sigma, DJSIc11stdFORE@forecast$sigma, DJSUs11stdFORE@forecast$sigma)
Sigma2<-cbind( DJSUe22stdFORE@forecast$sigma, DJSUe21stdFORE@forecast$sigma, DJSUg22stdFORE@forecast$sigma, DJSUg21stdFORE@forecast$sigma, DJSUs12norFORE@forecast$sigma, DJWEe11gedFORE@forecast$sigma, DJWEe12gedFORE@forecast$sigma, DJWEe11stdFORE@forecast$sigma,
DJWEe12stdFORE@forecast$sigma, DJWEe11norFORE@forecast$sigma, DJWEe12norFORE@forecast$sigma, DJWEg11norFORE@forecast$sigma, DJZIe22stdFORE@forecast$sigma, DJZIe21stdFORE@forecast$sigma, DJZIs11norFORE@forecast$sigma, DJZIe11norFORE@forecast$sigma,
DJZIe12norFORE@forecast$sigma, DJZIg12norFORE@forecast$sigma, DJLHe11gedFORE@forecast$sigma, DJLHe12gedFORE@forecast$sigma, DJLHe11stdFORE@forecast$sigma, DJLHe12stdFORE@forecast$sigma, DJLHe11norFORE@forecast$sigma, DJLHe12norFORE@forecast$sigma,
DJLHe21norFORE@forecast$sigma, DJNGe21stdFORE@forecast$sigma, DJNGe12norFORE@forecast$sigma, DJPEe11gedFORE@forecast$sigma, DJPEe12gedFORE@forecast$sigma, DJPEe11stdFORE@forecast$sigma, DJPEe12stdFORE@forecast$sigma, DJPEe11norFORE@forecast$sigma,
DJPEe12norFORE@forecast$sigma, DJSOe21gedFORE@forecast$sigma, DJSOe21stdFORE@forecast$sigma, DJSOe11norFORE@forecast$sigma, DJSOe22norFORE@forecast$sigma, DJSOe21norFORE@forecast$sigma, SEFPs11gedFORE@forecast$sigma, SEFPe11gedFORE@forecast$sigma,
SEFPe12gedFORE@forecast$sigma, SEFPe11stdFORE@forecast$sigma, SEFPe12stdFORE@forecast$sigma, SEFPs11norFORE@forecast$sigma, SEFPe11norFORE@forecast$sigma, SEFPe12norFORE@forecast$sigma, SEECs11gedFORE@forecast$sigma, SEECe11gedFORE@forecast$sigma,
SEECe12gedFORE@forecast$sigma, SEECe12stdFORE@forecast$sigma, SEECs12norFORE@forecast$sigma, SEECe12norFORE@forecast$sigma, SEFLe11gedFORE@forecast$sigma, SEFLg11gedFORE@forecast$sigma, SEFLe11norFORE@forecast$sigma, SEFLe12norFORE@forecast$sigma,
SEUTe11gedFORE@forecast$sigma, SEUTe12gedFORE@forecast$sigma, SEUTc11gedFORE@forecast$sigma, SEUTe11stdFORE@forecast$sigma)

Sigma3<-cbind( SEUTc11stdFORE@forecast$sigma, SEUTe11norFORE@forecast$sigma, SEUTe12norFORE@forecast$sigma, SETRe11gedFORE@forecast$sigma, SETRs12norFORE@forecast$sigma, SETRe11norFORE@forecast$sigma, SETRe12norFORE@forecast$sigma, SETRg12norFORE@forecast$sigma,
SEMOe11gedFORE@forecast$sigma, SEMOe12gedFORE@forecast$sigma, SEMOe11stdFORE@forecast$sigma, SEMOe11norFORE@forecast$sigma, SEOGe11gedFORE@forecast$sigma, SEOGe12gedFORE@forecast$sigma, SEOGe11stdFORE@forecast$sigma, SEOGe11norFORE@forecast$sigma,
SEOGe12norFORE@forecast$sigma, SEOGe21norFORE@forecast$sigma, SEOEe11gedFORE@forecast$sigma, SEOEe12gedFORE@forecast$sigma, SEOEe11stdFORE@forecast$sigma, SEOEe11norFORE@forecast$sigma, SEOEe12norFORE@forecast$sigma, SEAIs11gedFORE@forecast$sigma,
SEAIe11gedFORE@forecast$sigma, SEAIe12gedFORE@forecast$sigma, SEAIe11stdFORE@forecast$sigma, SEAIs11norFORE@forecast$sigma, SEAIs12norFORE@forecast$sigma, SEAIe11norFORE@forecast$sigma, SEAIc12norFORE@forecast$sigma, SEISe11gedFORE@forecast$sigma,
SEISe12gedFORE@forecast$sigma, SEISe21gedFORE@forecast$sigma, SEISe11stdFORE@forecast$sigma, SEISe12stdFORE@forecast$sigma, SEISe11norFORE@forecast$sigma, SEISe22norFORE@forecast$sigma, SEISe12norFORE@forecast$sigma, SEISe21norFORE@forecast$sigma, SEISg11norFORE@forecast$sigma,
SEISg12norFORE@forecast$sigma, SEISe22gedFORE@forecast$sigma, SEISe21stdFORE@forecast$sigma, SEISe22stdFORE@forecast$sigma, SEISe22norFORE@forecast$sigma, SEISe21norFORE@forecast$sigma, SEISg21norFORE@forecast$sigma, SEREe11gedFORE@forecast$sigma,
SEREe12gedFORE@forecast$sigma, SEREe11stdFORE@forecast$sigma, SEREg11stdFORE@forecast$sigma, SEREe11norFORE@forecast$sigma, SEREe12norFORE@forecast$sigma, SEAEs11gedFORE@forecast$sigma, SEAEe11gedFORE@forecast$sigma,
SEAEe12gedFORE@forecast$sigma, SEAEe11stdFORE@forecast$sigma, SEAEe12stdFORE@forecast$sigma, SEAEe11norFORE@forecast$sigma, SESOe11gedFORE@forecast$sigma, SESOe11stdFORE@forecast$sigma, SESOe12stdFORE@forecast$sigma, SETEe11gedFORE@forecast$sigma, SETEe12gedFORE@forecast$sigma, SETEs11stdFORE@forecast$sigma,
SETEe11stdFORE@forecast$sigma, SETEe12stdFORE@forecast$sigma, SETEe11norFORE@forecast$sigma, SEBEe12gedFORE@forecast$sigma, SEBEe11stdFORE@forecast$sigma, SEBEe12stdFORE@forecast$sigma, SEBEe11norFORE@forecast$sigma, SEETe11gedFORE@forecast$sigma, SEETe12gedFORE@forecast$sigma,
SEETe11stdFORE@forecast$sigma, SEETe12stdFORE@forecast$sigma, SEETe11norFORE@forecast$sigma, SEETe12norFORE@forecast$sigma, SECHe11gedFORE@forecast$sigma, SECHe12gedFORE@forecast$sigma, SECHe11stdFORE@forecast$sigma, SECHe12stdFORE@forecast$sigma,
SECHe11norFORE@forecast$sigma, SECHe12norFORE@forecast$sigma, SECHe21norFORE@forecast$sigma, SEAPe11gedFORE@forecast$sigma, SEAPe11stdFORE@forecast$sigma, SEAPe12stdFORE@forecast$sigma, SEAPe11norFORE@forecast$sigma, SEAPe12norFORE@forecast$sigma,
BITCs11gedFORE@forecast$sigma, BITCs12gedFORE@forecast$sigma, BITCc12gedFORE@forecast$sigma, BITCe11norFORE@forecast$sigma, BITCe12norFORE@forecast$sigma, BITCc11norFORE@forecast$sigma, LITCs11gedFORE@forecast$sigma, LITCc11gedFORE@forecast$sigma,
LITCc12gedFORE@forecast$sigma, LITCs11norFORE@forecast$sigma, LITCe11norFORE@forecast$sigma, LITCe12norFORE@forecast$sigma, LITCe21norFORE@forecast$sigma, LITCg11norFORE@forecast$sigma, LITCc11norFORE@forecast$sigma, LITCc12norFORE@forecast$sigma,
GREXe11gedFORE@forecast$sigma, GREXe12gedFORE@forecast$sigma, GREXe21gedFORE@forecast$sigma, DAXPs11gedFORE@forecast$sigma, DAXPs11stdFORE@forecast$sigma, DAXPs12norFORE@forecast$sigma, DAXPe11norFORE@forecast$sigma, DAXPg11norFORE@forecast$sigma)

SIGMA<-cbind(Sigma1, Sigma2, Sigma3)

#Extract Series Values

series1<-cbind(DJACe11gedFORE@forecast$series, DJACe12gedFORE@forecast$series, DJACe11stdFORE@forecast$series, DJACe12stdFORE@forecast$series, DJACe11norFORE@forecast$series, DJACe12norFORE@forecast$series, DJACe21norFORE@forecast$series, DJALs11gedFORE@forecast$series,
DJALe11gedFORE@forecast$series, DJALe12gedFORE@forecast$series, DJALc11gedFORE@forecast$series, DJALe11stdFORE@forecast$series, DJALg11stdFORE@forecast$series, DJALe11norFORE@forecast$series, DJALe12norFORE@forecast$series, DJCCe11gedFORE@forecast$series,
DJCCe12gedFORE@forecast$series, DJCCs11stdFORE@forecast$series, DJCCe11stdFORE@forecast$series, DJCFe22gedFORE@forecast$series, DJCFe12gedFORE@forecast$series, DJCFg21gedFORE@forecast$series, DJCFe21stdFORE@forecast$series, DJCFe11norFORE@forecast$series,
DJCFe22norFORE@forecast$series, DJCFe12norFORE@forecast$series, DJCFe21norFORE@forecast$series, DJCFg22norFORE@forecast$series, DJCFg21norFORE@forecast$series, DJCPe22stdFORE@forecast$series, DJCPe21stdFORE@forecast$series, DJCFg21gedFORE@forecast$series,
DJCTs12stdFORE@forecast$series, DJCTe12stdFORE@forecast$series, DJCTe11norFORE@forecast$series, DJCTe12norFORE@forecast$series, DJCTg12norFORE@forecast$series, DJNIs11stdFORE@forecast$series, DJNIe21stdFORE@forecast$series, DJNIe11norFORE@forecast$series,
DJNIe22norFORE@forecast$series, DJSIg12gedFORE@forecast$series, DJSIs11stdFORE@forecast$series, DJSIg11stdFORE@forecast$series, DJSIc11stdFORE@forecast$series, DJSUs11stdFORE@forecast$series)

series2<-cbind( DJSUe22stdFORE@forecast$series, DJSUe21stdFORE@forecast$series, DJSUg22stdFORE@forecast$series, DJSUg21stdFORE@forecast$series, DJSUs12norFORE@forecast$series, DJWEe11gedFORE@forecast$series, DJWEe12gedFORE@forecast$series, DJWEe11stdFORE@forecast$series,
DJWEe12stdFORE@forecast$series, DJWEe11norFORE@forecast$series, DJWEe12norFORE@forecast$series, DJWEg11norFORE@forecast$series, DJZIe22stdFORE@forecast$series, DJZIe21stdFORE@forecast$series, DJZIs11norFORE@forecast$series, DJZIe11norFORE@forecast$series,
DJZIe12norFORE@forecast$series, DJZIg12norFORE@forecast$series, DJLHe11gedFORE@forecast$series, DJLHe12gedFORE@forecast$series, DJLHe11stdFORE@forecast$series, DJLHe12stdFORE@forecast$series, DJLHe11norFORE@forecast$series, DJLHe12norFORE@forecast$series,
DJLHe21norFORE@forecast$series, DJNGe21stdFORE@forecast$series, DJNGe12norFORE@forecast$series, DJPEe11gedFORE@forecast$series, DJPEe12gedFORE@forecast$series, DJPEe11stdFORE@forecast$series, DJPEe12stdFORE@forecast$series, DJPEe11norFORE@forecast$series,
DJPEe12norFORE@forecast$series, DJSOe21gedFORE@forecast$series, DJSOe21stdFORE@forecast$series, DJSOe11norFORE@forecast$series, DJSOe22norFORE@forecast$series, DJSOe21norFORE@forecast$series, SEFPs11gedFORE@forecast$series, SEFPe11gedFORE@forecast$series,
SEFPe12gedFORE@forecast$series, SEFPe11stdFORE@forecast$series, SEFPe12stdFORE@forecast$series, SEFPs11norFORE@forecast$series, SEFPe11norFORE@forecast$series, SEFPe12norFORE@forecast$series, SEECs11gedFORE@forecast$series, SEECe11gedFORE@forecast$series,
SEECe12gedFORE@forecast$series, SEECe12stdFORE@forecast$series, SEECs12norFORE@forecast$series, SEECe12norFORE@forecast$series, SEFLe11gedFORE@forecast$series, SEFLg11gedFORE@forecast$series, SEFLe11norFORE@forecast$series, SEFLe12norFORE@forecast$series,
SEUTe11gedFORE@forecast$series, SEUTe12gedFORE@forecast$series, SEUTc11gedFORE@forecast$series, SEUTe11stdFORE@forecast$series)

series3<-cbind( SEUTc11stdFORE@forecast$series, SEUTe11norFORE@forecast$series, SEUTe12norFORE@forecast$series, SETRe11gedFORE@forecast$series, SETRs12norFORE@forecast$series, SETRe11norFORE@forecast$series, SETRe12norFORE@forecast$series, SETRg12norFORE@forecast$series,
SEMOe11gedFORE@forecast$series, SEMOe12gedFORE@forecast$series, SEMOe11stdFORE@forecast$series, SEMOe11norFORE@forecast$series, SEOGe11gedFORE@forecast$series, SEOGe12gedFORE@forecast$series, SEOGe11stdFORE@forecast$series, SEOGe11norFORE@forecast$series,
SEOGe12norFORE@forecast$series, SEOGe21norFORE@forecast$series, SEOEe11gedFORE@forecast$series, SEOEe12gedFORE@forecast$series, SEOEe11stdFORE@forecast$series, SEOEe11norFORE@forecast$series, SEOEe12norFORE@forecast$series, SEAIs11gedFORE@forecast$series,
SEAIe11gedFORE@forecast$series, SEAIe12gedFORE@forecast$series, SEAIe11stdFORE@forecast$series, SEAIs11norFORE@forecast$series, SEAIs12norFORE@forecast$series, SEAIe11norFORE@forecast$series, SEAIc12norFORE@forecast$series, SEISe11gedFORE@forecast$series,
SEISe12gedFORE@forecast$series, SEISe21gedFORE@forecast$series, SEISe11stdFORE@forecast$series, SEISe12stdFORE@forecast$series, SEISe11norFORE@forecast$series, SEISe22norFORE@forecast$series, SEISe12norFORE@forecast$series, SEISe21norFORE@forecast$series,
SEISg11norFORE@forecast$series, SEISg12norFORE@forecast$series, SEREe11gedFORE@forecast$series, SEREe11stdFORE@forecast$series, SEREg11stdFORE@forecast$series, SEREe11norFORE@forecast$series, SEREe12norFORE@forecast$series, SEAEs11gedFORE@forecast$series,
SEAEe11gedFORE@forecast$series, SEAEe12gedFORE@forecast$series, SEAEe11stdFORE@forecast$series, SEAEe12stdFORE@forecast$series, SEAEe11norFORE@forecast$series, SESOe11gedFORE@forecast$series, SESOe11stdFORE@forecast$series, SESOe12stdFORE@forecast$series, SETEe11gedFORE@forecast$series, SETEe12gedFORE@forecast$series,
SETEs11stdFORE@forecast$series, SETEe11stdFORE@forecast$series, SETEe12stdFORE@forecast$series, SETEe11norFORE@forecast$series, SEBEe12gedFORE@forecast$series, SEBEe11stdFORE@forecast$series, SEBEe12norFORE@forecast$series, SEETe11gedFORE@forecast$series,
SEETe12gedFORE@forecast$series, SEETe11stdFORE@forecast$series, SEETe12stdFORE@forecast$series, SEETe11norFORE@forecast$series, SEETe12norFORE@forecast$series, SECHe11gedFORE@forecast$series, SECHe12gedFORE@forecast$series, SECHe11stdFORE@forecast$series,
SECHe12stdFORE@forecast$series, SECHe11norFORE@forecast$series, SECHe12norFORE@forecast$series, SECHe21norFORE@forecast$series, SEAPe11gedFORE@forecast$series, SEAPe11stdFORE@forecast$series, SEAPe12stdFORE@forecast$series, SEAPe11norFORE@forecast$series,
SEAPe12norFORE@forecast$series, BITCs11gedFORE@forecast$series, BITCs12gedFORE@forecast$series, BITCc12gedFORE@forecast$series, BITCe11norFORE@forecast$series, BITCe12norFORE@forecast$series, BITCc11norFORE@forecast$series, LITCs11gedFORE@forecast$series,
LITCc11gedFORE@forecast$series, LITCc12gedFORE@forecast$series, LITCs11norFORE@forecast$series, LITCe11norFORE@forecast$series, LITCe12norFORE@forecast$series, LITCe21norFORE@forecast$series, LITCg11norFORE@forecast$series, LITCc11norFORE@forecast$series,
LITCc12norFORE@forecast$series, GREXe11gedFORE@forecast$series, GREXe12gedFORE@forecast$series, GREXe21gedFORE@forecast$series, DAXPs11gedFORE@forecast$series, DAXPs11stdFORE@forecast$series, DAXPs12norFORE@forecast$series, DAXPe11norFORE@forecast$series,
DAXPg11norFORE@forecast$series)

series<-cbind(series1, series2, series3)
```

DIGITAL APPENDIX O

O_[RESULTS]_Chapter 4.7._Sigmas of GARCH Models

Sigmas of rem. GARCH Models

	DiACe11gedF	DiACe12gedF	DiACe11stdF	DiACe12stdF	DiACe11norF	DiACe12norF	DiACe21norF	DiAIs11gedF	DiAIe11gedF	DiAIe12gedF	DiAIc11gedF	DiAIe11tdF	DiAIg11stdF	DiAIe11norF	DiAIe12norF	DiCCe11gedF	DiCCe12gedF	DiCCs11stdF	DiCCe11stdF	DiCFe22gedF	DiCFe12gedF	DiCFg21gedF	DiCFe21stdF	DiCFe11norF
T+1	0.0084335	0.00842523	0.02169984	0.01963983	0.0080905	0.0080916	0.00811374	0.01037605	0.01023909	0.00581126	0.00744997	0.0127862	0.01230699	0.00966795	0.009464	0.01596996	0.0150344	0.01598037	0.0191265	0.00987613	0.00995659	0.01096355	0.01072996	0.00989292
T+2	0.00843138	0.00872206	0.02173805	0.0232777	0.00811891	0.00825677	0.00829436	0.01020193	0.01009348	0.00838397	0.01287021	0.01267577	0.01235352	0.00958846	0.00966322	0.01595093	0.01686301	0.01598614	0.01912654	0.00902209	0.01044484	0.01115931	0.00948731	0.00992842
T+3	0.00842927	0.00850673	0.02177602	0.02011496	0.00814703	0.00819765	0.00831621	0.01004761	0.00996163	0.00492587	0.01182012	0.01257219	0.0123975	0.00951604	0.00945259	0.015932	0.01522159	0.01559819	0.01912657	0.00909905	0.01006527	0.01119254	0.00948552	0.00996393
T+4	0.00842718	0.00864771	0.02181374	0.02299112	0.00817489	0.00828343	0.00833785	0.00991105	0.00984212	0.00886315	0.01120745	0.01247497	0.01243907	0.00945002	0.0094698	0.01591315	0.01661477	0.01599766	0.0191266	0.00909279	0.01039037	0.01119895	0.00948372	0.00999944
T+5	0.00842512	0.0085413	0.02185122	0.02051461	0.00820248	0.00827495	0.00835928	0.0097904	0.00973367	0.01301366	0.01085964	0.0123837	0.01247837	0.00938978	0.00937399	0.01589439	0.01535887	0.01600341	0.01912663	0.00909428	0.01014406	0.01120089	0.00948193	0.01003497
T+6	0.00842308	0.0086064	0.02188846	0.02279027	0.0082298	0.00832703	0.00838052	0.00968394	0.00963516	0.01183507	0.01066575	0.01229797	0.01251554	0.00933481	0.00934588	0.01587572	0.01641928	0.01600915	0.01912666	0.00909506	0.0103616	0.01120209	0.00948013	0.0100705
T+7	0.00842107	0.00855319	0.02192546	0.02085264	0.00825685	0.00833941	0.00840155	0.00959012	0.0954562	0.00786877	0.0105589	0.01221742	0.0125507	0.0092846	0.00928843	0.01585714	0.01545722	0.01601488	0.01912669	0.00909589	0.0102029	0.01120315	0.00947834	0.01010604
T+8	0.00841908	0.00858213	0.02196222	0.02265492	0.00828163	0.00833703	0.00842239	0.00950755	0.00944515	0.00565291	0.01050097	0.0121417	0.01263896	0.00923873	0.00923777	0.01583865	0.01626338	0.01602026	0.01912672	0.00909672	0.01034953	0.0112042	0.00947747	0.01014158
T+9	0.00841711	0.00855425	0.02199873	0.02114407	0.00831015	0.00839779	0.00844303	0.00943494	0.00938997	0.00566477	0.01046871	0.01207051	0.01261543	0.00919681	0.00921109	0.01582022	0.01552538	0.01602632	0.01912675	0.00909756	0.01024845	0.01120524	0.00947476	0.01017714
T+10	0.00841517	0.00856586	0.02203501	0.02256982	0.00833641	0.00842897	0.00846347	0.00937115	0.00932239	0.00743433	0.01045157	0.01200354	0.0126452	0.00915848	0.00917773	0.0158019	0.01613732	0.01603203	0.01912678	0.00909839	0.01034836	0.01120628	0.00947296	0.01021269
T+11	0.00841325	0.00855019	0.02207106	0.02138843	0.0083624	0.00845294	0.00848371	0.00931516	0.00926078	0.00973985	0.01044241	0.01194053	0.01267339	0.00912341	0.00914459	0.01578365	0.01557026	0.01603773	0.01912681	0.00909922	0.01028517	0.01120731	0.00947117	0.01024826
T+12	0.00841135	0.00855354	0.02210686	0.02252343	0.00838814	0.0084811	0.00850377	0.00926605	0.00920458	0.01022315	0.01043761	0.01188123	0.01270006	0.00909133	0.00911559	0.01576549	0.01603384	0.01604342	0.01912684	0.00910005	0.0103543	0.01120835	0.00946938	0.01028383
T+13	0.00840948	0.00854838	0.02214244	0.0216037	0.00841361	0.00850607	0.00852363	0.00922301	0.00915329	0.00860894	0.01043518	0.0118254	0.01272531	0.00906197	0.00908826	0.01574742	0.01559723	0.01604911	0.01912688	0.00910087	0.01031604	0.01120938	0.00946759	0.0103194
T+14	0.00840763	0.00854323	0.02217777	0.02025069	0.00843883	0.00853263	0.0085433	0.00918853	0.00910646	0.00696887	0.01043403	0.01177282	0.01274922	0.00903508	0.00906359	0.01572942	0.01594752	0.01605479	0.01912691	0.0091017	0.01036487	0.01121042	0.00946581	0.01035498
T+15	0.0084058	0.0085364	0.02221288	0.0217929	0.0084638	0.00855769	0.00856278	0.00915229	0.00906369	0.00648994	0.0104336	0.0117233	0.01277186	0.00901047	0.00904076	0.01571151	0.01561049	0.01606046	0.01912694	0.00910253	0.010343	0.01121145	0.00946402	0.01039057
T+16	0.00840399	0.008534	0.02224776	0.02251341	0.00848851	0.00858325	0.00858207	0.0091234	0.00902459	0.00718078	0.01043354	0.01167665	0.01279329	0.00898792	0.00901992	0.01569369	0.01587428	0.01606612	0.01912697	0.00910336	0.01037845	0.01121247	0.00946223	0.01042615
T+17	0.0084022	0.00852862	0.0222824	0.02196116	0.00851296	0.00860803	0.00860117	0.00909813	0.00898885	0.00842016	0.01043369	0.01163269	0.01281359	0.00896726	0.00900074	0.01567594	0.01561328	0.01607178	0.019127	0.00910418	0.01036735	0.0112135	0.00946044	0.01046174
T+18	0.00840043	0.0085254	0.02231682	0.02253771	0.00853717	0.00863285	0.00862009	0.00907603	0.00895617	0.00909164	0.01043395	0.01159125	0.01283282	0.00894833	0.00898316	0.01565828	0.01581104	0.01607742	0.01912703	0.00910501	0.01039398	0.01121453	0.00945866	0.01049734
T+19	0.00839868	0.00852078	0.0223151	0.02211261	0.00856113	0.00865719	0.00863882	0.00905671	0.00892627	0.00862131	0.01043428	0.01155218	0.01285103	0.00893098	0.00896701	0.01564069	0.01560809	0.01608306	0.01912706	0.00910584	0.01038996	0.01121555	0.00945687	0.01053293
T+20	0.00839696	0.00851721	0.02238496	0.0225757	0.00858485	0.00868139	0.00865737	0.00903983	0.00889891	0.00767945	0.01043463	0.01151535	0.01286828	0.00891548	0.00895022	0.01562315	0.01575546	0.01608887	0.01912709	0.00910666	0.01041076	0.01121658	0.00945509	0.01056853
T+21	0.00839525	0.008513	0.02241869	0.02225055	0.00860831	0.00870523	0.00867574	0.00902508	0.00887387	0.00714331	0.01043501	0.01148061	0.01288463	0.0089005	0.00893859	0.01560577	0.01559686	0.01609432	0.01912712	0.00910749	0.01041137	0.0112176	0.00945333	0.01060413
T+22	0.00839357	0.00850932	0.0224522	0.02262421	0.00863154	0.00872886	0.00869392	0.00901219	0.00885095	0.00730202	0.01043539	0.01144785	0.01290011	0.00888713	0.00892609	0.01558842	0.01570577	0.01609994	0.01912715	0.00910831	0.01042832	0.01121862	0.00945152	0.01063973
T+23	0.0083919	0.00850535	0.02248549	0.02237758	0.00865452	0.00875219	0.00871193	0.00900094	0.00882996	0.00791805	0.01043578	0.01141694	0.01291478	0.00887487	0.00891461	0.01557116	0.01558106	0.01610555	0.01912718	0.00910913	0.01043197	0.01121964	0.00944974	0.01067533
T+24	0.00839025	0.00850167	0.02251855	0.02268074	0.00867726	0.00877527	0.00872976	0.00899112	0.00881073	0.00843355	0.01043617	0.01138778	0.01292868	0.00886363	0.00890407	0.01555397	0.01566063	0.01611115	0.01912721	0.00910995	0.01044636	0.01122065	0.00944796	0.01071094
T+25	0.00838863	0.00849787	0.02255139	0.02249581	0.00869917	0.00879808	0.00874741	0.00898254	0.00879312	0.00874654	0.01043656	0.01136026	0.01294186	0.00885331	0.00889138	0.01553582	0.01563744	0.01611687	0.01912724	0.0091078	0.01045252	0.01122167	0.00944632	0.01074254
T+26	0.00838702	0.00849424	0.02258401	0.02274336	0.00872203	0.00882063	0.00876489	0.00897505	0.00877698	0.00796316	0.01043695	0.01133429	0.01295434	0.00884385	0.00888548	0.01551984	0.01561901	0.01612233	0.01912727	0.0091116	0.01046469	0.01122268	0.00944439	0.01078214
T+27	0.00838543	0.00849057	0.02261641	0.02260686	0.00874406	0.00884292	0.00878219	0.00896852	0.00876219	0.00755976	0.01043734	0.01130977	0.01296617	0.00883517	0.00887731	0.01550289	0.01554001	0.01612791	0.0191273	0.00911242	0.01047162	0.01122369	0.00944261	0.01081774
T+28	0.00838386	0.00848701	0.02264859	0.02281056	0.00876586	0.00886495	0.00879932	0.00896281	0.00874864	0.00750245	0.01043773	0.01128663	0.01297738	0.0088272	0.0088698	0.01548601	0.01558015	0.01613348	0.01912733	0.00911324	0.01048318	0.01122471	0.00944083	0.01085334
T+29	0.00838231	0.00848345	0.02268056	0.02271206	0.00878743	0.00888673	0.00881628	0.00895783	0.0087362	0.007768	0.01043812	0.01126478	0.01298801	0.0088199	0.00886289	0.01546921	0.0155163	0.01613905	0.01912736	0.00911406	0.01049093	0.01122571	0.00943905	0.01088894
T+30	0.00838077	0.00847996	0.0227123	0.02288114	0.00880877	0.00890826	0.00883307	0.00895349	0.00872483	0.00809304	0.01043851	0.01124415	0.01299808	0.00881332	0.00885655	0.01545249	0.01554343	0.01614946	0.01912739	0.00911488	0.01050173	0.01122672	0.00943728	0.01092454
T+31	0.00837926	0.00847651	0.02274384	0.02281244	0.00882907	0.00893115	0.00886369	0.00894967	0.00871889	0.00810646	0.01043889	0.01122466	0.01300763	0.00880709	0.00884585	0.01544359	0.01553885	0.01615493	0.01912742	0.00911572	0.01051001	0.01122773	0.00943554	0.01095013
T+32	0.00837776	0.0084731	0.02277516	0.02295417	0.00885076	0.00895057	0.00888614	0.00894639	0.00870481	0.00802711	0.01043928	0.01120627	0.01301668	0.0088014	0.00884536	0.01541928	0.01550842	0.01615569	0.01912744	0.00911652	0.0105203	0.01122873	0.00943372	0.01099572
T+33	0.00837628	0.00846974	0.02280626	0.02290882	0.00887142	0.00897135	0.00888243	0.00894351	0.00869603	0.00778131	0.01043966	0.01118889	0.01302525	0.00879622	0.00884043	0.01540278	0.01546505	0.01616123	0.01912747	0.00911733	0.01052892	0.01122974	0.00943195	0.01103131
T+34	0.00837481	0.00846642	0.02283716	0.02302893	0.00889186	0.0089919	0.00889855	0.00894099	0.00868798	0.00767211	0.01044005	0.01117247	0.01303339	0.00879146	0.00883591	0.01538636	0.01547476	0.01616676	0.0191275	0.00911815	0.01053884	0.01123074	0.00943017	0.0110669
T+35	0.00837337	0.00846314	0.02286784	0.02300184	0.00891208	0.0090122	0.00891451	0.00893879	0.00868059	0.00775874	0.01044043	0.01115697	0.0130411	0.00878709	0.00883175	0.01537002	0.01543821	0.01617228	0.01912753	0.00911897	0.01054766	0.01123174	0.0094284	0.01110248
T+36	0.00837194	0.0084599	0.02289831	0.02310484	0.00893207	0.00903226	0.0089303	0.00893688	0.00867382	0.00793731	0.01044081	0.01114232	0.0130484	0.00878309	0.00882792	0.01535375	0.01544219	0.01617779	0.01912756	0.00911978	0.01055733	0.01123274	0.00942662	0.01113806
T+37	0.00837053	0.00845671	0.02292852	0.02309202	0.00895108	0.00905208	0.00894594	0.00893521	0.00866705	0.00804112	0.01044118	0.01112848	0.01305533	0.00877941	0.00882244	0.01533755	0.01541087	0.01618387	0.01912759	0.00912106	0.01056627	0.01123374	0.00942465	0.01117363
T+38	0.00836913	0.00845355	0.02295864	0.02318146	0.00897142	0.00907167	0.00896141	0.00893375	0.00866191	0.00800617	0.01044158	0.0111154	0.0130619	0.00877603	0.00882117	0.01532141	0.01541051	0.01618879	0.01912762	0.00912141	0.01057575	0.01123473	0.00942307	0.0112092
T+39	0.00836775	0.00845044	0.02298849	0.02317975	0.00899077	0.00909103	0.00897673	0.00893248	0.00865668	0.00787872	0.01044196	0.01110304	0.01306813	0.00877293	0.0088182	0.01530537	0.0153832	0.01619428	0.01912765	0.00912223	0.01058475	0.01123573	0.0094213	0.01124476
T+40	0.00836639	0.00844736	0.02301814	0.02325843	0.00900991	0.00911016	0.00899189	0.00893137	0.00865188	0.00778471	0.01044234	0.01109137	0.01307404	0.00877008	0.00881546	0.01528939	0.01537956	0.01619976	0.01912768	0.00912304	0.0105941	0.01123672	0.00941953	0.01128032
T+41	0.00836504	0.00844433	0.02304758	0.02326538	0.00902884	0.00912905	0.00900689	0.0089304	0.00864748	0.00779315	0.01044271	0.01108033	0.01307964	0.00876747	0.00881295	0.01527348	0.01535535	0.01620524	0.01912771	0.00912386	0.01060312	0.01123771	0.00941776	0.01131587
T+42	0.00836371	0.00844133	0.02307682	0.02333548	0.00904778	0.00914775	0.00902174	0.00892963	0.00864364	0.00778834	0.01044309	0.0110699	0.01308495	0.00876509	0.00881004	0.01525765	0.01534923	0.01621071	0.01912774	0.00912467	0.01061237	0.01123871	0.00941599	0.01135142
T+43	0.00836239	0.00843837	0.02310586	0.02334913	0.00906607	0.00916618	0.00903644	0.00892882	0.00863973	0.00795743	0.01044347	0.01106005	0.01308998	0.00876287	0.00880852	0.01524188	0.01532741	0.01621617	0.01912777	0.00912548	0.01062139	0.01123969	0.00941422	0.01138496
T+44	0.00836109	0.00843545	0.02313469	0.0234124	0.00908438	0.00918441	0.00905099	0.00892818	0.00863633	0.00796636	0.01044384	0.01105073	0.01309476	0.00876084	0.00880656	0.01522619	0.01531942	0.01622162	0.01912779	0.00912629	0.01063055	0.01124068	0.00941245	0.01142249
T+45	0.0083598	0.00843257	0.02316333	0.02343123	0.00910249	0.00920241	0.00906538	0.00892762	0.00863321	0.00791061	0.01044422	0.01104192	0.01309928	0.00875899	0.00880477	0.01521056	0.01529945	0.01622707	0.01912782	0.0091271	0.01063955	0.01124167	0.00941068	0.01145801
T+46	0.00835853	0.00842972	0.02319177	0.02348902	0.0091204	0.0092202	0.00907963	0.00892713	0.00863035	0.00784805	0.01044459	0.0110336	0.01310358	0.00875728	0.00880312	0.01519501	0.01529006	0.01623251	0.01912785	0.00912791	0.01064864	0.01124265	0.00940891	0.01149353
T+47	0.00835728	0.00842691	0.02322001	0.02351182	0.00913811	0.00923778	0.00909373	0.00892671	0.00862772	0.00783072	0.01044496	0.01102573	0.01310765	0.00875572	0.0088016	0.01517952	0.01527153	0.01623794	0.01912788	0.00912872	0.01065761	0.01124363	0.00940715	0.01152903
T+48	0.00835604	0.00842414	0.02324806	0.02356051	0.00915652	0.00925514	0.00910768	0.00892633	0.00862531	0.00781829	0.01044533	0.01101829	0.01311151	0.00875428	0.00880058	0.01516411	0.01526161	0.01624336	0.01912791	0.00912953	0.01066664	0.01124461	0.00940542	0.01156453
T+49	0.00835481	0.0084214	0.02327591	0.02359104	0.00917293	0.0092723	0.00912149	0.00892601	0.00862309	0.00791203	0.0104457	0.01101126	0.01311517	0.00875296	0.00879892	0.01514876	0.01524307	0.01624878	0.01912794	0.00913034	0.01067558	0.01124559	0.00940362	0.01160002
T+50	0.0083536	0.0084187	0.02330356	0.02364088	0.00919005	0.00928924	0.00913515	0.00892573	0.00862106	0.00793254	0.01044607	0.01100461	0.01311864	0.00875175	0.00879774	0.01513348	0.01523249	0.01625419	0.01912797	0.00913115	0.01068454	0.01124657	0.00940185	0.0116355
T+51	0.00835324	0.00841603	0.02333102	0.02366899	0.00920698	0.00930598	0.00914867	0.00892548	0.0086192	0.00791387	0.01044644	0.01099832	0.01312193	0.00875064	0.00879665	0.01511827	0.01521598	0.01625959	0.01912799	0.00913196	0.01069344	0.01124755	0.00940009	0.01167097
T+52	0.00835122	0.00841339	0.02335829	0.02371593	0.00922371	0.00932251	0.00916205	0.00892527	0.00861749	0.00787857	0.01044681	0.01099238	0.01312505	0.00874961	0.00879565	0.0151033	0.01520421	0.01626499	0.01912802	0.00913277	0.01070235	0.01124853	0.00939832	0.01170644
T+53	0.00835005	0.00841079	0.02338537	0.02374575	0.00924026	0.00933884	0.00917528	0.00892508	0.00861592	0.00785853	0.01044718	0.01098676	0.01312801	0.00874868	0.00879474	0.01508806	0.0151884	0.01627038	0.01912805	0.00913357	0.01071122	0.0112495	0.00939656	0.01174189
T+54	0.00834889	0.00840822	0.02341226	0.02378032	0.00925667	0.00935497	0.00918838	0.00892491	0.00861448	0.00784138	0.01044755	0.01098147	0.01313082	0.00874781	0.00879383	0.01507305	0.01517623	0.01627576	0.01912808	0.00913438	0.01072007	0.01125047	0.00939484	0.01177733
T+55	0.00834775	0.00840568	0.02343896	0.02382139	0.0092728	0.0093709	0.00920134	0.00892477	0.00861315	0.00789218	0.01044791	0.01097642	0.01313348	0.00874702	0.00879311	0.01505851	0.01516098	0.01628113	0.01912811	0.00913518	0.01072889	0.01125144	0.00939303	0.01181276
T+56	0.00834662	0.00840318	0.02346547	0.023864	0.00928879	0.00938664	0.00921417	0.00892465	0.00861194	0.0079102	0.01044828	0.01097167	0.01313601	0.0087463	0.0087924	0.01504324	0.01514853	0.01628654	0.01912814	0.00913599	0.0107377	0.01125242	0.00939127	0.01184817
T+57	0.00834455	0.0084007	0.02349118	0.02389595	0.0093046	0.00940218	0.00922686	0.00892454	0.00861082	0.00790775	0.01044864	0.01096718	0.01313841	0.00874563	0.00879174	0.01502843	0.01513374	0.01629186	0.01912816	0.00913679	0.01074647	0.01125338	0.00938951	0.01188358
T+58	0.00834444	0.00839826	0.02351794	0.02393694	0.00932023	0.00941753	0.00923941	0.00892444	0.0086098	0.00789062	0.0104449	0.01096293	0.01314068	0.00874502	0.00879114	0.01501369	0.01512109	0.01629721	0.01912819	0.00913776	0.01075523	0.01125435	0.00938775	0.01191897
T+59	0.00834331	0.00839585	0.0235499	0.02396849	0.00933504	0.00943269	0.00925183	0.00892436	0.00860866	0.00788936	0.01044936	0.01095892	0.01314283	0.00874444	0.00879055	0.01499667	0.01510894	0.01630256	0.01912822	0.00913884	0.01076396	0.01125532	0.00938599	0.01195435
T+60	0.00834223	0.00839347	0.02356967	0.0240091	0.00935096	0.00944766	0.00926412	0.00892429	0.008608	0.00787435	0.01044973	0.01095512	0.01314488	0.00874394	0.00879007	0.0149844	0.0150939	0.01630779	0.01912825	0.00913992	0.01077267	0.01125628	0.00938423	0.01198972
T+61	0.00834116	0.00839112	0.02359526	0.02404204	0.00936606	0.00946244	0.00927628	0.00892423	0.00860721	0.0078855	0.01045009	0.01095152	0.01314681	0.00874346	0.00878961	0.01496986	0.01507979	0.01631323	0.01912828	0.00914001	0.01078135	0.01125724	0.00938248	0.01202508
T+62	0.00834011	0.0083888	0.02362067	0.02408048	0.00938099	0.00947704	0.00928831	0.00892417	0.00860648	0.00789762	0.01045045	0.01094813	0.01314865	0.00874303	0.00878917	0.01495537	0.01506696	0.01631855	0.01912831	0.00914081	0.01079002	0.01125821	0.00938072	0.01206042
T+63	0.00833907	0.00838651	0.0236459	0.02411363	0.00939574	0.00949146	0.00930021	0.00892412	0.00860582	0.0079063	0.0104508	0.01094491	0.0131504	0.00874263	0.00878878	0.01494096	0.01505311	0.01632387	0.01912833	0.00914161	0.01079865	0.01125917	0.00937896	0.01209575
T+64	0.00833804	0.00838425	0.02367095	0.02415106	0.00941033	0.00950557	0.00931199	0.00892408	0.00860521	0.00789375	0.01045116	0.01094188	0.01315205	0.00874226	0.00878841	0.0149266	0.01504025	0.01632918	0.01912836	0.00914241	0.01080727	0.01126012	0.00937721	0.01213106
T+65	0.00833702	0.00838202	0.02369852	0.02418429	0.00942473	0.00951976	0.00932364	0.00892405	0.00860466	0.00788988	0.01045152	0.01093939	0.01315562	0.00874189	0.00878804	0.01491231	0.01502662	0.01633448	0.01912838	0.00914321	0.01081586	0.01126107	0.00937546	0.01216656
T+66	0.00833602	0.00837981	0.02372051	0.02422083	0.0094339	0.00953364	0.00933516	0.00892401	0.00860413	0.00788071	0.01045188	0.01093628	0.01315511	0.00874161	0.00878777	0.01489808	0.01501376	0.01633978	0.01912841	0.00914401	0.01082443	0.01126204	0.0093737	0.01220164
T+67	0.00833503	0.00837764	0.02374503	0.02425403	0.00945308	0.00954735	0.00934657	0.00892399	0.00860365	0.00788459	0.01045223	0.01093371	0.01315652	0.00874133	0.00878748	0.01488392	0.01500033	0.01634507	0.01912844	0.00914481	0.01083298	0.01126299	0.00937194	0.01223691
T+68	0.00833404	0.00837549	0.02376937	0.02428979	0.00946701	0.00956089	0.00935785	0.00892396	0.00860322	0.00789151	0.01045259	0.01093128	0.01315785	0.00874107	0.00878722	0.01486982	0.0149875	0.01635035	0.01912847	0.00914561	0.0108415	0.01126395	0.00937019	0.01227217
T+69	0.00833307	0.00837337	0.02379354	0.02432287	0.00948077	0.00957426	0.009369	0.00892394	0.00860282	0.00789526	0.01045294	0.01092898	0.01315912	0.00874083	0.00878698	0.01485578	0.01497424	0.01635563	0.0191285	0.0091464	0.01085	0.01126449	0.00936843	0.01230741
T+70	0.00833212	0.00837127	0.02381754	0.02435793	0.00949437	0.00958745	0.00938004	0.00892392	0.00860246	0.00789337	0.01045329	0.01092681	0.01316033	0.00874061	0.00878676	0.0148418	0.01496145	0.01636089	0.01912852	0.0091472	0.01085848	0.01126585	0.00936668	0.01234263
T+71	0.00833117	0.00836922	0.02384136	0.02439084	0.00950781	0.00960049	0.00939096	0.00892391	0.00860212	0.00789148	0.01045364	0.01092475	0.01316147	0.00874044	0.00878654	0.01483768	0.01494853	0.01636611	0.01912855	0.00914648	0.01086693	0.01126681	0.00936494	0.01237783
T+72	0.00833023	0.00836716	0.02386501	0.02442526	0.00952109	0.00961335	0.00940176	0.00892389	0.00860181	0.0078801	0.010454	0.01092281	0.01316255	0.00874022	0.00878637	0.01481403	0.01493562	0.01637141	0.01912858	0.00914879	0.01087536	0.01126774	0.00936318	0.01241302
T+73	0.00832931	0.00836514	0.0238885	0.02445794	0.00953422	0.00962606	0.00941245	0.00892388	0.00860153	0.00788564	0.01045435	0.01092097	0.01316358	0.00874005	0.00878562	0.01480023	0.01492266	0.01637666	0.01912861	0.00914959	0.01088377	0.01126869	0.00936143	0.01244819
T+74	0.00832839	0.00836315	0.02391181	0.02449177	0.0095472	0.0096386	0.00942302	0.00892387	0.00860127	0.00788905	0.010454	0.01091922	0.01316456	0.00873989	0.00878604	0.014785	0.01491	0.0163819	0.01912863	0.00915039	0.01089216	0.01126963	0.00935968	0.01248335
T+75	0.00832749	0.00836119	0.02393496	0.0245242	0.00956002	0.00965098	0.00943347	0.00892386	0.00860103	0.00789194	0.01045504	0.01091758	0.01316548	0.00873975	0.00878589	0.01477282	0.01489717	0.01638713	0.01912866	0.00915118	0.01090052	0.01127058	0.00935793	0.01251848
T+76	0.00832659	0.00835925	0.02395794	0.02455747	0.00957237	0.00966221	0.00944381	0.00892385	0.00860078	0.00789482	0.01045539	0.01091602	0.01316636	0.00873961	0.00878576	0.01475921	0.01488452	0.01638236	0.01912869	0.00915197	0.01090886	0.01127152	0.00935618	0.01255536
T+77	0.00832571	0.00835733	0.02398076	0.02458961	0.00958522	0.00967528	0.00945404	0.00892385	0.00860061	0.00789881	0.01045574	0.01091455	0.01316719	0.00873949	0.00878564	0.01474565	0.01487188	0.01639758	0.01912872	0.00915277	0.01091718	0.01127246	0.00935444	0.0125887
T+78	0.00832484	0.00835544	0.02400341	0.02462237	0.0095976	0.00968719	0.00946416	0.00892384	0.00860043	0.00788747	0.01045609	0.01091316	0.01316798	0.00873938	0.00878553	0.01473216	0.01485937	0.01640279	0.01912874	0.00915356	0.01092547	0.0112734	0.00935269	0.01262378
T+79	0.00832398	0.00835357	0.02402589	0.02465419	0.00960983	0.00969895	0.00947417	0.00892383	0.00860026	0.00788696	0.01045643	0.01091184	0.01316873	0.00873928	0.00878542	0.01471872	0.01484678	0.016408	0.01912877	0.00915435	0.01093374	0.01127434

T+168	0.00827652	0.00825439	0.02548426	0.02681755	0.01026932	0.01031043	0.01003465	0.0089238	0.00859836	0.00788919	0.01048413	0.01088894	0.0131824	0.00873813	0.00878423	0.01372715	0.01390618	0.01684518	0.01913098	0.00922276	0.01158443	0.01135254	0.00919804	0.01566945
T+169	0.00827622	0.00825379	0.02549568	0.02683521	0.01027333	0.01031395	0.01003825	0.0089238	0.00859836	0.00788919	0.01048441	0.01088893	0.0131824	0.00873813	0.00878423	0.01371798	0.01389732	0.01684982	0.019131	0.00922351	0.01159084	0.01135336	0.00919635	0.01570171
T+170	0.00827592	0.0082532	0.02550701	0.02685275	0.01027729	0.01031743	0.01004181	0.0089238	0.00859836	0.00788919	0.01048469	0.01088893	0.01318241	0.00873813	0.00878423	0.01370886	0.0138885	0.01685444	0.01913102	0.00922425	0.01159723	0.01135418	0.00919466	0.01573394
T+171	0.00827562	0.00825261	0.02551825	0.02687017	0.01028119	0.01032085	0.01004534	0.0089238	0.00859836	0.00788919	0.01048497	0.01088892	0.01318241	0.00873813	0.00878423	0.01369977	0.01387971	0.01685906	0.01913105	0.009225	0.0116036	0.011355	0.00919297	0.01576612
T+172	0.00827533	0.00825204	0.02552941	0.02688747	0.01028505	0.01032424	0.01004882	0.0089238	0.00859836	0.00788919	0.01048525	0.01088891	0.01318242	0.00873813	0.00878423	0.01369072	0.01387095	0.01686368	0.01913107	0.00922574	0.01160995	0.01135582	0.00919128	0.01579826
T+173	0.00827505	0.00825146	0.02554048	0.02690465	0.01028886	0.01032757	0.01005226	0.0089238	0.00859836	0.00788919	0.01048552	0.0108889	0.01318243	0.00873813	0.00878423	0.01368171	0.01386222	0.01686829	0.01913109	0.00922648	0.01161629	0.01135664	0.00918959	0.01583036
T+174	0.00827476	0.0082509	0.02555147	0.02692171	0.01029262	0.01033086	0.01005566	0.0089238	0.00859836	0.00788919	0.0104858	0.0108889	0.01318243	0.00873813	0.00878423	0.01367273	0.01385353	0.01687289	0.01913111	0.00922723	0.0116226	0.01135745	0.0091879	0.01586242
T+175	0.00827448	0.00825034	0.02556237	0.02693865	0.01029633	0.01033411	0.01005902	0.0089238	0.00859836	0.00788919	0.01048608	0.01088889	0.01318243	0.00873813	0.00878423	0.01366379	0.01384487	0.01687749	0.01913114	0.00922797	0.0116289	0.01135827	0.00918622	0.01589444
T+176	0.0082742	0.00824979	0.02557318	0.02695547	0.01029999	0.01033731	0.01006234	0.0089238	0.00859836	0.00788919	0.01048635	0.01088888	0.01318244	0.00873813	0.00878423	0.01365489	0.01383624	0.01688208	0.01913116	0.00922871	0.01163517	0.01135908	0.00918453	0.01592642
T+177	0.00827393	0.00824925	0.02558391	0.02697218	0.01030361	0.01034046	0.01006562	0.0089238	0.00859836	0.00788919	0.01048663	0.01088888	0.01318244	0.00873813	0.00878423	0.01364603	0.01382764	0.01688667	0.01913118	0.00922945	0.01164143	0.01135989	0.00918285	0.01595835
T+178	0.00827365	0.00824872	0.02559456	0.02698876	0.01030718	0.01034358	0.01006887	0.0089238	0.00859836	0.00788919	0.0104869	0.01088887	0.01318245	0.00873813	0.00878423	0.0136372	0.01381908	0.01689125	0.0191312	0.00923019	0.01164767	0.01136071	0.00918116	0.01599024
T+179	0.00827339	0.00824819	0.02560513	0.02700524	0.01031071	0.01034665	0.01007208	0.0089238	0.00859836	0.00788919	0.01048717	0.01088887	0.01318245	0.00873813	0.00878423	0.01362841	0.01381055	0.01689582	0.01913123	0.00923093	0.01165389	0.01136152	0.00917948	0.01602209
T+180	0.00827312	0.00824766	0.02561561	0.0270216	0.01031419	0.01034967	0.01007525	0.0089238	0.00859836	0.00788919	0.01048744	0.01088886	0.01318245	0.00873813	0.00878423	0.01361965	0.01380205	0.01690039	0.01913125	0.00923167	0.0116601	0.01136233	0.0091778	0.0160539
T+181	0.00827286	0.00824715	0.02562602	0.02703784	0.01031763	0.01035266	0.01007838	0.0089238	0.00859836	0.00788919	0.01048772	0.01088886	0.01318246	0.00873813	0.00878423	0.01361093	0.01379358	0.01690495	0.01913127	0.00923241	0.01166628	0.01136313	0.00917611	0.01608566

DJCFe21norF	DJCFe21norF	DJCFe21norF	DJCFg21norF	DJCFg21norF	DJCPe21stdF	DJCPe21stdF	DJCFe21stdF	DJCFe21stdF	DJCFg21stdF	DJCFg21stdF	DJCPg21stdF	DJCPg21stdF	DJNis11stdF	DJNie21stdF	DJNie11norF	DJNie22norF	DJSjg12gedF	DJSis11stdF	DJSjg11stdF	DJSic11stdF	DJSUs11stdF	DJSUe21stdF	DJSUe21stdF	DJSUg21stdF
0.00919683	0.00993065	0.00958695	0.01097592	0.00995844	0.02773248	0.02398802	0.00926279	0.01116474	0.00817363	0.00978385	0.0098196	0.00975064	0.02156369	0.06728034	0.0143383	0.01890965	0.00949747	0.01535616	0.01484251	0.01200889	0.03088141	0.02346019	0.02356829	0.02861181
0.00850783	0.01085764	0.00912512	0.01089066	0.00981252	0.02680569	0.0180938	0.00974743	0.01111991	0.00882184	0.00979081	0.00987074	0.0097649	0.02157346	0.03973013	0.01437153	0.01337761	0.0096655	0.01552416	0.01507251	0.021963	0.03092879	0.02908914	0.0289293	0.03501482
0.00856435	0.01015859	0.00912056	0.01089689	0.00979474	0.02078885	0.01802373	0.00979708	0.01117359	0.01055381	0.00979772	0.00985661	0.00974631	0.02158322	0.03967456	0.01440452	0.01412794	0.0095971	0.01569602	0.01529882	0.02348592	0.03097605	0.02909063	0.02890902	0.03738517
0.00855579	0.01083404	0.00911	0.01090086	0.00979318	0.02075297	0.01800951	0.00980134	0.01113852	0.01187511	0.0098046	0.00987796	0.00974909	0.02159295	0.03961942	0.01443727	0.01405262	0.0096827	0.01585434	0.01552161	0.02472602	0.03102319	0.02905218	0.02887132	0.0383053
0.00855312	0.01034997	0.00911146	0.01090488	0.00979364	0.02071749	0.01799538	0.00980074	0.01118358	0.01157012	0.00981143	0.00987991	0.009078	0.02160267	0.03956471	0.01446977	0.01410316	0.00966671	0.01601663	0.01574103	0.02575347	0.03107022	0.02901378	0.02884266	0.03863767
0.00854991	0.01084576	0.00910692	0.01090889	0.00979436	0.02068233	0.01798134	0.00979961	0.01115588	0.01025395	0.00981822	0.00989236	0.00973612	0.02161237	0.03951044	0.01450204	0.01413467	0.00971656	0.01617713	0.01595722	0.02661671	0.03111712	0.02897567	0.02881422	0.03872235
0.00854676	0.01051476	0.00910238	0.01091289	0.00979551	0.02064749	0.01796738	0.00979843	0.01119364	0.00927942	0.00982497	0.009899	0.00972832	0.02162205	0.03945659	0.01453406	0.01416883	0.00972263	0.0163359	0.01617031	0.02735069	0.03116391	0.02893786	0.02878599	0.03870125
0.00854361	0.01088823	0.00909787	0.01091687	0.00979586	0.02061208	0.01795535	0.00979725	0.01117215	0.00927284	0.00983134	0.00990837	0.00972447	0.02163171	0.03940316	0.01456585	0.01420258	0.00975676	0.01649298	0.01638041	0.02798152	0.03121058	0.02890393	0.02875798	0.03866131
0.00854047	0.01066033	0.00909333	0.01092085	0.00979662	0.02057878	0.01793997	0.00979607	0.01120394	0.00999688	0.00988385	0.00991671	0.00971814	0.02164135	0.03935015	0.01459739	0.0142358	0.00977183	0.01664843	0.01658765	0.02852917	0.03125713	0.0288631	0.02873018	0.03854939
0.00853732	0.01093636	0.00908881	0.01092483	0.00979737	0.02054489	0.01792597	0.00979489	0.01118748	0.01082565	0.00984498	0.00992556	0.00971352	0.02165097	0.03929755	0.01462871	0.01426903	0.00979876	0.01680229	0.01679213	0.02900916	0.03130357	0.02882616	0.02870326	0.03845599
0.00853418	0.01079209	0.0090483	0.01092879	0.00979812	0.02051131	0.01791232	0.00979372	0.01121438	0.01101704	0.00985157	0.00993386	0.00970787	0.02166057	0.03924536	0.01465978	0.01430207	0.00981734	0.0169546	0.01699395	0.02943376	0.0313499	0.02878949	0.02867522	0.03835958
0.00853104	0.01100283	0.00907979	0.01093274	0.00979887	0.02047804	0.01789875	0.00979255	0.01120198	0.01051705	0.00985812	0.00994238	0.00970298	0.02167016	0.03919358	0.01469063	0.01433494	0.0098408	0.0171054	0.01719329	0.02981276	0.0313961	0.02875311	0.02864805	0.03826228
0.00852791	0.01091396	0.00907529	0.01093668	0.00979962	0.02044507	0.01788526	0.00979138	0.01122488	0.00989942	0.00986463	0.00995507	0.00969768	0.02167972	0.0391422	0.01472124	0.01436762	0.00986048	0.01725473	0.01738997	0.03015405	0.0314422	0.02871701	0.02862109	0.03816501
0.00852477	0.01107814	0.00907081	0.01094062	0.00980037	0.02040124	0.01787185	0.00978921	0.01121576	0.00967223	0.00987111	0.00995906	0.00969272	0.02168927	0.03909121	0.01475162	0.01440011	0.00988206	0.01740264	0.01758434	0.03046401	0.03148818	0.02859433	0.02850648	0.03806816
0.00852164	0.01102875	0.00906631	0.01094455	0.00980111	0.02038003	0.01785851	0.00978905	0.01123536	0.00992099	0.00987754	0.00996732	0.00968765	0.02169888	0.03904063	0.01478177	0.01443243	0.00990183	0.01754915	0.0177764	0.03074785	0.03153405	0.02864564	0.02856778	0.03797189
0.00851852	0.01115975	0.00906183	0.01094846	0.00980186	0.02034795	0.01784524	0.00978789	0.01122888	0.01036769	0.00988393	0.00997556	0.00968274	0.02170831	0.03899043	0.01481169	0.01446456	0.00992224	0.01769431	0.01796622	0.03100983	0.03157981	0.02861036	0.02854142	0.03787628
0.0085154	0.01113851	0.00905735	0.01095237	0.0098026	0.02031616	0.01783205	0.00978673	0.01124577	0.01061576	0.00989029	0.00998374	0.0096778	0.02171781	0.03894063	0.01484138	0.01449652	0.0099417	0.01783814	0.01815387	0.03125345	0.03162545	0.02857536	0.02851527	0.03778136
0.00851228	0.01124585	0.00905288	0.01095627	0.00980335	0.02028466	0.01781894	0.00978558	0.01124142	0.01049198	0.00989661	0.00999188	0.00967296	0.02172728	0.03889121	0.01487084	0.01452829	0.00996125	0.01798068	0.0183394	0.0314816	0.03167098	0.02854062	0.02848931	0.03768713
0.00850916	0.0112447	0.00904842	0.01096016	0.00980409	0.02025345	0.01780059	0.00978443	0.01125608	0.01017457	0.00990289	0.00999997	0.00966814	0.02173674	0.03884217	0.01490008	0.01455988	0.00998021	0.01812195	0.01852291	0.03169667	0.03171641	0.02850614	0.02846355	0.03759361
0.00850604	0.01133519	0.00904396	0.01096404	0.00980483	0.02022251	0.01779293	0.00978328	0.01125343	0.00996016	0.00990913	0.01000801	0.00966339	0.02174618	0.03879351	0.01492911	0.01459129	0.00999905	0.0182662	0.01870443	0.03190064	0.03176172	0.02847193	0.02843798	0.03750077
0.00850293	0.01134835	0.0090395	0.01096792	0.00980557	0.02019186	0.01778004	0.00978213	0.01126625	0.0099938	0.00991533	0.0100116	0.00965867	0.02175559	0.03874523	0.01495789	0.01462251	0.01001747	0.01840084	0.01888402	0.03209514	0.03180692	0.02843798	0.0284126	0.03740864
0.00849982	0.01142683	0.00903505	0.01097178	0.00980631	0.02016148	0.01776722	0.00978099	0.01126496	0.01020061	0.0099215	0.01002395	0.00965401	0.021765	0.03869731	0.01498646	0.01465357	0.01003567	0.0185385	0.01906175	0.03228155	0.03185201	0.02840429	0.02838742	0.03731719
0.00849672	0.01145021	0.00903061	0.01097564	0.00980705	0.02013137	0.01775447	0.00977985	0.01127626	0.01038352	0.00992763	0.01003185	0.0096494	0.02177438	0.03864977	0.0150148	0.01468445	0.01005354	0.01867501	0.01923766	0.032461	0.03189	0.02837085	0.02836242	0.03722643
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0.00847507	0.01180606	0.00899967	0.01100239	0.0098122	0.01992805	0.01766722	0.00977195	0.01130701	0.01031458	0.0099695	0.01008586	0.0096184	0.02183956	0.03832701	0.01520715	0.01489561	0.01017101	0.01960037	0.02042204	0.03358515	0.03220889	0.02814379	0.02819262	0.03660999
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0.00836601	0.01355966	0.00884484	0.01113354	0.00983797	0.01906007	0.01726874	0.00973346	0.01144223	0.01021584	0.01015861	0.01033056	0.00949022	0.02216136	0.03691288	0.01604192	0.01585141	0.01060814	0.02371623	0.02556371	0.03803701	0.03373506	0.02714719	0.02744665	0.03391795
0.00836303	0.01360836	0.00884064	0.01113704	0.00983867	0.01903963	0.01725877	0.00973244	0.01144513	0.0102174	0.01016329	0.01033662	0.00948873	0.02216999	0.03687878	0.01606175	0.01587502	0.01061702	0.02381849	0.02568949	0.03814286	0.03377571	0.02712313	0.02742847	0.03385359
0.00836006	0.01365708	0.00883645	0.01114053	0.00983937	0.01901937	0.01724885	0.00973142	0.01144786	0.01021865	0.01016793	0.01034265	0.00948442	0.0221786	0.03684494	0.01608141	0.01589848	0.0106259	0.02392022	0.02581454	0.03824793	0.03381627	0.02709924	0.02741058	0.03378976
0.00835709	0.01370576	0.00883226	0.01114401	0.00984007	0.01899928	0.01723899	0.0097304	0.01145066	0.01021865	0.01017255	0.01034864	0.00948156	0.0221872	0.03681135	0.01610091	0.01592179	0.01063466	0.02402142	0.02593887	0.03835224	0.03385674	0.02707552	0.02739281	0.03372643
0.00835412	0.01375445	0.00882807	0.01114748	0.00984076	0.01897936	0.01722918	0.00972939	0.01145333	0.01021765	0.01017714	0.0103546	0.00947873	0.02219578	0.036778	0.01612024	0.01594495	0.01064328	0.02412209	0.02606248	0.03845579	0.03389712	0.02705198	0.02737517	0.03366362
0.00835116	0.0138031	0.00882389	0.01115092	0.00984145	0.01895968	0.01721943	0.00972839	0.01145605	0.01021664	0.01018237	0.01036052	0.00947594	0.02220434	0.03674749	0.01613794	0.01596774	0.01065737	0.02423783	0.02618538	0.03855859	0.03393741	0.02702861	0.02735754	0.03360131
0.0083482	0.01385175	0.00881972	0.01115444	0.00984215	0.01894004	0.01720973	0.00972737	0.01145864	0.01021644	0.01018623	0.0103664	0.00947317	0.02221289	0.03671204	0.01615841	0.01599081	0.01066013	0.02432189	0.02630758	0.03866065	0.03397762	0.02700541	0.02734028	0.03353951
0.00834524	0.01390037	0.00881555	0.01115785	0.00984285	0.01892063	0.01720008	0.00972637	0.01146128	0.01021705	0.01019073	0.01037225	0.00947043	0.02222142	0.03667943	0.01617725	0.01601355	0.01066837	0.02442102	0.0264291	0.03876198	0.03401774	0.02698238	0.02732303	0.03347822
0.00834228	0.01394899	0.00881139	0.01116129	0.00984354	0.01890138	0.01719048	0.00972536	0.01146381	0.01021782	0.01019521	0.01037806	0.00946772	0.02222994	0.03664705	0.01619594	0.01603612	0.01067649	0.02451966	0.02654994	0.03886259	0.03405777	0.02695952	0.0273059	0.03341742
0.00833933	0.01399758	0.00880723	0.01116473	0.00984423	0.0188823	0.01718094	0.00972436	0.01146637	0.0102181	0.01019966	0.01038384	0.00946504	0.02223844	0.03661492	0.01621447	0.01605854	0.01068448	0.0246178	0.02667012	0.03896248	0.03409771	0.02693682	0.02728889	0.03335711
0.00833638	0.01404615	0.00880307	0.01116815	0.00984492	0.01886338	0.01717145	0.00972337	0.01146883	0.01022106	0.01020398	0.01038961	0.00946238	0.02224692	0.03658301	0.01623283	0.01608096	0.01069183	0.02471466	0.02679863	0.03906167	0.03413756	0.02691429	0.02727321	0.03329679
0.00833343	0.0140947	0.00879893	0.01117157	0.00984561	0.01884462	0.01716201	0.00972237	0.01147131	0.0102172	0.01020847	0.01039529	0.00945976	0.02225539	0.03655135	0.01625105	0.01610296	0.01070012	0.02481263	0.02690085	0.03916015	0.03417733	0.02689192	0.02725525	0.03323797
0.00833049	0.01414324	0.00879478	0.01117498	0.0098463	0.01882602	0.01715263	0.00972138	0.01147372	0.01021691	0.01021283	0.01040096	0.00945716	0.02226384	0.03651991	0.01626911	0.01612495	0.01070776	0.02490933	0.02702672

0.00807666	0.01835826	0.00844237	0.01145344	0.0099049	0.01765352	0.01648572	0.00964159	0.01159672	0.0102174	0.01051133	0.01079043	0.00930725	0.02296391	0.03444601	0.0173867	0.01760211	0.01108512	0.0321571	0.03576274	0.04589112	0.03747382	0.02540072	0.02613932	0.02949392
0.00807396	0.01840273	0.00843867	0.01145624	0.00990552	0.01764474	0.01647996	0.00964081	0.0115974	0.0102174	0.01051377	0.01079363	0.00930626	0.02297106	0.03442959	0.01739471	0.01761384	0.01108713	0.03222527	0.03584404	0.04594627	0.03750687	0.02538906	0.02613061	0.02946718
0.00807126	0.01844713	0.00843498	0.01145904	0.00990613	0.01763602	0.01647424	0.00964002	0.01159807	0.0102174	0.0105162	0.01079682	0.00930528	0.0229782	0.03441328	0.01740266	0.0176255	0.01108911	0.03229324	0.03592507	0.0460011	0.03753985	0.02537747	0.02612197	0.02944069
0.00806857	0.01849147	0.00843129	0.01146182	0.00990675	0.01762738	0.01646855	0.00963924	0.01159873	0.0102174	0.01051861	0.01079998	0.00930432	0.02298532	0.03439709	0.01741052	0.01763707	0.01109106	0.032361	0.03600584	0.04605562	0.03757278	0.02536597	0.02611339	0.02941443
0.00806587	0.01853574	0.0084276	0.01146461	0.00990736	0.01761881	0.01646288	0.00963845	0.01159938	0.0102174	0.01052101	0.01080312	0.00930336	0.02299243	0.03438101	0.01741832	0.01764855	0.01109299	0.03242855	0.03608635	0.04610982	0.03760564	0.02535454	0.02610487	0.02938842
0.00806318	0.01857995	0.00842392	0.01146738	0.00990797	0.0176103	0.01645725	0.00963767	0.01160002	0.0102174	0.0105234	0.01080625	0.00930242	0.02299953	0.03436505	0.01742605	0.01765995	0.01109488	0.03249589	0.0361666	0.04616372	0.03763844	0.02534319	0.0260964	0.02936264
0.00806049	0.01862409	0.00842024	0.01147015	0.00990858	0.01760187	0.01645165	0.00963689	0.01160065	0.0102174	0.01052576	0.01080935	0.00930148	0.02300662	0.03434919	0.0174337	0.01767127	0.01109675	0.03256302	0.03624659	0.0462173	0.03767118	0.02533192	0.026088	0.02933709
0.00805781	0.01866817	0.00841657	0.01147291	0.00990919	0.0175935	0.01644607	0.00963612	0.01160128	0.0102174	0.01052811	0.01081243	0.00930055	0.02301369	0.03433344	0.01744128	0.01768251	0.01109859	0.03262995	0.03632633	0.04627058	0.03770386	0.02532073	0.02607965	0.02931178
0.00805513	0.01871218	0.0084129	0.01147567	0.0099098	0.01758519	0.01644053	0.00963534	0.01160189	0.0102174	0.01053045	0.0108155	0.00929964	0.02302075	0.03431781	0.0174488	0.01769367	0.01110041	0.03269668	0.03640581	0.04632356	0.03773648	0.02530962	0.02607137	0.02928669
0.00805245	0.01875613	0.00840924	0.01147842	0.00991041	0.01757696	0.01643501	0.00963457	0.0116025	0.0102174	0.01053277	0.01081854	0.00929873	0.02302779	0.03430228	0.01745624	0.01770475	0.0111022	0.0327632	0.03648504	0.04637624	0.03776903	0.02529858	0.02606314	0.02926183
0.00804977	0.0188	0.00840558	0.01148117	0.00991101	0.01756879	0.01642952	0.0096338	0.0116031	0.0102174	0.01053508	0.01082156	0.00929783	0.02303483	0.03428685	0.01746362	0.01771575	0.01110396	0.03282952	0.03656402	0.04642862	0.03780153	0.02528761	0.02605496	0.0292372
0.00804709	0.01884381	0.00840193	0.01148391	0.00991162	0.01756068	0.01642406	0.00963303	0.01160369	0.0102174	0.01053737	0.01082457	0.00929695	0.02304185	0.03427154	0.01747093	0.01772666	0.0111057	0.03289564	0.03664275	0.0464807	0.03783397	0.02527673	0.02604685	0.0292128
0.00804442	0.01888756	0.00839828	0.01148665	0.00991223	0.01755264	0.01641863	0.00963227	0.01160427	0.0102174	0.01053965	0.01082755	0.00929607	0.02304886	0.03425633	0.01747817	0.0177375	0.01110741	0.03296157	0.03672124	0.04653249	0.03786634	0.02526591	0.02603879	0.02918861
0.00804175	0.01893123	0.00839463	0.01148937	0.00991283	0.01754466	0.01641323	0.0096315	0.01160484	0.0102174	0.01054191	0.01083052	0.0092952	0.02305586	0.03424122	0.01748534	0.01774826	0.0111091	0.03302729	0.03679947	0.04658398	0.03789866	0.02525517	0.02603078	0.02916465

DJSu2stdF	DJSu1norF	DJWEe1ged	DJWEe12ged	DJWEe11stdF	DJWEe12stdF	DJWEe11norF	DJWEe12norF	DJWEe11norF	DJZie2stdF	DJZie1stdF	DJZis1norF	DJZie1norF	DJZie12norF	DJLHe1gedF	DJLHe12gedF	DJLHe11stdF	DJLHe12stdF	DJLHe1norF	DJLHe2norF	DJLHe21norF	DJNGe21stdF	DJNGe21norF	DJPEe1gedF
0.02823902	0.01208994	0.01615032	0.01841372	0.01847356	0.02145459	0.01568627	0.01707843	0.01607097	0.01905825	0.01558179	0.01513451	0.01481061	0.01593555	0.02764168	0.02498713	0.03651469	0.03252893	0.02634375	0.02372754	0.02397496	0.01285002	0.01108036	0.01007237
0.03441045	0.01248248	0.01607084	0.01502556	0.01841398	0.01675048	0.01564616	0.01514658	0.01601486	0.02231497	0.0215588	0.01557298	0.01515728	0.0152915	0.01606527	0.02744326	0.031822	0.03633793	0.04293672	0.02622841	0.02930543	0.02381054	0.01146232	0.01087419	0.0100734
0.03698582	0.01216936	0.01599322	0.01736167	0.01835543	0.02049491	0.01560769	0.01628779	0.01595953	0.02228547	0.02155196	0.0155642	0.01517994	0.01498069	0.0159614	0.02724835	0.02596432	0.03616385	0.03391679	0.02611506	0.02482175	0.02372602	0.01150037	0.01106186	0.01007443
0.03810236	0.01243797	0.01591741	0.01542113	0.01829789	0.01719117	0.01556903	0.01549442	0.01590498	0.02228155	0.02154514	0.01555545	0.01520249	0.01524652	0.01604788	0.02705688	0.02986657	0.0359924	0.04023834	0.02600368	0.02782711	0.02364284	0.01153827	0.01109386	0.01007545
0.03855286	0.01222653	0.01584334	0.01671685	0.01824134	0.01980692	0.01553195	0.01593726	0.01585119	0.02227741	0.02153833	0.01554673	0.01522492	0.01509281	0.01597921	0.02686878	0.02636973	0.03582354	0.03460404	0.0258942	0.02533464	0.02356097	0.01157602	0.01118742	0.01007647
0.03868592	0.01241088	0.01577099	0.01558846	0.01818575	0.0174782	0.01549583	0.01559877	0.01578816	0.02227327	0.02153153	0.01553804	0.01524724	0.0152444	0.01603697	0.02668398	0.02855536	0.03565722	0.03840184	0.0257866	0.02692572	0.02348038	0.01161362	0.01125633	0.01007749
0.0386651	0.01226865	0.0157003	0.01629303	0.01813112	0.01930078	0.01546063	0.01575897	0.01574588	0.02226914	0.01525475	0.01552937	0.01526945	0.01517369	0.01599168	0.0265024	0.02642503	0.03549338	0.0348345	0.02568084	0.02551231	0.02340105	0.01165108	0.01133473	0.0100785
0.0385694	0.01239571	0.01565132	0.01502367	0.01807742	0.0176531	0.01542633	0.01560411	0.01569434	0.02226702	0.01515768	0.01552073	0.01529154	0.01525468	0.01603037	0.02632996	0.02706915	0.03533199	0.03707464	0.02572676	0.02632906	0.02332295	0.01168838	0.01140904	0.01007951
0.03843748	0.01230058	0.01556372	0.01599334	0.01802464	0.01891857	0.0153929	0.01565085	0.01564352	0.0222609	0.01511123	0.01551212	0.01531353	0.01523773	0.01600061	0.02614862	0.02627539	0.0351173	0.03477917	0.02547469	0.02550425	0.02324607	0.01172554	0.01148474	0.01008052
0.0382884	0.01238866	0.01549776	0.01558438	0.01797275	0.01774787	0.01536033	0.01557084	0.01559343	0.02225679	0.01250449	0.01550354	0.0153354	0.01529641	0.01602664	0.02597629	0.0268775	0.03501637	0.03606444	0.02537422	0.02589878	0.02317038	0.01176255	0.01155958	0.01008153
0.03813157	0.01232557	0.01543329	0.01576549	0.01792174	0.0186221	0.01532859	0.01557262	0.01554405	0.02225269	0.01249776	0.01549498	0.01535716	0.01529261	0.01600719	0.02580693	0.02601092	0.03486206	0.03455153	0.02527545	0.02539673	0.02309587	0.01179941	0.01163444	0.01008253
0.03797165	0.01238713	0.01537028	0.01550534	0.01787159	0.01778587	0.01529765	0.01552364	0.01549538	0.0222486	0.01249105	0.01548645	0.0153788	0.01533407	0.0160248	0.02564045	0.02627655	0.03471002	0.03525045	0.02517834	0.02556211	0.0230225	0.01183612	0.01170899	0.01008353
0.03781094	0.01234583	0.01530868	0.01558059	0.01782229	0.0183857	0.01526675	0.01550808	0.01544741	0.02224451	0.02148435	0.01547795	0.01540034	0.01534224	0.01601221	0.02547681	0.02568587	0.03456022	0.03422444	0.02508286	0.02523815	0.02295026	0.01187268	0.01178335	0.01008453
0.03765058	0.01238894	0.01524847	0.01540601	0.01777381	0.0177844	0.01523811	0.01547242	0.01540012	0.02224043	0.02147766	0.01546948	0.01542177	0.01537464	0.01602423	0.02531594	0.02575845	0.03441261	0.03456557	0.02498898	0.02528007	0.02287913	0.01190909	0.01185746	0.01008552
0.03749112	0.01236286	0.0151896	0.0154224	0.01772615	0.01819189	0.01520946	0.01545064	0.01535351	0.02223636	0.02147099	0.01546103	0.01544309	0.01538928	0.01601619	0.02515778	0.02533223	0.03426716	0.03384363	0.02489666	0.02505525	0.02280908	0.01194535	0.01193134	0.01008651
0.03733285	0.01239408	0.01533204	0.01529755	0.01767929	0.01775585	0.01518154	0.01542111	0.01530758	0.02223229	0.02146433	0.01545261	0.0154643	0.01541652	0.0160245	0.02500229	0.0252954	0.03412382	0.03396789	0.02480588	0.02503145	0.02274011	0.01198146	0.01200499	0.0100875
0.03717589	0.01237767	0.01507576	0.01528169	0.01763322	0.01802865	0.01515432	0.01539756	0.01526231	0.02222823	0.01545768	0.01544422	0.01548554	0.0154344	0.01601948	0.0248494	0.02496855	0.03398257	0.03343736	0.0247166	0.02486259	0.02267219	0.01201742	0.01207839	0.01008849
0.0370203	0.01240052	0.01502073	0.01518619	0.01758791	0.01770904	0.01512778	0.01537123	0.01521769	0.02222418	0.01545105	0.01543585	0.01550639	0.01545889	0.01602532	0.02469906	0.02487102	0.03384336	0.03343152	0.0246288	0.02480457	0.02260653	0.01205323	0.01215155	0.01008947
0.03686609	0.01239096	0.01496691	0.01515314	0.01754335	0.01788766	0.01510191	0.01534766	0.01517372	0.02222013	0.01244443	0.01542751	0.01552727	0.01547837	0.01602231	0.02455122	0.0246054	0.03370616	0.03302283	0.02454245	0.02466802	0.02253943	0.01208889	0.01222447	0.01009045
0.03671329	0.01240809	0.01491428	0.01507538	0.01749953	0.01765022	0.01507689	0.01532331	0.01513039	0.02221609	0.02143783	0.01541492	0.01554804	0.01550131	0.01602651	0.02440583	0.02447548	0.03357094	0.03294023	0.02445751	0.02459295	0.02247455	0.01212144	0.01229713	0.01009143
0.03656189	0.01240318	0.01486281	0.01503362	0.01745644	0.0177631	0.01505209	0.01530039	0.0150877	0.02221206	0.02143124	0.01541091	0.01556871	0.01552153	0.01602483	0.02426284	0.02424867	0.03343766	0.0326103	0.02437397	0.02447569	0.02241065	0.01215976	0.01236954	0.0100924
0.03641189	0.01241642	0.01481246	0.01496696	0.01741407	0.01758379	0.01502812	0.01527749	0.01504563	0.02220803	0.02142466	0.01540265	0.01558927	0.01554353	0.01602794	0.02412219	0.02410274	0.03330628	0.03248372	0.0242918	0.02439288	0.02234771	0.01219497	0.01244169	0.01009337
0.03626327	0.01241466	0.01476321	0.01492125	0.01737239	0.01765089	0.01500474	0.01525548	0.01500417	0.0222040	0.0214181	0.01539442	0.01560972	0.01556404	0.01602714	0.02398385	0.02390149	0.03317679	0.03220579	0.02421096	0.02428774	0.0222832	0.01223002	0.01251358	0.01009434
0.03611602	0.01242525	0.01471503	0.01486188	0.0173314	0.01751281	0.01498194	0.01523377	0.01496332	0.0222	0.02141155	0.01538621	0.01563007	0.01558544	0.01602953	0.02384777	0.02374898	0.03304913	0.03205526	0.02413145	0.02420221	0.02222466	0.01226493	0.01258521	0.0100953
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0.03030815	0.01265322	0.01324603	0.01325992	0.01593617	0.01606274	0.01433656	0.01460946	0.01354622	0.02200783	0.02110039	0.01500795	0.01652026	0.01650017	0.01607547	0.0191568	0.01827618	0.0284649	0.02576074	0.0210439	0.021533	0.02007486	0.0138189	0.01578656	0.01014012
0.03021924	0.01265746	0.01322936	0.01324185	0.01591795	0.0160434	0.01433005	0.01460298	0.01352773	0.02200415	0.02109448	0.015001	0.01653569	0.01651597	0.01607638	0.01909382	0.01820956	0.02840086	0.02568794	0.0213683	0.02111525	0.02004554	0.01384624	0.01584246	0.01014096
0.03013125	0.01266167	0.01321302	0.01323502	0.01590002	0.01602484	0.01432369	0.01459665	0.01350953	0.02200048	0.02108858	0.01499467	0.01655104	0.01653169	0.01607707	0.0190172	0.01814047	0.02833714	0.02561669	0.02133274	0.02107783	0.02001661	0.01387343	0.01589802	0.01014178
0.03004418	0.01266592	0.01319701	0.01320678	0.01588235	0.01600559	0.01431748	0.01459046	0.01349165	0.02199681	0.0210827	0.01498716	0.01656631	0.01654731	0.01607819	0.01897048	0.01807967	0.02827442	0.02554636	0.02129771	0.02104103	0.01998808	0.01390048	0.01595325	0.01014261
0.02995802	0.01267012	0.01318131	0.01318977	0.01586496	0.01598712	0.01431142	0.01458441	0.01347404	0.02199315	0.02107682	0.01498028	0.01658148	0.01656285	0.01607909	0.01891009	0.01801636	0.02821252	0.02547752	0.02126318	0.02100483	0.01995995	0.01392739

0.02507924	0.01299973	0.01252173	0.01247882	0.01501246	0.01508869	0.01409037	0.01435751	0.01265885	0.02168752	0.02059355	0.01444557	0.01764439	0.01764385	0.0161566	0.01574646	0.01501275	0.02484435	0.0224139	0.01952611	0.01929664	0.01849776	0.01582517	0.01970335	0.01020842
0.02504877	0.0130029	0.01251901	0.01247591	0.01500795	0.01508399	0.01408967	0.01435676	0.01265505	0.02168437	0.02058865	0.01444049	0.01765332	0.01765285	0.01615742	0.01572755	0.01499716	0.02482333	0.02239967	0.01951649	0.01928805	0.01848929	0.0158411	0.01973216	0.01020905
0.02501866	0.01300606	0.01251635	0.01247306	0.0150035	0.01507935	0.014089	0.01435603	0.01265131	0.02168123	0.02058376	0.01443543	0.01766219	0.0176618	0.01615824	0.01570886	0.0149818	0.02480256	0.02238567	0.019507	0.01927958	0.01848092	0.01585693	0.01976073	0.01020968
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0.02495955	0.01301236	0.01251117	0.01246752	0.01499481	0.01507029	0.0140877	0.01435461	0.01264402	0.02167497	0.02057401	0.01442536	0.01767977	0.01767954	0.01615988	0.01567215	0.01495172	0.0247617	0.02235837	0.01948839	0.01926304	0.01846451	0.01588831	0.0198172	0.01021093
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0.02490186	0.01301862	0.01250618	0.01246218	0.01498636	0.01506149	0.01408645	0.01435326	0.01263699	0.02166873	0.0205643	0.01441535	0.01769715	0.01769705	0.01616151	0.01563631	0.01492249	0.02472175	0.02233195	0.01947029	0.019247	0.01844852	0.01591929	0.01987278	0.01021217
0.02487354	0.01302173	0.01250375	0.01245959	0.01498223	0.01505718	0.01408585	0.01435261	0.01263356	0.02166562	0.02055945	0.01441038	0.01770576	0.01770573	0.01616232	0.0156187	0.01490819	0.02470211	0.02231906	0.01946141	0.01923916	0.01844067	0.01593464	0.01990023	0.01021278
0.02484556	0.01302483	0.01250137	0.01245705	0.01497816	0.01505294	0.01408527	0.01435197	0.01263019	0.02166251	0.02055462	0.01440542	0.01771431	0.01771436	0.01616314	0.0156013	0.01489409	0.02468269	0.02230638	0.01945266	0.01923143	0.01843292	0.0159499	0.01992747	0.0102134
0.02481793	0.01302793	0.01249904	0.01245455	0.01497414	0.01504876	0.0140847	0.01435134	0.01262687	0.02165941	0.0205498	0.01440047	0.01772282	0.01772293	0.01616395	0.01558411	0.01488019	0.02466349	0.02229391	0.01944403	0.01922383	0.01842527	0.01596506	0.01995449	0.01021402
0.02479064	0.01303102	0.01249675	0.0124521	0.01497019	0.01504464	0.01408414	0.01435073	0.01262362	0.02165631	0.02054498	0.01439555	0.01773127	0.01773144	0.01616476	0.01556711	0.01486649	0.02464451	0.02228165	0.01943551	0.01921634	0.01841772	0.01598013	0.01998129	0.01021463
0.02476368	0.01303409	0.0124945	0.0124497	0.01496629	0.01504058	0.01408359	0.01435014	0.01262042	0.02165322	0.02054018	0.01439064	0.01773967	0.01773991	0.01616557	0.01555032	0.01485299	0.02462573	0.02226958	0.01942711	0.01920896	0.01841027	0.0159951	0.02000788	0.01021524
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0.02471074	0.01304022	0.01249012	0.01244503	0.01495866	0.01503263	0.01408254	0.01434899	0.01261418	0.02164705	0.0205306	0.01438087	0.01775633	0.01775668	0.01616719	0.01551732	0.01482655	0.02458881	0.02224603	0.01941064	0.01919454	0.01839564	0.01602476	0.02006041	0.01021646

DJPEe12eedF	DJPEe11eedF	DJPEe12stdF	DJPEe11norF	DJPEe12norF	DJSOe12eedF	DJSOe12stdF	DJSOe11norF	DJSOe12norF	DJSOe11norF	SEFPe11eedF	SEFPe11eedF	SEFPe12eedF	SEFPe11stdF	SEFPe12stdF	SEFPe11norF	SEFPe11norF	SEFPe12norF	SEECe11eedF	SEECe11eedF	SEECe12eedF	SEECe12stdF	SEECe11norF	SEECe12norF	SEFIe11eedF
0.01004885	0.01385681	0.01360208	0.0101128	0.01010197	0.01155525	0.01515055	0.01121673	0.0101018	0.01011608	0.00995475	0.00824332	0.00847707	0.01419056	0.01510035	0.00993763	0.00817591	0.00839214	0.00628716	0.00776414	0.00754538	0.01074936	0.0055965	0.00711485	0.0084136
0.00996751	0.01386826	0.01351446	0.01015026	0.01007163	0.01077944	0.01340293	0.01124485	0.01091928	0.01077542	0.01003534	0.0083757	0.00855502	0.01451217	0.01601159	0.00999688	0.0083611	0.0084863	0.00641637	0.00775262	0.00743703	0.01056643	0.00568411	0.00717084	0.00840289
0.0100297	0.0138797	0.01358609	0.01018772	0.01016775	0.01075863	0.01339145	0.01127261	0.01079058	0.01080063	0.01011135	0.00850245	0.00868345	0.01481923	0.01594771	0.01005263	0.00853913	0.00867406	0.00653476	0.00774161	0.00746521	0.01067814	0.0057944	0.00721273	0.00839242
0.0099875	0.01389113	0.01356377	0.01022516	0.01016545	0.01073808	0.01338006	0.01130002	0.01084442	0.01082552	0.01018308	0.00862372	0.00877238	0.01511198	0.01649595	0.0101051	0.00871003	0.00881745	0.00664171	0.00773108	0.00746062	0.01067132	0.00588175	0.00725325	0.00838219
0.01002125	0.01390255	0.0135969	0.01026259	0.01023975	0.01071778	0.01336877	0.01132706	0.01086361	0.01085009	0.01025081	0.00873963	0.00887947	0.01539071	0.01661981	0.01015451	0.00887392	0.00896994	0.00674012	0.00772101	0.00746383	0.01071009	0.0059774	0.00729279	0.0083722
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0.01001844	0.01392536	0.01361701	0.01033741	0.0103155	0.01067793	0.01334647	0.0113801	0.01091279	0.01089829	0.01037523	0.00895602	0.00906185	0.01590751	0.01718329	0.01024489	0.00918108	0.00924859	0.00691301	0.00770217	0.00746671	0.01075457	0.00614707	0.00736906	0.0083529
0.01000789	0.01393676	0.0136253	0.01032748	0.01030405	0.01065887	0.01333566	0.01140461	0.01093652	0.01092393	0.01040527	0.00905664	0.00914588	0.01614638	0.01746999	0.01028621	0.00932461	0.00937838	0.00698901	0.00769337	0.00746818	0.01077601	0.00622593	0.00740908	0.00834357
0.01000789	0.01394813	0.01364031	0.01041218	0.01039435	0.01063906	0.01332454	0.01143176	0.01095991	0.01094527	0.0104864	0.00915287	0.00922984	0.01637278	0.01767007	0.01032516	0.00946171	0.00950607	0.00705888	0.00768495	0.00746961	0.0107964	0.006304	0.00744168	0.00833447
0.01001383	0.0139595	0.01365134	0.01044953	0.01042466	0.01061998	0.01331371	0.01145708	0.01098301	0.0109683	0.01053751	0.00924438	0.0093078	0.01658717	0.01790483	0.01036188	0.00959249	0.00962691	0.0071232	0.00767689	0.00747097	0.01081788	0.00637753	0.00747666	0.00832556
0.01002031	0.01397086	0.0136647	0.01048688	0.01047284	0.01060113	0.01330297	0.01148207	0.0110058	0.01099104	0.01058587	0.00933149	0.00938375	0.01679	0.01809065	0.01039652	0.00971716	0.00974268	0.00718244	0.00776919	0.00747228	0.0108374	0.00644929	0.00751078	0.00831687
0.01001186	0.01398221	0.01367667	0.0105242	0.01050776	0.01058252	0.01329232	0.01150672	0.01102829	0.01101348	0.01063163	0.00941438	0.00945535	0.01698175	0.01829637	0.01042919	0.0098359	0.00985346	0.00723706	0.00776182	0.00747354	0.01085598	0.00651768	0.00754405	0.00830837
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0.01002274	0.01400489	0.01370173	0.01059981	0.01059015	0.01054597	0.01327129	0.01155506	0.01107241	0.01105749	0.01071598	0.00956812	0.00958971	0.01733382	0.01864557	0.0104891	0.01005642	0.01006072	0.00733394	0.00764802	0.00747459	0.01089077	0.00664759	0.00760812	0.00829194
0.01002579	0.01401621	0.01371429	0.01063607	0.01063356	0.01052803	0.0132609	0.01157875	0.01109403	0.01107906	0.01075483	0.0096393	0.00965234	0.01749508	0.01880347	0.01051655	0.0101586	0.01015749	0.00737688	0.00764157	0.00747701	0.01090701	0.0067091	0.00763896	0.00828401
0.01002654	0.01402752	0.01372667	0.01067332	0.0106721	0.01051031	0.0132506	0.01160212	0.01111537	0.01110035	0.01079164	0.00970689	0.00971191	0.0176471	0.01895524	0.01054246	0.01025565	0.01024988	0.00741657	0.00763544	0.00747807	0.01092253	0.00676827	0.00766901	0.00827626
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0.01003015	0.01405012	0.01375154	0.01074777	0.01075374	0.0104755	0.01323026	0.01164792	0.0111572	0.0111421	0.01085956	0.00983194	0.00982294	0.01792517	0.01922881	0.01059003	0.01043523	0.01042218	0.00748717	0.00762385	0.00748007	0.01095153	0.00688058	0.00772685	0.00826127
0.01003223	0.0140614	0.01376396	0.01078497	0.01079536	0.01045842	0.01322021	0.01167036	0.0111777	0.01116257	0.01089089	0.00988969	0.00987455	0.01805209	0.0193529	0.01061184	0.01051814	0.01050239	0.00751856	0.00761844	0.00748101	0.01096507	0.00693384	0.00775466	0.00825404
0.01003365	0.01407267	0.01377635	0.01082214	0.01083518	0.01044154	0.01321025	0.01169925	0.01119703	0.01118276	0.01092058	0.00994445	0.00992369	0.01817147	0.01946986	0.01063244	0.01059673	0.01057888	0.00754176	0.00761327	0.00748191	0.0109178	0.00698525	0.00778176	0.00824696
0.01003554	0.01408394	0.01378874	0.01085929	0.01087637	0.01042487	0.01320036	0.01171434	0.0112179	0.01120268	0.01094873	0.00999636	0.00997049	0.01828373	0.01957914	0.0106519	0.0106712	0.01065165	0.00757449	0.00760832	0.00748277	0.01099036	0.00703493	0.00780816	0.00824005
0.01003708	0.01409519	0.01380112	0.01089642	0.01091647	0.01040839	0.01319056	0.01173589	0.01123759	0.01122235	0.01097543	0.01004555	0.01001502	0.01838923	0.0196818	0.01067028	0.01074172	0.01072101	0.00759939	0.0076035	0.00748436	0.01100216	0.00708293	0.00783388	0.00823329
0.01003887	0.01410464	0.0138149	0.01093353	0.01095738	0.01039212	0.01318085	0.01175714	0.01125703	0.01124175	0.01100075	0.01009215	0.01005741	0.01848834	0.01977781	0.01068765	0.01080848	0.01078703	0.00762245	0.00759906	0.00748439	0.0110134	0.00713243	0.00785892	0.00822668
0.01004047	0.01411767	0.01382584	0.01097062	0.01099762	0.01037604	0.01317121	0.01177811	0.0112762	0.01126089	0.01102477	0.01013629	0.01009774	0.01858143	0.01986783	0.01070406	0.01087165	0.01084986	0.00764382	0.00759472	0.00748515	0.0110242	0.00717419	0.00788332	0.00822023
0.0100422	0.01412789	0.01383819	0.01100768	0.01103835	0.01036031	0.01316161	0.01179878	0.0112951	0.01127978	0.01104757	0.01017807	0.01013361	0.01868681	0.01995705	0.01071956	0.01089204	0.01086362	0.00765057	0.00758788	0.00748588	0.01103448	0.00721758	0.00790872	0.00821392
0.01004382	0.01414011	0.01385052	0.01104472	0.01107867	0.01034446	0.01315217	0.01181918	0.01131378	0.01129841	0.01106916	0.01021763	0.01017258	0.01875083	0.0200309	0.01073422	0.01098793	0.01096649	0.00766197	0.00758666	0.00748658	0.0110443	0.00723954	0.00793302	0.00820775
0.01004551	0.01415132	0.01386285	0.01108173	0.01111927	0.01032895	0.01314276	0.0118393	0.01133219	0.01131679	0.01108967	0.01025507	0.01020727	0.01882778	0.02010466	0.01074806	0.01104136	0.01102054	0.00769898	0.0075828	0.00748725	0.01105368	0.00730015	0.00795272	0.00820172
0.01004715	0.01416251	0.01387516	0.01111872	0.01115961	0.01031363	0.01313344	0.01185914	0.01135035	0.01133493	0.01110913	0.01029049	0.01024025	0.01889996	0.02017367	0.01076115	0.01109185	0.01107192	0.00771476	0.00757917	0.00748479	0.01106264	0.00733945	0.00797464	0.00819582
0.01004881	0.0141737	0.01388747	0.01115569	0.01120012	0.01029849	0.01312419	0.01187871	0.01136827	0.01135283	0.0111276	0.01032	0.01027116	0.01896765	0.02023	0.01077353	0.01113956	0.01112074	0.00772939	0.00757569	0.00748851	0.01107119	0.00737748	0.00799599	0.00819006
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0.01005372	0.0142072	0.01392432	0.01126643	0.0113212	0.01025415	0.01309689	0.01193582	0.01142058	0.01140508	0.01117756	0.0104414	0.01035659	0.01914631	0.02040767	0.01080673	0.01126735	0.01125302	0.00776722	0.00756612	0.00749022	0.0110946	0.00748451	0.00800665	0.00817354
0.01005536	0.01421835	0.01393658	0.01130329	0.01136155	0.01023972	0.01308794	0.01195433	0.01143755	0.01142203	0.01119256	0.01044079	0.01038214	0.01919853	0.02045692	0.01081661	0.01130527	0.01129275	0.00777806	0.0075632	0.00749074	0.01110171	0.00751796	0.00807582	0.00816828
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0.01012238	0.01469901	0.01446539	0.01289184	0.01310352	0.0097471	0.01275584	0.01255563	0.01199133	0.01197605	0.01144712	0.01085812	0.01080949	0.01991761	0.02111367	0.01097427	0.01188001	0.01194747	0.00791333	0.00750739	0.00750101	0.01123176	0.00831855	0.00855427	0.0080229
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0.0102353	0.01563132	0.01549094	0.01587929	0.0163879	0.00925779	0.01235433	0.01304184	0.01244651	0.01243337	0.0114772	0.01089253	0.01085414	0.01995629	0.02114534	0.01098933	0.01192335	0.01201132	0.00791883	0.00749794	0.0075029	0.01125054	0.00861384	0.0087275	0.00794707
0.01023637	0.0156411	0.01550169	0.0159094	0.01642098	0.00925469	0.0123513	0.0130443	0.01244886	0.01243574	0.01147722	0.01089254	0.01085416	0.0199563	0.02114534	0.01098934	0.01192336	0.01201134	0.00791883	0.00749794	0.0075029	0.01125055	0.00861455	0.00872787	0.00794681
0.01023744	0.01565086	0.01551243	0.01593945	0.01645399	0.00925162	0.01234829	0.01304673	0.01245117	0.01243806	0.01147723	0.01089255	0.01085417	0.0199563	0.02114534	0.01098934	0.01192336	0.01201136	0.00791883	0.00749793	0.00750291	0.01125056	0.00861524	0.00872823	0.00794656
0.0102385	0.01566062	0.01552316	0.01596943	0.01648693	0.00924858	0.01234531	0.01304912	0.01245344	0.01244036	0.01147724	0.01089256	0.01085419	0.01995631	0.02114535	0.01098935	0.01192337	0.01201138	0.00791883	0.00749792	0.00750291	0.01125057	0.00861591	0.00872858	0.00794631
0.01023957	0.01567037	0.01553387	0.01599935	0.0165198	0.00924558	0.01234235	0.01305147	0.01245568	0.01244262	0.01147726	0.01089257	0.0108542	0.01995631	0.02114535	0.01098935	0.01192338	0.0120114	0.00791884	0.00749791	0.00750291	0.01125058	0.00861657	0.00872892	0.00794607
0.01024063	0.01568011	0.01554458	0.01602921	0.0165526	0.00924261	0.01233941	0.01305379	0.01245789	0.01244485	0.01147727	0.01089257	0.01085422	0.01995631	0.02114535	0.01098935	0.01192339	0.01201142	0.00791884	0.00749791	0.00750291	0.01125059	0.0086172	0.00872925	0.00794584
0.01024168	0.01568983	0.01555527	0.016059	0.01658532	0.00923967	0.0123365	0.01305607	0.01246007	0.01244704	0.01147728	0.01089258	0.01085423	0.01995632	0.02114535	0.01098936	0.0119234	0.01201143	0.00791884	0.0074979	0.00750291	0.0112506	0.00861782	0.00872957	0.00794561
0.01024274	0.01569955	0.01556596	0.01608873	0.01661797	0.00923676	0.01233361	0.01305832	0.01246221	0.0124492	0.01147729	0.01089259	0.01085424	0.01995632	0.02114536	0.01098936	0.0119234	0.01201145	0.00791884	0.0074979	0.00750291	0.01125061	0.00861843	0.00872988	0.00794538
0.01024378	0.01570926	0.01557663	0.01611839	0.01665055	0.00923388	0.01233074	0.01306053	0.01246432	0.01245133	0.0114773	0.01089259	0.01085426	0.01995632	0.02114536	0.01098937	0.01192341	0.01201146	0.00791884	0.00749789	0.00750291	0.01125062	0.00861901	0.00873018	0.00794516
0.01024483	0.01571896	0.01558729	0.01614799	0.01668306	0.00923104	0.0123279	0.01306271	0.0124664	0.01245343	0.01147731	0.0108926	0.01085427	0.01995633	0.02114536	0.01098937	0.01192341	0.01201148	0.00791884	0.00749788	0.00750292	0.01125063	0.00861959	0.00873047	0.00794495
0.01024587	0.01572864	0.01559794	0.01617753	0.0167155	0.00922822	0.01232507	0.01306486	0.01246844	0.0124555	0.01147732	0.0108926	0.01085428	0.01995633	0.02114536	0.01098937	0.01192342	0.01201149	0.00791884	0.00749788	0.00750292	0.01125064	0.00862014	0.00873075	0.00794474
0.01024691	0.01573832	0.01560857	0.016207	0.01674786	0.00922544	0.01232227	0.01306697	0.01247046	0.01245753	0.01147733	0.01089261	0.01085429	0.01995633	0.02114536	0.01098938	0.01192343	0.0120115	0.00791884	0.00749787	0.00750292	0.01125064	0.00862068	0.00873103	0.00794453
0.01024795	0.01574799	0.0156192	0.0162364	0.01678015	0.00922268	0.01231949	0.01306905	0.01247245	0.01245954	0.01147734	0.01089261	0.0108543	0.01995634	0.02114537	0.01098938	0.01192343	0.01201152	0.00791884	0.00749787	0.00750292	0.01125065	0.00862121	0.0087313	0.00794433
0.01024898	0.01575764	0.01562981	0.01626574	0.01681237	0.00921996	0.01231673	0.0130711	0.01247441	0.01246152	0.01147735	0.01089262	0.01085431	0.01995634	0.02114537	0.01098938	0.01192344	0.01201153	0.00791884	0.00749786	0.00750292	0.01125066	0.00862172	0.00873156	0.00794413

SETRe11eedf	SETRe11norf	SETRe12norf	SETRe11sedf	SETRe12sedf	SETUTe11eedf	SETUTe11stdf	SETUTe11stdf	SETUTe11norf	SETUTe12norf	SETRe11eedf	SETRs12norF	SETRe11norF	SETRe12norf	SETRe12norf	SEMOe11sedf	SEMOe12sedf	SEMOe11stdf	SEMOe11norf	SEOGe11sedf	SEOGe12sedf	SEOGe11stdf	SEOGe11norf	SEOGe12norf	SEOGe21norf
0.00869811	0.00783187	0.00667332	0.0071115	0.00694914	0.00592827	0.01063107	0.00703304	0.00678225	0.00629647	0.00542054	0.00606851	0.00609755	0.00562091	0.00931639	0.00741576	0.0154025	0.00898431	0.00970423	0.0100983	0.01902546	0.00893746	0.00946308	0.01173954
0.00871149	0.00791586	0.00874122	0.00710227	0.0067818	0.00653531	0.01065722	0.00842634	0.00684273	0.00670157	0.00631683	0.00535939	0.0061186	0.00578913	0.0054756	0.00929305	0.01048844	0.01539772	0.00900801	0.00970203	0.00861277	0.01903009	0.00898687	0.00826588	0.00909357
0.00872424	0.00799898	0.00741325	0.00712882	0.00690129	0.00667342	0.01068275	0.00880632	0.00689117	0.00683994	0.00633643	0.00552356	0.00616782	0.00609193	0.0057079	0.00927022	0.00794785	0.01539306	0.0090376	0.00969985	0.00976855	0.01903468	0.00903608	0.00930764	0.00913187
0.00873641	0.00808122	0.00748476	0.00713714	0.00685747	0.00674406	0.0107077	0.00904765	0.00693874	0.00683697	0.00635528	0.0055144	0.00621558	0.00598544	0.00566982	0.0092479	0.00985564	0.01538849	0.0090545	0.00969769	0.00884693	0.01903924	0.00908509	0.00855047	0.00917003
0.00874801	0.00816258	0.00788406	0.00714525	0.006906	0.00678927	0.01073205	0.00922088	0.00698546	0.00692298	0.00637343	0.00562919	0.00626249	0.00615119	0.00581375	0.00922608	0.0082864	0.01538402	0.0090773	0.00969554	0.00956972	0.01904378	0.0091339	0.00924543	0.00920804
0.00875908	0.00824304	0.0084474	0.00715315	0.00690147	0.00682466	0.01075582	0.00935945	0.00703133	0.0069507	0.00639088	0.00564671	0.00630836	0.0061333	0.00582463	0.00920473	0.00946772	0.01537964	0.00909981	0.00969342	0.00899717	0.01904828	0.00918249	0.00877236	0.00924592
0.00876963	0.0083226	0.0082083	0.00716084	0.00692653	0.00685609	0.01077903	0.00947966	0.00707636	0.00701425	0.00640767	0.00573222	0.00635322	0.00623628	0.00592286	0.00918386	0.00849278	0.01537536	0.00912203	0.00969131	0.00944903	0.01905275	0.00923088	0.00924132	0.00928366
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0.00892448	0.01006932	0.01020105	0.00730355	0.00718616	0.00750107	0.01121982	0.01155084	0.00798348	0.00801071	0.00667498	0.00658034	0.00720929	0.00725994	0.00680092	0.00877446	0.00856556	0.01529103	0.00960719	0.00964263	0.00928399	0.01915868	0.01041183	0.01029832	0.01021325
0.00892747	0.01012438	0.01025439	0.0073073	0.00719308	0.00752198	0.01123173	0.01164278	0.00800952	0.00803976	0.0066807	0.006599	0.00723222	0.00728806	0.00681878	0.00876284	0.00855768	0.01528864	0.00962265	0.00964097	0.00928446	0.01916239	0.01045417	0.01034282	0.01024697
0.00893032	0.0101786	0.01030651	0.00731096	0.00719981	0.00754265	0.01124334	0.01170368	0.00803499	0.00806821	0.00668618	0.00661698	0.00725455	0.00731544	0.00683591	0.00875147	0.0085478	0.0152863	0.00963789	0.00963933	0.00928629	0.01916606	0.01049627	0.01038934	0.01028053
0.00893305	0.01023197	0.01035749	0.00731452	0.00720637	0.00756308	0.01125466	0.01176356	0.00805991	0.00809606	0.00669145	0.00663429	0.00727628	0.00734211	0.00685233	0.00874034	0.00853923	0.015284	0.00965292	0.0096377	0.00928703	0.01916972	0.01053814	0.01043392	0.01031394
0.00893565	0.0102845	0.01040473	0.00731774	0.00721274	0.00758318	0.01126572	0.01182246	0.00808843	0.00812383	0.00669598	0.00665298	0.00729745	0.00736807	0.00686806	0.00872943	0.00852865	0.01528176	0.00966774	0.00963608	0.00928861	0.01917334	0.01057978	0.01047472	0.01034472
0.00893813	0.0103621	0.0104	0.00732135	0.00721895	0.00760323	0.01127647	0.01188038	0.00810815	0.00815002	0.00670137	0.00666704	0.00731805	0.00739335	0.00688315	0.00871876	0.00852167	0.01527956	0.00968236	0.00963448	0.00928951	0.01917695	0.01062118	0.01052424	0.01038031
0.0089405	0.0103871	0.01050358	0.00732463	0.00722499	0.00762295	0.01128696	0.01193735	0.00813149	0.00817614	0.00670603	0.00668253	0.00733811	0.00741796	0.00689761	0.00870831	0.00851279	0.01527741	0.00969678	0.0096329	0.00929093	0.01918052	0.01066235	0.01056948	0.01041326
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0.00894493	0.01048644	0.01059549	0.00733094	0.00723658	0.00766173	0.01130717	0.01204853	0.00817664	0.00822672	0.0067148	0.00671182	0.00737663	0.00746522	0.00692477	0.00868806	0.0084967	0.01527324	0.00972501	0.00962976	0.00929323	0.0191876	0.01074398	0.01065855	0.0104787
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0.00894896	0.01058259	0.01068832	0.00733691	0.00724756	0.00769963	0.01132638	0.01215617	0.00821982	0.00827156	0.00672288	0.00673903	0.00741311	0.00750998	0.00694975	0.00866865	0.00848104	0.01526925	0.00975247	0.00962669	0.00929551	0.01919458	0.01082466	0.01074692	0.01054353
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0.00897622	0.01148175	0.01143749	0.00738672	0.00733863	0.00807951	0.0114892	0.0131812	0.0085978	0.00870161	0.00678061	0.00694335	0.00771478	0.00787963	0.00712757	0.00849512	0.00834334	0.01523379	0.01001806	0.00959495	0.00931938	0.01926822	0.01168509	0.01171012	0.01124477
0.00897687	0.01151314	0.01146146	0.00738826	0.00734145	0.00809395	0.01149433	0.01321827	0.0086101	0.00871556	0.00678209	0.00694896	0.00772397	0.00789086	0.00713213	0.00848929	0.00833877	0.01523261	0.01002774	0.00959371	0.00932032	0.01927116	0.01171971	0.01174973	0.01127342
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0.00899054	0.01290749	0.012298	0.00744076	0.00743495	0.00901267	0.0116759	3 0.01527493	0.00907303	0.00924718	0.00681655	0.00710122	0.00802049	0.0082488	0.00724131	0.00824027	0.00815067	0.01518388	0.01053761	0.00950948	0.0093856	0.01948711	0.0142271	0.01486255	0.01350035
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0.00899055	0.01291521	0.01230078	0.00744094	0.00743524	0.00902271	0.0116765	8 0.01529363	0.00907489	0.00924937	0.00681658	0.0071015	0.00802132	0.00824977	0.00724144	0.0082389	0.00814971	0.01518363	0.0105416	0.00950849	0.00938638	0.0194899	0.01425778	0.01490475	0.01353044
0.00899055	0.01291895	0.01230212	0.00744102	0.00743538	0.00902766	0.0116768	9 0.0153028	0.00907579	0.00925043	0.0068166	0.00710163	0.00802171	0.00825023	0.0072415	0.00823823	0.00814924	0.01518351	0.01054355	0.009508	0.00938677	0.01949128	0.01427293	0.01492563	0.01354533
0.00899056	0.01292262	0.01230342	0.0074411	0.00743552	0.00903256	0.0116772	0.01531186	0.00907667	0.00925146	0.00681662	0.00710176	0.0080221	0.00825067	0.00724156	0.00823757	0.00814878	0.01518339	0.01054548	0.00950752	0.00938715	0.01949265	0.01428794	0.01494637	0.01356012
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0.00899057	0.01292973	0.01230591	0.00744126	0.00743578	0.00904223	0.0116777	9 0.01532966	0.00907836	0.00925344	0.00681665	0.007102	0.00802284	0.00825153	0.00724167	0.0082363	0.0081479	0.01518316	0.01054923	0.00950657	0.00938791	0.01949536	0.01431759	0.01498743	0.0135894
0.00899057	0.01293317	0.01230711	0.00744133	0.00743591	0.00904699	0.0116780	7 0.0153384	0.00907918	0.0092544	0.00681666	0.00710212	0.00802319	0.00825194	0.00724173	0.00823568	0.00814747	0.01518305	0.01055107	0.0095061	0.00938829	0.0194967	0.01433223	0.01500775	0.0136039
0.00899057	0.01293655	0.01230827	0.0074414	0.00743603	0.00905171	0.0116783	5 0.01534703	0.00907997	0.00925533	0.00681668	0.00710223	0.00802353	0.00825233	0.00724178	0.00823508	0.00814705	0.01518295	0.01055287	0.00950563	0.00938866	0.01949803	0.01434674	0.01502793	0.0136183
0.00899058	0.01293986	0.0123094	0.00744148	0.00743615	0.00905639	0.0116786	1 0.01535555	0.00908075	0.00925625	0.00681669	0.00710234	0.00802386	0.00825272	0.00724183	0.00823448	0.00814664	0.01518284	0.01055465	0.00950517	0.00938903	0.01949936	0.01436113	0.01504798	0.01363259
0.00899058	0.01294309	0.0123105	0.00744154	0.00743626	0.00906102	0.0116788	8 0.01536397	0.0090815	0.00925714	0.0068167	0.00710244	0.00802418	0.00825309	0.00724187	0.0082339	0.00814623	0.01518274	0.01055641	0.00950472	0.00938939	0.01950067	0.0143754	0.01506788	0.0136468

SEOEe11qedf	SEOEe12qedf	SEOEe11stdf	SEOEe11norf	SEOEe12norf	SEAls11qedf	SEAle11qedf	SEAle12qedf	SEAle11stdf	SEAls11norf	SEAle12norf	SEAle11norf	SEAlc12norf	SESEe12qedf	SESe21qedf	SESEe11stdf	SESEe12stdf	SESe11norf	SESe22norf	SESEe12norf	SESe21norf	SESEq11norf	SESEq12norf	SERe11qedf
0.01194764	0.01199581	0.01766714	0.0117085	0.01182235	0.01126611	0.01194419	0.01141085	0.01466812	0.01115542	0.01083899	0.01124094	0.01055024	0.00405859	0.0038728	0.00345364	0.00502994	0.00479014	0.00416913	0.00372668	0.00399105	0.00371465	0.00457444	0.00441388	0.00665393
0.0119443	0.01178909	0.0176756	0.01175091	0.01172789	0.01135498	0.01197314	0.01192764	0.01471679	0.01126658	0.0114324	0.01136161	0.011544	0.00415573	0.00414737	0.0041513	0.00515703	0.0051462	0.00429127	0.00429835	0.00426902	0.00428388	0.00471536	0.00469825	0.00667666
0.01194098	0.01194878	0.01768406	0.0117932	0.01184807	0.01143837	0.01200078	0.01171983	0.01476263	0.01137069	0.01132041	0.01147872	0.01159039	0.00425027	0.00411353	0.00420945	0.00528156	0.00511602	0.00441086	0.00434543	0.0042737	0.00435573	0.00484652	0.00473455	0.00669888
0.01193768	0.0118129	0.01769252	0.01183536	0.01186244	0.01151666	0.01202717	0.01187947	0.0148058	0.01146826	0.01153228	0.01159234	0.01163116	0.00434219	0.00428178	0.00426671	0.00540345	0.00534048	0.00452764	0.00441997	0.00445947	0.00442687	0.0049689	0.0049101	0.00672061
0.01193439	0.01192254	0.01770097	0.0118774	0.01192871	0.0115902	0.01205236	0.01185017	0.01484645	0.01155976	0.01157765	0.01170253	0.01166706	0.00443145	0.00431223	0.00432306	0.00552265	0.00539106	0.0046417	0.00449229	0.00452003	0.00449728	0.00508338	0.00498762	0.00674185
0.01193111	0.01185334	0.01770941	0.01191931	0.01196917	0.01165932	0.01207641	0.01191451	0.01488472	0.01164561	0.01169268	0.01180935	0.01169875	0.00451806	0.00434036	0.0043785	0.00563909	0.00555339	0.00475289	0.00456387	0.00466112	0.00456692	0.00519067	0.00511488	0.00676262
0.01192784	0.01190833	0.01771784	0.01196108	0.0120221	0.01172429	0.01209936	0.0119289	0.01492074	0.01172621	0.01176497	0.01191287	0.01172679	0.00460199	0.00448687	0.00443303	0.00575273	0.00563691	0.00486117	0.00463461	0.00474437	0.00463579	0.00529141	0.00520136	0.00678292
0.01192459	0.01186856	0.01772637	0.01200373	0.01206862	0.01178554	0.01212126	0.01199664	0.01495465	0.01180592	0.01184938	0.01201315	0.01175167	0.00468327	0.00458055	0.00448664	0.00586355	0.00576841	0.0049665	0.00470045	0.00486253	0.00470387	0.00538614	0.005304	0.00680276
0.01192135	0.0119011	0.01773447	0.01204425	0.01211804	0.01184289	0.01214216	0.01198998	0.01498655	0.01187305	0.0119197	0.01211026	0.01177381	0.00476191	0.00464572	0.00453932	0.00597151	0.00586348	0.00506884	0.00477352	0.00495333	0.00477113	0.00547535	0.00538815	0.00682215
0.01191813	0.01187845	0.01774312	0.01208564	0.01216578	0.011897	0.01216211	0.01201855	0.01501656	0.01193992	0.01198941	0.01220428	0.01179358	0.00483792	0.00472601	0.00459108	0.00607661	0.00597819	0.00516818	0.00484165	0.0050584	0.00483757	0.00555947	0.00547599	0.00684109
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0.01190852	0.01189706	0.01776833	0.01220901	0.0123096	0.01204107	0.01221661	0.01208951	0.01509633	0.01211764	0.01216832	0.01246844	0.01184154	0.00505057	0.00492926	0.0047408	0.00637474	0.00627428	0.00544821	0.00504058	0.00533522	0.00503179	0.00578484	0.00570346	0.00689538
0.01190535	0.01189017	0.01777673	0.01224988	0.01233571	0.01208363	0.01223313	0.01211127	0.01511982	0.01217074	0.01222056	0.01255077	0.01185454	0.00511645	0.00499515	0.00478887	0.00646842	0.0063707	0.00553566	0.00510503	0.00542502	0.0050948	0.00585052	0.00577288	0.00691265
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0.01189904	0.0118904	0.01779305	0.0123312	0.01245163	0.01216154	0.01226392	0.01215132	0.01516268	0.01226586	0.012315	0.01270727	0.01187716	0.00524098	0.00511765	0.00488224	0.00664739	0.00655153	0.00570162	0.00523109	0.00559421	0.00521816	0.00597593	0.00590089	0.00694601
0.0118959	0.01189883	0.01780187	0.01237166	0.01249862	0.01219718	0.01227825	0.01216987	0.01518221	0.01230964	0.01235772	0.01278159	0.01188706	0.00529974	0.00517557	0.00492757	0.00673274	0.0066376	0.00578033	0.00529268	0.00567487	0.0052785	0.00603314	0.00596035	0.00696211
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0.01188967	0.01190054	0.01781861	0.01245218	0.01259205	0.01226246	0.01230496	0.0122043	0.01521782	0.01238978	0.01243517	0.01292272	0.01190463	0.00541054	0.00528624	0.00501552	0.00689536	0.0068029	0.0059294	0.00541297	0.0058298	0.00539648	0.00613899	0.00607142	0.00699319
0.01188657	0.01190012	0.01782696	0.01249224	0.01263585	0.01229235	0.01231739	0.01222024	0.01523405	0.01242643	0.01247024	0.01298967	0.01191248	0.00546269	0.00533873	0.00505815	0.00697271	0.00688175	0.00599886	0.00547167	0.00590375	0.00545411	0.00618798	0.00612322	0.00700819
0.0118834	0.0119025	0.01783531	0.01253216	0.01268476	0.01232054	0.01232924	0.01223539	0.01524929	0.01246098	0.01250308	0.01305429	0.01191982	0.00551276	0.00538915	0.00509991	0.0070475	0.00695783	0.00606768	0.00552939	0.00597517	0.00551083	0.00623454	0.00617265	0.00702284
0.01188041	0.01190273	0.01784366	0.01257194	0.01273085	0.01234714	0.01234054	0.01224978	0.01526362	0.01249357	0.01253385	0.01311667	0.0119267	0.00556081	0.00543786	0.0051408	0.00711976	0.00703157	0.00613294	0.00558614	0.00604441	0.00556664	0.00627883	0.00621991	0.00703715
0.01187735	0.011904	0.01787852	0.01261159	0.01277674	0.01237223	0.01235132	0.01226345	0.01527708	0.0125243	0.01256269	0.01317686	0.01193319	0.00560689	0.00548469	0.00518082	0.00718955	0.00710277	0.00619568	0.0056493	0.0061113	0.00562154	0.00632095	0.00626507	0.00705112
0.0118743	0.0119052	0.01786033	0.0126511	0.01282246	0.01239592	0.01236159	0.01227645	0.01528974	0.01255329	0.0125897	0.01323493	0.01193934	0.00565108	0.00552984	0.00521998	0.00725694	0.00717165	0.00625598	0.00569674	0.00617602	0.00567554	0.00636105	0.00630827	0.00706476
0.01187127	0.01190676	0.01786866	0.01269048	0.01286799	0.01241827	0.01237138	0.01228879	0.01530163	0.01261603	0.01265911	0.01328095	0.01194518	0.00569343	0.00557236	0.00525331	0.00732196	0.00723824	0.0063139	0.00574065	0.00623853	0.00572862	0.00639052	0.00633959	0.00707807
0.01186825	0.01190758	0.01787698	0.01272972	0.01291333	0.01249837	0.01238072	0.01230052	0.0153128	0.01266044	0.01263876	0.01334498	0.01195076	0.005734	0.00561506	0.00529858	0.00738469	0.00730238	0.00636852	0.00580348	0.00628983	0.00578057	0.00643913	0.00638093	0.00707908
0.01186523	0.01190895	0.01788529	0.01276882	0.01295849	0.01245928	0.01238962	0.01231166	0.0153233	0.01263079	0.01266102	0.01339708	0.0119561	0.00577285	0.00565525	0.00533246	0.00744518	0.00736436	0.00642289	0.00585541	0.00635723	0.00583208	0.0064702	0.00642699	0.00710377
0.01186223	0.01190989	0.01789436	0.01280778	0.01300347	0.01247809	0.0123981	0.01232224	0.01533316	0.01265377	0.01268188	0.01344731	0.01196124	0.00581005	0.0056939	0.00536831	0.00750348	0.00742418	0.0064741	0.00590638	0.00641351	0.00588247	0.00650321	0.00646324	0.00711616
0.01185925	0.01191114	0.01790919	0.01284661	0.01304825	0.01249584	0.01240619	0.01233229	0.01534243	0.01267546	0.01270145	0.01349574	0.0119662	0.00584566	0.00573104	0.00540336	0.00755966	0.00748188	0.0065232	0.00595641	0.00646779	0.00593195	0.00653466	0.00649796	0.00712826
0.01185627	0.01191215	0.01791902	0.01288553	0.01309285	0.01251261	0.01241139	0.01234184	0.01535113	0.01269594	0.01272198	0.01354241	0.011971	0.00587972	0.00576674	0.00543762	0.00761378	0.00753751	0.00657027	0.00600055	0.00652014	0.00598055	0.00656465	0.00653122	0.00714007
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0.01183867	0.01191872	0.01795985	0.0131145	0.01335652	0.01259534	0.01245313	0.01238983	0.01539334	0.01279691	0.01280833	0.01378882	0.01199735	0.00605491	0.00595297	0.00562725	0.00789844	0.0078311	0.00681377	0.00628069	0.00679646	0.00625386	0.00671775	0.00670381	0.00720521
0.01183578	0.01191981	0.01796811	0.01315221	0.01339981	0.01260634	0.01245896	0.01239648	0.01539896	0.01281061	0.01282478	0.01382477	0.01200144	0.00607973	0.00597977	0.00566632	0.00793974	0.00785885	0.00684846	0.00632341	0.00683668	0.00629643	0.00675992	0.00674882	0.00721518
0.0118329	0.01192085	0.01797635	0.01318978	0.01344291	0.0126172	0.01246389	0.0124028	0.01540423	0.01282356	0.01283107	0.01385938	0.01200547	0.00610343	0.00600547	0.00568469	0.00797944	0.00791498	0.00688164	0.0063652	0.00687538	0.00633817	0.00675999	0.0067524	0.0072249
0.01183003	0.01192192	0.0179846	0.01322721	0.01348581	0.01262724	0.01246889	0.01240088	0.01540919	0.01283579	0.0128414	0.01389271	0.01200943	0.00612605	0.00603011	0.00571238	0.00801759	0.00795454	0.00691337	0.00640625	0.0069126	0.00637909	0.00677969	0.00677524	0.00723438
0.01182717	0.01192296	0.01799283	0.0132645	0.01352853	0.01263672	0.01247365	0.01241449	0.01541384	0.01284734	0.0128511	0.01392479	0.01201335	0.00614765	0.00605373	0.0057394	0.00805424	0.00799258	0.00694369	0.00644639	0.00694838	0.00641919	0.00679852	0.00679716	0.00724364
0.01182432	0.01192401	0.01800106	0.01330165	0.01357106	0.01264568	0.01247819	0.01241989	0.01541821	0.01285826	0.01286019	0.01395568	0.01201722	0.00616827	0.00607637	0.00576576	0.00808945	0.00802916	0.00697266	0.00648569	0.00698278	0.0064585	0.00681651	0.00681821	0.00725267
0.01182149	0.01192505	0.01800915	0.01333865	0.0136134	0.01265414	0.01248253	0.01242303	0.01542232	0.01286852	0.01287674	0.01398541	0.01202105	0.00618794	0.00609021	0.00579146	0.00812326	0.00806431	0.00700516	0.00652416	0.00701584	0.00649701	0.00683368	0.00683842	0.00726149
0.01181866	0.01192608	0.01801675	0.01337552	0.01365555	0.01266224	0.01248699	0.01242499	0.01542618	0.01287831	0.01287675	0.01401403	0.01202483	0.006267	0.00611886	0.00581658	0.00815572	0.0080981	0.00702679	0.00656181	0.00704761	0.00653475	0.00685301	0.00685782	0.00727008
0.01181585	0.01192711	0.01802571	0.01341225	0.01369751	0.0126697	0.01249058	0.01243453	0.0154298	0.01288752	0.01288428	0.01404157	0.01202858	0.0062246	0.00613877	0.00584105	0.00818689	0.00813056	0.00705205	0.00659866	0.00707812	0.00657171	0.00686579	0.00687646	0.00727847
0.01181305	0.01192813	0.01803392	0.01344883	0.01373927	0.01267684	0.01249432	0.01243892	0.0154332	0.01289621	0.01289134	0.01406808	0.01203229	0.00624168	0.00615785	0.00586492	0.0082168	0.00816175	0.00707617	0.00663471	0.00710743	0.00660791	0.00688079	0.00689436	0.00728666
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0.01180748	0.01193016	0.01805031	0.01352157	0.01382224	0.01268997	0.01250129	0.01244705	0.01543939	0.0129122	0.01290419	0.01411812	0.01203963	0.00627348	0.00619361	0.00591088	0.00827305	0.00822048	0.00712118	0.00670448	0.00716226	0.00667806	0.00690883	0.00692808	0.00730243
0.01180471	0.01193116	0.01805585	0.01355773	0.01385344	0.01269696	0.01250453	0.01245208	0.01544221	0.01291954	0.01291094	0.01414173	0.01204325	0.00628828	0.00621036	0.0059338	0.00829948	0.00824811	0.00714216	0.00673802	0.00718854	0.00671204	0.00692194	0.00693903	0.00731303
0.01180196	0.01193216	0.01806668	0.01359375	0.01390444	0.01270169	0.01250761	0.01245437	0.01544485	0.01292647	0.01291552	0.01416444	0.01204685	0.00630239	0.00622639	0.00595457	0.00832483	0.00827463	0.00716218	0.00677122	0.00721344	0.0067453	0.00693446	0.00695921	0.00731745
0.01179921	0.01193316	0.01807485	0.01362963	0.01394526	0.01270708	0.01251056	0.01245776	0.01544734	0.01293302	0.01292067	0.01418629	0.01205042	0.00631584	0.00624174	0.00597559	0.00834915	0.0083001	0.00718128	0.00680348	0.00723734	0.00677786	0.00694644	0.00697387	0.00732468
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0.01179375	0.01193513	0.01809118	0.01370095	0.01402632	0.01271698	0.01251603	0.01246403	0.01545186	0.01294507	0.01293004	0.01422753	0.0120575	0.00634088	0.00627049	0.00601603	0.00839482	0.00834799	0.00721689	0.00686585	0.00728226	0.00684089	0.00696886	0.00700151	0.00733861
0.01179104	0.01193611	0.01809934	0.01373364	0.01406657	0.01272153	0.01251857	0.01246692	0.01545392	0.0129506	0.01293431	0.01424697	0.012061	0.00635252	0.00628394	0.00603548	0.00841626	0.0083705	0.00723347	0.00689599	0.00730336	0.00687138	0.00697934	0.00701453	0.00734533
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0.01178565	0.01193805	0.01811564	0.01380688	0.01414648	0.01272989	0.0125233	0.01247229	0.01545766	0.01296077	0.01294206	0.01428366	0.01206795	0.00637418	0.00630912	0.00607289	0.0084565	0.00841281	0.00726437	0.00695421	0.00734301	0.0069304	0.00699895	0.00703907	0.00735826
0.01178297	0.01193901	0.01812377	0.0138419	0.01418616	0.01273373	0.01252255	0.01247476	0.01545937	0.01296545	0.01294559	0.01430096	0.01207139	0.00638424	0.0063209	0.00609088	0.00847538	0.00843268	0.00727874	0.00698233	0.00736162	0.00695894	0.00700812	0.00705604	0.00736449
0.0117803	0.01193996	0.01813191	0.01387679	0.01422564	0.01273736	0.01252576	0.01247712	0.01546097	0.01296986	0.0129489	0.01431759	0.01207481	0.00639383	0.00633217	0.0061084	0.00849348	0.00845175	0.00729245	0.0070098	0.00737947	0.00696885	0.00701619	0.00706176	0.00737056
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0.01173902	0.01195457	0.0182612	0.01441561	0.01483159	0.01277461	0.01255038	0.01250199	0.01547659	0.01301514	0.01298127	0.01451118	0.01212724	0.00649763	0.00645798	0.00633339	0.0086983	0.00866889	0.00744172	0.00737067	0.00758211	0.00735654	0.0071155	0.0071917	0.00744962
0.01173652	0.01195544	0.01826923	0.01444809	0.01486786	0.012776	0.0125513	0.01250295	0.01547714	0.01301684	0.0129824	0.01451968	0.01213039	0.00650179	0.00646323	0.00634446	0.00870698	0.00867816	0.00744774	0.00738889	0.00759072	0.00737537	0.00711966	0.00719745	0.00745358
0.01173404	0.01195631	0.01827725	0.01448042	0.01490394	0.01277733	0.01255217	0.01250387	0.01547766	0.01301844	0.01298347	0.01452785	0.01213351	0.00650575	0.00646824	0.00635524	0.00871528	0.00868704	0.00745348	0.00740665	0.00759897	0.00739376	0.00712365	0.00720299	0.00745744
0.01173157	0.01195717	0.01828527	0.01451261	0.01493984	0.01277903	0.01255301	0.01250475	0.01547814	0.01302006	0.01298567	0.01453597	0.01213663	0.00650952	0.00647302	0.00636525	0.00872323	0.00869575	0.00745884	0.00742398	0.00760686	0.00741171	0.00712747	0.00722882	0.00746121
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0.01172665	0.01195888	0.01830128	0.01457658	0.01501108	0.01278087	0.01255456	0.01250636	0.01547902	0.01302275	0.0129863	0.01455505	0.01214281	0.00651651	0.00648196	0.00638585	0.00873812	0.0087115	0.00746909	0.00745736	0.00762166	0.00744634	0.00713462	0.00721839

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0.01152781	0.0120231	0.01905639	0.01706676	0.01767054	0.01280017	0.01256965	0.01252094	0.01548556	0.01304617	0.01299993	0.01472441	0.01238494	0.00658274	0.00657396	0.00670958	0.00889685	0.0088844	0.00756629	0.00803346	0.00778019	0.00806307	0.00721263	0.00734287	0.00759559
0.01152615	0.01202359	0.0190638	0.01708625	0.01769028	0.01280017	0.01256966	0.01252094	0.01548556	0.01304618	0.01299993	0.01472455	0.01238689	0.00658276	0.00657401	0.00671016	0.00889693	0.00888451	0.00756633	0.00803465	0.00778028	0.00806443	0.00721268	0.00734298	0.00759587
0.0115245	0.01202408	0.0190712	0.01710564	0.0177099	0.01280017	0.01256967	0.01252095	0.01548556	0.01304618	0.01299993	0.01472468	0.01238883	0.00658279	0.00657405	0.00671072	0.00889702	0.0088846	0.00756637	0.00803581	0.00778037	0.00806576	0.00721273	0.0073431	0.00759614
0.01152285	0.01202456	0.0190786	0.01712492	0.01772938	0.01280018	0.01256967	0.01252095	0.01548556	0.01304619	0.01299993	0.0147248	0.01239076	0.00658281	0.00657409	0.00671126	0.0088971	0.0088847	0.0075664	0.00803694	0.00778045	0.00806705	0.00721277	0.00734321	0.00759641
0.01152122	0.01202505	0.01908598	0.0171441	0.01774875	0.01280018	0.01256968	0.01252095	0.01548556	0.01304619	0.01299994	0.01472492	0.01239268	0.00658283	0.00657413	0.00671179	0.00889718	0.00888479	0.00756643	0.00803804	0.00778053	0.00806831	0.00721282	0.00734331	0.00759668
0.01151958	0.01202553	0.01909337	0.01716317	0.01776798	0.01280019	0.01256968	0.01252096	0.01548557	0.0130462	0.01299994	0.01472504	0.0123946	0.00658285	0.00657417	0.00671231	0.00889725	0.00888487	0.00756646	0.0080391	0.00778061	0.00806954	0.00721286	0.00734341	0.00759693

SEEe11stdF	SEEe11stdF	SEEe11norF	SEEe12norF	SEAEe11gedF	SEAEe12gedF	SEAEe11norF	SEAEe12norF	SESOe11gedF	SESOe11stdF	SESOe12stdF	SETEe11gedF	SETEe12gedF	SETEe11stdF	SETEe12stdF	SETEe11norF	SEBEe12gedF	SEBEe11stdF	SEBEe12norF	SEETe11gedF	SEETe12gedF	SEETe11stdF	SEETe12stdF	SEETe11norF
0.00906098	0.0093016	0.0063261	0.00559076	0.01314228	0.01219429	0.01250172	0.01250169	0.00657084	0.00807189	0.00859414	0.00946026	0.00916441	0.01140882	0.01524027	0.01462493	0.00938182	0.00727136	0.01047264	0.0071537	0.00585452	0.00605406	0.00942435	0.00952572	0.00541493
0.00910511	0.00947008	0.00641908	0.00672545	0.01317988	0.01227538	0.0127486	0.012969	0.00662017	0.00814639	0.00786962	0.00948983	0.00926929	0.01160109	0.0152974	0.01471873	0.0094523	0.00739189	0.01048532	0.00727312	0.0058584	0.00535207	0.00945781	0.00845537	0.00547594
0.00914851	0.00965344	0.00651143	0.00617076	0.01321661	0.01235433	0.0129882	0.01314434	0.00666802	0.00821866	0.00830274	0.00951822	0.0092637	0.01179004	0.01535285	0.01478449	0.00951976	0.0073304	0.01049785	0.00725585	0.00587094	0.00579381	0.0094904	0.00914251	0.00553634
0.0091912	0.00979786	0.00660313	0.006646	0.01325249	0.01243119	0.0132205	0.01340512	0.00671442	0.00828874	0.00819882	0.0095455	0.00932018	0.01197582	0.01540667	0.01486175	0.00958431	0.00737491	0.01051022	0.00732162	0.00588317	0.00555053	0.00952214	0.00880458	0.0055961
0.00923318	0.00995747	0.00669416	0.00650518	0.01328755	0.012506	0.01344554	0.01362842	0.00675939	0.00835667	0.00834474	0.00957168	0.00933881	0.01215858	0.01545889	0.0149301	0.00964604	0.0073576	0.01052243	0.00733644	0.00589508	0.00572311	0.00955304	0.00907183	0.00565522
0.00927446	0.0101144	0.0067845	0.00673592	0.01332179	0.0125788	0.01366336	0.01385416	0.00680298	0.00842249	0.00837132	0.00959683	0.00937751	0.01233846	0.01550956	0.01500017	0.00970506	0.00737617	0.01053449	0.0073819	0.00590669	0.00564459	0.00958314	0.00898251	0.0057137
0.00931505	0.01026878	0.00687413	0.00674261	0.01335525	0.01264963	0.01387404	0.01406946	0.00684521	0.00848626	0.00845094	0.00962097	0.0094028	0.01251557	0.01555871	0.01506651	0.00976147	0.00737372	0.01054639	0.0074083	0.005918	0.00571753	0.00961244	0.0091017	0.00577154
0.00935495	0.01042073	0.00696803	0.00688832	0.01338795	0.01271867	0.01407764	0.01427859	0.00688612	0.00854001	0.00850302	0.00964414	0.00943413	0.01269004	0.01560639	0.015132	0.00985147	0.00738838	0.01055851	0.00744593	0.00592902	0.00569844	0.00964097	0.00909669	0.00582871
0.00939418	0.01057094	0.00705118	0.00694218	0.01341199	0.01278553	0.01427427	0.01448208	0.00692574	0.0086078	0.00856527	0.00966638	0.0094603	0.01286198	0.01565264	0.01519522	0.00986886	0.00738586	0.01056975	0.00747633	0.0059375	0.0057344	0.00966875	0.00916312	0.00588523
0.00943274	0.01071772	0.00713857	0.00704908	0.01345112	0.01285068	0.01446404	0.01467509	0.0069641	0.00866566	0.00862013	0.00968772	0.00948783	0.01303148	0.01569749	0.01525697	0.00991604	0.00739239	0.01058121	0.00751074	0.00595021	0.00573652	0.00969578	0.00918593	0.00594108
0.00947064	0.01086295	0.00722157	0.00712597	0.01348163	0.01291402	0.01464706	0.01486299	0.00700124	0.00872166	0.00867586	0.0097082	0.00951301	0.01319863	0.01574099	0.01531689	0.00996299	0.00739644	0.01059253	0.00754233	0.00596039	0.00575851	0.00972209	0.00923281	0.00599627
0.00950789	0.01100612	0.00731098	0.00721966	0.01351146	0.0129756	0.01482347	0.01504416	0.00703718	0.00877583	0.00872866	0.00972786	0.00953805	0.01336353	0.01578317	0.01537523	0.0100078	0.00740181	0.0106037	0.00757525	0.00597031	0.00576792	0.0097477	0.00926398	0.00605079
0.00954449	0.01114732	0.00739598	0.00730199	0.01354061	0.01303544	0.01499341	0.01521872	0.00707196	0.00882821	0.00878037	0.00974672	0.00956171	0.01352626	0.01582406	0.01543191	0.01005057	0.00740628	0.01061472	0.00760696	0.00597998	0.00578438	0.00977263	0.00930286	0.00610464
0.00958046	0.01128661	0.00748015	0.00738986	0.01356931	0.0130936	0.01515702	0.01538682	0.00710561	0.00887887	0.00883018	0.00976481	0.00958475	0.01368689	0.01586371	0.01548704	0.01009137	0.00741116	0.01062661	0.00763903	0.00598939	0.00579605	0.00979688	0.00933572	0.00615781
0.0096158	0.01142407	0.00756349	0.00747309	0.01359695	0.01315011	0.01531446	0.01554861	0.00713816	0.00892784	0.00887854	0.00978216	0.0096068	0.0138455	0.01590214	0.01554061	0.0101303	0.00741569	0.01063636	0.00767049	0.00599856	0.00581007	0.00982047	0.00937066	0.00621031
0.00965052	0.01155975	0.00764599	0.00755778	0.01362418	0.013205	0.01546588	0.01570625	0.00716963	0.00897517	0.0089253	0.00979881	0.00962811	0.01400216	0.0159394	0.01559269	0.0101742	0.00742403	0.01064697	0.00770193	0.00600748	0.00582215	0.00984343	0.00940295	0.00626214
0.00968462	0.01169373	0.00772762	0.00764024	0.0136508	0.01325832	0.01561144	0.0158539	0.00720007	0.0090209	0.00897058	0.00981477	0.00964858	0.01415693	0.01597551	0.0156433	0.01020281	0.00742475	0.01065745	0.007733	0.00601618	0.0058349	0.00986577	0.0094354	0.00631329
0.00971813	0.01182606	0.00780839	0.00772268	0.01367682	0.01331011	0.01575513	0.01599773	0.0072295	0.00906509	0.00901439	0.00983809	0.00966831	0.01430988	0.0160105	0.01569248	0.01023656	0.00742918	0.01066779	0.00776391	0.00602464	0.00584675	0.0098875	0.00946639	0.00636376
0.00975104	0.0119568	0.00788829	0.00780375	0.01370226	0.0133604	0.01588563	0.01613589	0.00725795	0.00910777	0.00905678	0.00984477	0.00968729	0.01446105	0.01604442	0.01574027	0.01026873	0.00743351	0.010678	0.00779454	0.00603289	0.00585865	0.00990863	0.00949691	0.00641356
0.00978337	0.01208599	0.00796731	0.00788424	0.01372714	0.01340923	0.01601459	0.01626856	0.00728516	0.00914898	0.00909778	0.00985886	0.00970557	0.01461052	0.01607729	0.01578767	0.01029938	0.00743779	0.01068808	0.00782495	0.00604091	0.00587005	0.00992919	0.00952641	0.00646268
0.00981511	0.01221369	0.00804544	0.00796367	0.01375146	0.01345663	0.01613835	0.0163959	0.00731202	0.00918878	0.00913744	0.00987236	0.00972316	0.01475832	0.01610913	0.0158318	0.01032859	0.00744199	0.01069803	0.00785511	0.00604873	0.0058829	0.00994919	0.00955524	0.00651113
0.00984629	0.01233994	0.00812267	0.00804231	0.01377525	0.01350265	0.01625707	0.01651808	0.0073377	0.0092272	0.00917579	0.00988531	0.00974009	0.01490451	0.01613999	0.01587562	0.01035643	0.00744613	0.01070786	0.00788504	0.00605634	0.00589217	0.00996863	0.00958322	0.00655891
0.00987691	0.01246479	0.008199	0.00812	0.01379851	0.01354732	0.01637092	0.01663527	0.007363	0.00926428	0.00921287	0.00989772	0.00975638	0.01504914	0.01616988	0.01591818	0.01038294	0.0074502	0.01071755	0.00791473	0.00606375	0.00590283	0.00998755	0.00961049	0.00660602
0.00990697	0.01258827	0.00827444	0.00819682	0.01382125	0.01359067	0.01648006	0.01674763	0.00738646	0.00930007	0.00924871	0.00990963	0.00977206	0.01519225	0.01619884	0.01595951	0.0104082	0.00745421	0.01072712	0.00794418	0.00607097	0.00591319	0.01000594	0.00963699	0.00665246
0.00993648	0.01271044	0.00834896	0.00827271	0.0138435	0.01363274	0.01658463	0.01685533	0.00740961	0.0093346	0.00928104	0.00992154	0.00978814	0.01533388	0.01622369	0.01599965	0.01045225	0.00745816	0.01073657	0.00797234	0.00607799	0.00592331	0.01002353	0.00966279	0.00669854
0.00996546	0.01283132	0.00842257	0.00834771	0.01386525	0.01367356	0.01668485	0.01695853	0.00743196	0.00936792	0.00931685	0.00993197	0.00980165	0.01547408	0.01625408	0.01603863	0.01045516	0.00746203	0.0107459	0.00800238	0.00608483	0.00593316	0.01004122	0.00968788	0.00674335
0.00999391	0.01295096	0.00849527	0.00842178	0.01388653	0.01371317	0.01678081	0.01705738	0.00745355	0.00940007	0.00934921	0.00994246	0.00981562	0.01561288	0.0162804	0.01607647	0.01047697	0.00746585	0.0107551	0.00803113	0.00609148	0.00594277	0.01005812	0.00971229	0.00678781
0.01002183	0.01306938	0.00856705	0.00849494	0.01390734	0.01375159	0.01687269	0.01715204	0.00747439	0.00943107	0.00938047	0.00995251	0.00982905	0.01575032	0.0163059	0.01611322	0.01049773	0.00746961	0.01076419	0.00805964	0.00609796	0.00595213	0.01007456	0.00973603	0.00683161
0.01004925	0.01318662	0.00863792	0.00856718	0.01392769	0.01378886	0.01696064	0.01724266	0.00749451	0.00946097	0.00941067	0.00996214	0.00984197	0.01588643	0.01633059	0.01614889	0.0105175	0.00747331	0.01077316	0.00808792	0.00610427	0.00596126	0.01009055	0.00975911	0.00687476
0.01007615	0.01330271	0.00870787	0.00863851	0.0139476	0.01382501	0.01704048	0.01732794	0.00751394	0.0094898	0.00943984	0.00997138	0.00985441	0.01602125	0.01635451	0.01618353	0.01053631	0.00747695	0.01078202	0.00811597	0.00611041	0.00597015	0.01010608	0.00978156	0.00691726
0.01010256	0.01341769	0.00877691	0.00870891	0.01396708	0.01386007	0.01712533	0.0174124	0.00753382	0.00951759	0.00948902	0.00998023	0.00986633	0.01615482	0.01637797	0.01621819	0.01057211	0.00748059	0.01079085	0.00816139	0.00611894	0.00597882	0.01012109	0.00980812	0.00695912
0.01012848	0.01353157	0.00884503	0.00877839	0.01398613	0.01389408	0.01720235	0.0174918	0.00755078	0.00954439	0.00949523	0.00998871	0.00987786	0.01628716	0.0164001	0.01624977	0.01057127	0.00748405	0.01079938	0.00817137	0.0061222	0.00598727	0.01013587	0.00982462	0.00700034
0.01015392	0.01364439	0.00891223	0.00884695	0.01400476	0.01392705	0.017276	0.01756725	0.00757625	0.00957022	0.00952151	0.00999684	0.00988893	0.0164183	0.01642182	0.01628145	0.01058749	0.00748752	0.0108079	0.00818973	0.00612787	0.0059955	0.01015014	0.00984526	0.00704092
0.01017888	0.01375617	0.00897852	0.00891459	0.01402299	0.01395902	0.01734642	0.01764037	0.0075851	0.00959512	0.00954688	0.01000463	0.00989957	0.01654827	0.01644284	0.01631218	0.01060292	0.00749093	0.0108163	0.00822585	0.00613338	0.00600353	0.01016402	0.00986533	0.00708088
0.01020338	0.01386695	0.0090439	0.00898131	0.01404083	0.01399002	0.01741373	0.017709	0.00760137	0.00961912	0.00957137	0.01001209	0.0099098	0.0166771	0.01646432	0.01634201	0.01061761	0.00749429	0.01082459	0.00825275	0.00613874	0.00601134	0.0101775	0.00988483	0.00712021
0.01022741	0.01397673	0.00910838	0.00904712	0.01405828	0.01402007	0.01747807	0.01777617	0.00761706	0.00964224	0.00959501	0.01001925	0.00991964	0.01680482	0.01648292	0.01637096	0.01063158	0.00749759	0.01083278	0.00827942	0.00614396	0.00601896	0.0101906	0.0099038	0.00715892
0.01025099	0.01408555	0.00917194	0.00907153	0.01407535	0.01404521	0.01753954	0.01781359	0.00763219	0.00966429	0.00961844	0.01003261	0.00992751	0.01693144	0.0165502	0.01639905	0.01064487	0.00750084	0.01084086	0.00830587	0.00614904	0.00602639	0.01020133	0.00991702	0.00719707
0.01027413	0.01419343	0.00923461	0.00917601	0.01409205	0.01407745	0.01759827	0.017902	0.0076468	0.00968599	0.00963986	0.01003267	0.0099382	0.017057	0.01652048	0.0164263	0.01065752	0.00750404	0.01084884	0.00833209	0.00615398	0.00603362	0.01021572	0.00994014	0.00723451
0.01029683	0.01430039	0.00929638	0.00923909	0.01410839	0.01410482	0.01765438	0.017981	0.00766088	0.00970668	0.00966112	0.01003896	0.00994695	0.01718152	0.01653837	0.01645275	0.01066955	0.00750719	0.01085671	0.00835808	0.0061588	0.00604066	0.01022775	0.00995756	0.0072714
0.0103191	0.01440645	0.00935725	0.00930126	0.01412437	0.01413135	0.01770796	0.0180134	0.00767447	0.00972666	0.00968163	0.01004499	0.00995536	0.01730502	0.01655569	0.0164784	0.01068099	0.00751028	0.01086448	0.00838385	0.00616348	0.00604753	0.01023943	0.00997448	0.00730769
0.01034095	0.01451163	0.00941724	0.00936254	0.01414002	0.01415707	0.01775913	0.01806622	0.00768758	0.00974579	0.00970142	0.01005077	0.00996345	0.01742752	0.01657245	0.01650329	0.01069187	0.00751333	0.01087214	0.0084094	0.00616804	0.00605422	0.01025079	0.00999093	0.00734339
0.01036238	0.01461594	0.00947634	0.00942924	0.01415532	0.01418199	0.01778098	0.01811667	0.00770201	0.00976429	0.00972052	0.01006563	0.00997122	0.01754905	0.01658834	0.01652724	0.01070222	0.00751838	0.01087973	0.00843473	0.00617247	0.00606074	0.01026183	0.01000691	0.00737891
0.0103834	0.01471942	0.00953456	0.00948242	0.01417033	0.01420613	0.01785462	0.0181648	0.00771424	0.00978207	0.00973895	0.01006161	0.00997787	0.01766962	0.01660438	0.01655086	0.01071206	0.00751928	0.01088718	0.00845983	0.00617679	0.00606708	0.01027255	0.01002244	0.00741304
0.01040402	0.01482207	0.00959191	0.00954104	0.01418496	0.01422953	0.01789914	0.01821081	0.00772416	0.00979922	0.00975672	0.01006669	0.00998589	0.01778925	0.01661959	0.01657358	0.01072142	0.00752218	0.01089455	0.00848472	0.00618099	0.00607327	0.01028297	0.01003753	0.00744701
0.01042424	0.01492391	0.00964839	0.00959877	0.0141993	0.01425221	0.01794164	0.0182547	0.00773549	0.00981573	0.00977386	0.01007155	0.00999928	0.01790797	0.0166343	0.01659562	0.01073033	0.00752504	0.01090182	0.00850939	0.00618507	0.0060792	0.0102931	0.0100522	0.0074804
0.01044407	0.01502496	0.00970401	0.00965563	0.01421333	0.01427417	0.01798219	0.01829659	0.00774642	0.00983162	0.0097904	0.01007622	0.00999945	0.01802579	0.01664854	0.01661699	0.01073879	0.00752785	0.01090	0.00853384	0.00618905	0.00608516	0.01030294	0.01006644	0.00751324
0.01046353	0.01512524	0.00975878	0.00971163	0.01422707	0.01429546	0.01802088	0.01833657	0.00775695	0.00984693	0.00980635	0.01008068	0.01000583	0.01814272	0.01666233	0.01663773	0.01074684	0.00753061	0.01091609	0.00855807	0.00619292	0.00609408	0.01031249	0.01008029	0.00754552
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0.01050131	0.01532353	0.00986578	0.00982105	0.01425366	0.01433605	0.01809302	0.01841111	0.0077769	0.00987584	0.00983657	0.01008906	0.01001787	0.01837401	0.01668858	0.01667733	0.01076177	0.00753601	0.01092998	0.0086059	0.00620034	0.00610187	0.0103308	0.01010168	0.00760845
0.01051966	0.01542157	0.00991803	0.00987449	0.01426653	0.01435554	0.01812662	0.01844584	0.0077834	0.00988895	0.00985088	0.01009299	0.01002355	0.01848884	0.01670107	0.01669624	0.01076869	0.00753864	0.01093679	0.00862949	0.00620391	0.00610715	0.01033956	0.01011949	0.0076391
0.01053765	0.01551889	0.00996945	0.00992709	0.01427913	0.01437414	0.01815867	0.01847897	0.00779544	0.00990265	0.00986467	0.01009675	0.01002911	0.01860198	0.01671316	0.01671458	0.01077526	0.00754123	0.01094351	0.00865287	0.00620737	0.0061123	0.01034807	0.01013182	0.00766923
0.01055529	0.01561552	0.01002005	0.00997885	0.01429146	0.01439229	0.01818924	0.01851057	0.00780421	0.00991153	0.00987797	0.01010035	0.01003424	0.01871475	0.01672486	0.01673237	0.01078152	0.00754378	0.01095014	0.00867604	0.00621075	0.00611731	0.01035634	0.01014379	0.00769884
0.01057259	0.01571145	0.01006984	0.01002298	0.01430352	0.01440988	0.01821839	0.01854071	0.00781266	0.0099274	0.0098908	0.01010381	0.01003928	0.01882673	0.01673619	0.01674961	0.01078746	0.00754629	0.01095669	0.0086999	0.00621403	0.00612219	0.01036438	0.01015542	0.00772794
0.01058955	0.01581882	0.01010792	0.01006794	0.01431533	0.01442691	0.01824619	0.01856945	0.00782081	0.00994177	0.00990616	0.01010711	0.01004413	0.01893794	0.01674714	0.01676993	0.01079311	0.00754876	0.01096312	0.00872158	0.00621722	0.00612694	0.01037218	0.01016167	0.00775653
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0.01062248	0.01599523	0.01021442	0.01017776	0.01433821	0.01445938	0.01829797	0.01862301	0.00783624	0.00996133	0.00992658	0.01011331	0.01005325	0.0191581	0.01676801	0.01679826	0.01080359	0.00755358	0.01097581	0.00876665	0.00622335	0.00613608	0.01038712	0.01018835	0.0078122
0.01063846	0.01608052	0.01026104	0.01022549	0.01434928	0.01447485	0.01832206	0.01864793	0.00784353	0.00997178	0.00993766	0.01011622	0.01005755	0.01926707	0.01677793	0.01681835	0.01080845	0.00755593	0.01098202	0.0087887	0.0062263	0.00614047	0.01039428	0.01019871	0.0078393
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0.01086652	0.01758609	0.0109429	0.01092397	0.01450548	0.01467402	0.01859533	0.01893086	0.00793378	0.0100995	0.01007501	0.01015047	0.01010965	0.02101823	0.01690494	0.01701167	0.01086233	0.00759054	0.01107758	0.0913501	0.00626566	0.00619973	0.01048871	0.01033519	0.00823176
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0.01133576	0.02405201	0.01245052	0.01247081	0.01482041	0.01493001	0.01880591	0.01914956	0.00803209	0.01023174	0.01022546	0.0101815	0.01016211	0.0286075	0.01706499	0.01727824	0.01090109	0.00767588	0.0113399	0.01028202	0.00632641	0.00629427	0.01062519	0.01053019	0.00907268
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0.01134429	0.02438202	0.01247947	0.01250051	0.0148262	0.01493203	0.0188064	0.01915008	0.00803263	0.01023239	0.0102263	0.01018161	0.01016236	0.02899566	0.01706621	0.01728055	0.01090116	0.00767796	0.01134757	0.01032175	0.0063271	0.0062954	0.01062656	0.01053208	0.00908838
0.01134561	0.02443639	0.01248395	0.01250511	0.0148271	0.01493232	0.01880647	0.01915015	0.00803271	0.01023248	0.01022642	0.01018163	0.01016239	0.02905963	0.0170664	0.01728089	0.01090117	0.00767828	0.01134879	0.01032812	0.0063272	0.00629557	0.01062676	0.01053237	0.0090908
0.0113469	0.0244906	0.01248834	0.01250961	0.01482798	0.01493261	0.01880654	0.01915022	0.00803279	0.01023257	0.01022654	0.01018165	0.01016243	0.02912339	0.01706657	0.01728123	0.01090118	0.00767861	0.01134999	0.01033442	0.0063273	0.00629574	0.01062696	0.01053264	0.00909318
0.01134817	0.02454463	0.01249264	0.01251403	0.01482884	0.01493289	0.0188066	0.01915028	0.00803286	0.01023266	0.01022666	0.01018166	0.01016246	0.02918695	0.01706674	0.01728155	0.01090119	0.00767892	0.01135118	0.01034065	0.0063274	0.0062959	0.01062715	0.01053291	0.00909551
0.01134941	0.02459848	0.01249685	0.01251835	0.01482968	0.01493316	0.01880666	0.01915035	0.00803293	0.01023274	0.01022676	0.01018167	0.01016249	0.02925031	0.0170669	0.01728186	0.0109012	0.00767923	0.01135234	0.01034681	0.0063275	0.00629606	0.01062734	0.01053317	0.00909779
0.01135062	0.02465217	0.01250097	0.01252258	0.01483051	0.01493342	0.01880672	0.0191504	0.008033	0.01023283	0.01022687	0.01018169	0.01016252	0.02931346	0.01706706	0.01728216	0.01090121	0.00767954	0.0113535	0.0103529	0.00632759	0.00629622	0.01062752	0.01053342	0.00910002

SEETe12norF	SECHe13stdF	SECHe12stdF	SECHe11stdF	SECHe12stdF	SECHe13norF	SECHe12norF	SECHe12norF	SEAPe11gedF	SEAPe11stdF	SEAPe12stdF	SEAPe11norF	SEAPe12norF	BITCs11gedF	BITCs12gedF	BITCs12gedF	BITCe11norF	BITCe12norF	BITCe11norF	LITCe12gedF	LITCe11gedF	LITCe12gedF	LITCe11norF	LITCe11norF	LITCe12norF
0.00575994	0.00723472	0.00795212	0.01040406	0.01143693	0.00703999	0.00756211	0.00888267	0.01215715	0.01689689	0.017596	0.01104531	0.01127552	0.02268061	0.023321	0.02306091	0.03051696	0.02567093	0.02767874	0.04744552	0.04564521	0.04726003	0.05019263	0.06011006	0.06079844
0.00506976	0.00725385	0.00675464	0.01045132	0.00967361	0.00708849	0.00673288	0.00740356	0.01214365	0.01690756	0.01576194	0.01107469	0.01066462	0.02368526	0.02380123	0.02360517	0.03160938	0.02633654	0.02525228	0.04804739	0.04163569	0.0421649	0.0510187	0.06131923	0.06137239
0.00561229	0.00727246	0.00744132	0.01049749	0.01072273	0.00713627	0.00731133	0.0074366	0.01213031	0.01691814	0.01721362	0.01110396	0.01121179	0.02464805	0.02478378	0.02482683	0.03267556	0.02748063	0.02592471	0.04864123	0.04227564	0.04299239	0.05181518	0.06249548	0.06260814
0.00535489	0.00729058	0.0070713	0.01054261	0.0101886	0.00718335	0.00702981	0.00746934	0.01211711	0.01692864	0.01610375	0.01113312	0.01084444	0.02557372	0.02556813	0.02591631	0.03371414	0.02848538	0.02651398	0.04922732	0.04287656	0.04375696	0.05258374	0.0636387	0.06372571
0.00562243	0.00730821	0.0073075	0.01058668	0.01056584	0.00722972	0.00727967	0.00750179	0.01210405	0.01693905	0.01700001	0.01116217	0.01120057	0.02646615	0.02637942	0.02689661	0.03472396	0.0295065	0.02706664	0.04980594	0.04344147	0.0444646	0.0533259	0.06474886	0.0648218
0.00554716	0.00732537	0.00719951	0.01062972	0.01042315	0.00727539	0.00720235	0.00753394	0.01209114	0.01694939	0.01633044	0.01119112	0.01098502	0.0272386	0.02714979	0.02778534	0.03570414	0.03050211	0.0275969	0.05037735	0.04397302	0.0451205	0.05404306	0.06582605	0.06588446
0.00569553	0.00734206	0.00728737	0.01067176	0.0105768	0.00732036	0.00732576	0.00756579	0.01207838	0.01695964	0.01688615	0.01121997	0.01122145	0.02816383	0.02790345	0.02859631	0.03665399	0.03148115	0.0281107	0.05094178	0.04447364	0.04572923	0.0547365	0.06687042	0.06691533
0.00569705	0.00735883	0.00736723	0.01071282	0.01055974	0.00736423	0.00732465	0.00759736	0.01206575	0.01696808	0.01648437	0.0112487	0.01109054	0.02897432	0.02863511	0.02936865	0.03757299	0.03243917	0.02860907	0.05149948	0.04494549	0.04629485	0.05540739	0.06788202	0.06791448
0.00573961	0.00737411	0.00730225	0.01075291	0.01063869	0.00740823	0.00739914	0.00762863	0.01205327	0.01697989	0.01683187	0.01127733	0.01126198	0.02976173	0.02934852	0.03002739	0.03846101	0.03337761	0.02909587	0.05205065	0.04539057	0.04682094	0.05605684	0.06882182	0.06888224
0.00582725	0.00738948	0.00730468	0.01079204	0.01066124	0.00745114	0.00742603	0.00765961	0.01204092	0.0169899	0.01659401	0.01130586	0.01120007	0.03052819	0.0300443	0.03066402	0.03931778	0.03429361	0.02956924	0.0525955	0.04581066	0.04731072	0.05668584	0.06980954	0.06981897
0.00590105	0.00740444	0.00732733	0.01083025	0.01071446	0.00749337	0.00748113	0.00769029	0.01202871	0.01699983	0.01681337	0.01133428	0.01131452	0.03127514	0.03072388	0.03125681	0.04014336	0.03518708	0.03003073	0.05313423	0.04620742	0.04776706	0.05729532	0.07072587	0.07072511
0.00594764	0.00741899	0.00733785	0.01086755	0.01074863	0.00753493	0.00751779	0.00772069	0.01201663	0.01700967	0.01667523	0.01136259	0.01128937	0.03200394	0.03138823	0.03181105	0.04093794	0.03605742	0.03048094	0.05366702	0.04658234	0.04819258	0.05788617	0.07161128	0.07160112
0.00601101	0.00743314	0.00735468	0.01090396	0.01079218	0.00757583	0.00756471	0.00775081	0.01200468	0.01701944	0.01681638	0.01139079	0.01137435	0.0327158	0.03203832	0.03233123	0.04170181	0.03690415	0.03092041	0.05419404	0.04693683	0.04858961	0.0584592	0.07246634	0.07244753
0.00606245	0.00744469	0.00736733	0.01093949	0.01082289	0.00761606	0.00760425	0.00778063	0.01199287	0.01702913	0.01673903	0.01141889	0.01137206	0.03341182	0.032675	0.03282119	0.04235465	0.03744154	0.03147267	0.05472714	0.04786229	0.05901515	0.0732916	0.07326489	
0.00612068	0.00746029	0.00738179	0.01097416	0.01086808	0.00765564	0.00764727	0.00781017	0.01198118	0.01703875	0.01683226	0.01144688	0.01143852	0.03409294	0.03329905	0.03328428	0.04313905	0.03852558	0.03176906	0.05523147	0.04758946	0.04930655	0.05955475	0.0740877	0.07405378
0.00617348	0.00747331	0.00739466	0.011008	0.01090443	0.00769458	0.00768709	0.00783942	0.01196963	0.01704829	0.01679194	0.01147476	0.01145042	0.03476007	0.03391115	0.03372335	0.04381347	0.03929992	0.03217912	0.05574218	0.04788987	0.04963016	0.06007865	0.07485526	0.07481482
0.00622882	0.00748597	0.00740789	0.01104101	0.01094101	0.00773287	0.00772784	0.00786839	0.0119582	0.01705775	0.01685578	0.01150253	0.01150052	0.03541398	0.03451194	0.03414092	0.04445926	0.04004994	0.03258018	0.05624775	0.04817439	0.04993275	0.06058749	0.07559496	0.07554864
0.00628149	0.00749828	0.00742038	0.01107322	0.01097611	0.00777053	0.00776699	0.00789708	0.01194689	0.01706713	0.01683798	0.0115302	0.01152586	0.0360554	0.03510201	0.03453916	0.04507709	0.04077571	0.03297263	0.05674832	0.04844395	0.05021578	0.06108185	0.07630747	0.0762559
0.00633489	0.00751025	0.00743278	0.01110464	0.01101072	0.00780756	0.0078061	0.00792549	0.01193571	0.01707644	0.01688377	0.01155776	0.01157326	0.03668498	0.03568189	0.03491999	0.0456677	0.04147735	0.0333568	0.05724401	0.04869942	0.05048063	0.06156229	0.07699349	0.07693727
0.00638681	0.00752189	0.00744472	0.01113529	0.0110443	0.00784397	0.00784422	0.00795362	0.01192465	0.01708568	0.01687964	0.01158522	0.01159929	0.03730332	0.03625206	0.0352851	0.04623185	0.04215509	0.0338735	0.05773496	0.04894161	0.05072854	0.06202934	0.07765373	0.07759341
0.00643867	0.00753322	0.00745643	0.01116518	0.01107719	0.00787976	0.00788194	0.00798147	0.01191371	0.01709484	0.0169143	0.01161257	0.01164197	0.03791097	0.03681298	0.03563596	0.04677035	0.04280918	0.03410154	0.05822129	0.04917128	0.05096067	0.06248348	0.0782889	0.07822502
0.00648955	0.00754421	0.00746779	0.01119434	0.01110922	0.00791495	0.00791891	0.00800905	0.01190289	0.01710393	0.01691841	0.01163981	0.01167125	0.03850844	0.03736507	0.03597388	0.04728402	0.04343995	0.03446269	0.05870311	0.04938913	0.05117808	0.0629252	0.07889972	0.07883278
0.00654005	0.00755549	0.00747888	0.01122278	0.01114052	0.00794954	0.00795536	0.00803635	0.01189219	0.01711294	0.01694617	0.01166694	0.01171089	0.0390962	0.037987	0.03630002	0.04777368	0.04404779	0.03481671	0.05918052	0.04959583	0.05138176	0.06335493	0.07948691	0.07941738
0.00658978	0.00756653	0.00748966	0.01125051	0.01117103	0.00798353	0.00799116	0.00806338	0.0118816	0.01712188	0.01695522	0.01169397	0.01174211	0.03967468	0.03844425	0.03661541	0.04824018	0.0446331	0.03516386	0.05965365	0.04979198	0.0515726	0.06377309	0.08005118	0.07997952
0.00663899	0.00757541	0.00750017	0.01127755	0.01120026	0.00801694	0.00802639	0.00809013	0.01187713	0.01713075	0.01697358	0.01172089	0.01177974	0.04024428	0.03897204	0.03717897	0.04884836	0.04519863	0.03550436	0.06012358	0.04998717	0.05175147	0.0643801	0.08057988	0.08051988
0.00668751	0.00758425	0.00751004	0.01130392	0.01122987	0.00804977	0.00806102	0.00811662	0.01186078	0.01713955	0.01699065	0.01174771	0.01181206	0.04080537	0.03949238	0.03721751	0.04910707	0.04573798	0.03583844	0.06058743	0.05015493	0.05191913	0.06457633	0.08113382	0.08103914
0.00673547	0.00759479	0.00752036	0.01132963	0.01125822	0.00808203	0.00809507	0.00814283	0.01185053	0.01714828	0.01701138	0.01177441	0.01184835	0.0413583	0.04000557	0.03750576	0.04950912	0.04625856	0.0361663	0.06104827	0.05032279	0.05207631	0.06496214	0.08161361	0.08153797
0.00678278	0.00760408	0.00753006	0.01135469	0.01128587	0.00811372	0.00812855	0.00816878	0.0118404	0.01715694	0.01702505	0.01180101	0.01188126	0.04190339	0.04051188	0.03778636	0.04989137	0.04675858	0.03648814	0.06150521	0.0504822	0.0522237	0.06533788	0.08209329	0.08201704
0.00682949	0.0076131	0.00753951	0.01137913	0.01131284	0.00814486	0.00816147	0.00819447	0.01183038	0.01716553	0.01704402	0.01182751	0.0119166	0.04244094	0.04101156	0.03805989	0.0502546	0.0472386	0.03680414	0.06195832	0.05063364	0.05236191	0.06570389	0.08255355	0.08247702
0.00687558	0.00762187	0.00754487	0.01140295	0.01133914	0.00817544	0.00819382	0.00821989	0.01182047	0.01717405	0.01705863	0.01185389	0.01194979	0.04297125	0.04150486	0.03832688	0.05059963	0.04769917	0.03711449	0.06240769	0.05077751	0.0524915	0.06606047	0.08299507	0.08291854
0.00692107	0.00763304	0.00755766	0.01142616	0.01136548	0.00820548	0.00822452	0.00824505	0.01181054	0.01718082	0.01707249	0.01188018	0.01198644	0.04349456	0.04199139	0.03857724	0.05140087	0.04863499	0.03741984	0.06285309	0.05091421	0.05261309	0.06643849	0.08343189	0.08334325
0.00696594	0.00763868	0.00756637	0.0114488	0.01138982	0.00823499	0.00825687	0.00826995	0.01180096	0.01719088	0.01709153	0.01190635	0.01201769	0.04401115	0.04247317	0.03884305	0.05123815	0.04856427	0.0377189	0.06329555	0.05104412	0.05272713	0.06674656	0.08382447	0.08374876
0.00701021	0.00764673	0.00757486	0.01147085	0.01141422	0.00826397	0.00828758	0.00829458	0.01179136	0.01719119	0.01710853	0.01193242	0.0120518	0.04452123	0.0429486	0.03909303	0.05153321	0.04896994	0.03801326	0.06373418	0.05116176	0.05283409	0.06707663	0.08421362	0.08413869
0.00705387	0.00765456	0.00758312	0.01149235	0.01143801	0.00829242	0.00831776	0.00831897	0.01178187	0.01720744	0.01712383	0.01195838	0.012085	0.04502503	0.04341848	0.03933806	0.05181304	0.04935845	0.0383026	0.06416938	0.05128497	0.05293443	0.06739842	0.08458658	0.08451262
0.00709694	0.00766216	0.00759117	0.0115133	0.01146121	0.00832037	0.00834742	0.00834309	0.01177248	0.01721562	0.01714025	0.01198423	0.01211868	0.04552276	0.04388297	0.03957846	0.05207836	0.04973039	0.03858705	0.06460122	0.05139655	0.05302855	0.06771216	0.08494393	0.08487115
0.00713994	0.00766955	0.00759599	0.01153371	0.01148383	0.00834781	0.00837655	0.00836697	0.01176319	0.01722373	0.01715559	0.01200998	0.01215174	0.04601461	0.04434225	0.0398145	0.05232987	0.05008633	0.03886674	0.06502977	0.05150264	0.05311685	0.06801811	0.08528626	0.08521484
0.00718128	0.00767673	0.00760662	0.01155081	0.01150588	0.00837497	0.00840518	0.00839059	0.01175454	0.01723178	0.01716754	0.01203154	0.01218506	0.04650078	0.04479647	0.04004644	0.05256802	0.05042682	0.03914181	0.06545508	0.05160351	0.05319967	0.06831664	0.08562424	
0.00722256	0.00768371	0.00761403	0.01157299	0.01152738	0.00840119	0.00843333	0.00841396	0.01174491	0.01723977	0.01718684	0.01206116	0.01221792	0.04698145	0.0452458	0.0402745	0.05279399	0.05075243	0.03941237	0.06587723	0.05169944	0.05327737	0.06860754	0.08592814	0.08585989
0.00726325	0.00769049	0.00762126	0.01159188	0.01154834	0.00842715	0.00846092	0.00843708	0.01173592	0.01724769	0.01720246	0.01208659	0.0122509	0.04745677	0.04569038	0.04049889	0.05300785	0.0510637	0.03967853	0.06629627	0.05179067	0.05335024	0.06889147	0.08622878	0.08616231
0.00730337	0.00769707	0.00762828	0.01161028	0.01156877	0.00845263	0.00848805	0.00845996	0.01172703	0.01725554	0.01721761	0.01211192	0.01228355	0.0479269	0.04613034	0.04071979	0.05321036	0.05136116	0.03994042	0.06671226	0.05187744	0.05341859	0.06916848	0.08651657	0.08645201
0.00734291	0.00770347	0.00763513	0.01162821	0.01158869	0.00847765	0.00851447	0.00848259	0.01171823	0.01726333	0.01723292	0.01213714	0.01231622	0.04839201	0.04656581	0.04093738	0.05340207	0.05164536	0.04019814	0.06712526	0.05195997	0.0534827	0.06943878	0.08679203	0.08672949
0.00738186	0.00770969	0.00764178	0.01164568	0.0116081	0.00850294	0.00854087	0.00850498	0.01170952	0.01727101	0.01724795	0.01216225	0.01234864	0.04885223	0.04699604	0.04115182	0.05358353	0.0519168	0.04038018	0.06753552	0.05203848	0.05354282	0.06970755	0.08707252	0.08699521
0.0474204	0.00771573	0.00764826	0.01166627	0.01162702	0.00852629	0.00856057	0.00852713	0.01170091	0.01727872	0.01726295	0.01218726	0.01238101	0.0493077	0.04742379	0.04136323	0.05375525	0.05217598	0.04070148	0.06794252	0.05211317	0.05359919	0.06995999	0.0873079	0.08724964	
0.00745806	0.00772116	0.00765457	0.01167928	0.01164546	0.00854994	0.00859118	0.00854904	0.01169239	0.01728633	0.01727775	0.01221217	0.01241318	0.04975855	0.04784653	0.04151777	0.05391773	0.0524234	0.04094729	0.06834688	0.05218423	0.05365204	0.07021127	0.08754924	0.08749322
0.00749532	0.00772773	0.00766071	0.01169542	0.01166343	0.00857314	0.00861658	0.00857071	0.01168397	0.01729387	0.01729254	0.01223697	0.01244527	0.05020491	0.04826526	0.04177753	0.05407142	0.05265953	0.04118932	0.06874845	0.05225184	0.05370158	0.07045656	0.08778011	0.0877264
0.00753202	0.00773284	0.00766668	0.01171115	0.01168095	0.00859591	0.00864091	0.00859215	0.01167563	0.01730135	0.01730715	0.01226166	0.01247718	0.0506469	0.04868007	0.04198064	0.05421679	0.05288484	0.04142765	0.0691473	0.05231616	0.05374802	0.07069602	0.08800093	0.08794958	
0.00756817	0.00773823	0.0076725	0.01172647	0.01169801	0.00861825	0.00866448	0.00861335	0.01166738	0.01730877	0.0173217	0.01228625	0.01250899	0.05108462	0.04909106	0.04218119	0.05435426	0.05309977	0.04166237	0.06954347	0.05237737	0.05379154	0.07092983	0.08821213	0.08816316
0.00760378	0.00774345	0.00768015	0.01174414	0.01171464	0.00864016	0.00868825	0.00863432	0.01165922	0.01731613	0.01732073	0.01230464	0.01253819	0.05149813	0.04948333	0.04237928	0.05448424	0.05330476	0.04189357	0.06994937	0.05243561	0.05383231	0.07115812	0.08841488	0.08836755
0.00763884	0.00774853	0.00768366	0.01175593	0.01173085	0.00866167	0.00871227	0.00865506	0.01165115	0.01732343	0.01735044	0.01233511	0.01257218	0.05194772	0.04990198	0.04257499	0.05460713	0.05350023	0.04212132	0.07032793	0.05249104	0.05387051	0.07138106	0.08860719	0.08856311
0.00767336	0.00775347	0.00768902	0.01177009	0.01174664	0.00868276	0.00873387	0.00867557	0.01164316	0.01733067	0.01736463	0.01235939	0.01260356	0.0523733	0.05030208	0.0427684	0.05472328	0.05368659	0.0423457	0.07071632	0.05254378	0.05390628	0.07159878	0.08879181	0.0887502
0.00770735	0.00775826	0.00769423	0.01178387	0.01176203	0.00870345	0.00875605	0.00869586	0.01163526	0.01733785	0.01737875	0.01238356	0.01263483	0.05279503	0.05069873	0.04295959	0.05483307	0.05386423	0.04256678	0.0711022	0.05259397	0.05393977	0.07181143	0.08896831	0.08892918
0.07774081	0.00776292	0.0076993	0.01179773	0.01177702	0.00872375	0.00877782	0.00871592	0.01162744	0.01734497	0.01739274	0.01240762	0.01266594	0.053213	0.051092	0.04314861	0.05493683	0.05403353	0.04278463	0.07148561	0.05264175	0.05397112	0.07201914	0.08913702	0.08910038
0.00777376	0.00776744	0.00770424	0.01181038	0.01179162	0.00874366	0.00879918	0.00873576	0.01161971	0.01735203	0.01740664	0.01243158	0.01269694	0.0536273	0.05148197	0.04333554	0.05503487	0.05419486	0.04299932	0.0718666	0.05268721	0.05400045	0.07222203	0.08929828	0.08926412
0.00780618	0.00777183	0.00770905	0.01182311	0.01180585	0.00876318	0.00882015	0.00875538	0.01161206	0.01736206	0.01742344	0.01245544	0.01272779	0.05403801	0.05186872	0.04352044	0.05512751	0.05434858	0.04320546	0.07227452	0.05273048	0.05402788	0.07243502	0.08945782	0.08942072
0.0078381	0.0077761	0.0077312	0.01183551	0.01181972	0.00878234	0.00884073	0.00877478	0.01160449	0.01736599	0.01743412	0.01247292	0.01275851	0.05444522	0.05225231	0.04370335	0.05521503	0.05449498	0.04341949	0.07262146	0.05277166	0.05405354	0.07261389	0.08959967	0.08957047
0.07786951	0.00778024	0.00771827	0.01184758	0.01183322	0.00880113	0.00886093	0.00879396	0.011597	0.01737288	0.01744477	0.01250285	0.0127891	0.054849	0.05263282	0.04388433	0.0552977	0.05463444	0.0436251	0.0729954	0.05281086	0.05407752	0.07280309	0.08974041	0.08971366
0.07790042	0.00778427	0.00772269	0.01185934	0.01184638	0.00881955	0.00888074	0.00881293	0.01158959	0.01737972	0.01746119	0.0125264	0.01281955	0.05524943	0.05301031	0.04406343	0.05537545	0.05476725	0.04382781	0.07336706	0.05284817	0.05409992	0.07298797	0.08987489	0.08985058
0.07793083	0.00778818	0.0077727	0.01187079	0.01185919	0.00883761	0.00890019	0.00883169	0.01158226	0.0173865	0.01747457	0.01254984	0.01284987	0.05564659	0.05338486	0.04424069	0.05544955	0.05489373	0.04402766	0.07373648	0.05288368	0.05412084	0.07316862	0.09000337	0.08998148
0.07796076	0.00779198	0.00773119	0.01188193	0.01187568	0.00885533	0.00891927	0.00885023	0.01157531	0.01739328	0.01748718	0.01257318	0.01288006	0.05604053	0.05375348	0.04441619	0.05552921	0.05501415	0.04422811	0.07410545	0.05291748	0.05414037	0.07334516	0.09012662	0.09010962
0.07799607	0.00779567	0.00773526	0.01189279	0.01188384	0.00887727	0.00893799	0.00888656	0.01156783	0.01739989	0.01750104	0.01259642	0.01291011	0.05643134	0.05412533	0.04458987	0.0555585	0.05512879	0.04441906	0.07446873	0.05294965	0.05415858	0.0735177	0.09024338	0.09022625
0.00801917	0.00779925	0.00773923	0.01190335	0.01189568	0.00888973	0.00895635	0.00888669	0.01156073	0.01740651	0.01751413	0.01261956	0.01294003	0.05681907	0.05449138	0.04476186	0.05564711	0.05523791	0.04461072	0.07483162	0.05298027	0.05417556	0.07368632	0.09035539	0.0903406
0.00804767	0.00780273	0.00774309	0.01191364	0.01190722	0.00890643	0.00897437	0.00890461	0.01155537	0.01741307	0.01752711	0.01264259	0.01296982	0.05720379	0.05485471	0.04493218	0.05570577	0.05534178	0.04479974	0.0751924	0.05300942	0.05419138	0.07385114	0.09046239	0.09044991
0.00807057	0.00780611	0.00774684	0.01192365	0.01191845	0.0089228	0.00899204	0.00892233	0.01154675	0.01741958	0.01754	0.01266552	0.01299947	0.05758556	0.05521537	0.04510085	0.05576115	0.05544064	0.04498618	0.07555111	0.05303716	0.05420611	0.07401225	0.09056459	0.09055437
0.08010327	0.00780939	0.00775049	0.01193341	0.0119294	0.00893885	0.00900938	0.00893984	0.01153888	0.01742603	0.01755528	0.01268835	0.01302899	0.05796444	0.05557343	0.0452679	0.05581344	0.05553472	0.04517009	0.07590776	0.05306307	0.05421981	0.07416973	0.09066219	0.09065422
0.08013038	0.00781258	0.00775405	0.01194203	0.01194006	0.00895454	0.00902638	0.00895716	0.01153392	0.01743227	0.01757108	0.01270854	0.01305892	0.05834048	0.05592992	0.04543732	0.05586238	0.05562423	0.04535887	0.07625244	0.05309387	0.05422554	0.07430582	0.09075347	0.09074654
0.00815705	0.00781568	0.0077575	0.01195214	0.01195044	0.00897001	0.00904306	0.00897428	0.01152634	0.01743879	0.01757809	0.01273371	0.01308763	0.05871374	0.0562819	0.04559728	0.0559094	0.05570941	0.04553051	0.07661502	0.05311262	0.05424437	0.07447419	0.09084443	0.09084082
0.00818327	0.00781868	0.00776087	0.01196114	0.01196055	0.00898513	0.00905943	0.0089912	0.01151968	0.01744508	0.0175906	0.01275623	0.01311675	0.05908427	0.05663242	0.04575967	0.05595338	0.05579044	0.04570711	0.07696569	0.05313539	0.05425534	0.07462134	0.09092945	0.09092796
0.00820906	0.00782116	0.00776414	0.01196989	0.01197039	0.00899996	0.00907547	0.00900792	0.01151309	0.01745133	0.01760301	0.01277865	0.01314574	0.05945213	0.05698052	0.04592056	0.0559949	0.05586754	0.04588136	0.07731442	0.05315706	0.0542655	0.07476521	0.09101063	0.09101122
0.00823441	0.00782444	0.00776732	0.01197842	0.01197998	0.00901448	0.00909121	0.00902445	0.01150657	0.01745752	0.01761533	0.01280098	0.0131746	0.05981736	0.05732624	0.04607998	0.0560341	0.05594087	0.04605331	0.07766123	0.05317769	0.05427491	0.07490588	0.09108815	0.09109077
0.00825934	0.00782719	0.00777042	0.01198672	0.01198932	0.00902873	0.00910665	0.0090408	0.01150012	0.01746367	0.01762756	0.0128232	0.01320332	0.06018001	0.05766963	0.04623795	0.05607109	0.05601063	0.04622299	0.07800616	0.05319731	0.0542836	0.07504342	0.09116216	0.09116679
0.00828385	0.00782987	0.00777343	0.01199481	0.01199841	0.00904269	0.00912179	0.00905695	0.01149374	0.01747676	0.01763969	0.01284526	0.01323191	0.06054013	0.05801072	0.04639555	0.0562416	0.05607067	0.04638005	0.07834923	0.05321599	0.05429163	0.07517793	0.09123263	0.09123941
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0.00833163	0.00783499	0.00777921	0.01201032	0.01201589	0.00906978	0.00915119	0.00908869	0.01148117	0.0174818	0.01766368	0.01288926	0.0132887	0.06125295	0.05868621	0.04670338	0.05617004	0.05620009	0.04671884	0.07902989	0.05325069	0.05430582	0.07543808	0.09136472	0.09137509
0.00835491	0.00783744	0.00778199	0.01201777	0.01202429	0.00908292	0.00916547	0.00910429	0.0114749	0.01748774	0.01767554	0.01291108	0.0133169	0.06160574	0.05902067	0.04685578	0.05619939	0.05625716	0.04687986	0.07936752	0.05326679	0.05431207	0.07556387	0.09142622	0.09143842
0.00837779	0.00783981	0.00778468	0.01202502	0.01203246	0.00909558	0.00917946	0.00911497	0.0114688	0.01749364	0.01768731	0.0129328	0.01334497	0.06195617	0.059353	0.04700684	0.05622708	0.05631143	0.0470388	0.07970339	0.05328211	0.05431778	0.0756869	0.09148493	0.09149891
0.00840028	0.00784212	0.00778731	0.01203008	0.01204042	0.00910842	0.00919319	0.00913494	0.01146281	0.01749948	0.01769899	0.01295442	0.0133729	0.06230428	0.05968323	0.04715658	0.05625322	0.05636806	0.0471957	0.08003751	0.05329669	0.05432301	0.07580723	0.09154498	0.0915567
0.00842239	0.00784437	0.00778986	0.01203895	0.01204817	0.00912078	0.00920665	0.00914999	0.01145682	0.01750528	0.01771059	0.01297594	0.01340071	0.06265011	0.06001139	0.04730502	0.05627788	0.0564121	0.0473506	0.08036991	0.05331056	0.05432776	0.07592492	0.09159448	0.09161191
0.00844411	0.00784655	0.00779234	0.01204563	0.01205572	0.0091329	0.00921984	0.00916487	0.0114509	0.01751103	0.01772209	0.01299736	0.01342838	0.06299371	0.06033752	0.04745217	0.05630114	0.05645875	0.04750353	0.08070061	0.05332375	0.05433208	0.07604004

0.0093925	0.00791424	0.00787331	0.01226656	0.01230767	0.00962117	0.00976046	0.00997048	0.01110694	0.0178737	0.01846457	0.01455396	0.0154239	0.08764603	0.08398745	0.05692759	0.05668699	0.05734335	0.05593127	0.10533168	0.05356209	0.05421078	0.08056892	0.09269663	0.09276451
0.00939642	0.00791438	0.0078735	0.01226711	0.01230832	0.00962296	0.0097625	0.00997524	0.01110463	0.01787639	0.01847022	0.01456754	0.01544109	0.08787058	0.08420525	0.05700218	0.05668711	0.05734379	0.05598562	0.10556227	0.05356192	0.05420835	0.0805856	0.09269735	0.09276529
0.00940027	0.00791453	0.0078737	0.01226765	0.01230894	0.00962471	0.00976449	0.00997995	0.01110235	0.01787905	0.01847582	0.01458104	0.01545818	0.08809433	0.08442232	0.05707626	0.05668722	0.05734422	0.05603941	0.10579213	0.05356175	0.05420592	0.08060194	0.09269803	0.09276604
0.00940404	0.00791467	0.00787388	0.01226817	0.01230955	0.00962642	0.00976644	0.0099846	0.01111001	0.0178817	0.01848138	0.01459448	0.01547518	0.0883173	0.08463867	0.05714985	0.05668732	0.05734462	0.05609264	0.10602127	0.05356156	0.0542035	0.08061794	0.09269868	0.09276675
0.00940774	0.0079148	0.00787406	0.01226868	0.01231014	0.0096281	0.00976836	0.00998918	0.01109786	0.01788432	0.01848689	0.01460784	0.01549207	0.08853948	0.0848543	0.05722295	0.05668742	0.057345	0.05614531	0.10624968	0.05356137	0.05420108	0.08063361	0.0926993	0.09276743
0.00941136	0.00791493	0.00787424	0.01226917	0.01231072	0.00962974	0.00977023	0.00999371	0.01109565	0.01788691	0.01849237	0.01462114	0.01550888	0.08876088	0.08506922	0.05729556	0.05668751	0.05734536	0.05619744	0.10647737	0.05356118	0.05419866	0.08064896	0.09269989	0.09276808
0.00941492	0.00791506	0.00787441	0.01226965	0.01231128	0.00963134	0.00977206	0.00999818	0.01109347	0.01788949	0.01849779	0.01463436	0.01552558	0.08898152	0.08528344	0.05736768	0.05668759	0.05734571	0.05624902	0.10670435	0.05356098	0.05419624	0.080664	0.09270045	0.0927687
0.00941841	0.00791519	0.00787458	0.01227012	0.01231182	0.00963291	0.00977386	0.01000259	0.0110913	0.01789204	0.01850318	0.01464751	0.0155422	0.08920138	0.08549696	0.05743932	0.05668767	0.05734603	0.05630006	0.10693063	0.05356077	0.05419383	0.08067872	0.09270099	0.0927693
0.00942183	0.00791531	0.00787474	0.01227057	0.01231235	0.00963445	0.00977562	0.01000695	0.01108916	0.01789457	0.01850852	0.01466059	0.01555871	0.08942049	0.08570979	0.05751049	0.05668775	0.05734634	0.05635057	0.10715619	0.05356056	0.05419141	0.08069314	0.09270151	0.09276986
0.00942518	0.00791542	0.0078749	0.01227102	0.01231287	0.00963596	0.00977734	0.01001124	0.01108704	0.01789709	0.01851382	0.0146736	0.01557514	0.08963884	0.08592193	0.05758118	0.05668782	0.05734664	0.05640056	0.10738106	0.05356034	0.054189	0.08070727	0.092702	0.0927704
0.00942846	0.00791554	0.00787505	0.01227145	0.01231337	0.00963743	0.00977903	0.01001549	0.01108494	0.01789958	0.01851907	0.01468654	0.01559147	0.08985645	0.08613339	0.05765141	0.05668789	0.05734692	0.05645003	0.10760524	0.05356011	0.05418659	0.08072111	0.09270246	0.09277091
0.00943169	0.00791565	0.0078752	0.01227186	0.01231386	0.00963887	0.00978068	0.01001967	0.01108286	0.01790204	0.01852429	0.01469941	0.0156077	0.09007331	0.08634417	0.05772117	0.05668795	0.05734719	0.05649898	0.10782873	0.05355989	0.05418419	0.08073466	0.09270291	0.09277141
0.00943485	0.00791575	0.00787535	0.01227227	0.01231434	0.00964028	0.00978229	0.01002381	0.0110808	0.01790449	0.01852946	0.01471221	0.01562385	0.09028943	0.08655428	0.05779047	0.05668801	0.05734744	0.05654743	0.10805153	0.05355966	0.05418178	0.08074793	0.09270334	0.09277188
0.00943795	0.00791586	0.00787549	0.01227267	0.0123148	0.00964166	0.00978388	0.01002789	0.01107876	0.01790692	0.0185346	0.01472494	0.0156399	0.09050483	0.08676372	0.05785931	0.05668807	0.05734768	0.05659538	0.10827365	0.05355942	0.05417938	0.08076093	0.09270374	0.09277232

LitCe21norF	LitCp11norF	LitCc11norF	LitCc12norF	GREXe11gedF	GREXe12gedF	GREXe21gedF	DAXPs11gedF	DAXPs11stdF	DAXPs12norF	DAXPe11norF	DAXPp11norF	ORE@forecast$sigma
0.06417731	0.0515556	0.05081987	0.05105055	0.00139893	0.00135693	0.00135656	0.00692315	0.00850595	0.00669512	0.00749377	0.00695467	
0.06075331	0.05237194	0.04850061	0.04868297	0.00124035	0.00122172	0.00115045	0.00691291	0.00861482	0.0069685	0.00748044	0.00694825	
0.06186076	0.05315872	0.04986482	0.050094	0.00120252	0.0011031	0.00115071	0.00690342	0.00871804	0.00681266	0.00746864	0.00694249	
0.06294163	0.05391758	0.05116876	0.05143861	0.00119296	0.00107485	0.00115097	0.00689461	0.00881597	0.00690201	0.00745819	0.00693735	
0.0639958	0.05465003	0.0524177	0.05272239	0.00119051	0.00112973	0.00115122	0.00688644	0.00890894	0.00685055	0.00744893	0.00693275	
0.06502319	0.05535746	0.05361624	0.05395081	0.00118988	0.00121048	0.00115148	0.00687887	0.00899727	0.00687974	0.00744074	0.00692863	
0.06602383	0.05604114	0.05476838	0.05512846	0.00118972	0.00124998	0.00115173	0.00687185	0.00908123	0.0068627	0.00743348	0.00692495	
0.06699779	0.05670224	0.05587767	0.05625938	0.00118968	0.00122635	0.00115199	0.00686535	0.0091611	0.00687218	0.00742705	0.00692166	
0.06794519	0.05734185	0.05694722	0.05734713	0.00118967	0.00117485	0.00115224	0.00685931	0.0092371	0.00686648	0.00742135	0.00691872	
0.06886621	0.05796096	0.05797984	0.05839488	0.00118967	0.00114156	0.00115249	0.00685372	0.00930946	0.00686951	0.0074163	0.00691609	
0.06976109	0.05856051	0.05897803	0.05940546	0.00118966	0.00114507	0.00115273	0.00684854	0.00937838	0.00686755	0.00741182	0.00691374	
0.0706301	0.05914138	0.05994404	0.06038141	0.00118966	0.00117333	0.00115298	0.00684374	0.00944405	0.00686847	0.00740786	0.00691164	
0.07147354	0.05970438	0.06087992	0.06132502	0.00118966	0.00119956	0.00115323	0.00683929	0.00950666	0.00686776	0.00740434	0.00690976	
0.07229176	0.06025026	0.06178751	0.06223836	0.00118966	0.0012044	0.00115347	0.00683517	0.00956636	0.006868	0.00740123	0.00690808	
0.07308513	0.06077973	0.06266851	0.06312333	0.00118966	0.0011896	0.00115371	0.00683134	0.00962331	0.0068677	0.00739847	0.00690657	
0.07385406	0.06129348	0.06352447	0.06398165	0.00118966	0.00117147	0.00115396	0.006828	0.00967766	0.00686773	0.00739602	0.00690523	
0.07459896	0.06179211	0.06435679	0.06481488	0.00118966	0.00116425	0.0011542	0.00682452	0.00972953	0.00686759	0.00739385	0.00690403	
0.0753203	0.06227623	0.06516678	0.06562448	0.00118966	0.00117033	0.00115443	0.00682148	0.00977905	0.00686755	0.00739193	0.00690296	
0.07601853	0.0627464	0.06595564	0.06641178	0.00118966	0.00118184	0.00115467	0.00681866	0.00982635	0.00686746	0.00739022	0.006902	
0.07669412	0.06320315	0.06672449	0.067178	0.00118966	0.00118887	0.00115491	0.00681606	0.00987153	0.00686741	0.00738871	0.00690114	
0.07734758	0.06364696	0.06747434	0.06792428	0.00118966	0.00118729	0.00115514	0.00681364	0.0099147	0.00686735	0.00738737	0.00690037	
0.07797939	0.06407833	0.06820617	0.06865167	0.00118966	0.00118051	0.00115537	0.0068114	0.00995596	0.00686731	0.00738618	0.00689969	
0.07859008	0.06449769	0.06892085	0.06936115	0.00118966	0.00117492	0.00115561	0.00680932	0.0099954	0.00686726	0.00738513	0.00689907	
0.07918014	0.06490547	0.06961922	0.07005361	0.00118966	0.00117434	0.00115584	0.0068074	0.0100331	0.00686722	0.0073842	0.00689853	
0.07975011	0.06530208	0.07030204	0.07072992	0.00118966	0.0011779	0.00115607	0.00680562	0.01006915	0.00686718	0.00738337	0.00689804	
0.08030049	0.0656879	0.07097004	0.07139086	0.00118966	0.00118189	0.00115629	0.00680397	0.01010364	0.00686714	0.00738263	0.0068976	
0.08083181	0.0660633	0.0716239	0.07203715	0.00118966	0.00118325	0.00115652	0.00680244	0.01013662	0.00686711	0.00738198	0.00689721	
0.08134459	0.06642863	0.07226425	0.07266951	0.00118966	0.00118164	0.00115675	0.00680103	0.01016818	0.00686708	0.00738141	0.00689686	
0.08183934	0.06678422	0.07289169	0.07328856	0.00118966	0.00117902	0.00115697	0.00679972	0.01019837	0.00686705	0.00738089	0.00689655	
0.08231657	0.0671304	0.07350677	0.07389493	0.00118966	0.0011776	0.00115719	0.0067985	0.01022727	0.00686703	0.00738044	0.00689627	
0.08277679	0.06746747	0.07411003	0.07448917	0.00118966	0.00117812	0.00115741	0.00679738	0.01025492	0.00686701	0.00738004	0.00689602	
0.08322051	0.06779571	0.07470196	0.07507182	0.00118966	0.00117969	0.00115764	0.00679634	0.0102814	0.00686699	0.00737968	0.0068958	
0.08364821	0.06811542	0.07528303	0.07564339	0.00118966	0.00118088	0.00115785	0.00679537	0.01030674	0.00686697	0.00737937	0.0068956	
0.08406039	0.06842685	0.07585368	0.07620435	0.00118966	0.0011809	0.00115807	0.00679448	0.01033101	0.00686695	0.00737909	0.00689542	
0.08445754	0.06873027	0.07641434	0.07675516	0.00118966	0.00118004	0.00115829	0.00679365	0.01035424	0.00686694	0.00737884	0.00689526	
0.08484011	0.06902591	0.07696538	0.07729623	0.00118966	0.00117917	0.00115885	0.00679288	0.0103765	0.00686692	0.00737862	0.00689512	
0.08520859	0.06931402	0.0775072	0.07782796	0.00118966	0.00117893	0.00115872	0.00679217	0.01039781	0.00686691	0.00737842	0.00689499	
0.08556341	0.06959483	0.07804014	0.07835073	0.00118966	0.00117934	0.00115893	0.00679151	0.01041822	0.0068669	0.00737825	0.00689488	
0.08590504	0.06986854	0.07856455	0.07886491	0.00118966	0.00117993	0.00115914	0.00679091	0.01043777	0.00686689	0.00737809	0.00689478	
0.0862339	0.07013538	0.07908073	0.07937082	0.00118966	0.00118021	0.00115935	0.00679034	0.01045651	0.00686688	0.00737796	0.00689468	
0.08655042	0.07039554	0.07958899	0.07986879	0.00118966	0.00118006	0.00115956	0.00678982	0.01047446	0.00686687	0.00737784	0.0068946	
0.08685501	0.07064922	0.08008963	0.08035913	0.00118966	0.00117969	0.00115977	0.00678933	0.01049165	0.00686686	0.00737773	0.00689453	
0.08714809	0.0708966	0.08058291	0.08084211	0.00118966	0.00117945	0.00115998	0.00678889	0.01050813	0.00686685	0.00737763	0.00689447	
0.08743005	0.07113786	0.0810691	0.08131803	0.00118966	0.00117947	0.00116018	0.00678847	0.01052392	0.00686684	0.00737755	0.00689441	
0.08770127	0.07137319	0.08154844	0.08178713	0.00118966	0.00117967	0.00116039	0.00678809	0.01053905	0.00686684	0.00737748	0.00689436	
0.08796213	0.07160274	0.08202117	0.08224966	0.00118966	0.00117986	0.00116059	0.00678773	0.01055356	0.00686683	0.00737741	0.00689431	
0.08821299	0.07182668	0.08248752	0.08270587	0.00118966	0.0011799	0.00116079	0.0067874	0.01056746	0.00686683	0.00737735	0.00689427	
0.08845421	0.07204516	0.08292469	0.08315596	0.00118966	0.00117798	0.00116099	0.0067871	0.01058078	0.00686682	0.00737373	0.00689423	
0.08868614	0.07225834	0.0834019	0.08360017	0.00118966	0.00117966	0.00116119	0.00678681	0.01059356	0.00686682	0.00737725	0.0068942	
0.08890909	0.07246636	0.08385034	0.08403868	0.00118966	0.00117961	0.00116139	0.00678655	0.0106058	0.00686681	0.00737721	0.00689417	
0.08912341	0.07266936	0.0842932	0.0844717	0.00118966	0.00117965	0.00116159	0.00678631	0.01061754	0.00686681	0.00737718	0.00689414	
0.0893294	0.07286747	0.08473066	0.08489941	0.00118966	0.00117973	0.00116179	0.00678608	0.01062879	0.00686681	0.00737714	0.00689412	
0.08952736	0.07306084	0.08516287	0.08532199	0.00118966	0.00117979	0.00116198	0.00678587	0.01063958	0.0068668	0.00737711	0.0068941	
0.0897176	0.07324958	0.08559002	0.08573959	0.00118966	0.00117978	0.00116217	0.00678568	0.01064993	0.0068668	0.00737709	0.00689408	
0.0899004	0.07343383	0.08601226	0.08615239	0.00118966	0.00117973	0.00116237	0.0067855	0.01065985	0.0068668	0.00737707	0.00689406	
0.09007603	0.07361369	0.08642973	0.08656054	0.00118966	0.00117969	0.00116256	0.00678534	0.01066936	0.0068668	0.00737705	0.00689405	
0.09024476	0.07378929	0.08684257	0.08696417	0.00118966	0.00117968	0.00116275	0.00678518	0.01067848	0.00686679	0.00737703	0.00689403	
0.09040685	0.07396073	0.08725093	0.08736344	0.00118966	0.00117971	0.00116294	0.00678504	0.01068723	0.00686679	0.00737701	0.00689402	
0.09056255	0.07412813	0.08765494	0.08775848	0.00118966	0.00117974	0.00116313	0.00678491	0.01069562	0.00686679	0.007377	0.00689401	
0.0907121	0.07429159	0.08805472	0.08814941	0.00118966	0.00117975	0.00116332	0.00678479	0.01070366	0.00686679	0.00737699	0.006894	
0.09085573	0.07445121	0.08845039	0.08853635	0.00118966	0.00117974	0.0011635	0.00678468	0.01071138	0.00686679	0.00737698	0.00689399	
0.09099367	0.0746071	0.08884207	0.08891943	0.00118966	0.00117972	0.00116369	0.00678457	0.01071878	0.00686679	0.00737697	0.00689398	
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0.09125334	0.07490803	0.08961389	0.08967443	0.00118966	0.00117971	0.00116406	0.00678439	0.01073268	0.00686678	0.00737695	0.00689397	
0.09137548	0.07505326	0.08999425	0.09004656	0.00118966	0.00117972	0.00116424	0.0067843	0.01073921	0.00686678	0.00737694	0.00689397	
0.09149274	0.07519511	0.09037103	0.09041525	0.00118966	0.00117973	0.00116442	0.00678423	0.01074547	0.00686678	0.00737694	0.00689396	
0.09160533	0.07533368	0.09074433	0.09078058	0.00118966	0.00117973	0.0011646	0.00678416	0.01075148	0.00686678	0.00737693	0.00689396	
0.09171342	0.07546904	0.09111424	0.09114266	0.00118966	0.00117972	0.00116478	0.00678409	0.01075724	0.00686678	0.00737693	0.00689395	
0.09181719	0.07560128	0.09148085	0.09150156	0.00118966	0.00117972	0.00116496	0.00678403	0.01076277	0.00686678	0.00737692	0.00689395	
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0.09201241	0.07585669	0.0922045	0.09221017	0.00118966	0.00117972	0.00116531	0.00678392	0.01077316	0.00686678	0.00737692	0.00689394	
0.09210419	0.07598001	0.0925617	0.09256004	0.00118966	0.00117972	0.00116549	0.00678387	0.01077804	0.00686678	0.00737691	0.00689394	
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0.09265111	0.07676786	0.09498241	0.09493284	0.00118966	0.00117972	0.00116668	0.00678362	0.01080707	0.00686678	0.0073769	0.00689393	
0.09271714	0.07687041	0.09531761	0.09526168	0.00118966	0.00117972	0.00116685	0.00678359	0.01081057	0.00686677	0.0073769	0.00689393	
0.09278051	0.07697063	0.09565034	0.09558815	0.00118966	0.00117972	0.00116702	0.00678357	0.01081393	0.00686677	0.0073769	0.00689393	
0.09284132	0.07706859	0.09598064	0.09591232	0.00118966	0.00117972	0.00116718	0.00678355	0.01081716	0.00686677	0.0073769	0.00689393	
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0.09295563	0.07725793	0.09663419	0.09655391	0.00118966	0.00117972	0.00116751	0.00678351	0.01082322	0.00686677	0.0073769	0.00689393	
0.09300934	0.0773494	0.09695753	0.09687144	0.00118966	0.00117972	0.00116767	0.00678349	0.01082606	0.00686677	0.0073769	0.00689393	
0.09306087	0.0774382	0.09727865	0.09718685	0.00118966	0.00117972	0.00116783	0.00678347	0.0108288	0.00686677	0.00737689	0.00689392	
0.0931103	0.07752624	0.09759758	0.09750018	0.00118966	0.00117972	0.00116799	0.00678346	0.01083142	0.00686677	0.00737689	0.00689392	
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0.09340442	0.07808569	0.09977255	0.0996387	0.00118966	0.00117972	0.00116909	0.00678338	0.01084703	0.00686677	0.00737689	0.00689392	
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0.09389561	0.07927487	0.10551495	0.10529938	0.00118966	0.00117972	0.001172	0.00678329	0.01087324	0.00686677	0.00737689	0.00689392	
0.093911	0.07932154	0.10578631	0.10556738	0.00118966	0.00117972	0.00117213	0.00678329	0.01087406	0.00686677	0.00737689	0.00689392	
0.09392576	0.07936718	0.10605634	0.10583409	0.00118966	0.00117972	0.00117227	0.00678329	0.01087486	0.00686677	0.00737689	0.00689392	
0.09393992	0.07941183	0.10632504	0.10609953	0.00118966	0.00117972	0.00117241	0.00678328	0.01087562	0.00686677	0.00737689	0.00689392	
0.0939535	0.0794555	0.10659243	0.10636372	0.00118966	0.00117972	0.00117254	0.00678328	0.01087635	0.00686677	0.00737689	0.00689392	
0.09396652	0.07949821	0.10685853	0.10662667	0.00118966	0.00117972	0.00117267	0.00678328	0.01087705	0.00686677	0.00737689	0.00689392	
0.093979	0.07953999	0.10712335	0.1068884	0.00118966	0.00117972	0.00117281	0.00678328	0.01087773	0.00686677	0.00737689	0.00689392	
0.09399098	0.07958085	0.10738691	0.10714892	0.00118966	0.00117972	0.00117294	0.00678328	0.01087837	0.00686677	0.00737689	0.00689392	
0.09400246	0.07962083	0.10764923	0.10740824	0.00118966	0.00117972	0.00117307	0.00678328	0.01087899	0.00686677	0.00737689	0.00689392	
0.09401347	0.07965993	0.10791032	0.10766639	0.00118966	0.00117972	0.00117321	0.00678328	0.01087959	0.00686677	0.00737689	0.00689392	
0.09402403	0.07969817	0.1081702	0.10792337	0.00118966	0.00117972	0.00117333	0.00678328	0.01088016	0.00686677	0.00737689	0.00689392	
0.09403416	0.07973558	0.10842888	0.10817921	0.00118966	0.00117972	0.00117346	0.00678328	0.01088071	0.00686677	0.00737689	0.00689392	
0.09404387	0.07977218	0.10868638	0.1084339	0.00118966	0.00117972	0.00117358	0.00678328	0.01088123	0.00686677	0.00737689	0.00689392	
0.09405319	0.07980798	0.1089427	0.10868746	0.00118966	0.00117972	0.00117371	0.00678327	0.01088174	0.00686677	0.00737689	0.00689392	
0.09406212	0.07984299	0.10919787	0.10893992	0.00118966	0.00117972	0.00117384	0.00678327	0.01088222	0.00686677	0.00737689	0.00689392	
0.09407069	0.07987725	0.1094519	0.10919127	0.00118966	0.00117972	0.00117396	0.00678327	0.01088269	0.00686677	0.00737689	0.00689392	
0.0940789	0.07991076	0.10970479	0.10944153	0.00118966	0.00117972	0.00117409	0.00678327	0.01088313	0.00686677	0.00737689	0.00689392	
0.09408678	0.07994354	0.10995657	0.10969072	0.00118966	0.00117972	0.00117421	0.00678327	0.01088356	0.00686677	0.00737689	0.00689392	
0.09409433	0.07997561	0.11020724	0.10993884	0.00118966	0.00117972	0.00117434	0.00678327	0.01088397	0.00686677	0.00737689	0.00689392	
0.09410157	0.08000698	0.11045681	0.11018589	0.00118966	0.00117972	0.00117446	0.00678327	0.01088437	0.00686677	0.00737689	0.00689392	
0.09410852	0.08003767	0.11070531	0.11043192	0.00118966	0.00117972	0.00117458	0.00678327	0.01088474	0.00686677	0.00737689	0.00689392	
0.09411518	0.08006769	0.11095273	0.11067691	0.00118966	0.00117972	0.0011747	0.00678327	0.01088511	0.00686677	0.00737689	0.00689392	
0.09412157	0.08009706	0.1111991	0.11092087	0.00118966	0.00117972	0.00117482	0.00678327	0.01088546	0.00686677	0.00737689	0.00689392	
0.0941277	0.08012579	0.11144441	0.11116382	0.00118966	0.00117972	0.00117494	0.00678327	0.01088579	0.00686677	0.00737689	0.00689392	
0.09413357	0.0801539	0.11168869	0.11140576	0.00118966	0.00117972	0.00117506	0.00678327	0.01088611	0.00686677	0.00737689	0.00689392	
0.0941392	0.0801814	0.11193194	0.11164672	0.00118966	0.00117972	0.00117518	0.00678327	0.01088642	0.00686677	0.00737689	0.00689392	
0.0941446	0.0802083	0.11217417	0.11188669	0.00118966	0.00117972	0.0011753	0.00678327	0.01088672	0.00686677	0.00737689	0.00689392	
0.09414978	0.08023462	0.1124154	0.11212568	0.00118966	0.00117972	0.00117542	0.00678327	0.010887	0.00686677	0.00737689	0.00689392	
0.09415475	0.08026037	0.11265563	0.11236371	0.00118966	0.00117972	0.00117554	0.00678327	0.01088727	0.00686677	0.00737689	0.00689392	
0.09415951	0.08028556	0.11289487	0.11260078	0.00118966	0.00117972	0.00117565	0.00678327	0.01088753	0.00686677	0.00737689	0.00689392	
0.09416408	0.08031021	0.1131314	0.11283689	0.00118966	0.00117972	0.00117577	0.00678327	0.01088778	0.00686677	0.00737689	0.00689392	
0.09416846	0.08033432	0.11337043	0.11307209	0.00118966	0.00117972	0.00117588	0.00678327	0.01088803	0.00686677	0.00737689	0.00689392	
0.09417266	0.08035791	0.11360677	0.11330634	0.00118966	0.00117972	0.001176	0.00678327	0.01088826	0.00686677	0.00737689	0.00689392	
0.09417669	0.08038099	0.11384215	0.11353967	0.00118966	0.00117972	0.00117611	0.00678327	0.01088848	0.00686677	0.00737689	0.00689392	
0.09418055	0.08040357	0.11407659	0.11377208	0.00118966	0.00117972	0.00117622	0.00678327	0.01088869	0.00686677	0.00737689	0.00689392	
0.09418425	0.08042566	0.1143101	0.11400359	0.00118966	0.00117972	0.00117633	0.00678327	0.0108889	0.00686677	0.00737689	0.00689392	
0.09418781	0.08044728	0.1145269	0.11423422	0.00118966	0.00117972	0.00117645	0.00678327	0.01088909	0.00686677	0.00737689	0.00689392	
0.09419121	0.08046842	0.11477435	0.11446392	0.00118966	0.00117972	0.00117656	0.00678327	0.01088928	0.00686677	0.00737689	0.00689392	
0.09419448	0.08048911	0.11500511	0.11469275	0.00118966	0.00117972	0.00117667	0.00678327	0.01088946	0.00686677	0.00737689	0.00689392	
0.09419761	0.08050936	0.11523497	0.11492071	0.00118966	0.00117972	0.00117678	0.00678327	0.01088963	0.00686677	0.00737689	0.00689392	
0.09420061	0.08052916	0.11546393	0.1151478	0.00118966	0.00117972	0.00117688	0.00678327	0.0108898	0.00686677	0.00737689	0.00689392	
0.09420349	0.08054854	0.115692	0.11537402	0.00118966	0.00117972	0.00117699	0.00678327	0.01088996	0.00686677	0.00737689	0.00689392	
0.09420625	0.0805675	0.11591932	0.11559939	0.00118966	0.00117972	0.00117771	0.00678327	0.01089011	0.00686677	0.00737689	0.00689392	
0.0942089	0.08058605	0.11614553	0.11582391	0.00118966	0.00117972	0.00117721	0.00678327	0.01089026	0.00686677	0.00737689	0.00689392	
0.09421144	0.0806042	0.11637099	0.11604759	0.00118966	0.00117972	0.00117731	0.00678327	0.0108904	0.00686677	0.00737689	0.00689392	
0.09421387	0.08062196	0.1165956	0.11627043	0.00118966	0.00117972	0.00117742	0.00678327	0.01089054	0.00686677	0.00737689	0.00689392	
0.09421621	0.08063934	0.11681936	0.11649244	0.00118966	0.00117972	0.00117752	0.00678327	0.01089067	0.00686677	0.00737689	0.00689392	
0.09421845	0.08065634

0.09423174	0.08076553	0.11857961	0.11823945	0.00118966	0.00117972	0.00117834	0.00678327	0.01089154	0.00686677	0.00737689	0.00689392
0.09423334	0.08077981	0.11879601	0.11845428	0.00118966	0.00117972	0.00117844	0.00678327	0.01089163	0.00686677	0.00737689	0.00689392
0.09423487	0.08079378	0.11901163	0.11866834	0.00118966	0.00117972	0.00117854	0.00678327	0.01089171	0.00686677	0.00737689	0.00689392
0.09423635	0.08080746	0.11922646	0.11888163	0.00118966	0.00117972	0.00117864	0.00678327	0.01089179	0.00686677	0.00737689	0.00689392
0.09423776	0.08082084	0.11944052	0.11909417	0.00118966	0.00117972	0.00117874	0.00678327	0.01089187	0.00686677	0.00737689	0.00689392
0.09423911	0.08083393	0.11965381	0.11930595	0.00118966	0.00117972	0.00117884	0.00678327	0.01089195	0.00686677	0.00737689	0.00689392
0.09424041	0.08084674	0.11986634	0.11951698	0.00118966	0.00117972	0.00117893	0.00678327	0.01089202	0.00686677	0.00737689	0.00689392
0.09424165	0.08085928	0.12007811	0.11972727	0.00118966	0.00117972	0.00117903	0.00678327	0.01089209	0.00686677	0.00737689	0.00689392
0.09424284	0.08087155	0.12028912	0.11993682	0.00118966	0.00117972	0.00117913	0.00678327	0.01089216	0.00686677	0.00737689	0.00689392
0.09424399	0.08088355	0.12049939	0.12014564	0.00118966	0.00117972	0.00117922	0.00678327	0.01089223	0.00686677	0.00737689	0.00689392
0.09424508	0.08089529	0.12070892	0.12035373	0.00118966	0.00117972	0.00117932	0.00678327	0.01089229	0.00686677	0.00737689	0.00689392
0.09424614	0.08090679	0.1209177	0.12056109	0.00118966	0.00117972	0.00117941	0.00678327	0.01089235	0.00686677	0.00737689	0.00689392
0.09424714	0.08091803	0.12112576	0.12076774	0.00118966	0.00117972	0.0011795	0.00678327	0.0108924	0.00686677	0.00737689	0.00689392
0.09424811	0.08092903	0.12133308	0.12097367	0.00118966	0.00117972	0.0011796	0.00678327	0.01089246	0.00686677	0.00737689	0.00689392

Series of rem. GARCH Models

	DJACe11gedF	DJACe12gedF	DJACe11stdF	DJACe12stdF	DJACe11norF	DJACe12norF	DJACe21norF	DJALs11gedF	DJALe11gedF	DJALe12gedF	DJALc11gedF	DJALe11stdF	DJALg11stdF	DJALe11norF	DJALe12norF	DJCCe11gedF	DJCCe12gedF	DJCCs11stdF	DJCCe11stdF	DJCFe22gedF	DJCFe12gedF	DJCFg21gedF	DJCFe21stdF	DJCFe11norF
T+1	-0.0005175	-0.0005265	-0.0005126	-0.0005077	-0.0004109	-0.0004167	-0.0004524	-0.0007813	-0.0009226	-0.0010367	-0.0011819	-0.0001276	-0.0002939	-8.99E-05	-0.0001578	0.00038606	0.00039057	-0.0003789	-0.0003124	-0.0024088	-0.0022829	-0.0022977	-0.0021028	-0.0005156
T+2	0	0	0	0	0	0	0	-0.0003307	-0.0002293	-0.0003508	-0.0003508	-0.0007262	-0.0007128	-0.0003302	-0.0003093	0.0019241	0.00192411	0.00218704	0.00217224	-0.0015779	-0.0016165	-0.0016083	-0.0012809	-0.0006135
T+3	0	0	0	0	0	0	0	-2.33E-05	-9.13E-05	-0.0001237	-0.0001529	0.00018433	0.00012322	1.63E-05	-1.70E-05	0.00022137	0.00022197	0.00015884	0.00016684	-0.0011362	-0.0012015	-0.0011993	-0.0008487	-0.00017
T+4	0	0	0	0	0	0	0	-7.59E-05	-1.45E-05	-4.84E-05	-2.62E-05	-0.0005256	-0.0004654	-0.0001953	-0.0001858	0.00015936	0.00015942	0.0001973	0.00019537	-0.0008182	-0.0008931	-0.0008943	-0.0005623	-4.71E-05
T+5	0	0	0	0	0	0	0	4.51E-05	-1.10E-05	-2.34E-05	-2.73E-05	0.00030805	0.00026375	5.77E-05	3.77E-05	3.18E-05	3.19E-05	3.05E-05	3.12E-05	-0.0005891	-0.0006638	-0.0006668	-0.0003725	-1.30E-05
T+6	0	0	0	0	0	0	0	-5.37E-05	3.51E-07	-1.50E-05	4.29E-06	-0.0004441	-0.0003796	-0.0001377	-0.0001239	1.46E-05	1.46E-05	1.92E-05	1.90E-05	-0.0004242	-0.0004934	-0.0004973	-0.0002468	-3.61E-06
T+7	0	0	0	0	0	0	0	5.03E-05	-1.83E-06	-1.22E-05	-8.41E-06	0.00035642	0.00031006	6.99E-05	5.52E-05	3.73E-06	3.74E-06	4.23E-06	4.28E-06	-0.0003055	-0.0003668	-0.0003708	-0.0001635	-1.00E-06
T+8	0	0	0	0	0	0	0	-5.06E-05	4.96E-07	-1.12E-05	4.36E-06	-0.0004103	-0.0003487	-0.0001042	-9.05E-05	1.41E-06	1.42E-06	1.98E-06	1.96E-06	-0.00022	-0.0002726	-0.0002765	-0.0001083	-2.77E-07
T+9	0	0	0	0	0	0	0	4.98E-05	-4.10E-07	-1.08E-05	-3.78E-06	0.00037462	0.00032427	6.96E-05	5.74E-05	4.08E-07	4.09E-07	5.28E-07	5.30E-07	-0.0001584	-0.0002026	-0.0002062	-7.18E-05	-7.69E-08
T+10	0	0	0	0	0	0	0	-4.93E-05	1.77E-07	-1.05E-05	2.56E-06	-0.0003956	-0.0003367	-8.29E-05	-7.05E-05	1.42E-07	1.42E-07	2.12E-07	2.10E-07	-0.0001141	-0.0001506	-0.0001537	-4.76E-05	-2.13E-08
T+11	0	0	0	0	0	0	0	4.87E-05	-1.08E-07	-1.04E-05	-1.94E-06	0.00038075	0.00032755	6.42E-05	5.35E-05	4.34E-08	4.35E-08	6.28E-08	6.27E-08	-8.21E-05	-0.000112	-0.0001146	-3.15E-05	-5.90E-09
T+12	0	0	0	0	0	0	0	-4.82E-05	5.39E-08	-1.03E-05	1.39E-06	-0.0003886	-0.000331	-6.81E-05	-5.72E-05	1.45E-08	1.45E-08	2.33E-08	2.30E-08	-5.91E-05	-8.32E-05	-8.55E-05	-2.09E-05	-1.63E-09
T+13	0	0	0	0	0	0	0	4.76E-05	-3.00E-08	-1.02E-05	-1.02E-06	0.00038205	0.00032713	5.72E-05	4.77E-05	4.55E-09	4.56E-09	7.29E-09	7.25E-09	-4.26E-05	-6.19E-05	-6.38E-05	-1.38E-05	-4.53E-10
T+14	0	0	0	0	0	0	0	-4.71E-05	1.58E-08	-1.01E-05	7.45E-07	-0.0003846	-0.0003275	-5.70E-05	-4.75E-05	1.49E-09	1.49E-09	2.59E-09	2.56E-09	-3.07E-05	-4.60E-05	-4.75E-05	-9.16E-06	-1.26E-10
T+15	0	0	0	0	0	0	0	4.65E-05	-8.54E-09	-9.96E-06	-5.45E-07	0.00038143	0.00032545	5.00E-05	4.16E-05	4.74E-10	4.75E-10	8.37E-10	8.30E-10	-2.21E-05	-3.42E-05	-3.54E-05	-6.07E-06	-3.48E-11
T+16	0	0	0	0	0	0	0	-4.60E-05	4.55E-09	-9.85E-06	3.98E-07	-0.0003819	-0.0003248	-4.82E-05	-4.00E-05	1.54E-10	1.54E-10	2.90E-10	2.86E-10	-1.59E-05	-2.54E-05	-2.64E-05	-4.02E-06	-9.63E-12
T+17	0	0	0	0	0	0	0	4.55E-05	-2.45E-09	-9.74E-06	-2.91E-07	0.00038003	0.00032335	4.34E-05	3.59E-05	4.93E-11	4.94E-11	9.55E-11	9.44E-11	-1.14E-05	-1.89E-05	-1.97E-05	-2.67E-06	-2.67E-12
T+18	0	0	0	0	0	0	0	-4.50E-05	1.31E-09	-9.64E-06	2.12E-07	-0.0003796	-0.0003224	-4.11E-05	-3.39E-05	1.59E-11	1.60E-11	3.27E-11	3.22E-11	-8.24E-06	-1.40E-05	-1.47E-05	-1.77E-06	-7.40E-13
T+19	0	0	0	0	0	0	0	4.45E-05	-7.03E-10	-9.54E-06	-1.55E-07	0.00037834	0.00032112	3.75E-05	3.08E-05	5.11E-12	5.13E-12	1.09E-11	1.07E-11	-5.94E-06	-1.04E-05	-1.10E-05	-1.17E-06	-2.05E-13
T+20	0	0	0	0	0	0	0	-4.40E-05	3.77E-10	-9.44E-06	1.13E-07	-0.0003776	-0.00032	-3.51E-05	-2.88E-05	1.65E-12	1.66E-12	3.69E-12	3.62E-12	-4.28E-06	-7.75E-06	-8.17E-06	-7.75E-07	-5.68E-14
T+21	0	0	0	0	0	0	0	4.35E-05	-2.02E-10	-9.34E-06	-8.26E-08	0.00037653	0.00031886	3.23E-05	2.64E-05	5.30E-13	5.32E-13	1.23E-12	1.21E-12	-3.08E-06	-5.76E-06	-6.09E-06	-5.14E-07	-1.57E-14
T+22	0	0	0	0	0	0	0	-4.30E-05	1.08E-10	-9.24E-06	6.03E-08	-0.0003757	-0.0003177	-3.01E-05	-2.45E-05	1.71E-13	1.72E-13	4.17E-13	4.09E-13	-2.22E-06	-4.28E-06	-4.54E-06	-3.40E-07	-4.36E-15
T+23	0	0	0	0	0	0	0	4.25E-05	-5.80E-11	-9.14E-06	-4.40E-08	0.00037467	0.00031659	2.77E-05	2.26E-05	5.50E-14	5.52E-14	1.40E-13	1.37E-13	-1.60E-06	-3.18E-06	-3.39E-06	-2.25E-07	-1.21E-15
T+24	0	0	0	0	0	0	0	-4.20E-05	3.11E-11	-9.04E-06	3.22E-08	-0.0003738	-0.0003155	-2.58E-05	-2.09E-05	1.77E-14	1.78E-14	4.71E-14	4.61E-14	-1.15E-06	-2.37E-06	-2.53E-06	-1.49E-07	-3.34E-16
T+25	0	0	0	0	0	0	0	4.16E-05	-1.67E-11	-8.95E-06	-2.35E-08	0.00037281	0.00031434	2.38E-05	1.96E-05	5.70E-15	5.73E-15	1.58E-14	1.55E-14	-8.28E-07	-1.76E-06	-1.88E-06	-9.90E-08	-9.27E-17
T+26	0	0	0	0	0	0	0	-4.11E-05	8.94E-12	-8.85E-06	1.71E-08	-0.0003719	-0.0003132	-2.21E-05	-1.79E-05	1.84E-15	1.85E-15	5.31E-15	5.22E-15	-5.96E-07	-1.31E-06	-1.41E-06	-6.56E-08	-2.57E-17
T+27	0	0	0	0	0	0	0	4.06E-05	-4.79E-12	-8.76E-06	-1.25E-08	0.00037095	0.0003121	2.04E-05	1.65E-05	5.91E-16	5.94E-16	1.79E-15	1.75E-15	-4.29E-07	-9.72E-07	-1.05E-06	-4.34E-08	-7.11E-18
T+28	0	0	0	0	0	0	0	-4.02E-05	2.57E-12	-8.67E-06	9.14E-09	-0.00037	-0.0003111	-1.90E-05	-1.53E-05	1.90E-16	1.91E-16	6.03E-16	5.88E-16	-3.09E-07	-7.22E-07	-7.81E-07	-2.88E-08	-1.97E-18
T+29	0	0	0	0	0	0	0	3.97E-05	-1.38E-12	-8.57E-06	-6.68E-09	0.0003691	0.00030988	1.76E-05	1.41E-05	6.13E-17	6.16E-17	2.03E-16	1.98E-16	-2.23E-07	-5.37E-07	-5.83E-07	-1.91E-08	-5.46E-19
T+30	0	0	0	0	0	0	0	-3.93E-05	7.38E-13	-8.48E-06	4.88E-09	-0.0003682	-0.0003088	-1.63E-05	-1.30E-05	1.97E-17	1.98E-17	6.83E-17	6.64E-17	-1.60E-07	-3.99E-07	-4.34E-07	-1.26E-08	-1.51E-19
T+31	0	0	0	0	0	0	0	3.88E-05	-3.96E-13	-8.39E-06	-3.56E-09	0.00036725	0.00030767	1.51E-05	1.20E-05	6.35E-18	6.39E-18	2.30E-17	2.23E-17	-1.15E-07	-2.97E-07	-3.24E-07	-8.37E-09	-4.19E-20
T+32	0	0	0	0	0	0	0	-3.84E-05	2.12E-13	-8.30E-06	2.60E-09	-0.0003663	-0.0003066	-1.40E-05	-1.11E-05	2.05E-18	2.06E-18	7.73E-18	7.50E-18	-8.31E-08	-2.21E-07	-2.42E-07	-5.55E-09	-1.16E-20
T+33	0	0	0	0	0	0	0	3.80E-05	-1.14E-13	-8.22E-06	-1.90E-09	0.00036542	0.00030548	1.29E-05	1.03E-05	6.59E-19	6.63E-19	2.60E-18	2.52E-18	-5.98E-08	-1.64E-07	-1.80E-07	-3.67E-09	-3.22E-21
T+34	0	0	0	0	0	0	0	-3.75E-05	6.09E-14	-8.13E-06	1.39E-09	-0.0003645	-0.0003044	-1.20E-05	-9.49E-06	2.12E-19	2.13E-19	8.75E-19	8.47E-19	-4.31E-08	-1.22E-07	-1.34E-07	-2.43E-09	-8.91E-22
T+35	0	0	0	0	0	0	0	3.71E-05	-3.27E-14	-8.04E-06	-1.01E-09	0.00036359	0.0003033	1.11E-05	8.77E-06	6.83E-20	6.87E-20	2.94E-19	2.85E-19	-3.10E-08	-9.06E-08	-1.00E-07	-1.61E-09	-2.47E-22
T+36	0	0	0	0	0	0	0	-3.67E-05	1.75E-14	-7.96E-06	7.39E-10	-0.0003627	-0.0003022	-1.03E-05	-8.11E-06	2.20E-20	2.21E-20	9.91E-20	9.57E-20	-2.23E-08	-6.73E-08	-7.47E-08	-1.07E-09	-6.84E-23
T+37	0	0	0	0	0	0	0	-3.63E-05	-9.39E-15	-7.87E-06	-5.40E-10	0.00036177	0.00030114	9.51E-06	-7.49E-06	7.08E-21	7.11E-21	3.33E-20	3.22E-20	-1.61E-08	-5.00E-08	-5.57E-08	-7.08E-10	-1.90E-23
T+38	0	0	0	0	0	0	0	-3.59E-05	5.03E-15	-7.79E-06	3.94E-10	-0.0003609	-0.0003001	-8.83E-06	-6.92E-06	2.28E-21	2.30E-21	1.12E-20	1.08E-20	-1.16E-08	-3.72E-08	-4.15E-08	-4.69E-10	-5.25E-24
T+39	0	0	0	0	0	0	0	3.55E-05	-2.70E-15	-7.71E-06	-2.88E-10	0.00035996	0.000299	8.18E-06	6.40E-06	7.34E-22	7.39E-22	3.77E-21	3.63E-21	-8.34E-09	-2.76E-08	-3.10E-08	-3.11E-10	-1.46E-24
T+40	0	0	0	0	0	0	0	-3.51E-05	1.45E-15	-7.63E-06	2.10E-10	-0.0003591	-0.0002979	-7.57E-06	-5.91E-06	2.36E-22	2.38E-22	1.27E-21	1.22E-21	-6.01E-09	-2.05E-08	-2.31E-08	-2.06E-10	-4.03E-25
T+41	0	0	0	0	0	0	0	3.47E-05	-7.75E-16	-7.54E-06	-1.53E-10	0.00035816	0.00029686	7.02E-06	5.46E-06	7.61E-23	7.66E-23	4.27E-22	4.10E-22	-4.32E-09	-1.53E-08	-1.72E-08	-1.36E-10	-1.12E-25
T+42	0	0	0	0	0	0	0	-3.43E-05	4.16E-16	-7.46E-06	1.12E-10	-0.0003574	-0.0002958	-6.50E-06	-5.05E-06	2.45E-23	2.47E-23	1.44E-22	1.38E-22	-3.11E-09	-1.14E-08	-1.28E-08	-9.04E-11	-3.09E-26
T+43	0	0	0	0	0	0	0	3.39E-05	-2.23E-16	-7.39E-06	-8.18E-11	0.00035637	0.00029475	6.02E-06	4.66E-06	7.89E-24	7.95E-24	4.84E-23	4.63E-23	-2.24E-09	-8.44E-09	-9.58E-09	-5.98E-11	-8.57E-27
T+44	0	0	0	0	0	0	0	-3.35E-05	1.19E-16	-7.31E-06	5.97E-11	-0.0003555	-0.0002937	-5.58E-06	-4.31E-06	2.54E-24	2.56E-24	1.63E-23	1.56E-23	-1.61E-09	-6.27E-09	-7.14E-09	-3.97E-11	-2.38E-27
T+45	0	0	0	0	0	0	0	3.31E-05	-6.40E-17	-7.23E-06	-4.36E-11	0.00035458	0.00029265	5.17E-06	3.98E-06	8.18E-25	8.24E-25	5.48E-24	5.24E-24	-1.16E-09	-4.66E-09	-5.32E-09	-2.63E-11	-6.58E-28
T+46	0	0	0	0	0	0	0	-3.28E-05	3.43E-17	-7.15E-06	3.18E-11	-0.0003537	-0.0002916	-4.79E-06	-3.68E-06	2.63E-25	2.65E-25	1.84E-24	1.76E-24	-8.37E-10	-3.46E-09	-3.97E-09	-1.74E-11	-1.82E-28
T+47	0	0	0	0	0	0	0	3.24E-05	-1.84E-17	-7.08E-06	-2.33E-11	0.00035281	0.00029056	4.44E-06	3.40E-06	8.48E-26	8.55E-26	6.20E-25	5.91E-25	-6.03E-10	-2.58E-09	-2.96E-09	-1.15E-11	-5.05E-29
T+48	0	0	0	0	0	0	0	-3.20E-05	5.86E-18	-7.00E-06	1.70E-11	-0.0003519	-0.0002895	-4.11E-06	-3.14E-06	2.73E-26	2.75E-26	2.09E-25	1.99E-25	-4.34E-10	-1.91E-09	-2.21E-09	-7.65E-12	-1.40E-29
T+49	0	0	0	0	0	0	0	3.17E-05	-5.29E-18	-6.93E-06	-1.24E-11	0.00035104	0.00028849	3.81E-06	2.90E-06	8.79E-27	8.87E-27	7.02E-26	6.68E-26	-3.13E-10	-1.42E-09	-1.65E-09	-5.07E-12	-3.88E-30
T+50	0	0	0	0	0	0	0	-3.13E-05	2.83E-18	-6.85E-06	9.05E-12	-0.0003502	-0.0002875	-3.53E-06	-2.68E-06	2.83E-27	2.86E-27	2.36E-26	2.24E-26	-2.25E-10	-1.06E-09	-1.23E-09	-3.36E-12	-1.07E-30
T+51	0	0	0	0	0	0	0	3.10E-05	-1.52E-18	-6.78E-06	-6.61E-12	0.00034929	0.00028644	3.27E-06	2.48E-06	9.11E-28	9.19E-28	7.94E-27	7.54E-27	-1.62E-10	-7.86E-10	-9.15E-10	-2.22E-12	-2.98E-31
T+52	0	0	0	0	0	0	0	-3.06E-05	8.14E-19	-6.71E-06	4.83E-12	-0.0003484	-0.0002854	-3.03E-06	-2.29E-06	2.93E-28	2.96E-28	2.67E-27	2.54E-27	-1.17E-10	-5.84E-10	-6.83E-10	-1.47E-12	-8.25E-32
T+53	0	0	0	0	0	0	0	3.03E-05	-4.37E-19	-6.64E-06	-3.53E-12	0.00034754	0.00028844	2.80E-06	2.12E-06	9.45E-29	9.54E-29	8.99E-28	8.52E-28	-8.40E-11	-4.34E-10	-5.09E-10	-9.76E-13	-2.29E-32
T+54	0	0	0	0	0	0	0	-2.99E-05	2.34E-19	-6.57E-06	2.57E-12	-0.0003467	-0.0002834	-2.60E-06	-1.96E-06	3.04E-29	3.07E-29	3.03E-28	2.86E-28	-6.05E-11	-3.23E-10	-3.80E-10	-6.47E-13	-6.33E-33
T+55	0	0	0	0	0	0	0	2.96E-05	-1.25E-19	-6.50E-06	-1.88E-12	0.00034458	0.00028237	2.41E-06	1.81E-06	9.80E-30	9.89E-30	1.02E-28	9.63E-29	-4.36E-11	-2.40E-10	-2.83E-10	-4.29E-13	-1.75E-33
T+56	0	0	0	0	0	0	0	-2.93E-05	6.72E-20	-6.43E-06	1.37E-12	-0.0003449	-0.0002814	-2.23E-06	-1.67E-06	3.15E-30	3.18E-30	3.43E-29	3.23E-29	-3.14E-11	-1.78E-10	-2.11E-10	-2.84E-13	-4.86E-34
T+57	0	0	0	0	0	0	0	2.89E-05	-3.60E-20	-6.36E-06	-1.00E-12	0.00034407	0.00028036	2.06E-06	1.54E-06	1.02E-30	1.03E-30	1.15E-29	1.09E-29	-2.26E-11	-1.33E-10	-1.57E-10	-1.88E-13	-1.35E-34
T+58	0	0	0	0	0	0	0	-2.86E-05	1.93E-20	-6.29E-06	7.32E-13	-0.0003432	-0.0002794	-1.91E-06	-1.43E-06	3.27E-31	3.30E-31	3.88E-30	3.65E-30	-1.63E-11	-9.85E-11	-1.17E-10	-1.25E-13	-3.73E-35
T+59	0	0	0	0	0	0	0	2.83E-05	-1.04E-20	-6.23E-06	-5.34E-13	0.00034235	0.00027836	1.77E-06	-1.32E-06	1.05E-31	1.06E-31	1.30E-30	1.23E-30	-1.17E-11	-7.32E-11	-8.75E-11	-8.26E-14	-1.03E-35
T+60	0	0	0	0	0	0	0	-2.80E-05	5.55E-21	-6.16E-06	3.90E-13	-0.0003415	-0.0002774	-1.64E-06	-1.22E-06	3.39E-32	3.43E-32	4.39E-31	4.13E-31	-8.44E-12	-5.44E-11	-6.53E-11	-5.47E-14	-2.86E-36
T+61	0	0	0	0	0	0	0	2.76E-05	-2.98E-21	-6.10E-06	-2.85E-13	0.00034064	0.00027638	1.52E-06	1.13E-06	1.09E-32	1.10E-32	1.48E-31	1.39E-31	-6.08E-12	-4.05E-11	-4.87E-11	-3.62E-14	-7.93E-37
T+62	0	0	0	0	0	0	0	-2.73E-05	1.60E-21	-6.03E-06	2.08E-13	-0.0003398	-0.0002754	-1.41E-06	-1.04E-06	3.51E-33	3.55E-33	4.97E-32	4.66E-32	-4.37E-12	-3.01E-11	-3.63E-11	-2.40E-14	-2.20E-37
T+63	0	0	0	0	0	0	0	2.70E-05	-8.55E-22	-5.97E-06	-1.52E-13	0.00033893	0.00027441	1.31E-06	9.61E-07	1.13E-33	1.14E-33	1.67E-32	1.57E-32	-3.15E-12	-2.24E-11	-2.71E-11	-1.59E-14	-6.09E-38
T+64	0	0	0	0	0	0	0	-2.67E-05	4.59E-22	-5.90E-06	1.11E-13	-0.0003381	-0.0002734	-1.21E-06	-8.88E-07	3.64E-34	3.68E-34	5.63E-33	5.27E-33	-2.27E-12	-1.66E-11	-2.02E-11	-1.05E-14	-1.69E-38
T+65	0	0	0	0	0	0	0	-2.64E-05	-2.46E-22	-5.83E-06	8.10E-14	-0.0003724	-0.0002701	1.12E-06	-8.21E-07	1.17E-34	1.19E-34	1.89E-33	1.77E-33	-1.63E-12	-1.24E-11	-1.50E-11	-6.99E-15	-4.68E-39
T+66	0	0	0	0	0	0	0	-2.61E-05	1.32E-22	-5.78E-06	5.92E-14	-0.0003364	-0.0002715	-1.04E-06	-7.59E-07	3.78E-35	3.82E-35	6.37E-34	5.95E-34	-1.18E-12	-9.18E-12	-1.12E-11	-4.63E-15	-1.30E-39
T+67	0	0	0	0	0	0	0	2.58E-05	-7.06E-23	-5.72E-06	-4.32E-14	0.00033555	0.00027051	9.61E-07	7.01E-07	1.22E-35	1.23E-35	2.14E-34	2.00E-34	-8.47E-13	-6.82E-12	-8.37E-12	-3.07E-15	-3.59E-40
T+68	0	0	0	0	0	0	0	-2.55E-05	3.79E-23	-5.66E-06	3.15E-14	-0.0003347	-0.0002695	-8.91E-07	-6.48E-07	3.92E-36	3.96E-36	7.21E-35	6.72E-35	-6.10E-13	-5.07E-12	-6.24E-12	-2.03E-15	-9.94E-41
T+69	0	0	0	0	0	0	0	2.52E-05	-2.03E-23	-5.60E-06	-2.30E-14	0.00033387	0.00026858	8.25E-07	5.99E-07	1.26E-36	1.28E-36	2.43E-35	2.26E-35	-4.39E-13	-3.77E-12	-4.65E-12	-1.35E-15	-2.75E-41
T+70	0	0	0	0	0	0	0	-2.50E-05	1.09E-23	-5.54E-06	1.68E-14	-0.0003333	-0.0002676	-7.64E-07	-5.53E-07	4.06E-37	4.11E-37	8.16E-36	7.59E-36	-3.16E-13	-2.80E-12	-3.47E-12	-8.92E-16	-7.63E-42
T+71	0	0	0	0	0	0	0	2.47E-05	-5.83E-24	-5.48E-06	1.23E-14	0.00033222	0.00026667	7.08E-07	5.11E-07	1.31E-37	1.32E-37	2.75E-36	2.55E-36	-2.28E-13	-2.08E-12	-2.59E-12	-5.91E-16	-2.11E-42
T+72	0	0	0	0	0	0	0	-2.44E-05	3.13E-24	-5.42E-06	8.97E-15	-0.0003314	-0.0002657	-6.56E-07	-4.72E-07	4.21E-38	4.26E-38	9.24E-37	8.57E-37	-1.64E-13	-1.55E-12	-1.93E-12	-3.91E-16	-5.86E-43
T+73	0	0	0	0	0	0	0	2.41E-05	-1.68E-24	-5.36E-06	-6.55E-15	0.00033054	0.00026477	6.08E-07	4.36E-07	1.36E-38	1.37E-38	3.11E-37	2.88E-37	-1.18E-13	-1.15E-12	-1.44E-12	-2.59E-16	-1.62E-43
T+74	0	0	0	0	0	0	0	-2.39E-05	8.99E-25	-5.31E-06	4.78E-15	-0.0003297	-0.0002638	-5.63E-07	-4.03E-07	4.36E-39	4.42E-39	1.05E-37	9.68E-38	-8.50E-14	-8.55E-13	-1.07E-12	-1.72E-16	-4.50E-44
T+75	0	0	0	0	0	0	0	2.36E-05	-4.82E-25	-5.25E-06	-3.49E-15	0.00032888	0.00026288	5.21E-07	3.73E-07	1.40E-39	1.42E-39	3.52E-38	3.25E-38	-6.12E-14	-6.36E-13	-8.00E-13	-1.14E-16	-1.25E-44
T+76	0	0	0	0	0	0	0	-2.33E-05	2.58E-25	-5.19E-06	2.55E-15	-0.0003281	-0.0002619	-4.83E-07	-3.44E-07	4.52E-40	4.58E-40	1.18E-38	1.09E-38	-4.41E-14	-4.73E-13	-5.96E-13	-7.54E-17	-3.45E-45
T+77	0	0	0	0	0	0	0	2.31E-05	-1.38E-25	-5.14E-06	-1.86E-15	0.00032724	0.00026101	4.48E-07	3.18E-07	1.46E-40	1.48E-40	3.99E-39	3.68E-39	-3.17E-14	-3.51E-13	-4.45E-13	-5.00E-17	-9.56E-46
T+78	0	0	0	0	0	0	0	-2.28E-05	7.42E-26	-5.08E-06	1.36E-15	-0.0003264	-0.0002601	-4.15E-07	-2.94E-07	4.69E-41	4.75E-41	1.34E-39	1.24E-39	-2.29E-14	-2.61E-13	-3.32E-13	-3.31E-17	-2.65E-46
T+79	0	0	0	0	0	0	0	2.25E-05	-3.98E-26	-5.03E-06	-9.93E-16	0.0003256	0.00025915	3.84E-07	2.72E-07	1.51E-41	1.53E-41	4.51E-40	4.15E-40	-1.65E-14	-1.94E-13	-2.47E-13	-2.19E-17	-7.34E-47
T+80	0	0	0	0	0	0	0	-2.23E-05	2.13E-26	-4.98E-06	7.25E-16	-0.0003248	-0.0002582	-3.56E-07	-2.51E-07	4.86E-42	4.93E-42	1.52E-40	1.40E-40	-1.19E-14	-1.44E-13	-1.84E-13	-1.45E-17	-2.03E-47
T+81	0	0	0	0	0	0	0	2.20E-05	-1.14E-26	-4.92E-06	-5.29E-16	0.00032397	0.00025573	3.30E-07	2.32E-07	1.57E-42	1.59E-42	5.11E-41	4.69E-41	-8.53E-15	-1.07E-13	-1.38E-13	-9.63E-18	-5.64E-48
T+82	0	0	0	0	0	0	0	-2.18E-05	6.13E-27	-4.86E-06	3.86E-16	-0.0003232	-0.0002564	-3.05E-07	-2.14E-07	5.04E-43	5.11E-43	1.72E-41	1.58E-41	-6.15E-15	-7.97E-14	-1.03E-13	-6.38E-18	-1.56E-48
T+83	0	0	0	0	0	0	0	2.15E-05	-3.28E-27	-4.82E-06	-2.82E-16	0.00032235	0.00025547	2.83E-07	1.98E-07	1.62E-43	1.65E-43	5.78E-42	5.30E-42	-4.43E-15	-5.92E-14	-7.65E-14	-4.23E-18	-4.33E-49
T+84	0	0	0	0	0	0	0	-2.13E-05	1.76E-27	-4.77E-06	2.06E-16	-0.0003215	-0.0002546	-2.62E-07	-1.83E-07	5.23E-44	5.30E-44	1.95E-42	1.78E-42	-3.19E-15	-4.40E-14	-5.70E-14	-2.80E-18	-1.20E-49
T+85	0	0	0	0	0	0	0	2.11E-05	-9.44E-28	-4.72E-06	-1.50E-16	0.00032074	0.00025365	2.43E-07	1.69E-07	1.68E-44	1.71E-44	6.55E-43

T+168	0	0	0	0	0	0	0	-8.23E-06	3.16E-50	-1.95E-06	6.97E-28	-0.0002605	-0.0001885	-4.26E-10	-2.41E-10	2.38E-85	2.44E-85	3.57E-82	2.97E-82	-3.34E-27	-6.63E-25	-1.12E-24	-2.69E-33	-1.80E-96
T+169	0	0	0	0	0	0	0	8.13E-06	-1.69E-50	-1.93E-06	-5.09E-28	0.00025981	0.00018784	3.95E-10	2.23E-10	7.65E-86	7.87E-86	1.20E-82	9.97E-83	-2.40E-27	-4.93E-25	-8.38E-25	-1.78E-33	-4.98E-97
T+170	0	0	0	0	0	0	0	-8.04E-06	9.08E-51	-1.91E-06	3.72E-28	-0.0002592	-0.0001872	-3.66E-10	-2.06E-10	2.46E-86	2.54E-86	4.04E-83	3.35E-83	-1.73E-27	-3.66E-25	-6.25E-25	-1.18E-33	-1.38E-97
T+171	0	0	0	0	0	0	0	7.95E-06	-4.87E-51	-1.89E-06	-2.71E-28	0.00025851	0.00018651	3.39E-10	1.90E-10	7.93E-87	8.16E-87	1.36E-83	1.13E-83	-1.25E-27	-2.72E-25	-4.66E-25	-7.82E-34	-3.82E-98
T+172	0	0	0	0	0	0	0	-7.86E-06	2.61E-51	-1.87E-06	1.98E-28	-0.0002579	-0.0001858	-3.14E-10	-1.76E-10	2.55E-87	2.63E-87	4.57E-84	3.78E-84	-8.97E-28	-2.02E-25	-3.48E-25	-5.18E-34	-1.06E-98
T+173	0	0	0	0	0	0	0	7.77E-06	-1.40E-51	-1.85E-06	-1.45E-28	0.00025722	0.00018518	2.91E-10	1.62E-10	8.23E-88	8.47E-88	1.54E-84	1.27E-84	-6.46E-28	-1.50E-25	-2.59E-25	-3.43E-34	-2.93E-99
T+174	0	0	0	0	0	0	0	-7.69E-06	7.50E-52	-1.83E-06	1.06E-28	-0.0002566	-0.0001845	-2.69E-10	-1.50E-10	2.65E-88	2.73E-88	5.18E-85	4.27E-85	-4.65E-28	-1.12E-25	-1.93E-25	-2.27E-34	-8.13E-100
T+175	0	0	0	0	0	0	0	7.60E-06	-4.02E-52	-1.81E-06	-7.72E-29	0.00025593	0.00018386	2.49E-10	1.39E-10	8.53E-89	8.78E-89	1.74E-85	1.44E-85	-3.35E-28	-8.31E-26	-1.44E-25	-1.51E-34	-2.25E-100
T+176	0	0	0	0	0	0	0	-7.51E-06	2.16E-52	-1.79E-06	5.63E-29	-0.0002553	-0.0001832	-2.31E-10	-1.28E-10	2.75E-89	2.83E-89	5.86E-86	4.83E-86	-2.41E-28	-6.18E-26	-1.07E-25	-9.98E-35	-6.24E-101
T+177	0	0	0	0	0	0	0	7.43E-06	-1.16E-52	-1.77E-06	-4.11E-29	0.00025465	0.00018255	2.14E-10	1.18E-10	8.84E-90	9.11E-90	1.97E-86	1.62E-86	-1.74E-28	-4.59E-26	-8.01E-26	-6.61E-35	-1.73E-101
T+178	0	0	0	0	0	0	0	-7.35E-06	6.20E-53	-1.75E-06	3.00E-29	-0.000254	-0.0001819	-1.98E-10	-1.09E-10	2.85E-90	2.93E-90	6.63E-87	5.45E-87	-1.25E-28	-3.41E-26	-5.98E-26	-4.38E-35	-4.79E-102
T+179	0	0	0	0	0	0	0	7.26E-06	-3.32E-53	-1.73E-06	-2.19E-29	0.00025338	0.00018125	1.84E-10	1.01E-10	9.16E-91	9.44E-91	2.23E-87	1.83E-87	-9.01E-29	-2.54E-26	-4.46E-26	-2.90E-35	-1.33E-102
T+180	0	0	0	0	0	0	0	-7.18E-06	1.78E-53	-1.71E-06	1.60E-29	-0.0002527	-0.0001806	-1.70E-10	-9.34E-11	2.95E-91	3.04E-91	7.51E-88	6.16E-88	-6.48E-29	-1.89E-26	-3.32E-26	-1.92E-35	-3.68E-103
T+181	0	0	0	0	0	0	0	7.10E-06	-9.54E-54	-1.70E-06	-1.17E-29	0.00025211	0.00017996	1.58E-10	8.63E-11	9.50E-92	9.79E-92	2.53E-88	2.07E-88	-4.67E-29	-1.40E-26	-2.48E-26	-1.27E-35	-1.02E-103

DJCFe2norF	DJCFe1norF	DJCFe21norF	DJCFp2norF	DJCFp1norF	DJCPe22stdF	DJCPe21stdF	DJCPe1stdF	DJCt12stdF	DJCt11stdF	DJCt21stdF	DJCt22stdF	DJCt12norF	DJCt11norF	DJCt21norF	DJCt22norF	DJNis11stdF	DJNie21stdF	DJNie11norF	DJNie22norF	DJSig12geoF	DJSis11stdF	DJSig11stdF	DJSic11stdF	DJSUs11stdF	DJSUe22stdF	DJSUe21stdF	DJSUg22stdF
-0.001035	-0.0005215	-0.0012272	-0.0005037	-0.0005371	-0.0006337	-0.0007383	-0.0005834	-0.0005659	-0.0006921	-0.0003901	-0.0003766	-0.0003915	-0.0030572	-0.0039877	-0.0011381	-0.0019758	-0.0001077	-0.0001049	-0.0001046	-0.0001121	8.22E-05	4.09E-05	4.16E-05	6.99E-05
-0.0005752	-0.0006036	-0.000801	-0.0006435	-0.0006607	-0.0001281	-0.0002626	-0.0002955	-0.0003143	-0.0003727	-0.0002031	-0.0001906	-0.0002062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-0.000237	-0.0001588	-0.000424	-0.0001502	-0.0001546	-9.38E-06	-2.29E-05	-0.0001497	-0.0001745	-0.0002007	-0.0001058	-9.65E-05	-0.0001086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.77E-05	-4.18E-05	-0.0002245	-3.50E-05	-3.62E-05	-1.23E-06	-4.96E-06	-7.58E-05	-9.69E-05	-0.0001081	-5.51E-05	-4.88E-05	-5.72E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.03E-05	-1.10E-05	-0.0001188	-8.18E-06	-8.47E-06	-1.12E-07	-5.68E-07	-3.84E-05	-5.38E-05	-5.82E-05	-2.87E-05	-2.47E-05	-3.01E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.66E-05	-2.89E-06	-6.29E-05	-1.91E-06	-1.98E-06	-1.28E-08	-9.99E-08	-1.95E-05	-2.99E-05	-3.13E-05	-1.49E-05	-1.25E-05	-1.59E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.84E-06	-7.61E-07	-3.33E-05	-4.45E-07	-4.64E-07	-1.26E-09	-1.30E-08	-9.85E-06	-1.66E-05	-1.69E-05	-7.78E-06	-6.33E-06	-8.35E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.82E-06	-2.00E-07	-1.76E-05	-1.04E-07	-1.09E-07	-1.36E-10	-2.08E-09	-4.99E-06	-9.22E-06	-9.09E-06	-4.05E-06	-3.20E-06	-4.40E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.16E-06	-5.27E-08	-9.33E-06	-2.42E-08	-2.54E-08	-1.39E-11	-2.89E-10	-2.53E-06	-5.12E-06	-4.80E-06	-2.11E-06	-1.62E-06	-2.31E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.78E-07	-1.39E-08	-4.94E-06	-5.65E-09	-5.94E-09	-1.47E-12	-4.42E-11	-1.28E-06	-2.84E-06	-2.63E-06	-1.10E-06	-8.21E-07	-1.22E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.97E-07	-3.65E-09	-2.62E-06	-1.32E-09	-1.39E-09	-1.52E-13	-6.33E-12	-6.49E-07	-1.58E-06	-1.42E-06	-5.72E-07	-4.15E-07	-6.42E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-8.13E-08	-9.59E-10	-1.38E-06	-3.08E-10	-3.25E-10	-1.59E-14	-9.48E-13	-3.29E-07	-8.77E-07	-7.64E-07	-2.98E-07	-2.10E-07	-3.38E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.35E-08	-2.52E-10	-7.33E-07	-7.18E-11	-7.62E-11	-1.66E-15	-1.38E-13	-1.66E-07	-4.87E-07	-4.11E-07	-1.55E-07	-1.06E-07	-1.78E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.38E-08	-6.64E-11	-3.88E-07	-1.68E-11	-1.78E-11	-1.73E-16	-2.04E-14	-8.43E-08	-2.71E-07	-2.22E-07	-8.07E-08	-5.38E-08	-9.37E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.69E-09	-1.75E-11	-2.05E-07	-3.91E-12	-4.17E-12	-1.80E-17	-2.98E-15	-4.27E-08	-1.50E-07	-1.19E-07	-4.20E-08	-2.73E-08	-4.94E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.34E-09	-4.60E-12	-1.09E-07	-9.13E-13	-9.76E-13	-1.88E-18	-4.40E-16	-2.16E-08	-8.35E-08	-6.42E-08	-2.19E-08	-1.38E-08	-2.60E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.66E-10	-1.21E-12	-5.76E-08	-2.13E-13	-2.28E-13	-1.96E-19	-6.45E-17	-1.10E-08	-4.63E-08	-3.46E-08	-1.14E-08	-6.98E-09	-1.37E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.98E-10	-3.18E-13	-3.05E-08	-4.97E-14	-5.35E-14	-2.04E-20	-9.50E-18	-5.55E-09	-2.57E-08	-1.86E-08	-5.93E-09	-3.53E-09	-7.21E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.64E-10	-8.37E-14	-1.61E-08	-1.16E-14	-1.25E-14	-2.13E-21	-1.39E-18	-2.81E-09	-1.43E-08	-1.00E-08	-3.09E-09	-1.79E-09	-3.80E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.76E-11	-2.20E-14	-8.54E-09	-2.71E-15	-2.93E-15	-2.22E-22	-2.05E-19	-1.42E-09	-7.94E-09	-5.40E-09	-1.61E-09	-9.05E-10	-2.00E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.79E-11	-5.80E-15	-4.52E-09	-6.31E-16	-6.85E-16	-2.32E-23	-3.01E-20	-7.21E-10	-4.41E-09	-2.91E-09	-8.38E-10	-4.58E-10	-1.05E-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.15E-11	-1.52E-15	-2.39E-09	-1.47E-16	-1.60E-16	-2.42E-24	-4.43E-21	-3.65E-10	-2.45E-09	-1.57E-09	-4.36E-10	-2.32E-10	-5.54E-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.73E-12	-4.01E-16	-1.27E-09	-3.44E-17	-3.75E-17	-2.52E-25	-6.51E-22	-1.85E-10	-1.36E-09	-8.43E-10	-2.27E-10	-1.17E-10	-2.92E-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.95E-12	-1.06E-16	-6.71E-10	-8.02E-18	-8.78E-18	-2.63E-26	-9.58E-23	-9.37E-11	-7.55E-10	-4.54E-10	-1.18E-10	-5.94E-11	-1.54E-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-8.03E-13	-2.78E-17	-3.55E-10	-1.87E-18	-2.05E-18	-2.74E-27	-1.41E-23	-4.75E-11	-4.19E-10	-2.45E-10	-6.16E-11	-3.01E-11	-8.09E-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.31E-13	-7.31E-18	-1.88E-10	-4.37E-19	-4.84E-19	-2.86E-28	-2.07E-24	-2.40E-11	-2.33E-10	-1.32E-10	-3.21E-11	-1.52E-11	-4.26E-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.36E-13	-1.92E-18	-9.95E-11	-1.02E-19	-1.13E-19	-2.98E-29	-3.04E-25	-1.22E-11	-1.29E-10	-7.09E-11	-1.67E-11	-7.70E-12	-2.24E-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.62E-14	-5.06E-19	-5.27E-11	-2.38E-20	-2.63E-20	-3.11E-30	-4.47E-26	-6.17E-12	-7.19E-11	-3.82E-11	-8.70E-12	-3.90E-12	-1.18E-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.32E-14	-1.33E-19	-2.79E-11	-5.55E-21	-6.16E-21	-3.24E-31	-6.57E-27	-3.12E-12	-3.99E-11	-2.06E-11	-4.53E-12	-1.97E-12	-6.22E-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.55E-15	-3.50E-20	-1.48E-11	-1.29E-21	-1.44E-21	-3.38E-32	-9.67E-28	-1.58E-12	-2.22E-11	-1.11E-11	-2.36E-12	-9.98E-13	-3.28E-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.94E-15	-9.21E-21	-7.81E-12	-3.02E-22	-3.38E-22	-3.53E-33	-1.42E-28	-8.01E-13	-1.23E-11	-5.96E-12	-1.28E-12	-5.05E-13	-1.73E-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.62E-15	-2.42E-21	-4.14E-12	-7.05E-23	-7.90E-23	-3.68E-34	-2.09E-29	-4.06E-13	-6.84E-12	-3.21E-12	-6.39E-13	-2.56E-13	-9.09E-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.68E-16	-6.38E-22	-2.19E-12	-1.64E-23	-1.85E-23	-3.84E-35	-3.07E-30	-2.06E-13	-3.80E-12	-1.73E-12	-3.33E-13	-1.29E-13	-4.78E-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.75E-16	-1.68E-22	-1.16E-12	-3.84E-24	-4.33E-24	-4.00E-36	-4.51E-31	-1.04E-13	-2.11E-12	-9.31E-13	-1.73E-13	-6.55E-14	-2.52E-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.14E-16	-4.41E-23	-6.14E-13	-8.95E-25	-1.01E-24	-4.17E-37	-6.63E-32	-5.28E-14	-1.17E-12	-5.01E-13	-9.03E-14	-3.31E-14	-1.33E-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.68E-17	-1.16E-23	-3.25E-13	-2.09E-25	-2.37E-25	-4.35E-38	-9.75E-33	-2.67E-14	-6.50E-13	-2.70E-13	-4.70E-14	-1.68E-14	-6.99E-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.93E-17	-3.06E-24	-1.72E-13	-4.76E-26	-5.54E-26	-4.54E-39	-1.43E-33	-1.35E-14	-3.61E-13	-1.44E-13	-2.45E-14	-8.49E-15	-3.68E-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.94E-18	-8.04E-25	-9.10E-14	-1.14E-26	-1.30E-26	-4.73E-40	-2.11E-34	-6.86E-15	-2.01E-13	-7.83E-14	-1.27E-14	-4.30E-15	-1.94E-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.27E-18	-2.12E-25	-4.82E-14	-2.65E-27	-3.04E-27	-4.94E-41	-3.10E-35	-3.47E-15	-1.11E-13	-4.22E-14	-6.64E-15	-2.17E-15	-1.02E-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.35E-18	-5.57E-26	-2.55E-14	-6.19E-28	-7.11E-28	-5.15E-42	-4.55E-36	-1.76E-15	-6.19E-14	-2.27E-14	-3.46E-15	-1.10E-15	-5.37E-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.56E-19	-1.46E-26	-1.35E-14	-1.44E-28	-1.66E-28	-5.37E-43	-6.69E-37	-8.91E-16	-3.44E-14	-1.22E-14	-1.80E-15	-5.57E-16	-2.83E-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.29E-19	-3.85E-27	-7.15E-15	-3.37E-29	-3.89E-29	-5.60E-44	-9.84E-38	-4.51E-16	-1.91E-14	-6.58E-15	-9.37E-16	-2.82E-16	-1.49E-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.44E-20	-1.01E-27	-3.78E-15	-7.86E-30	-9.11E-30	-5.84E-45	-1.45E-38	-2.29E-16	-1.06E-14	-3.54E-15	-4.88E-16	-1.43E-16	-7.84E-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.89E-20	-2.67E-28	-2.00E-15	-1.84E-30	-2.13E-30	-6.09E-46	-2.13E-39	-1.16E-16	-5.89E-15	-1.91E-15	-2.54E-16	-7.22E-17	-4.13E-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.60E-20	-7.02E-29	-1.06E-15	-4.28E-31	-4.99E-31	-6.35E-47	-3.13E-40	-5.86E-17	-3.27E-15	-1.03E-15	-1.32E-16	-3.65E-17	-2.18E-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.61E-21	-1.85E-29	-5.62E-16	-9.99E-32	-1.17E-31	-6.62E-48	-4.60E-41	-2.97E-17	-1.82E-15	-5.53E-16	-6.89E-17	-1.85E-17	-1.15E-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.72E-21	-4.86E-30	-2.97E-16	-2.33E-32	-2.73E-32	-6.91E-49	-6.76E-42	-1.50E-17	-1.01E-15	-2.98E-16	-3.59E-17	-9.36E-18	-6.03E-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.12E-21	-1.28E-30	-1.57E-16	-5.44E-33	-6.39E-33	-7.20E-50	-9.93E-43	-7.62E-18	-5.60E-16	-1.60E-16	-1.87E-17	-4.74E-18	-3.18E-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.63E-22	-3.36E-31	-8.33E-17	-1.27E-33	-1.50E-33	-7.51E-51	-1.46E-43	-3.86E-18	-3.11E-16	-8.64E-17	-9.72E-18	-2.40E-18	-1.67E-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.91E-22	-8.85E-32	-4.41E-17	-2.96E-34	-3.50E-34	-7.83E-52	-2.15E-44	-1.96E-18	-1.73E-16	-4.65E-17	-5.06E-18	-1.21E-18	-8.81E-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.86E-23	-2.33E-32	-2.33E-17	-6.91E-35	-8.19E-35	-8.17E-53	-3.15E-45	-9.90E-19	-9.59E-17	-2.51E-17	-2.64E-18	-6.14E-19	-4.64E-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.24E-23	-6.12E-33	-1.24E-17	-1.61E-35	-1.92E-35	-8.52E-54	-4.64E-46	-5.02E-19	-5.33E-17	-1.35E-17	-1.37E-18	-3.11E-19	-2.44E-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.33E-23	-1.61E-33	-6.54E-18	-3.76E-36	-4.49E-36	-8.89E-55	-6.82E-47	-2.54E-19	-2.96E-17	-7.27E-18	-7.15E-19	-1.57E-19	-1.29E-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.50E-24	-4.24E-34	-3.46E-18	-8.78E-37	-1.05E-36	-9.27E-56	-1.00E-47	-1.29E-19	-1.64E-17	-3.91E-18	-3.72E-19	-7.96E-20	-6.77E-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.27E-24	-1.12E-34	-1.83E-18	-2.05E-37	-2.46E-37	-9.66E-57	-1.47E-48	-6.52E-20	-9.12E-18	-2.11E-18	-1.94E-19	-4.03E-20	-3.57E-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.34E-25	-2.93E-35	-9.71E-19	-4.78E-38	-5.75E-38	-1.01E-57	-2.17E-49	-3.30E-20	-5.07E-18	-1.13E-18	-1.01E-19	-2.04E-20	-1.88E-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.85E-25	-7.72E-36	-5.14E-19	-1.12E-38	-1.35E-38	-1.05E-58	-3.18E-50	-1.67E-20	-2.81E-18	-6.11E-19	-5.26E-20	-1.03E-20	-9.89E-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.59E-25	-2.03E-36	-2.72E-19	-2.60E-39	-3.15E-39	-1.10E-59	-4.68E-51	-8.47E-21	-1.56E-18	-3.29E-19	-2.74E-20	-5.22E-21	-5.21E-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.53E-26	-5.34E-37	-1.44E-19	-6.07E-40	-7.37E-40	-1.14E-60	-6.88E-52	-4.29E-21	-8.68E-19	-1.71E-19	-1.43E-20	-2.64E-21	-2.74E-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.69E-26	-1.41E-37	-7.62E-20	-1.42E-40	-1.72E-40	-1.19E-61	-1.01E-52	-2.17E-21	-4.82E-19	-9.54E-20	-7.42E-21	-1.34E-21	-1.44E-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.11E-26	-3.70E-38	-4.04E-20	-3.31E-41	-4.04E-41	-1.24E-62	-1.49E-53	-1.10E-21	-2.68E-19	-5.14E-20	-3.86E-21	-6.77E-22	-7.60E-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.57E-27	-9.73E-39	-2.14E-20	-7.71E-42	-9.44E-42	-1.30E-63	-2.19E-54	-5.58E-22	-1.49E-19	-2.77E-20	-2.01E-21	-3.43E-22	-4.00E-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.88E-27	-2.56E-39	-1.13E-20	-1.80E-42	-2.21E-42	-1.35E-64	-3.21E-55	-2.82E-22	-8.26E-20	-1.49E-20	-1.05E-21	-1.73E-22	-2.11E-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.77E-28	-6.74E-40	-5.99E-21	-4.20E-43	-5.17E-43	-1.41E-65	-4.72E-56	-1.43E-22	-4.59E-20	-8.02E-21	-5.46E-22	-8.78E-23	-1.11E-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.20E-28	-1.77E-40	-3.17E-21	-8.40E-44	-1.21E-43	-1.47E-66	-6.94E-57	-7.25E-23	-2.55E-20	-4.32E-21	-2.84E-22	-4.44E-23	-5.85E-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.32E-28	-4.66E-41	-1.68E-21	-2.29E-44	-2.83E-44	-1.53E-67	-1.02E-57	-3.67E-23	-1.41E-20	-2.33E-21	-1.48E-22	-2.25E-23	-3.08E-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.44E-29	-1.23E-41	-8.88E-22	-5.34E-45	-6.63E-45	-1.60E-68	-1.50E-58	-1.86E-23	-7.86E-21	-1.25E-21	-7.70E-23	-1.14E-23	-1.62E-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.24E-29	-3.23E-42	-4.70E-22	-1.24E-45	-1.55E-45	-1.67E-69	-2.21E-59	-9.42E-24	-4.36E-21	-6.74E-22	-4.01E-23	-5.76E-24	-8.54E-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.23E-30	-8.49E-43	-2.49E-22	-2.90E-46	-3.63E-46	-1.74E-70	-3.24E-60	-4.77E-24	-2.42E-21	-3.63E-22	-2.09E-23	-2.92E-24	-4.50E-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.80E-30	-2.23E-43	-1.32E-22	-6.78E-47	-8.49E-47	-1.81E-71	-4.77E-61	-2.42E-24	-1.35E-21	-1.96E-22	-1.09E-23	-1.48E-24	-2.37E-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.57E-30	-5.88E-44	-6.97E-23	-1.58E-47	-1.99E-47	-1.89E-72	-7.00E-62	-1.22E-24	-7.47E-22	-1.05E-22	-5.66E-24	-7.47E-25	-1.25E-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.46E-31	-1.55E-44	-3.69E-23	-3.69E-48	-4.65E-48	-1.97E-73	-1.03E-62	-6.20E-25	-4.15E-22	-5.67E-23	-2.95E-24	-3.78E-25	-6.56E-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.66E-31	-4.07E-45	-1.95E-23	-8.61E-49	-1.09E-48	-2.06E-74	-1.51E-63	-3.14E-25	-2.31E-22	-3.05E-23	-1.54E-24	-1.91E-25	-3.46E-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.10E-31	-1.07E-45	-1.03E-23	-2.01E-49	-2.55E-49	-2.15E-75	-2.23E-64	-1.59E-25	-1.28E-22	-1.64E-23	-7.99E-25	-9.68E-26	-1.82E-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.52E-32	-2.82E-46	-5.48E-24	-4.69E-50	-5.96E-50	-2.24E-76	-3.27E-65	-8.06E-26	-7.11E-23	-8.86E-24	-4.16E-25	-4.90E-26	-9.59E-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.86E-32	-7.41E-47	-2.90E-24	-1.09E-50	-1.40E-50	-2.33E-77	-4.81E-66	-4.08E-26	-3.95E-23	-4.77E-24	-2.17E-25	-2.48E-26	-5.05E-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.68E-33	-1.95E-47	-1.54E-24	-2.55E-51	-3.26E-51	-2.43E-78	-7.07E-67	-2.07E-26	-2.19E-23	-2.57E-24	-1.13E-25	-1.26E-26	-2.66E-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.16E-33	-5.13E-48	-8.13E-25	-5.96E-52	-7.64E-52	-2.54E-79	-1.04E-67	-1.05E-26	-1.22E-23	-1.38E-24	-5.88E-26	-6.35E-27	-1.40E-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.30E-33	-1.35E-48	-4.30E-25	-1.39E-52	-1.79E-52	-2.65E-80	-1.53E-68	-5.30E-27	-6.76E-24	-7.45E-25	-3.06E-26	-3.22E-27	-7.37E-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.37E-34	-3.55E-49	-2.28E-25	-3.24E-53	-4.18E-53	-2.76E-81	-2.25E-69	-2.69E-27	-3.76E-24	-4.01E-25	-1.59E-26	-1.63E-27	-3.88E-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.21E-34	-9.35E-50	-1.21E-25	-7.57E-54	-9.79E-54	-2.88E-82	-3.30E-70	-1.36E-27	-2.09E-24	-2.16E-25	-8.30E-27	-8.24E-28	-2.04E-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.13E-35	-2.46E-50	-8.38E-26	-1.77E-55	-2.29E-54	-3.00E-83	-4.85E-71	-6.89E-28	-1.16E-24	-1.16E-25	-4.24E-27	-4.17E-28	-1.08E-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.76E-35	-6.47E-51	-3.38E-26	-4.12E-55	-5.36E-55	-3.13E-84	-7.13E-72	-3.49E-28	-6.43E-25	-6.26E-26	-2.25E-27	-2.11E-28	-5.67E-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.55E-35	-1.70E-51	-1.79E-26	-9.61E-56	-1.25E-55	-3.27E-85	-1.05E-72	-1.77E-28	-3.57E-25	-3.37E-26	-1.17E-27	-1.07E-28	-2.98E-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.39E-36	-4.48E-52	-9.47E-27	-2.24E-56	-2.94E-56	-3.41E-86	-1.54E-73	-8.96E-29	-1.98E-25	-1.82E-26	-6.10E-28	-5.40E-29	-1.57E-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.63E-36	-1.18E-52	-5.01E-27	-5.23E-57	-6.87E-57	-3.55E-87	-2.27E-74	-4.54E-29	-1.10E-25	-9.78E-27	-3.18E-28	-2.74E-29	-8.28E-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.08E-36	-3.10E-53	-2.65E-27	-1.22E-57	-1.61E-57	-3.70E-88	-3.33E-75	-2.30E-29	-6.12E-26	-5.26E-27	-1.65E-28	-1.38E-29	-4.36E-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.47E-37	-8.16E-54	-1.40E-27	-2.85E-58	-3.76E-58	-3.86E-89	-4.90E-76	-1.16E-29	-3.40E-26	-2.83E-27	-8.61E-29	-7.01E

-7.10E-68	-3.32E-100	-1.12E-49	-7.82E-109	-1.31E-108	-1.11E-167	-1.19E-142	-2.71E-53	-1.25E-46	-8.84E-49	-1.83E-51	-1.53E-53	-1.20E-50	0	0	0	0	0	0	0	0	0	0	0
-2.92E-68	-8.74E-101	-5.92E-50	-1.82E-109	-3.06E-109	-1.16E-168	-1.75E-143	-1.38E-53	-6.96E-47	-4.76E-49	-9.54E-52	-7.75E-54	-6.31E-51	0	0	0	0	0	0	0	0	0	0	0
-1.21E-68	-2.30E-101	-3.14E-50	-4.26E-110	-7.15E-110	-1.21E-169	-2.57E-144	-6.96E-54	-3.87E-47	-2.56E-49	-4.97E-52	-3.92E-54	-3.32E-51	0	0	0	0	0	0	0	0	0	0	0
-4.97E-69	-6.05E-102	-1.66E-50	-9.93E-111	-1.67E-110	-1.26E-170	-3.78E-145	-3.53E-54	-2.15E-47	-1.38E-49	-2.59E-52	-1.99E-54	-1.75E-51	0	0	0	0	0	0	0	0	0	0	0
-2.05E-69	-1.59E-102	-8.79E-51	-2.32E-111	-3.92E-111	-1.31E-171	-5.56E-146	-1.79E-54	-1.19E-47	-7.43E-50	-1.35E-52	-1.01E-54	-9.21E-52	0	0	0	0	0	0	0	0	0	0	0
-8.43E-70	-4.19E-103	-4.65E-51	-5.41E-112	-9.16E-112	-1.37E-172	-8.17E-147	-9.05E-55	-6.62E-48	-4.00E-50	-7.01E-53	-5.09E-55	-4.85E-52	0	0	0	0	0	0	0	0	0	0	0
-3.48E-70	-1.10E-103	-2.46E-51	-1.26E-112	-2.14E-112	-1.43E-173	-1.20E-147	-4.58E-55	-3.68E-48	-2.16E-50	-3.65E-53	-2.57E-55	-2.55E-52	0	0	0	0	0	0	0	0	0	0	0
-1.43E-70	-2.90E-104	-1.30E-51	-2.94E-113	-5.02E-113	-1.49E-174	-1.77E-148	-2.32E-55	-2.04E-48	-1.16E-50	-1.90E-53	-1.30E-55	-1.35E-52	0	0	0	0	0	0	0	0	0	0	0
-5.90E-71	-7.63E-105	-6.90E-52	-6.87E-114	-1.17E-113	-1.55E-175	-2.60E-149	-1.18E-55	-1.13E-48	-6.25E-51	-9.90E-54	-6.60E-56	-7.08E-53	0	0	0	0	0	0	0	0	0	0	0
-2.43E-71	-2.01E-105	-3.65E-52	-1.60E-114	-2.75E-114	-1.62E-176	-3.81E-150	-5.96E-56	-6.30E-49	-3.37E-51	-5.16E-54	-3.34E-56	-3.73E-53	0	0	0	0	0	0	0	0	0	0	0
-1.00E-71	-5.28E-106	-1.93E-52	-3.74E-115	-6.43E-115	-1.69E-177	-5.61E-151	-3.02E-56	-3.50E-49	-1.81E-51	-2.69E-54	-1.69E-56	-1.96E-53	0	0	0	0	0	0	0	0	0	0	0
-4.13E-72	-1.39E-106	-1.02E-52	-8.72E-116	-1.50E-115	-1.76E-178	-8.24E-152	-1.53E-56	-1.94E-49	-9.76E-52	-1.40E-54	-8.55E-57	-1.03E-53	0	0	0	0	0	0	0	0	0	0	0
-1.70E-72	-3.66E-107	-5.42E-53	-2.04E-116	-3.52E-116	-1.84E-179	-1.21E-152	-7.74E-57	-1.08E-49	-5.26E-52	-7.28E-55	-4.33E-57	-5.45E-54	0	0	0	0	0	0	0	0	0	0	0
-7.02E-73	-9.62E-108	-2.87E-53	-4.75E-117	-8.24E-117	-1.92E-180	-1.78E-153	-3.92E-57	-5.99E-50	-2.83E-52	-3.79E-55	-2.19E-57	-2.87E-54	0	0	0	0	0	0	0	0	0	0	0

DJSUg21stdF	DJSUs12norF	DJWEe11ged	DJWEe12ged	DJWEe11stdF	DJWEe12stdF	DJWEe11norF	DJWEe12norF	DJWEg11norF	DJZie22stdF	DJZie21stdF	DJZis11norF	DJZie11norF	DJZie12norF	DJZig12norF	DJLHe11gedF	DJLHe12gedF	DJLHe11stdF	DJLHe12stdF	DJLHe11norF	DJLHe12norF	DJLHe21norF	DJNGe21stdF	DJNGe12norF	DJPEe11gedF
7.01E-05	0.00010883	0.00314976	0.003302	0.00260312	0.00277868	0.00205628	0.00213626	0.00210412	0	0	0	0	0	0	-0.0008184	-0.0007563	-0.0009626	-0.0008655	-0.0015884	-0.0013513	-0.0001212	0.00206763	0.00097983	0
0	0	0.00051066	0.00056122	0.00034879	0.00039742	0.00021764	0.0002349	0.00022788	0	0	0	0	0	0	-0.0005454	-0.0005049	-0.0006415	-0.0005704	-0.0011397	-0.0009432	-7.24E-05	0.00093147	0.00094588	0
0	0	8.28E-05	9.54E-05	4.67E-05	5.68E-05	2.30E-05	2.58E-05	2.47E-05	0	0	0	0	0	0	-0.0003635	-0.0003371	-0.0004276	-0.0003759	-0.0008177	-0.0006583	-4.32E-05	0	0	0
0	0	1.34E-05	1.62E-05	6.26E-06	8.13E-06	2.44E-06	2.84E-06	2.67E-06	0	0	0	0	0	0	-0.0002422	-0.000225	-0.000285	-0.0002478	-0.0005867	-0.0004595	-2.58E-05	0	0	0
0	0	2.18E-06	2.76E-06	8.39E-07	1.16E-06	2.58E-07	3.12E-07	2.90E-07	0	0	0	0	0	0	-0.0001614	-0.0001502	-0.0001899	-0.0001633	-0.0004209	-0.0003207	-1.54E-05	0	0	0
0	0	3.53E-07	4.68E-07	1.12E-07	1.66E-07	2.73E-08	3.43E-08	3.14E-08	0	0	0	0	0	0	-0.0001076	-0.0001003	-0.0001266	-0.0001076	-0.000302	-0.0002239	-9.19E-06	0	0	0
0	0	5.72E-08	7.96E-08	1.51E-08	2.38E-08	2.89E-09	3.78E-09	3.40E-09	0	0	0	0	0	0	-7.17E-05	-6.70E-05	-8.43E-05	-7.09E-05	-0.0002167	-0.0001562	-5.48E-06	0	0	0
0	0	9.27E-09	1.35E-08	2.02E-09	3.40E-09	3.06E-10	4.15E-10	3.68E-10	0	0	0	0	0	0	-4.78E-05	-4.47E-05	-5.62E-05	-4.67E-05	-0.0001555	-0.0001091	-3.27E-06	0	0	0
0	0	1.50E-09	2.30E-09	2.70E-10	4.87E-10	3.24E-11	4.57E-11	3.98E-11	0	0	0	0	0	0	-3.18E-05	-2.98E-05	-3.75E-05	-3.08E-05	-0.0001116	-7.61E-05	-1.95E-06	0	0	0
0	0	2.44E-10	3.91E-10	3.62E-11	6.96E-11	3.43E-12	5.02E-12	4.31E-12	0	0	0	0	0	0	-2.12E-05	-1.99E-05	-2.50E-05	-2.03E-05	-8.00E-05	-5.31E-05	-1.17E-06	0	0	0
0	0	3.95E-11	6.64E-11	4.86E-12	9.95E-12	3.63E-13	5.52E-13	4.67E-13	0	0	0	0	0	0	-1.41E-05	-1.33E-05	-1.66E-05	-1.34E-05	-5.74E-05	-3.71E-05	-6.96E-07	0	0	0
0	0	6.41E-12	1.13E-11	6.51E-13	1.42E-12	3.84E-14	6.07E-14	5.06E-14	0	0	0	0	0	0	-9.42E-06	-8.88E-06	-1.11E-05	-8.82E-06	-4.12E-05	-2.59E-05	-4.16E-07	0	0	0
0	0	1.04E-12	1.92E-12	8.72E-14	2.04E-13	4.06E-15	6.67E-15	5.48E-15	0	0	0	0	0	0	-6.28E-06	-5.93E-06	-7.39E-06	-5.81E-06	-2.96E-05	-1.81E-05	-2.48E-07	0	0	0
0	0	1.68E-13	3.26E-13	1.17E-14	2.91E-14	4.30E-16	7.34E-16	5.94E-16	0	0	0	0	0	0	-4.18E-06	-3.96E-06	-4.93E-06	-3.83E-06	-2.12E-05	-1.26E-05	-1.48E-07	0	0	0
0	0	2.73E-14	5.54E-14	1.56E-15	4.17E-15	4.55E-17	8.07E-17	6.43E-17	0	0	0	0	0	0	-2.79E-06	-2.64E-06	-3.28E-06	-2.52E-06	-1.52E-05	-8.80E-06	-8.84E-08	0	0	0
0	0	4.43E-15	9.42E-15	2.10E-16	5.96E-16	4.82E-18	8.87E-18	6.96E-18	0	0	0	0	0	0	-1.86E-06	-1.76E-06	-2.19E-06	-1.66E-06	-1.09E-05	-6.14E-06	-5.28E-08	0	0	0
0	0	7.18E-16	1.60E-15	2.81E-17	8.52E-17	5.10E-19	9.76E-19	7.54E-19	0	0	0	0	0	0	-1.24E-06	-1.18E-06	-1.46E-06	-1.10E-06	-7.83E-06	-4.29E-06	-3.15E-08	0	0	0
0	0	1.16E-16	2.72E-16	3.76E-18	1.22E-17	5.40E-20	1.07E-19	8.17E-20	0	0	0	0	0	0	-8.25E-07	-7.86E-07	-9.72E-07	-7.23E-07	-5.62E-06	-2.99E-06	-1.88E-08	0	0	0
0	0	1.89E-17	4.63E-17	5.04E-19	1.74E-18	5.71E-21	1.18E-20	8.84E-21	0	0	0	0	0	0	-5.50E-07	-5.25E-07	-6.48E-07	-4.76E-07	-4.03E-06	-2.09E-06	-1.12E-08	0	0	0
0	0	3.06E-18	7.86E-18	6.76E-20	2.49E-19	6.05E-22	1.30E-21	9.58E-22	0	0	0	0	0	0	-3.67E-07	-3.50E-07	-4.32E-07	-3.14E-07	-2.89E-06	-1.46E-06	-6.70E-09	0	0	0
0	0	4.96E-19	1.34E-18	9.06E-21	3.57E-20	6.40E-23	1.43E-22	1.04E-22	0	0	0	0	0	0	-2.44E-07	-2.34E-07	-2.88E-07	-2.07E-07	-2.08E-06	-1.02E-06	-4.00E-09	0	0	0
0	0	8.04E-20	2.27E-19	1.21E-21	5.10E-21	6.77E-24	1.57E-23	1.12E-23	0	0	0	0	0	0	-1.63E-07	-1.56E-07	-1.92E-07	-1.36E-07	-1.49E-06	-7.10E-07	-2.39E-09	0	0	0
0	0	1.30E-20	3.86E-20	1.63E-22	7.29E-22	7.17E-25	1.72E-24	1.22E-24	0	0	0	0	0	0	-1.08E-07	-1.04E-07	-1.28E-07	-8.98E-08	-1.07E-06	-4.96E-07	-1.42E-09	0	0	0
0	0	2.11E-21	6.56E-21	2.18E-23	1.04E-22	7.59E-26	1.90E-25	1.32E-25	0	0	0	0	0	0	-7.23E-08	-6.96E-08	-8.52E-08	-5.92E-08	-7.67E-07	-3.46E-07	-8.50E-10	0	0	0
0	0	3.43E-22	1.11E-21	2.92E-24	1.49E-23	8.03E-27	2.09E-26	1.44E-26	0	0	0	0	0	0	-4.82E-08	-4.65E-08	-5.68E-08	-3.90E-08	-5.50E-07	-2.42E-07	-5.08E-10	0	0	0
0	0	5.55E-23	1.90E-22	3.91E-25	2.13E-24	8.50E-28	2.29E-27	1.55E-27	0	0	0	0	0	0	-3.21E-08	-3.10E-08	-3.78E-08	-2.57E-08	-3.95E-07	-1.69E-07	-3.03E-10	0	0	0
0	0	9.00E-24	3.22E-23	5.24E-26	3.05E-25	9.00E-29	2.52E-28	1.67E-28	0	0	0	0	0	0	-2.14E-08	-2.07E-08	-2.52E-08	-1.69E-08	-2.83E-07	-1.18E-07	-1.81E-10	0	0	0
0	0	1.46E-24	5.47E-24	7.02E-27	4.37E-26	9.52E-30	2.77E-29	1.81E-29	0	0	0	0	0	0	-1.43E-08	-1.38E-08	-1.68E-08	-1.12E-08	-2.03E-07	-8.21E-08	-1.08E-10	0	0	0
0	0	2.37E-25	9.30E-25	9.41E-28	6.24E-27	1.01E-30	3.05E-30	1.96E-30	0	0	0	0	0	0	-9.50E-09	-9.23E-09	-1.12E-08	-7.36E-09	-1.46E-07	-5.73E-08	-6.44E-11	0	0	0
0	0	3.84E-26	1.58E-25	1.26E-28	8.93E-28	1.07E-31	3.35E-31	2.13E-31	0	0	0	0	0	0	-6.33E-09	-6.16E-09	-7.46E-09	-4.85E-09	-1.05E-07	-4.00E-08	-3.85E-11	0	0	0
0	0	6.22E-27	2.69E-26	1.69E-29	1.28E-28	1.13E-32	3.69E-32	2.30E-32	0	0	0	0	0	0	-4.22E-09	-4.11E-09	-4.97E-09	-3.20E-09	-7.51E-08	-2.79E-08	-2.30E-11	0	0	0
0	0	1.01E-27	4.57E-27	2.26E-30	1.83E-29	1.20E-33	4.05E-33	2.50E-33	0	0	0	0	0	0	-2.81E-09	-2.75E-09	-3.31E-09	-2.11E-09	-5.39E-08	-1.95E-08	-1.37E-11	0	0	0
0	0	1.64E-28	7.76E-28	3.03E-31	2.61E-30	1.27E-34	4.46E-34	2.70E-34	0	0	0	0	0	0	-1.87E-09	-1.83E-09	-2.21E-09	-1.39E-09	-3.86E-08	-1.36E-08	-8.18E-12	0	0	0
0	0	2.65E-29	1.32E-28	4.06E-32	3.74E-31	1.34E-35	4.90E-35	2.93E-35	0	0	0	0	0	0	-1.25E-09	-1.22E-09	-1.47E-09	-9.15E-10	-2.77E-08	-9.50E-09	-4.88E-12	0	0	0
0	0	4.30E-30	2.24E-29	5.44E-33	5.35E-32	1.42E-36	5.39E-36	3.17E-36	0	0	0	0	0	0	-8.33E-10	-8.17E-10	-9.81E-10	-6.03E-10	-1.99E-08	-6.63E-09	-2.91E-12	0	0	0
0	0	6.97E-31	3.81E-30	7.29E-34	7.64E-33	1.50E-37	5.93E-37	3.43E-37	0	0	0	0	0	0	-5.55E-10	-5.46E-10	-6.54E-10	-3.98E-10	-1.43E-08	-4.63E-09	-1.74E-12	0	0	0
0	0	1.13E-31	6.48E-31	9.77E-35	1.09E-33	1.59E-38	6.52E-38	3.72E-38	0	0	0	0	0	0	-3.70E-10	-3.64E-10	-4.36E-10	-2.62E-10	-1.02E-08	-3.23E-09	-1.04E-12	0	0	0
0	0	1.83E-32	1.10E-31	1.31E-35	1.56E-34	1.68E-39	7.16E-39	4.03E-39	0	0	0	0	0	0	-2.46E-10	-2.43E-10	-2.90E-10	-1.73E-10	-7.35E-09	-2.25E-09	-6.20E-13	0	0	0
0	0	2.97E-33	1.87E-32	1.75E-36	2.24E-35	1.78E-40	7.88E-40	4.36E-40	0	0	0	0	0	0	-1.64E-10	-1.62E-10	-1.94E-10	-1.14E-10	-5.27E-09	-1.57E-09	-3.70E-13	0	0	0
0	0	4.81E-34	3.18E-33	2.35E-37	3.20E-36	1.88E-41	8.66E-41	4.72E-41	0	0	0	0	0	0	-1.09E-10	-1.08E-10	-1.29E-10	-7.50E-11	-3.78E-09	-1.10E-09	-2.21E-13	0	0	0
0	0	7.81E-35	5.41E-34	3.15E-38	4.58E-37	1.99E-42	9.52E-42	5.12E-42	0	0	0	0	0	0	-7.29E-11	-7.24E-11	-8.60E-11	-4.94E-11	-2.71E-09	-7.66E-10	-1.32E-13	0	0	0
0	0	1.27E-35	9.19E-35	4.22E-39	6.54E-38	2.11E-43	1.05E-42	5.54E-43	0	0	0	0	0	0	-4.86E-11	-4.83E-11	-5.73E-11	-3.26E-11	-1.95E-09	-5.35E-10	-7.87E-14	0	0	0
0	0	2.05E-36	1.56E-35	5.66E-40	9.36E-39	2.23E-44	1.15E-43	6.00E-44	0	0	0	0	0	0	-3.24E-11	-3.22E-11	-3.82E-11	-2.15E-11	-1.40E-09	-3.73E-10	-4.70E-14	0	0	0
0	0	3.33E-37	2.65E-36	7.58E-41	1.34E-39	2.36E-45	1.27E-44	6.50E-45	0	0	0	0	0	0	-2.16E-11	-2.15E-11	-2.54E-11	-1.42E-11	-1.00E-09	-2.61E-10	-2.80E-14	0	0	0
0	0	5.39E-38	4.51E-37	1.02E-41	1.91E-40	2.50E-46	1.39E-45	7.04E-46	0	0	0	0	0	0	-1.44E-11	-1.44E-11	-1.70E-11	-9.33E-12	-7.19E-10	-1.82E-10	-1.67E-14	0	0	0
0	0	8.74E-39	7.67E-38	1.36E-42	2.74E-41	2.65E-47	1.53E-46	7.62E-47	0	0	0	0	0	0	-9.59E-12	-9.59E-12	-1.13E-11	-6.15E-12	-5.16E-10	-1.27E-10	-9.99E-15	0	0	0
0	0	1.42E-39	1.30E-38	1.82E-43	3.92E-42	2.80E-48	1.68E-47	8.26E-48	0	0	0	0	0	0	-6.39E-12	-6.41E-12	-7.53E-12	-4.05E-12	-3.70E-10	-8.86E-11	-5.96E-15	0	0	0
0	0	2.30E-40	2.22E-39	2.44E-44	5.60E-43	2.96E-49	1.85E-48	8.94E-49	0	0	0	0	0	0	-4.28E-12	-4.28E-12	-5.02E-12	-2.67E-12	-2.66E-10	-6.19E-11	-3.56E-15	0	0	0
0	0	3.73E-41	3.76E-40	3.27E-45	8.01E-44	3.14E-50	2.04E-49	9.68E-50	0	0	0	0	0	0	-2.84E-12	-2.85E-12	-3.35E-12	-1.76E-12	-1.91E-10	-4.32E-11	-2.12E-15	0	0	0
0	0	6.04E-42	6.40E-41	4.39E-46	1.15E-44	3.32E-51	2.24E-50	1.05E-50	0	0	0	0	0	0	-1.89E-12	-1.91E-12	-2.23E-12	-1.16E-12	-1.37E-10	-3.01E-11	-1.27E-15	0	0	0
0	0	9.79E-43	1.09E-41	5.88E-47	1.64E-45	3.52E-52	2.46E-51	1.14E-51	0	0	0	0	0	0	-1.26E-12	-1.27E-12	-1.49E-12	-7.64E-13	-9.81E-11	-2.10E-11	-7.57E-16	0	0	0
0	0	1.59E-43	1.85E-42	7.87E-48	2.34E-46	3.72E-53	2.71E-52	1.23E-52	0	0	0	0	0	0	-8.40E-13	-8.49E-13	-9.90E-13	-5.04E-13	-7.04E-11	-1.47E-11	-4.52E-16	0	0	0
0	0	2.57E-44	3.14E-43	1.05E-48	3.35E-47	3.94E-54	2.98E-53	1.33E-53	0	0	0	0	0	0	-5.60E-13	-5.67E-13	-6.60E-13	-3.32E-13	-5.05E-11	-1.02E-11	-2.70E-16	0	0	0
0	0	4.17E-45	5.34E-44	1.41E-49	4.80E-48	4.17E-55	3.27E-54	1.44E-54	0	0	0	0	0	0	-3.73E-13	-3.79E-13	-4.40E-13	-2.19E-13	-3.62E-11	-7.15E-12	-1.61E-16	0	0	0
0	0	6.77E-46	9.08E-45	1.89E-50	6.86E-49	4.41E-56	3.60E-55	1.56E-55	0	0	0	0	0	0	-2.49E-13	-2.53E-13	-2.93E-13	-1.44E-13	-2.60E-11	-4.99E-12	-9.61E-17	0	0	0
0	0	1.10E-46	1.54E-45	2.54E-51	9.81E-50	4.67E-57	3.96E-56	1.69E-56	0	0	0	0	0	0	-1.66E-13	-1.69E-13	-1.95E-13	-9.50E-14	-1.87E-11	-3.48E-12	-5.74E-17	0	0	0
0	0	1.78E-47	2.62E-46	3.40E-52	1.40E-50	4.94E-58	4.35E-57	1.83E-57	0	0	0	0	0	0	-1.10E-13	-1.13E-13	-1.30E-13	-6.26E-14	-1.34E-11	-2.43E-12	-3.42E-17	0	0	0
0	0	2.88E-48	4.46E-47	4.56E-53	2.01E-51	5.23E-59	4.78E-58	1.99E-58	0	0	0	0	0	0	-7.36E-14	-7.52E-14	-8.68E-14	-4.13E-14	-9.61E-12	-1.70E-12	-2.04E-17	0	0	0
0	0	4.67E-49	7.57E-48	6.10E-54	2.87E-52	5.54E-60	5.26E-59	2.15E-59	0	0	0	0	0	0	-4.90E-14	-5.02E-14	-5.78E-14	-2.72E-14	-6.89E-12	-1.18E-12	-1.22E-17	0	0	0
0	0	7.58E-50	1.29E-48	8.18E-55	4.11E-53	5.86E-61	5.78E-60	2.33E-60	0	0	0	0	0	0	-3.27E-14	-3.35E-14	-3.85E-14	-1.79E-14	-4.95E-12	-8.27E-13	-7.28E-18	0	0	0
0	0	1.23E-50	2.19E-49	1.10E-55	5.87E-54	6.20E-62	6.36E-61	2.52E-61	0	0	0	0	0	0	-2.18E-14	-2.24E-14	-2.57E-14	-1.18E-14	-3.55E-12	-5.77E-13	-4.35E-18	0	0	0
0	0	1.99E-51	3.72E-50	1.47E-56	8.40E-55	6.56E-63	6.99E-62	2.73E-62	0	0	0	0	0	0	-1.45E-14	-1.49E-14	-1.71E-14	-7.79E-15	-2.55E-12	-4.03E-13	-2.59E-18	0	0	0
0	0	3.23E-52	6.32E-51	1.97E-57	1.20E-55	6.95E-64	7.69E-63	2.96E-63	0	0	0	0	0	0	-9.67E-15	-9.97E-15	-1.14E-14	-5.13E-15	-1.83E-12	-2.81E-13	-1.55E-18	0	0	0
0	0	5.24E-53	1.07E-51	2.64E-58	1.72E-56	7.35E-65	8.46E-64	3.20E-64	0	0	0	0	0	0	-6.44E-15	-6.66E-15	-7.60E-15	-3.38E-15	-1.31E-12	-1.96E-13	-9.25E-19	0	0	0
0	0	8.49E-54	1.81E-52	3.53E-59	2.46E-57	7.78E-66	9.30E-65	3.47E-65	0	0	0	0	0	0	-4.29E-15	-4.45E-15	-5.07E-15	-2.23E-15	-9.40E-13	-1.37E-13	-5.52E-19	0	0	0
0	0	1.38E-54	3.10E-53	4.73E-60	3.51E-58	8.24E-67	1.02E-65	3.76E-66	0	0	0	0	0	0	-2.86E-15	-2.97E-15	-3.38E-15	-1.47E-15	-6.75E-13	-9.56E-14	-3.29E-19	0	0	0
0	0	2.23E-55	5.27E-54	6.34E-61	5.03E-59	8.72E-68	1.12E-66	4.07E-67	0	0	0	0	0	0	-1.91E-15	-1.98E-15	-2.25E-15	-9.68E-16	-4.84E-13	-6.67E-14	-1.97E-19	0	0	0
0	0	3.62E-56	8.96E-55	8.50E-62	7.19E-60	9.23E-69	1.24E-67	4.41E-68	0	0	0	0	0	0	-1.27E-15	-1.32E-15	-1.50E-15	-6.38E-16	-3.47E-13	-4.66E-14	-1.17E-19	0	0	0
0	0	5.87E-57	1.52E-55	1.14E-62	1.03E-60	9.77E-70	1.36E-68	4.78E-69	0	0	0	0	0	0	-8.47E-16	-8.83E-16	-1.00E-15	-4.20E-16	-2.49E-13	-3.25E-14	-7.01E-20	0	0	0
0	0	9.51E-58	2.59E-56	1.53E-63	1.47E-61	1.03E-70	1.49E-69	5.17E-70	0	0	0	0	0	0	-5.64E-16	-5.90E-16	-6.66E-16	-2.77E-16	-1.79E-13	-2.27E-14	-4.18E-20	0	0	0
0	0	1.54E-58	4.40E-57	2.04E-64	2.10E-62	1.09E-71	1.64E-70	5.60E-71	0	0	0	0	0	0	-3.76E-16	-3.94E-16	-4.44E-16	-1.83E-16	-1.28E-13	-1.58E-14	-2.50E-20	0	0	0
0	0	2.50E-59	7.48E-58	2.74E-65	3.01E-63	1.16E-72	1.81E-71	6.07E-72	0	0	0	0	0	0	-2.51E-16	-2.63E-16	-2.96E-16	-1.20E-16	-9.20E-14	-1.11E-14	-1.49E-20	0	0	0
0	0	4.05E-60	1.27E-58	3.67E-66	4.30E-64	1.23E-73	1.99E-72	6.57E-73	0	0	0	0	0	0	-1.67E-16	-1.75E-16	-1.97E-16	-7.93E-17	-6.60E-14	-7.72E-15	-8.89E-21	0	0	0
0	0	6.57E-61	2.16E-59	4.92E-67	6.15E-65	1.30E-74	2.18E-73	7.12E-74	0	0	0	0	0	0	-1.11E-16	-1.17E-16	-1.31E-16	-5.23E-17	-4.74E-14	-5.39E-15	-5.31E-21	0	0	0
0	0	1.07E-61	3.67E-60	6.59E-68	8.80E-66	1.37E-75	2.40E-74	7.71E-75	0	0	0	0	0	0	-7.42E-17	-7.82E-17	-8.76E-17	-3.45E-17	-3.40E-14	-3.76E-15	-3.17E-21	0	0	0
0	0	1.73E-62	6.24E-61	8.83E-69	1.26E-66	1.45E-76	2.64E-75	8.35E-76	0	0	0	0	0	0	-4.94E-17	-5.22E-17	-5.84E-17	-2.27E-17	-2.44E-14	-2.62E-15	-1.89E-21	0	0	0
0	0	2.80E-63	1.06E-61	1.18E-69	1.80E-67	1.54E-77	2.90E-76	9.04E-77	0	0	0	0	0	0	-3.29E-17	-3.48E-17	-3.89E-17	-1.50E-17	-1.75E-14	-1.83E-15	-1.13E-21	0	0	0
0	0	4.54E-64	1.80E-62	1.58E-70	2.58E-68	1.63E-78	3.19E-77	9.79E-78	0	0	0	0	0	0	-2.20E-17	-2.33E-17	-2.59E-17	-9.86E-18	-1.26E-14	-1.28E-15	-6.74E-22	0	0	0
0	0	7.36E-65	3.06E-63	2.12E-71	3.68E-69	1.72E-79	3.51E-78	1.06E-78	0	0	0	0	0	0	-1.46E-17	-1.55E-17	-1.73E-17	-6.50E-18	-9.01E-15	-8.92E-16	-4.02E-22	0	0	0
0	0	1.19E-65	5.21E-64	2.85E-72	5.27E-70	1.82E-80	3.86E-79	1.15E-79	0	0	0	0	0	0	-9.75E-18	-1.04E-17	-1.15E-17	-4.28E-18	-6.46E-15	-6.23E-16	-2.40E-22	0	0	0
0	0	1.93E-66	8.85E-65	3.81E-73	7.53E-71	1.93E-81	4.25E-80	1.24E-80	0	0	0	0	0	0	-6.50E-18	-6.92E-18	-7.68E-18	-2.82E-18	-4.64E-15	-4.35E-16	-1.43E-22	0	0	0
0	0	3.14E-67	1.50E-65	5.11E-74	1.08E-71	2.04E-82	4.67E-81	1.35E-81	0	0	0	0	0	0	-4.33E-18	-4.62E-18	-5.11E-18	-1.86E-18	-3.32E-15	-3.03E-16	-8.53E-23	0	0	0
0	0	5.08E-68	2.56E-66	6.84E-75	1.54E-72	2.16E-83	5.13E-82	1.46E-82	0	0	0	0	0	0	-2.89E-18	-3.09E-18	-3.41E-18	-1.23E-18	-2.39E-15	-2.12E-16	-5.11E-23	0	0	0
0	0	8.24E-69	4.35E-67	9.17E-76	2.20E-73	2.29E-84	5.65E-83	1.58E-83	0	0	0	0	0	0	-1.92E-18	-2.06E-18	-2.27E-18	-8.08E-19	-1.71E-15	-1.48E-16	-3.05E-23	0	0	0
0	0	1.34E-69	7.39E-68	1.23E-76	3.15E-74	2.42E-85	6.21E-84	1.71E-84	0	0	0	0	0	0	-1.28E-18	-1.37E-18	-1.51E-18	-5.33E-19	-1.23E-15	-1.03E-16	-1.82E-23	0	0	0
0	0	2.17E-70	1.26E-68	1.65E-77	4.51E-75	2.56E-86	6.83E-85	1.85E-85	0	0	0	0	0	0	-8.54E-19	-9.18E-19	-1.01E-18	-3.51E-19	-8.82E-16	-7.20E-17	-1.09E-23	0	0	0
0	0	3.51E-71	2.13E-69	2.21E-78	6.45E-76	2.71E-87	7.51E-86	2.01E-86	0	0	0	0	0	0	-5.69E-19	-6.13E-19	-6.73E-19	-2.31E-19	-6.33E-16	-5.03E-17	-6.48E-24	0	0	0
0	0	5.70E-72	3.63E-70	2.96E-79	9.22E-77	2.87E-88	8.25E-87	2.17E-87	0	0	0	0	0	0	-3.79E-19	-4.09E-19	-4.54E-19	-1.52E-19	-4.54E-16	-3.51E-17	-3.87E-24	0	0	0
0	0	9.23E-73	6.16E-71	3.96E-80	1.32E-77	3.04E-89	9.08E-88	2.35E-88	0	0	0	0	0	0	-2.53E-19	-2.73E-19	-2.99E-19	-1.00E-19	-3.26E-16	-2.45E-17	-2.31E-24	0	0	0
0	0	1.50E-73	1.05E-71	5.31E-81	1.89E-78	3.22E-90	9.98E-89	2.55E-89	0	0	0	0	0	0	-1.68E-19	-1.82E-19	-1.99E-19	-6.62E-20	-2.34E-16	-1.71E-17	-1.38E-24	0	0	0
0	0	2.43E-74	1.78E-72	7.11E-82	2.70E-79	3.41E-91	1.10E-89	2.76E-90	0	0	0	0	0	0	-1.12E-19	-1.22E-19	-1.33E-19	-4.36E-20	-1.68E-16	-1.19E-17	-8.23E-25	0	0	0
0	0	3.94E-75	3.03E-73	9.53E-83	3.86E-80	3.61E-92	1.21E-90	2.99E-91	0	0	0	0

0	0	3.50E-135	9.72E-132	4.33E-149	2.50E-144	2.70E-166	1.64E-163	1.29E-164	0	0	0	0	0	-3.01E-33	-3.74E-33	-3.58E-33	-4.97E-34	-1.33E-27	-1.13E-29	-4.58E-42	0	0	0
0	0	5.67E-136	1.65E-132	5.80E-150	3.58E-145	2.86E-167	1.80E-164	1.39E-165	0	0	0	0	0	-2.01E-33	-2.50E-33	-2.38E-33	-3.28E-34	-9.51E-28	-7.88E-30	-2.73E-42	0	0	0
0	0	9.19E-137	2.81E-133	7.77E-151	5.12E-146	3.02E-168	1.98E-165	1.51E-166	0	0	0	0	0	-1.34E-33	-1.67E-33	-1.59E-33	-2.16E-34	-6.82E-28	-5.50E-30	-1.63E-42	0	0	0
0	0	1.49E-137	4.77E-134	1.04E-151	7.32E-147	3.20E-169	2.18E-166	1.63E-167	0	0	0	0	0	-8.92E-34	-1.11E-33	-1.06E-33	-1.42E-34	-4.90E-28	-3.84E-30	-9.73E-43	0	0	0
0	0	2.42E-138	8.11E-135	1.40E-152	1.05E-147	3.39E-170	2.40E-167	1.77E-168	0	0	0	0	0	-5.94E-34	-7.44E-34	-7.05E-34	-9.38E-35	-3.51E-28	-2.68E-30	-5.81E-43	0	0	0
0	0	3.92E-139	1.38E-135	1.87E-153	1.50E-148	3.58E-171	2.64E-168	1.91E-169	0	0	0	0	0	-3.96E-34	-4.97E-34	-4.70E-34	-6.18E-35	-2.52E-28	-1.87E-30	-3.47E-43	0	0	0
0	0	6.35E-140	2.34E-136	2.50E-154	2.14E-149	3.79E-172	2.90E-169	2.07E-170	0	0	0	0	0	-2.64E-34	-3.32E-34	-3.13E-34	-4.08E-35	-1.81E-28	-1.31E-30	-2.07E-43	0	0	0
0	0	1.03E-140	3.98E-137	3.36E-155	3.06E-150	4.01E-173	3.19E-170	2.25E-171	0	0	0	0	0	-1.76E-34	-2.21E-34	-2.09E-34	-2.69E-35	-1.30E-28	-9.11E-31	-1.24E-43	0	0	0
0	0	1.67E-141	6.77E-138	4.50E-156	4.38E-151	4.25E-174	3.51E-171	2.43E-172	0	0	0	0	0	-1.17E-34	-1.48E-34	-1.39E-34	-1.77E-35	-9.31E-29	-6.36E-31	-7.38E-44	0	0	0
0	0	2.71E-142	1.15E-138	6.03E-157	6.26E-152	4.50E-175	3.86E-172	2.63E-173	0	0	0	0	0	-7.81E-35	-9.86E-35	-9.27E-35	-1.17E-35	-6.68E-29	-4.44E-31	-4.40E-44	0	0	0
0	0	4.39E-143	1.96E-139	8.07E-158	8.96E-153	4.76E-176	4.24E-173	2.85E-174	0	0	0	0	0	-5.21E-35	-6.59E-35	-6.18E-35	-7.69E-36	-4.79E-29	-3.10E-31	-2.63E-44	0	0	0
0	0	7.12E-144	3.32E-140	1.08E-158	1.28E-153	5.04E-177	4.66E-174	3.09E-175	0	0	0	0	0	-3.47E-35	-4.40E-35	-4.12E-35	-5.07E-36	-3.44E-29	-2.16E-31	-1.57E-44	0	0	0
0	0	1.15E-144	5.65E-141	1.45E-159	1.83E-154	5.33E-178	5.13E-175	3.35E-176	0	0	0	0	0	-2.31E-35	-2.94E-35	-2.75E-35	-3.34E-36	-2.47E-29	-1.51E-31	-9.36E-45	0	0	0
0	0	1.87E-145	9.60E-142	1.94E-160	2.62E-155	5.64E-179	5.64E-176	3.62E-177	0	0	0	0	0	-1.54E-35	-1.96E-35	-1.83E-35	-2.20E-36	-1.77E-29	-1.05E-31	-5.59E-45	0	0	0

DJPEe12gedF	DJPEe11stdF	DJPEe12stdF	DJPEe11norF	DJPEe12norF	DJSOe21gedF	DJSOe21stdF	DJSOe11norF	DJSOe22norF	DJSOe21norF	SEFPs11gedF	SEFPe11gedF	SEFPe12gedF	SEFPe11stdF	SEFPe12stdF	SEFPs11norF	SEFPe11norF	SEFPe12norF	SECCs12gedF	SECCe12gedF	SECCe22gedF	SECCe12stdF	SECCs12norF	SECCe12norF	SECEe13gedF
0	0	0	0	0	0.00151612	0.00155236	0.00038731	0.00070574	0.00068177	-0.0005003	-0.0004704	-0.0004704	-0.0003965	-0.0004093	-0.0002383	-0.0002109	-0.000199	-0.0006494	-0.0006338	-0.0005922	-0.0007001	-0.000596	-0.0004898	-0.0014642
0	0	0	0	0	0.00107783	0.00098498	0.0009944	0.00099277	0.00100044	-8.99E-05	-7.95E-05	-7.95E-05	-5.65E-05	-6.02E-05	-2.04E-05	-1.60E-05	-1.42E-05	-0.0003704	-0.0003704	-0.000342	-0.0003628	-0.0003114	-0.0003358	-0.0006638
0	0	0	0	0	0	0	0	0	0	-1.62E-05	-1.34E-05	-1.34E-05	-8.05E-06	-8.86E-06	-1.75E-06	-1.21E-06	-1.02E-06	0	0	0	0	0	0	0.00014765
0	0	0	0	0	0	0	0	0	0	-2.91E-06	-2.27E-06	-2.27E-06	-1.15E-06	-1.30E-06	-1.50E-07	-9.19E-08	-7.28E-08	0	0	0	0	0	0	0.00028682
0	0	0	0	0	0	0	0	0	0	-5.23E-07	-3.84E-07	-3.84E-07	-1.64E-07	-1.92E-07	-1.28E-08	-6.96E-09	-5.21E-09	0	0	0	0	0	0	0.00017554
0	0	0	0	0	0	0	0	0	0	-9.40E-08	-6.49E-08	-6.49E-08	-2.33E-08	-2.82E-08	-1.10E-09	-5.28E-10	-3.72E-10	0	0	0	0	0	0	0.00010126
0	0	0	0	0	0	0	0	0	0	-1.69E-08	-1.10E-08	-1.10E-08	-3.32E-09	-4.15E-09	-9.40E-11	-4.00E-11	-2.66E-11	0	0	0	0	0	0	4.41E-05
0	0	0	0	0	0	0	0	0	0	-3.04E-09	-1.86E-09	-1.86E-09	-4.73E-10	-6.10E-10	-8.05E-12	-3.03E-12	-1.91E-12	0	0	0	0	0	0	1.38E-05
0	0	0	0	0	0	0	0	0	0	-5.46E-10	-3.14E-10	-3.14E-10	-6.74E-11	-8.98E-11	-6.90E-13	-2.30E-13	-1.36E-13	0	0	0	0	0	0	2.11E-06
0	0	0	0	0	0	0	0	0	0	-9.82E-11	-5.30E-11	-5.30E-11	-9.61E-12	-1.32E-11	-5.91E-14	-1.74E-14	-9.75E-15	0	0	0	0	0	0	-1.59E-06
0	0	0	0	0	0	0	0	0	0	-1.77E-11	-8.96E-12	-8.96E-12	-1.37E-12	-1.94E-12	-5.06E-15	-1.32E-15	-6.97E-16	0	0	0	0	0	0	-1.88E-06
0	0	0	0	0	0	0	0	0	0	-3.17E-12	-1.51E-12	-1.51E-12	-1.95E-13	-2.86E-13	-4.33E-16	-1.00E-16	-4.99E-17	0	0	0	0	0	0	-1.25E-06
0	0	0	0	0	0	0	0	0	0	-5.71E-13	-2.56E-13	-2.56E-13	-2.78E-14	-4.20E-14	-3.71E-17	-7.59E-18	-3.57E-18	0	0	0	0	0	0	-6.50E-07
0	0	0	0	0	0	0	0	0	0	-1.03E-13	-4.33E-14	-4.33E-14	-3.96E-15	-6.18E-15	-3.18E-18	-5.75E-19	-2.55E-19	0	0	0	0	0	0	-2.69E-07
0	0	0	0	0	0	0	0	0	0	-1.84E-14	-7.32E-15	-7.32E-15	-5.65E-16	-9.09E-16	-2.72E-19	-4.36E-20	-1.82E-20	0	0	0	0	0	0	-8.04E-08
0	0	0	0	0	0	0	0	0	0	-3.32E-15	-1.24E-15	-1.24E-15	-8.05E-17	-1.34E-16	-2.33E-20	-3.31E-21	-1.30E-21	0	0	0	0	0	0	-6.43E-09
0	0	0	0	0	0	0	0	0	0	-5.96E-16	-2.09E-16	-2.09E-16	-1.15E-17	-1.97E-17	-2.00E-21	-2.51E-22	-9.33E-23	0	0	0	0	0	0	1.35E-08
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0	0	0	0	0	0	0	0	0	0	-1.93E-17	-5.97E-18	-5.97E-18	-2.33E-19	-4.26E-19	-1.46E-23	-1.44E-24	-4.77E-25	0	0	0	0	0	0	8.41E-09
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0	0	0	0	0	0	0	0	0	0	-1.17E-22	-2.36E-23	-2.36E-23	-2.78E-25	-6.35E-25	-4.94E-31	-2.07E-32	-4.57E-33	0	0	0	0	0	0	-5.59E-11
0	0	0	0	0	0	0	0	0	0	-2.10E-23	-3.98E-24	-3.98E-24	-3.96E-26	-9.34E-26	-4.23E-32	-1.57E-33	-3.27E-34	0	0	0	0	0	0	-2.66E-11
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0	0	0	0	0	0	0	0	0	0	-1.22E-25	-1.92E-26	-1.92E-26	-1.15E-28	-2.97E-28	-2.66E-35	-6.83E-37	-1.20E-37	0	0	0	0	0	0	3.09E-13
0	0	0	0	0	0	0	0	0	0	-2.20E-26	-3.25E-27	-3.25E-27	-1.63E-29	-4.37E-29	-2.28E-36	-5.13E-38	-8.55E-39	0	0	0	0	0	0	8.26E-13
0	0	0	0	0	0	0	0	0	0	-3.95E-27	-5.50E-28	-5.50E-28	-2.33E-30	-6.43E-30	-1.95E-37	-3.93E-39	-6.12E-40	0	0	0	0	0	0	6.48E-13
0	0	0	0	0	0	0	0	0	0	-7.10E-28	-9.30E-29	-9.30E-29	-3.32E-31	-9.46E-31	-1.67E-38	-2.98E-40	-4.37E-41	0	0	0	0	0	0	3.69E-13
0	0	0	0	0	0	0	0	0	0	-1.28E-28	-1.57E-29	-1.57E-29	-4.73E-32	-1.39E-31	-1.43E-39	-2.26E-41	-3.13E-42	0	0	0	0	0	0	1.68E-13
0	0	0	0	0	0	0	0	0	0	-2.30E-29	-2.66E-30	-2.66E-30	-6.73E-33	-2.05E-32	-1.23E-40	-1.71E-42	-2.24E-43	0	0	0	0	0	0	5.90E-14
0	0	0	0	0	0	0	0	0	0	-4.13E-30	-4.49E-31	-4.49E-31	-9.60E-34	-3.01E-33	-1.05E-41	-1.30E-43	-1.60E-44	0	0	0	0	0	0	1.16E-14
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0	0	0	0	0	0	0	0	0	0	-2.40E-32	-2.17E-33	-2.17E-33	-2.78E-36	-9.59E-36	-6.59E-45	-5.65E-47	-5.86E-48	0	0	0	0	0	0	-4.43E-15
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0	0	0	0	0	0	0	0	0	0	-8.10E-37	-5.06E-38	-5.06E-38	-2.33E-41	-9.72E-41	-2.60E-51	-1.07E-53	-7.84E-55	0	0	0	0	0	0	4.46E-17
0	0	0	0	0	0	0	0	0	0	-1.46E-37	-8.55E-39	-8.55E-39	-3.31E-42	-1.43E-41	-2.23E-52	-8.12E-55	-5.61E-56	0	0	0	0	0	0	3.00E-17
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0	0	0	0	0	0	0	0	0	0	-8.47E-40	-4.13E-41	-4.13E-41	-9.59E-45	-4.55E-44	-1.40E-55	-3.54E-58	-2.05E-59	0	0	0	0	0	0	1.96E-18
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0	0	0	0	0	0	0	0	0	0	-2.74E-41	-1.18E-42	-1.18E-42	-1.95E-46	-9.84E-46	-1.03E-57	-2.03E-60	-1.05E-61	0	0	0	0	0	0	-3.19E-19
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0	0	0	0	0	0	0	0	0	0	-5.37E-48	-1.33E-49	-1.33E-49	-4.72E-54	-3.18E-53	-2.54E-67	-1.68E-70	-5.14E-72	0	0	0	0	0	0	1.34E-21
0	0	0	0	0	0	0	0	0	0	-9.66E-49	-2.25E-50	-2.25E-50	-6.73E-55	-4.67E-54	-2.18E-68	-1.27E-71	-3.68E-73	0	0	0	0	0	0	6.41E-22
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0	0	0	0	0	0	0	0	0	0	-3.12E-50	-6.43E-52	-6.43E-52	-1.37E-56	-1.01E-55	-1.60E-70	-7.31E-74	-1.88E-75	0	0	0	0	0	0	5.75E-23
0	0	0	0	0	0	0	0	0	0	-5.61E-51	-1.09E-52	-1.09E-52	-1.95E-57	-1.49E-56	-1.37E-71	-5.54E-75	-1.34E-76	0	0	0	0	0	0	-6.84E-24
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0	0	0	0	0	0	0	0	0	0	-3.26E-53	-5.25E-55	-5.25E-55	-5.63E-60	-4.73E-59	-8.59E-75	-2.41E-78	-4.92E-80	0	0	0	0	0	0	-8.85E-24
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0	0	0	0	0	0	0	0	0	0	-2.07E-61	-1.69E-63	-1.69E-63	-2.77E-69	-3.30E-68	-1.56E-86	-1.15E-90	-1.23E-92	0	0	0	0	0	0	-8.72E-28
0	0	0	0	0	0	0	0	0	0	-3.72E-62	-2.86E-64	-2.86E-64	-3.95E-70	-4.86E-69	-1.34E-87	-8.69E-92	-8.81E-94	0	0	0	0	0	0	-1.06E-27
0	0	0	0	0	0	0	0	0	0	-6.69E-63	-4.83E-65	-4.83E-65	-5.63E-71	-7.15E-70	-1.15E-88	-6.58E-93	-6.30E-95	0	0	0	0	0	0	-7.20E-28
0	0	0	0	0	0	0	0	0	0	-1.20E-63	-8.17E-66	-8.17E-66	-8.02E-72	-1.05E-70	-9.81E-90	-4.99E-94	-4.51E-96	0	0	0	0	0	0	-3.76E-28
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0	0	0	0	0	0	0	0	0	0	-3.89E-65	-2.33E-67	-2.33E-67	-1.63E-73	-2.28E-72	-7.19E-92	-2.87E-96	-2.31E-98	0	0	0	0	0	0	-4.77E-29
0	0	0	0	0	0	0	0	0	0	-6.99E-66	-3.94E-68	-3.94E-68	-2.32E-74	-3.35E-73	-6.16E-93	-2.17E-97	-1.65E-99	0	0	0	0	0	0	-4.37E-30
0	0	0	0	0	0	0	0	0	0	-1.26E-66	-6.67E-69	-6.67E-69	-3.31E-75	-4.92E-74	-5.28E-94	-1.65E-98	-1.18E-100	0	0	0	0	0	0	7.51E-30
0	0	0	0	0	0	0	0	0	0	-2.26E-67	-1.13E-69	-1.13E-69	-4.71E-76	-7.24E-75	-4.52E-95	-1.25E-99	-8.44E-102	0	0	0	0	0	0	7.59E-30
0	0	0	0	0	0	0	0	0	0	-4.06E-68	-1.91E-70	-1.91E-70	-6.72E-77	-1.07E-75	-3.87E-96	-9.47E-101	-6.04E-103	0	0	0	0	0	0	4.84E-30
0	0	0	0	0	0	0	0	0	0	-7.26E-69	-3.22E-71	-3.22E-71	-9.57E-78	-1.57E-76	-3.31E-97	-7.18E-102	-4.32E-104	0	0	0	0	0	0	2.42E-30
0	0	0	0	0	0	0	0	0	0	-1.31E-69	-5.44E-72	-5.44E-72	-1.36E-78	-2.31E-77	-2.84E-98	-5.44E-103	-3.09E-105	0	0	0	0	0	0	9.61E-31
0	0	0	0	0	0	0	0	0	0	-2.36E-70	-9.20E-73	-9.20E-73	-1.94E-79	-3.39E-78	-2.43E-99	-4.12E-104	-2.21E-106	0	0	0	0	0	0	2.65E-31
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0	0	0	0	0	0	0	0	0	0	-7.63E-72	-2.63E-74	-2.63E-74	-3.95E-81	-7.34E-80	-1.78E-101	-2.37E-106	-1.13E-108	0	0	0	0	0	0	-6.05E-32
0	0	0	0	0	0	0	0	0	0	-1.37E-72	-4.45E-75	-4.45E-75	-5.63E-82	-1.08E-80	-1.52E-102	-1.99E-107	-8.08E-110	0	0	0	0	0	0	-5.34E-32
0	0	0	0	0	0	0	0	0	0	-2.47E-73	-7.51E-76	-7.51E-76	-8.02E-83	-1.59E-81	-1.31E-103	-1.36E-108	-5.78E-111	0	0	0	0	0	0	-3.22E-32
0	0	0	0	0	0	0	0	0	0	-4.43E-74	-1.27E-76	-1.27E-76	-1.14E-83	-2.34E-82	-1.12E-104	-1.03E-109	-4.13E-112	0	0	0	0	0	0	-1.54E-32
0	0	0	0	0	0	0	0	0	0	-7.97E-75	-2.15E-77	-2.15E-77	-1.63E-84	-3.44E-83	-9.59E-106	-7.82E-111	-2.96E-113	0	0	0	0	0	0	-5.81E-33
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0	0	0	0	0	0	0	0	0	0	-2.58E-76	-6.14E-79	-6.14E-79	-3.31E-86	-7.44E-85	-7.03E-108	-4.50E-113	-1.51E-115	0	0	0	0	0	0	1.50E-34
0	0	0	0	0	0	0	0	0	0	-4.64E-77	-1.04E-79	-1.04E-79	-4.71E-87	-1.08E-85	-5.99E-109	-3.07E-114	-1.08E-116	0	0	0	0	0	0	-4.66E-34
0	0	0	0	0	0	0	0	0	0	-8.33E-78	-1.75E-80	-1.75E-80	-6.71E-88	-1.61E-86	-5.16E-110	-2.58E-115	-7.73E-118	0	0	0	0	0	0	3.70E-34
0	0	0	0	0	0	0	0	0	0	-1.50E-78	-2.96E-81	-2.96E-81	-9.57E-89	-2.37E-87	-4.42E-111	-1.96E-116	-5.53E-119	0	0	0	0	0	0	2.13E-34
0	0	0	0	0	0	0	0	0	0	-2.69E-79	-5.01E-82	-5.01E-82	-1.36E-89	-3.48E-88	-3.78E-112	-1.48E-117	-3.96E-120	0	0	0	0	0	0	9.76E-35
0	0	0	0	0	0	0	0	0	0	-4.84E-80	-8.47E-83	-8.47E-83	-1.94E-90	-5.12E-89	-3.24E-113	-1.12E-118	-2.83E-121	0	0	0	0	0	0	3.46E-35
0	0	0	0	0	0	0	0	0	0	-8.70E-81	-1.43E-83	-1.43E-83	-2.77E-91	-7.54E-90	-2.78E-114	-8.53E-120	-2.02E-122	0	0	0	0	0	0	7.06E-36
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0	0	0	0	0	0	0	0	0	0	-3.60E-138	-5.15E-143	-5.15E-143	-1.94E-156	-6.08E-154	-1.82E-196	-4.63E-206	-1.25E-210	0	0	0	0	0	0	1.44E-59

SERat12ed	SERat12nor	SERat12ned	SERat12sed	SERat12sned	SERat12std	SERat12stnd	SERat12snd	SERat12snor	SERat12nnd	SERat12nnor	SERat12nsd	SERat12nsnor	SERe11sed	SERe11snor	SERe11ned	SERe11nor	SERe12sed	SERe12snor	SERe12ned	SERe12nor	SEMoCe12sed	SEMoCe12snd	SEMoCe11std	SEMoCe11snd	SEOge11sed	SEOge12sed	SEOge11std	SEOge11snd	SEOge12snd	SEOge12snor
-0.0015664	-0.0005042	-0.0007612	-0.0004879	-0.0004863	-0.0006168	-0.0004908	-0.0006079	-0.0003616	-0.0003348	-0.0009329	-0.0004088	-0.0004773	-0.000342	-0.0003477	-0.0014577	-0.0010984	-0.0012917	-0.0014418	-0.0017159	-0.0017614	-0.0018441	-0.0013099	-0.0012079	-0.0014554
-0.000712	-0.0004678	-0.0006522	0	0	0	0	0	0	0	-0.0004678	-0.0004551	-0.0004323	-0.0004318	-0.0004362	-0.0004819	-0.0004477	-0.0007366	-0.0014943	-0.0010921	-0.001042	-0.000799	-0.0008401	-0.0008233	-0.0007546
0.00012163	0.00096746	0.00083536	0	0	0	0	0	0	0	-0.0001855	0.00012162	5.26E-05	5.43E-05	8.16E-05	0.00054794	0.00049268	0.00038662	-0.000184	-0.0004248	-0.0003871	-0.0004372	0.00073654	0.00080156	0.00082837
0.00028648	0.00077532	0.00067841	0	0	0	0	0	0	0	1.78E-05	0.00017485	0.0001592	0.00022492	0.00021219	0.000417	0.00032711	0.00033032	0.0006159	-0.0001073	-8.53E-05	-0.0002988	0.00030149	0.00032912	0.00030293
0.00017741	0.00015228	0.00014472	0	0	0	0	0	0	0	-3.03E-05	-0.0002664	-0.000227	-0.0002624	-0.0002719	0.00036301	0.00053572	0.00048319	-0.0001655	-6.76E-06	4.96E-06	-0.0002353	-0.0003912	-0.0004973	-0.0004584
0.00010344	9.11E-05	0.00010285	0	0	0	0	0	0	0	-3.91E-06	0.00010482	0.00011607	6.00E-05	7.64E-05	0.00021654	0.00038033	0.00042022	-0.000446	1.06E-05	1.60E-05	-0.0001981	-9.12E-05	-0.0001034	-0.0001086
4.58E-05	-3.78E-05	-2.03E-05	0	0	0	0	0	0	0	4.01E-06	0.00011526	5.07E-05	0.00015741	0.00015264	0.00012795	0.00045408	0.00042293	-0.000218	7.29E-06	9.27E-06	-0.0001714	0.00019859	0.00029244	0.00024795
1.43E-05	-5.75E-05	-4.25E-05	0	0	0	0	0	0	0	-3.30E-06	-0.0001893	-0.000143	-0.0001952	-0.0002042	6.70E-05	0.00035596	0.00038143	-0.0003782	2.96E-06	3.40E-06	-0.0001499	1.68E-05	1.10E-05	3.03E-05
2.17E-06	-1.79E-05	-1.32E-05	0	0	0	0	0	0	0	6.30E-07	8.24E-05	0.00011282	5.35E-05	6.36E-05	3.25E-05	0.00038198	0.00036032	-0.0002509	7.91E-07	7.29E-07	-0.0001316	-9.69E-05	-0.0001307	-0.0001307
-1.68E-06	-1.11E-05	-1.04E-05	0	0	0	0	0	0	0	2.31E-07	7.47E-05	-9.96E-06	0.00010894	0.00010894	1.47E-05	0.00032045	0.00033025	-0.00034	7.31E-08	-5.57E-08	-0.0001157	4.95E-06	2.02E-05	-2.03E-06
-2.00E-06	-4.16E-07	-1.45E-06	0	0	0	0	0	0	0	-3.41E-07	-0.0001341	-7.60E-05	-0.0001448	-0.0001532	5.70E-06	0.00032478	0.00030725	-0.0002672	-6.38E-08	-1.45E-07	-0.0001018	4.55E-05	8.78E-05	6.76E-05
-1.32E-06	3.58E-06	2.09E-06	0	0	0	0	0	0	0	1.47E-07	6.39E-05	8.84E-05	4.60E-05	5.23E-05	1.89E-06	0.00028414	0.00028328	-0.0003159	-4.84E-08	-8.24E-08	-8.96E-05	-8.45E-06	-2.52E-05	-5.96E-06
-6.87E-07	1.56E-06	8.62E-07	0	0	0	0	0	0	0	-1.65E-08	4.79E-05	-3.54E-05	7.49E-05	7.75E-05	2.70E-07	0.00027851	0.00026243	-0.0002736	-2.05E-08	-2.98E-08	-7.88E-05	-2.05E-05	-4.47E-05	-3.42E-05
-2.83E-07	1.09E-06	8.39E-07	0	0	0	0	0	0	0	-2.57E-08	-9.48E-05	-3.03E-05	-0.0001071	-0.0001148	-1.95E-07	0.00024993	0.00024244	-0.0002997	-5.78E-09	-6.22E-09	-6.94E-05	6.78E-06	2.11E-05	6.62E-06
-8.21E-08	2.94E-07	2.87E-07	0	0	0	0	0	0	0	1.98E-08	4.91E-05	5.93E-05	3.87E-05	4.26E-05	-2.83E-07	0.00024013	0.00022432	-0.0002745	-6.84E-10	5.97E-10	-6.10E-05	8.87E-06	2.14E-05	1.69E-05
-4.41E-09	-1.68E-07	-6.00E-08	0	0	0	0	0	0	0	-6.54E-09	3.02E-05	-3.97E-05	5.11E-05	5.49E-05	-2.21E-07	0.00021882	0.00020737	-0.0002878	3.76E-10	1.31E-09	-5.37E-05	-4.42E-06	-1.51E-05	-5.17E-06
1.59E-08	-1.09E-07	-3.69E-08	0	0	0	0	0	0	0	-5.89E-10	-6.68E-05	-3.39E-06	-7.89E-05	-8.59E-05	-1.47E-07	0.00020774	0.00019179	-0.0002723	3.20E-10	7.32E-10	-4.73E-05	-3.63E-06	-9.49E-06	-8.19E-06
1.49E-08	-9.14E-08	-5.60E-08	0	0	0	0	0	0	0	1.91E-09	3.74E-05	3.41E-05	3.19E-05	3.44E-05	-8.60E-08	0.00019105	0.00017733	-0.0002785	1.42E-10	2.61E-10	-4.16E-05	2.59E-06	9.91E-06	3.52E-06
9.26E-09	-4.03E-08	-2.95E-08	0	0	0	0	0	0	0	-1.07E-09	1.87E-05	-3.36E-05	3.46E-05	3.87E-05	-4.65E-08	0.00018009	0.00016399	-0.0002685	4.19E-11	5.29E-11	-3.66E-05	1.38E-06	3.68E-06	3.86E-06
4.52E-09	2.63E-09	-2.21E-09	0	0	0	0	0	0	0	2.25E-10	-4.69E-05	9.46E-06	-5.80E-05	-6.42E-05	-2.31E-08	0.00016654	0.00015164	-0.0002707	5.92E-12	-6.20E-12	-3.22E-05	-1.42E-06	-6.09E-06	-2.21E-06
1.73E-09	5.65E-09	-2.69E-11	0	0	0	0	0	0	0	1.12E-10	2.82E-05	1.57E-05	2.59E-05	2.76E-05	-1.06E-08	0.00015631	0.00014023	-0.0002638	-2.14E-12	-1.19E-11	-2.83E-05	-4.69E-07	-1.07E-06	-1.76E-06
4.33E-10	6.64E-09	2.98E-09	0	0	0	0	0	0	0	-1.24E-10	1.13E-05	-2.40E-05	2.31E-05	2.72E-05	-4.34E-09	0.00014503	0.00012967	-0.0002638	-2.10E-12	-6.51E-12	-2.49E-05	7.39E-07	3.55E-06	1.32E-06
-3.65E-11	4.07E-09	2.34E-09	0	0	0	0	0	0	0	5.20E-11	-3.29E-05	1.34E-05	-4.25E-05	-4.79E-05	-1.49E-09	0.00013577	0.00011991	-0.0002587	-9.75E-13	-2.28E-12	-2.19E-05	1.25E-07	3.04E-08	7.69E-07
-1.36E-10	6.24E-10	5.35E-10	0	0	0	0	0	0	0	-3.46E-12	2.12E-05	4.22E-06	2.07E-05	2.20E-05	-3.21E-10	0.00012623	0.00011088	-0.0002574	-3.02E-13	-4.50E-13	-1.93E-05	-3.69E-07	-1.97E-06	-7.62E-07
-1.10E-10	-1.07E-10	2.12E-10	0	0	0	0	0	0	0	-1.01E-11	6.64E-06	-1.47E-05	1.53E-05	1.90E-05	7.91E-11	0.00011798	0.00010253	-0.0002533	-4.90E-14	6.30E-14	-1.70E-05	-9.92E-09	2.98E-07	-3.17E-07
-6.36E-11	-4.00E-10	-9.91E-11	0	0	0	0	0	0	0	7.23E-12	-2.29E-05	1.24E-05	-3.11E-05	-3.57E-05	1.63E-10	0.00010982	9.48E-05	-0.0002514	1.16E-14	1.07E-13	-1.50E-05	1.77E-07	1.05E-06	4.25E-07
-2.93E-11	-3.44E-10	-1.53E-10	0	0	0	0	0	0	0	-2.17E-12	1.58E-05	-1.84E-06	1.65E-05	1.74E-05	1.41E-10	0.00010256	8.77E-05	-0.0002479	1.37E-14	5.78E-14	-1.32E-05	-1.90E-08	-3.32E-07	1.19E-07
-1.04E-11	-1.04E-10	-5.35E-11	0	0	0	0	0	0	0	-3.40E-13	3.70E-06	-7.56E-06	9.97E-06	1.32E-05	9.64E-11	9.55E-05	8.11E-05	-0.0002457	6.68E-15	2.00E-14	-1.16E-05	-8.18E-08	-5.29E-07	-2.32E-07
-2.06E-12	-2.17E-11	-2.81E-11	0	0	0	0	0	0	0	7.29E-13	-1.60E-05	9.44E-06	-2.27E-05	-2.65E-05	5.82E-11	8.92E-05	7.50E-05	-0.0002426	2.16E-15	3.81E-15	-1.02E-05	2.00E-08	2.69E-07	-3.75E-08
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-1.74E-28	-2.27E-25	5.33E-27	0	0	0	0	0	0	0	4.37E-30	-2.70E-08	1.69E-09	-5.14E-08	-3.03E-08	2.08E-26	2.20E-06	1.18E-06	-0.0001341	-3.85E-39	-1.52E-36	-1.16E-08	1.21E-16	1.59E-14	1.63E-15
-3.15E-29	-9.48E-26	-8.51E-27	0	0	0	0	0	0	0	-5.94E-30	-8.59E-09	6.80E-09	-3.76E-08	-9.91E-08	-1.03E-26	2.05E-06	1.10E-06	-0.0001326	-7.42E-39	-4.43E-37	-1.02E-

5.48E-55	3.33E-49	-4.38E-51	0	0	0	0	0	0	0	-2.87E-56	-4.49E-13	7.16E-14	-4.38E-13	2.38E-11	5.41E-51	5.40E-09	1.41E-09	-5.12E-05	-6.86E-76	3.46E-72	-1.95E-13	-6.56E-31	7.52E-25	1.56E-27
2.27E-55	2.66E-49	-2.12E-51	0	0	0	0	0	0	0	7.38E-57	-1.26E-12	-8.68E-14	-9.76E-12	-2.84E-11	1.99E-51	5.03E-09	1.31E-09	-5.07E-05	1.68E-76	-4.22E-73	-1.71E-13	1.64E-30	3.83E-26	-5.72E-28
6.72E-56	1.25E-49	-5.28E-52	0	0	0	0	0	0	0	2.12E-57	1.52E-12	3.72E-14	9.43E-12	6.74E-12	5.35E-52	4.69E-09	1.21E-09	-5.01E-05	1.95E-76	-7.86E-73	-1.51E-13	9.32E-32	-4.23E-25	-7.47E-28
4.38E-57	2.76E-50	1.12E-52	0	0	0	0	0	0	0	-3.09E-57	-3.91E-13	2.72E-14	-8.33E-13	1.71E-11	7.03E-55	4.38E-09	1.12E-09	-4.95E-05	9.47E-77	-4.29E-73	-1.33E-13	-7.92E-31	4.62E-26	3.72E-28
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8.67E-59	1.20E-52	-9.55E-56	0	0	0	0	0	0	0	2.35E-60	-2.14E-13	-1.36E-14	-9.25E-13	6.24E-12	-1.53E-54	2.33E-09	5.52E-10	-4.48E-05	8.10E-81	-6.42E-77	-4.20E-14	2.19E-32	9.88E-27	9.15E-30
5.06E-59	-2.58E-53	4.86E-55	0	0	0	0	0	0	0	9.49E-61	-2.44E-13	-3.45E-15	-2.36E-12	-9.05E-12	-4.61E-55	2.18E-09	5.11E-10	-4.43E-05	4.39E-81	-3.38E-77	-3.70E-14	1.07E-32	-1.56E-26	-2.24E-29

SEOEe11ged	SEOEe12ged	SEOEe11std	SEOEe11nor	SEOEe12nor	SEAls11ged	SEAle11ged	SEAls12ged	SEAle11std	SEAls11nor	SEAls12nor	SEAle11nor	SEAle12nor	SEIse11ged	SEIse12ged	SEIse21ged	SEIse11std	SEIse12std	SEIse11nor	SEIse12nor	SEIse21nor	SEISe11nor	SEISe12nor	SEISe21nor	SERe11ged
-0.0011553	-0.0012311	-0.0009643	-0.0007881	-0.0008132	-0.001578	-0.001178	-0.0011809	-0.001612	-0.0013466	-0.0010755	-0.0011099	-0.0011117	1.86E-05	1.98E-05	1.93E-05	1.61E-05	1.61E-05	1.55E-05	1.29E-05	1.40E-05	1.27E-05	1.49E-05	1.44E-05	-0.000675
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0	0	0	0	0	-0.0002871	-0.0003168	-0.0003165	0.00025745	0.00078069	0.00118929	0.00094047	0.00123973	4.71E-07	4.70E-07	5.23E-07	3.04E-07	3.05E-07	2.69E-07	1.57E-07	1.99E-07	1.48E-07	2.40E-07	2.19E-07	7.85E-06
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0	0	0	0	0	-4.50E-10	-7.18E-07	-7.28E-07	-4.04E-08	0.00015801	-0.0001408	-8.86E-05	-0.0001402	7.80E-20	7.77E-20	1.52E-19	4.87E-21	4.95E-21	2.25E-21	7.36E-23	3.38E-22	5.22E-23	1.09E-21	6.21E-22	0.00010694
0	0	0	0	0	-7.30E-11	-4.92E-07	-5.00E-07	-1.07E-08	4.65E-05	-2.19E-05	1.01E-05	-4.23E-05	1.24E-20	1.23E-20	2.50E-20	6.69E-22	6.81E-22	2.96E-22	8.11E-24	4.01E-23	5.64E-24	1.38E-22	7.65E-23	0.00010381
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SERe11stdF	SERe11stdF	SERe11norF	SERe12norF	SEAEe11gedF	SEAEe11gedF	SEAEe11norF	SEAEe12norF	SESOe11gedF	SESOe11stdF	SESOe12stdF	SETEe11gedF	SETEe12gedF	SETEs11stdF	SETEe11stdF	SETEe12stdF	SETEe11norF	SEBEe12gedF	SEBEe11stdF	SEBEe12norF	SEETe11gedF	SEETe12gedF	SEETe11stdF	SEETe12stdF	SEETe11norF
-0.0008761	-0.0007033	-0.0006802	-0.0006979	-0.0007548	-0.0004869	-0.0003533	-0.0005936	-0.001032	-0.0009377	-0.0009342	-0.0006847	-0.000663	-0.0006862	-0.0006318	-0.0006108	-0.0004041	-0.0007376	-0.000594	8.91E-05	-0.0010701	-0.0010593	-0.0009149	-0.0008682	-0.0007223
-0.0004558	-0.0002826	-0.0002661	-0.0002935	-0.0002401	-0.0001709	0.0004376	0.00050218	-0.0004591	-0.0004142	-0.000396	-0.0002848	-0.0002818	-0.0002938	-0.0002823	-0.0002772	-0.0002154	-0.0002512	-0.0002959	-0.0002254	-0.0003901	-0.00038	-0.0003987	-0.0004106	-0.0003333
-0.0001172	-6.39E-05	0.0001838	0.0001512	2.16E-05	-5.38E-05	0.00018377	0.00045162	0	0	0	0	0	0	0	0	0	0.00014609	0.000331695	5.62E-05	0	0	0	0	0
8.52E-05	4.23E-05	0.00051158	0.00047822	0.0001	-1.82E-05	-0.0002735	-0.0004622	0	0	0	0	0	0	0	0	0	0.00016635	-0.0002	-1.35E-05	0	0	0	0	0
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0.00015527	0.00010006	0.00050537	0.00048839	5.05E-05	-1.96E-06	0.00016951	0.0004181	0	0	0	0	0	0	0	0	0	0.0002426	2.70E-05	-1.85E-05	0	0	0	0	0
0.00010794	9.70E-05	0.00023226	0.00023216	1.89E-05	-6.37E-07	4.48E-05	0.00024368	0	0	0	0	0	0	0	0	0	0.00029512	-8.66E-05	-2.24E-05	0	0	0	0	0
5.39E-05	8.68E-05	-8.39E-05	-6.54E-05	1.23E-06	-2.11E-07	-0.0001043	-0.0003727	0	0	0	0	0	0	0	0	0	0.00024835	0.000107006	-0.0001104	0	0	0	0	0
1.16E-05	7.44E-05	-0.0003296	-0.0002965	-5.07E-06	-6.90E-08	-2.02E-05	-0.0001702	0	0	0	0	0	0	0	0	0	0.00027461	-9.75E-05	3.47E-06	0	0	0	0	0
-1.28E-05	6.19E-05	-0.0004305	-0.0003919	-5.23E-06	-2.28E-08	6.37E-05	0.00032794	0	0	0	0	0	0	0	0	0	0.00023884	7.03E-05	3.85E-05	0	0	0	0	0
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-1.33E-05	3.28E-05	2.67E-05	1.96E-05	-2.39E-07	-8.07E-10	-2.38E-06	-6.84E-05	0	0	0	0	0	0	0	0	0	0.00023192	1.30E-05	-4.47E-05	0	0	0	0	0
-6.32E-06	2.61E-05	0.00020874	0.00018142	2.35E-07	-2.66E-10	2.33E-05	0.00024526	0	0	0	0	0	0	0	0	0	0.00021206	-2.40E-05	-6.83E-05	0	0	0	0	0
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1.85E-06	1.63E-05	0.00027014	0.00023388	2.10E-07	-2.87E-11	-1.39E-05	-0.0002088	0	0	0	0	0	0	0	0	0	0.00019844	-2.17E-05	4.60E-05	0	0	0	0	0
2.80E-06	1.29E-05	0.00015606	0.00013404	9.93E-08	-9.44E-12	9.05E-07	-1.02E-05	0	0	0	0	0	0	0	0	0	0.00019735	1.43E-05	5.61E-05	0	0	0	0	0
2.48E-06	1.01E-05	3.90E-06	3.19E-06	2.50E-08	-3.10E-12	8.27E-06	0.00017591	0	0	0	0	0	0	0	0	0	0.00018527	-6.38E-06	-9.95E-07	0	0	0	0	0
1.62E-06	7.95E-06	-0.0001295	-0.0001093	-9.16E-09	-1.02E-12	-1.06E-06	-7.52E-06	0	0	0	0	0	0	0	0	0	0.00018256	-1.77E-07	-4.47E-05	0	0	0	0	0
7.36E-07	6.24E-06	-0.0002011	-0.0001678	-1.70E-08	-3.35E-13	-4.88E-06	-0.0001468	0	0	0	0	0	0	0	0	0	0.00017271	4.42E-06	-4.67E-05	0	0	0	0	0
8.59E-08	4.89E-06	-0.0001947	-0.0001602	-1.31E-08	-1.10E-13	9.45E-07	1.97E-05	0	0	0	0	0	0	0	0	0	0.00016907	-6.25E-06	3.40E-06	0	0	0	0	0
-2.64E-07	3.83E-06	-0.0001228	-9.90E-05	-6.83E-09	-3.63E-14	2.86E-06	0.0001212	0	0	0	0	0	0	0	0	0	0.00016083	6.11E-06	4.23E-05	0	0	0	0	0
-3.64E-07	3.00E-06	-1.86E-05	-1.30E-05	-2.16E-09	-1.19E-14	-7.46E-07	-2.76E-05	0	0	0	0	0	0	0	0	0	0.00015672	-4.71E-06	3.90E-05	0	0	0	0	0
-3.12E-07	2.35E-06	7.82E-05	6.46E-05	2.08E-10	-3.92E-15	-1.66E-06	-9.91E-05	0	0	0	0	0	0	0	0	0	0.00014966	2.78E-06	-5.69E-06	0	0	0	0	0
-1.98E-07	1.84E-06	0.00013548	0.00010867	9.13E-10	-1.29E-15	-5.52E-07	3.22E-05	0	0	0	0	0	0	0	0	0	0.00014536	-9.24E-07	-3.93E-05	0	0	0	0	0
-8.50E-08	1.44E-06	0.00013906	0.00010903	7.99E-10	-4.24E-16	9.61E-07	8.01E-05	0	0	0	0	0	0	0	0	0	0.00013919	-4.87E-07	-3.26E-05	0	0	0	0	0
-4.68E-09	1.13E-06	9.48E-05	7.21E-05	4.57E-10	-1.39E-16	-3.91E-07	-3.43E-05	0	0	0	0	0	0	0	0	0	0.00013488	1.31E-06	7.62E-06	0	0	0	0	0
3.68E-08	8.81E-07	2.41E-05	1.59E-05	1.70E-10	-4.58E-17	-5.51E-07	-6.40E-05	0	0	0	0	0	0	0	0	0	0.0001294	-1.56E-06	3.62E-05	0	0	0	0	0
4.72E-08	6.89E-07	-4.55E-05	-3.73E-05	1.04E-11	-1.51E-17	2.69E-07	3.46E-05	0	0	0	0	0	0	0	0	0	0.0001252	1.39E-06	2.70E-05	0	0	0	0	0
3.91E-08	5.39E-07	-9.04E-05	-6.99E-05	-4.64E-11	-4.95E-18	3.13E-07	5.05E-05	0	0	0	0	0	0	0	0	0	0.00012027	-9.85E-07	-9.13E-06	0	0	0	0	0
2.40E-08	4.22E-07	-9.85E-05	-7.37E-05	-4.75E-11	-1.63E-18	-1.81E-07	-3.36E-05	0	0	0	0	0	0	0	0	0	0.00011623	5.07E-07	-1.23E-05	0	0	0	0	0
9.72E-09	3.30E-07	-7.20E-05	-5.18E-05	-2.98E-11	-5.35E-19	-1.76E-07	-3.92E-05	0	0	0	0	0	0	0	0	0	0.00011177	-8.59E-08	-2.23E-05	0	0	0	0	0
-1.76E-10	2.58E-07	-2.45E-05	-1.54E-05	-1.26E-11	-1.76E-19	1.19E-07	3.18E-05	0	0	0	0	0	0	0	0	0	0.00010793	-2.08E-07	1.02E-05	0	0	0	0	0
-5.07E-09	2.02E-07	2.51E-05	2.08E-05	-2.12E-12	-5.78E-20	9.76E-08	3.00E-05	0	0	0	0	0	0	0	0	0	0.00010385	3.56E-07	2.98E-05	0	0	0	0	0
-6.09E-09	1.58E-07	5.96E-05	4.46E-05	2.16E-12	-1.90E-20	-7.75E-08	-2.94E-05	0	0	0	0	0	0	0	0	0	0.00010023	-3.76E-07	1.82E-05	0	0	0	0	0
-4.89E-09	1.24E-07	6.92E-05	4.96E-05	2.76E-12	-6.25E-21	-5.35E-08	-2.25E-05	0	0	0	0	0	0	0	0	0	9.65E-05	3.09E-07	-1.09E-05	0	0	0	0	0
-2.91E-09	9.67E-08	5.39E-05	3.69E-05	1.90E-12	-2.05E-21	-4.97E-08	2.67E-05	0	0	0	0	0	0	0	0	0	9.31E-05	-1.99E-07	-2.68E-05	0	0	0	0	0
-1.10E-09	7.57E-08	2.23E-05	1.35E-05	8.98E-13	-6.76E-22	2.89E-08	1.64E-05	0	0	0	0	0	0	0	0	0	8.96E-05	8.40E-08	-1.47E-05	0	0	0	0	0
1.17E-10	5.92E-08	-1.27E-05	-1.11E-05	2.23E-13	-2.22E-22	-3.16E-08	-2.38E-05	0	0	0	0	0	0	0	0	0	8.64E-05	9.00E-09	1.13E-05	0	0	0	0	0
6.91E-10	4.63E-08	-3.88E-05	-2.82E-05	-8.48E-14	-7.30E-23	-1.53E-08	-1.16E-05	0	0	0	0	0	0	0	0	0	8.33E-05	-6.79E-08	2.39E-05	0	0	0	0	0
7.84E-10	3.62E-08	-4.82E-05	-3.31E-05	-1.55E-13	-2.40E-23	1.99E-08	2.10E-05	0	0	0	0	0	0	0	0	0	8.03E-05	9.18E-08	1.16E-05	0	0	0	0	0
6.09E-10	2.83E-08	-3.99E-05	-2.60E-05	-1.19E-13	-7.88E-24	7.88E-09	7.76E-06	0	0	0	0	0	0	0	0	0	7.74E-05	-8.78E-08	-1.15E-05	0	0	0	0	0
3.50E-10	2.22E-08	-1.92E-05	-1.11E-05	-6.18E-14	-2.59E-24	-1.24E-08	-1.83E-05	0	0	0	0	0	0	0	0	0	7.46E-05	6.63E-08	-1.13E-05	0	0	0	0	0
1.22E-10	1.73E-08	5.38E-06	5.46E-06	-1.94E-14	-8.53E-25	-3.94E-09	-4.83E-06	0	0	0	0	0	0	0	0	0	7.19E-05	-3.81E-08	-9.04E-06	0	0	0	0	0
-2.65E-11	1.36E-08	2.48E-05	1.77E-05	2.00E-15	-2.80E-25	7.66E-09	1.58E-05	0	0	0	0	0	0	0	0	0	6.93E-05	1.15E-08	1.14E-05	0	0	0	0	0
-9.33E-11	1.06E-08	3.33E-05	2.20E-05	8.33E-15	-9.22E-26	1.87E-09	2.61E-06	0	0	0	0	0	0	0	0	0	6.67E-05	8.40E-09	1.88E-05	0	0	0	0	0
-1.00E-10	8.30E-09	2.92E-05	1.82E-05	7.26E-15	-3.03E-26	-4.70E-09	-1.35E-05	0	0	0	0	0	0	0	0	0	6.43E-05	-1.96E-08	6.84E-06	0	0	0	0	0
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4.79E-12	3.11E-09	-2.28E-05	-1.45E-05	-4.24E-16	-3.54E-28	-1.74E-09	-9.53E-06	0	0	0	0	0	0	0	0	0	5.55E-05	-6.83E-09	1.07E-05	0	0	0	0	0
1.25E-11	2.43E-09	-2.12E-05	-1.26E-05	-4.32E-16	-1.16E-28	-7.64E-11	1.08E-06	0	0	0	0	0	0	0	0	0	5.35E-05	8.21E-10	1.45E-05	0	0	0	0	0
1.28E-11	1.90E-09	-1.26E-05	-6.69E-06	-2.70E-16	-3.83E-29	1.04E-09	7.89E-06	0	0	0	0	0	0	0	0	0	5.16E-05	3.29E-09	3.44E-06	0	0	0	0	0
9.37E-12	1.49E-09	-8.68E-07	6.55E-07	-1.14E-16	-1.26E-29	-2.02E-11	-1.62E-06	0	0	0	0	0	0	0	0	0	4.97E-05	-5.27E-09	-1.02E-05	0	0	0	0	0
5.01E-12	1.16E-09	9.62E-06	6.68E-06	-1.88E-17	-4.14E-30	-6.23E-10	-6.46E-06	0	0	0	0	0	0	0	0	0	4.79E-05	5.43E-09	-1.26E-05	0	0	0	0	0
1.41E-12	9.10E-10	1.54E-05	9.53E-06	1.98E-17	-1.36E-30	5.14E-11	1.95E-06	0	0	0	0	0	0	0	0	0	4.62E-05	-4.38E-09	-2.15E-06	0	0	0	0	0
-7.82E-13	7.12E-10	1.52E-05	8.70E-06	2.51E-17	-4.47E-31	3.70E-10	5.24E-06	0	0	0	0	0	0	0	0	0	4.45E-05	2.75E-09	9.68E-06	0	0	0	0	0
-1.66E-12	5.57E-10	9.86E-06	5.02E-06	1.73E-17	-1.47E-31	-5.41E-11	-2.11E-06	0	0	0	0	0	0	0	0	0	4.29E-05	-1.10E-09	1.09E-05	0	0	0	0	0
-1.63E-12	4.36E-10	1.84E-06	1.67E-07	8.12E-18	-4.84E-32	-2.18E-10	-4.20E-06	0	0	0	0	0	0	0	0	0	4.13E-05	-2.21E-10	1.13E-06	0	0	0	0	0
-1.16E-12	3.41E-10	-5.75E-06	-4.02E-06	2.00E-18	-1.59E-32	4.62E-11	2.15E-06	0	0	0	0	0	0	0	0	0	3.98E-05	1.03E-09	-9.08E-06	0	0	0	0	0
-5.94E-13	2.67E-10	-1.04E-05	-6.22E-06	-7.85E-19	-5.23E-33	1.27E-10	3.32E-06	0	0	0	0	0	0	0	0	0	3.84E-05	-1.34E-09	-9.38E-06	0	0	0	0	0
-1.45E-13	2.09E-10	-1.09E-05	-5.96E-06	-1.41E-18	-1.72E-33	-3.57E-11	-2.11E-06	0	0	0	0	0	0	0	0	0	3.70E-05	1.26E-09	-2.53E-07	0	0	0	0	0
1.20E-13	1.63E-10	-7.57E-06	-3.70E-06	-1.08E-18	-5.65E-34	-7.40E-11	-2.59E-06	0	0	0	0	0	0	0	0	0	3.57E-05	-9.34E-10	8.45E-06	0	0	0	0	0
2.19E-13	1.28E-10	-2.14E-06	-5.15E-07	-5.59E-19	-1.86E-34	2.60E-11	2.01E-06	0	0	0	0	0	0	0	0	0	3.44E-05	5.21E-10	8.02E-06	0	0	0	0	0
2.07E-13	9.98E-11	3.30E-06	2.17E-06	6.71E-19	-6.11E-35	4.26E-11	1.99E-06	0	0	0	0	0	0	0	0	0	3.31E-05	1.39E-10	-4.32E-07	0	0	0	0	0
1.42E-13	7.81E-11	6.89E-06	4.02E-06	1.92E-20	-2.01E-35	-1.83E-11	-1.86E-06	0	0	0	0	0	0	0	0	0	3.19E-05	-1.41E-10	-7.80E-06	0	0	0	0	0
7.01E-14	6.11E-11	7.67E-06	4.05E-06	7.60E-20	-6.60E-36	-2.43E-11	-1.50E-06	0	0	0	0	0	0	0	0	0	3.08E-05	2.93E-10	-6.80E-06	0	0	0	0	0
1.41E-14	4.78E-11	5.72E-06	2.69E-06	6.59E-20	-2.17E-36	1.25E-11	1.70E-06	0	0	0	0	0	0	0	0	0	2.97E-05	-3.30E-10	9.52E-07	0	0	0	0	0
-1.78E-14	3.74E-11	2.09E-06	6.13E-07	3.75E-20	-7.13E-37	1.38E-11	1.10E-06	0	0	0	0	0	0	0	0	0	2.86E-05	2.84E-10	7.16E-06	0	0	0	0	0
-2.88E-14	2.92E-11	-1.78E-06	-1.37E-06	1.38E-20	-2.35E-37	-8.33E-12	-1.52E-06	0	0	0	0	0	0	0	0	0	2.75E-05	-1.92E-10	5.72E-06	0	0	0	0	0
-2.62E-14	2.29E-11	-4.53E-06	-2.59E-06	7.28E-22	-7.71E-38	-7.72E-12	-7.83E-07	0	0	0	0	0	0	0	0	0	2.66E-05	9.15E-11	-1.35E-06	0	0	0	0	0
-1.75E-14	1.79E-11	-5.37E-06	-2.74E-06	-3.88E-21	-2.54E-38	5.47E-12	1.35E-06	0	0	0	0	0	0	0	0	0	2.56E-05	-5.89E-12	-6.54E-06	0	0	0	0	0
-8.21E-15	1.40E-11	-4.27E-06	-1.93E-06	-3.93E-21	-8.34E-39	4.27E-12	5.33E-07	0	0	0	0	0	0	0	0	0	2.47E-05	-5.13E-11	-4.77E-06	0	0	0	0	0
-1.26E-15	1.09E-11	-1.86E-06	-5.87E-07	-2.45E-21	-2.74E-39	-3.55E-12	-1.18E-06	0	0	0	0	0	0	0	0	0	2.38E-05	7.78E-11	1.65E-06	0	0	0	0	0
2.57E-15	8.56E-12	8.62E-07	7.61E-07	-1.03E-21	-9.01E-40	-2.33E-12	-3.39E-07	0	0	0	0	0	0	0	0	0	2.29E-05	-7.84E-11	5.93E-06	0	0	0	0	0
3.76E-15	6.70E-12	2.93E-06	1.65E-06	-1.67E-22	-2.96E-40	2.27E-12	1.02E-06	0	0	0	0	0	0	0	0	0	2.21E-05	6.20E-11	3.94E-06	0	0	0	0	0
3.30E-15	5.24E-12	3.73E-06	1.84E-06	1.82E-22	-9.74E-41	1.25E-12	1.91E-07	0	0	0	0	0	0	0	0	0	2.13E-05	-3.80E-11	-1.85E-06	0	0	0	0	0
2.14E-15	4.10E-12	3.15E-06	1.38E-06	2.28E-22	-3.20E-41	-1.44E-12	-8.72E-07	0	0	0	0	0	0	0	0	0	2.05E-05	1.41E-11	-5.36E-06	0	0	0	0	0
9.53E-16	3.21E-12	1.57E-06	5.09E-07	1.57E-22	-1.05E-41	-6.59E-13	-8.04E-08	0	0	0	0	0	0	0	0	0	1.98E-05	4.48E-12	-3.22E-06	0	0	0	0	0
9.32E-17	2.51E-12	-3.30E-07	-4.03E-07	7.34E-23	-3.46E-42	9.02E-13	7.38E-07	0	0	0	0	0	0	0	0	0	1.90E-05	-1.57E-11	1.98E-06	0	0	0	0	0
-3.63E-16	1.96E-12	-1.87E-06	-1.04E-06	1.79E-23	-1.14E-42	3.37E-13	-3.56E-11	0	0	0	0	0	0	0	0	0	1.84E-05	1.97E-11	4.81E-06	0	0	0	0	0
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-4.14E-16	1.20E-12	-2.30E-06	-9.70E-07	-1.28E-23	-1.23E-43	-1.66E-13	5.65E-08	0	0	0	0	0	0	0	0	0	1.70E-05	1.31E-11	-2.05E-06	0	0	0	0	0
-2.60E-16	9.39E-13	-1.28E-06	-4.17E-07	-9.80E-24	-4.04E-44	3.46E-13	5.13E-07	0	0	0	0	0	0	0	0	0	1.64E-05	-7.09E-12	-4.29E-06	0	0	0	0	0
-1.10E-16	7.35E-13	3.63E-08	1.97E-07	-5.06E-24	-1.33E-44	7.78E-14	-9.43E-08	0	0	0	0	0	0	0	0	0	1.58E-05	1.62E-12	-2.06E-06	0	0	0	0	0
-3.59E-18	5.75E-13	1.17E-06	6.52E-07	-1.57E-24	-4.37E-45	-2.12E-13	-4.22E-07	0	0	0	0	0	0	0	0	0	1.53E-05	2.30E-12	2.08E-06	0	0	0	0	0
5.05E-17	4.49E-13	1.75E-06	8.17E-07	1.83E-25	-1.44E-45	-3.31E-14	1.18E-07	0	0	0	0	0	0	0	0	0	1.47E-05	-4.37E-12	3.81E-06	0	0	0	0	0
6.33E-17	3.52E-13	1.66E-06	6.78E-07	8.04E-25	-4.72E-46	1.29E-13	3.43E-07	0	0	0	0	0	0	0	0	0	1.42E-05	4.79E-12	1.59E-06	0	0	0	0	0
5.19E-17	2.75E-13	1.02E-06	3.28E-07	5.99E-25	-1.55E-46	1.17E-14	-1.30E-07	0	0	0	0	0	0	0	0	0	1.37E-05	-4.04E-12	-2.06E-06	0	0	0	0	0
3.16E-17	2.15E-13	1.11E-07	-8.23E-08	3.40E-25	-5.11E-47	-7.79E-14	-2.75E-07	0	0	0	0	0	0	0	0	0	1.32E-05	2.68E-12	-3.37E-06	0	0	0	0	0
1.25E-17	1.68E-13	-7.13E-07	-4.03E-07	1.25E-25	-1.68E-47	-2.06E-15	1.34E-07	0	0	0	0	0	0	0	0	0	1.27E-05	-1.22E-12	-1.20E-06	0	0	0	0	0
-5.61E-19	1.32E-13	-1.19E-06	-5.39E-07	6.03E-27	-5.52E-48	4.68E-14	2.19E-07	0	0	0	0	0	0	0	0	0	1.22E-05	4.90E-16	2.01E-06	0	0	0	0	0
-6.93E-18	1.03E-13	-1.19E-06	-4.70E-07	-3.55E-26	-1.81E-48	-1.72E-15	-1.32E-07	0	0	0	0	0	0	0	0	0	1.18E-05	7.95E-13	3.88E-06	0	0	0	0	0
-8.16E-18	8.06E-14	-7.91E-07	-2.51E-07	-3.57E-26	-5.97E-49	-2.79E-14	-1.71E-07	0	0	0	0	0	0	0	0	0	1.14E-05	-1.15E-12	8.73E-07	0	0	0	0	0
-6.48E-18	6.30E-14	-1.73E-07	2.16E-08	-2.22E-26	-1.96E-49	2.79E-15	1.26E-07	0	0	0	0	0	0	0	0	0	1.10E-05	1.13E-12	-1.94E-06	0	0	0	0	0
-3.81E-18	4.93E-14	4.21E-07	2.46E-07	-9.29E-27	-6.45E-50	1.65E-14	1.32E-07	0	0	0	0	0	0	0	0	0	1.06E-05	-8.76E-13	-2.59E-06	0	0	0	0	0
-1.40E-18	3.86E-14	7.94E-07	3.53E-07	-1.48E-27	-2.12E-50	-2.71E-15	-1.18E-07	0	0	0	0	0	0	0	0	0	1.02E-05	5.23E-13	-5.98E-07	0	0	0	0	0
1.96E-19	3.02E-14	8.46E-07	3.24E-07	1.67E-27	-6.97E-51	-9.71E-15	-9.97E-08	0	0	0	0	0	0	0	0	0	9.80E-06	-1.80E-13	1.85E-06	0	0	0	0	0
9.41E-19	2.36E-14	6.04E-07	1.88E-07	2.28E-27	-2.29E-51	2.24E-15	1.08E-07	0	0	0	0	0	0	0	0	0	9.47E-06	-8.28E-14	1.25E-06	0	0	0	0	0
1.05E-18	1.85E-14	1.87E-07	7.97E-09	1.42E-27	-7.54E-52	5.67E-15	7.37E-08	0	0	0	0	0	0	0	0	0	9.11E-06	2.37E-13	3.70E-07	0	0	0	0	0
8.07E-19	1.44E-14	-2.38E-07	-1

-2.12E-29	1.03E-21	2.23E-09	8.88E-10	-6.65E-44	-1.06E-84	-1.57E-22	-1.13E-10	0	0	0	0	0	0	0	0	0	7.41E-07	2.08E-19	6.57E-08	0	0	0	0	0
1.01E-29	8.07E-22	4.63E-09	1.12E-09	-3.39E-44	-3.49E-85	1.35E-24	2.72E-10	0	0	0	0	0	0	0	0	0	7.14E-07	-1.63E-19	1.54E-07	0	0	0	0	0
2.29E-29	6.31E-22	5.13E-09	9.40E-10	-1.03E-44	-1.15E-85	9.38E-23	6.98E-11	0	0	0	0	0	0	0	0	0	6.89E-07	9.83E-20	8.15E-08	0	0	0	0	0
2.28E-29	4.94E-22	3.82E-09	4.62E-10	1.49E-45	-3.77E-86	-6.74E-24	-2.34E-10	0	0	0	0	0	0	0	0	0	6.64E-07	-3.50E-20	-6.77E-08	0	0	0	0	0
1.64E-29	3.86E-22	1.38E-09	-1.03E-10	4.81E-45	-1.24E-86	-5.57E-23	-3.71E-11	0	0	0	0	0	0	0	0	0	6.40E-07	-1.40E-20	-1.38E-07	0	0	0	0	0
8.53E-30	3.02E-22	-1.20E-09	-5.49E-10	4.08E-45	-4.08E-87	7.55E-24	2.00E-10	0	0	0	0	0	0	0	0	0	6.16E-07	4.30E-20	-6.43E-08	0	0	0	0	0
2.20E-30	2.36E-22	-3.04E-09	-7.41E-10	2.28E-45	-1.34E-87	3.29E-23	1.29E-11	0	0	0	0	0	0	0	0	0	5.94E-07	-5.27E-20	6.81E-08	0	0	0	0	0
-1.58E-30	1.85E-22	-3.60E-09	-6.51E-10	8.22E-46	-4.41E-88	-6.60E-24	-1.69E-10	0	0	0	0	0	0	0	0	0	5.73E-07	4.78E-20	1.22E-07	0	0	0	0	0
-3.03E-30	1.45E-22	-2.85E-09	-3.53E-10	2.51E-47	-1.45E-88	-1.93E-23	4.61E-12	0	0	0	0	0	0	0	0	0	5.52E-07	-3.44E-20	4.97E-08	0	0	0	0	0
-2.90E-30	1.13E-22	-1.24E-09	2.25E-11	-2.48E-46	-4.76E-89	5.16E-24	1.41E-10	0	0	0	0	0	0	0	0	0	5.32E-07	1.82E-20	-6.73E-08	0	0	0	0	0
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-1.01E-30	6.92E-23	1.97E-09	4.85E-10	-1.50E-46	-5.15E-90	-3.80E-24	-1.17E-10	0	0	0	0	0	0	0	0	0	4.94E-07	-6.54E-21	-3.72E-08	0	0	0	0	0
-2.19E-31	5.41E-23	2.50E-09	4.48E-10	-6.17E-47	-1.69E-90	-6.46E-24	2.47E-11	0	0	0	0	0	0	0	0	0	4.76E-07	1.19E-20	6.55E-08	0	0	0	0	0
2.37E-31	4.24E-23	2.11E-09	2.63E-10	-9.04E-48	-5.57E-91	2.68E-24	9.54E-11	0	0	0	0	0	0	0	0	0	4.59E-07	-1.28E-20	9.48E-08	0	0	0	0	0

SEETe12norF	SECHe13zeroF	SECHe12zeroF	SECHe11zeroF	SECHe12stdF	SECHe11stdF	SECHe11norF	SECHe12norF	SECHe12norF	SEAPe11gedF	SEAPe11stdF	SEAPe12stdF	SEAPe11norF	SEAPe12norF	BITCs11gedF	BITCs12gedF	BITCs12gedF	BITCe11norF	BITCe12norF	BITCe11norF	LITCs12gedF	LITCe11gedF	LITCe12gedF	LITCs11norF	LITCe11norF	LITCe12norF
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0	0.00018183	0.00031042	0.00029975	0.00013549	0.00063478	0.00064572	0.00051244	-3.38E-05	-5.84E-05	-2.01E-05	-0.0003005	-0.0003141	0.00184257	0.00185575	0.00172741	0.01113803	-0.0006626	0.00883043	3.07E-10	0.00055099	0.00088362	0.00127708	0.00257799	0.00233209
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0	0.00016962	0.00012702	0.00011136	0.00016789	0.00028799	0.00029807	0.00027385	3.87E-07	0.00020604	0.00021455	-0.0003306	-0.0003165	0.00164894	0.00164519	0.00156245	-0.011042	-2.24E-05	-0.0089403	1.30E-10	2.01E-05	-6.91E-05	0.00021352	-0.0001408	-0.0001829
0	8.86E-06	0.00010644	0.00020494	-1.98E-05	9.20E-05	0.00013392	0.00010312	-1.77E-08	-8.40E-05	-9.06E-05	0.00022869	0.00022265	0.00160088	0.00159639	0.00151523	-0.0073187	-0.0008208	-0.0046448	3.36E-10	-0.0001526	-0.0001515	-0.0023007	-0.0043719	-0.0042833
0	-0.0001272	-0.0001607	-0.0002278	-9.36E-05	-0.0002554	-0.0002993	-0.0002806	-4.34E-07	-1.97E-05	-2.02E-05	9.55E-05	0.00011076	0.00155519	0.00154652	0.00146677	0.00316372	0.00039986	0.00392676	3.31E-11	-9.57E-05	-6.29E-05	-0.0029494	-0.0048927	-0.0045669
0	0.0001221	4.13E-05	-1.78E-05	0.00011558	0.00011368	0.00010004	0.00011837	1.01E-07	7.17E-05	7.81E-05	-0.0002442	-0.0002519	0.00150392	0.00149777	0.00142112	0.01074027	0.00058232	0.00887887	3.41E-10	-1.59E-05	3.76E-06	-0.0013821	-0.0015519	-0.0012857
0	-3.45E-05	7.94E-05	0.00019969	-6.17E-05	9.26E-05	0.00014701	0.00013031	3.86E-07	-7.38E-05	-8.13E-05	8.22E-05	7.44E-05	0.00145752	0.00145066	0.00137607	0.00841484	0.00068189	0.00565221	3.63E-11	1.62E-05	1.73E-05	0.00109606	0.0024875	0.00258415
0	-5.03E-05	-8.38E-05	-0.0001178	-1.21E-05	-0.0001394	-0.0001674	-0.0001814	-1.79E-07	4.63E-05	5.06E-05	0.00014121	0.00015497	0.00141258	0.00140507	0.00133248	-0.0016795	-0.0002088	-0.0027786	3.39E-10	1.38E-05	8.16E-06	0.00259822	0.00417169	0.00397889
0	7.48E-05	5.42E-06	-8.65E-05	5.55E-05	3.37E-05	4.92E-06	2.81E-05	-3.26E-07	-1.23E-05	-1.19E-05	-0.0001571	-0.0001609	0.00136903	0.0013609	0.00129027	-0.0102372	-0.0007611	-0.0086475	9.34E-12	3.86E-06	9.65E-08	0.00208479	0.00250525	0.00212613
0	-4.04E-05	5.27E-05	0.00015455	-5.22E-05	7.00E-05	0.00011557	0.00011819	2.39E-07	-1.20E-05	-1.59E-05	-1.06E-05	-2.04E-05	0.00132681	0.00131812	0.0012494	-0.0093585	-0.0001902	-0.0065503	-3.32E-10	-1.41E-06	-1.93E-06	7.12E-05	-0.0008581	-0.0011412
0	-1.14E-05	-4.08E-05	-3.12E-05	1.88E-05	-7.05E-05	-7.91E-05	-0.0001043	2.56E-07	2.14E-05	2.62E-05	0.00013209	0.00014327	0.0012859	0.00127668	0.00120982	0.00055816	0.00063245	0.00157855	5.32E-11	-1.86E-06	-1.04E-06	-0.0018575	-0.003177	-0.0031231
0	3.96E-05	-6.87E-06	-0.0001067	1.53E-05	1.59E-06	-3.05E-05	-1.67E-05	-2.80E-07	-1.85E-05	-2.17E-05	-7.72E-05	-7.67E-05	0.00124624	0.00123655	0.00117149	0.00954137	0.00050678	0.00825069	3.19E-10	-7.27E-07	-7.69E-08	-0.002287	-0.0028222	-0.0024464
0	-3.20E-05	3.24E-05	9.66E-05	-2.96E-05	4.60E-05	7.61E-05	9.10E-05	-1.81E-07	9.59E-06	1.04E-05	-5.52E-05	-6.58E-05	0.00120781	0.00119767	0.00113438	0.01013142	-0.0003467	0.00732197	9.45E-11	6.76E-08	2.12E-07	-0.0010032	-0.0003766	3.76E-05
0	4.71E-06	-1.82E-05	2.39E-05	2.17E-05	-3.26E-05	-2.81E-05	-5.11E-05	3.03E-07	-7.24E-07	5.73E-07	9.73E-05	0.00010476	0.00117057	0.00116002	0.00109844	0.00137218	-0.0006639	-0.0003495	-3.01E-10	2.34E-07	1.30E-07	0.00093184	0.00206572	0.00218584
0	1.76E-05	-9.06E-06	-9.55E-05	-3.37E-06	-8.37E-06	-3.58E-05	-3.34E-05	1.05E-07	-4.67E-06	-6.88E-06	-1.91E-05	-1.50E-05	0.00113447	0.00112356	0.00106364	-0.008665	-8.02E-06	-0.0076964	-1.33E-10	1.21E-07	1.69E-08	0.00204881	0.00265951	0.00237945
0	-2.10E-05	1.86E-05	4.37E-05	-1.12E-05	2.75E-05	4.33E-05	6.23E-05	-3.08E-07	5.96E-06	7.88E-06	-6.51E-05	-7.48E-05	0.00109949	0.00108824	0.00102995	-0.0107186	0.00063262	-0.0079526	2.77E-10	8.81E-09	-2.27E-08	0.001581	0.00117372	0.00071006
0	8.95E-06	-7.01E-06	4.98E-05	1.45E-05	-1.33E-05	-2.89E-06	-1.83E-05	-3.24E-08	-4.39E-06	-5.31E-06	5.75E-05	6.08E-05	0.00106559	0.00105403	0.00099732	-0.0102883	0.00032128	-0.0078848	1.67E-10	-2.70E-08	-1.61E-08	-1.91E-05	-0.0010241	-0.001302
0	5.63E-06	-7.65E-06	-6.90E-05	-8.15E-06	-9.28E-06	-2.89E-05	-3.45E-05	2.97E-07	1.77E-06	1.64E-06	1.46E-05	2.08E-05	0.00103273	0.00102089	0.00096572	0.00762361	-0.0004364	0.00699523	-2.50E-10	-1.84E-08	-2.92E-09	-0.0014961	-0.0021893	-0.0020594
0	-1.19E-05	1.01E-05	4.77E-06	-1.11E-06	1.52E-05	2.09E-05	3.81E-05	-3.36E-08	4.32E-07	1.20E-06	-5.53E-05	-6.27E-05	0.00100088	0.0009888	0.00093513	0.01110842	-0.0005424	0.0084302	-1.97E-10	-3.64E-09	2.37E-09	-0.0017707	-0.001563	-0.0011315
0	8.09E-06	-1.96E-06	5.38E-05	6.79E-06	-4.24E-06	6.84E-06	-5.08E-07	-2.73E-07	-1.53E-06	-2.42E-06	2.42E-05	2.39E-05	0.00097002	0.00095772	0.0009055	0.0043461	0.00014032	0.00210091	2.20E-10	2.75E-09	1.95E-09	-0.0007228	0.00017066	0.00055637
0	1.37E-07	-5.45E-06	-3.96E-05	-6.64E-06	-7.26E-06	-1.93E-05	-2.86E-05	9.06E-08	1.57E-06	2.17E-06	2.84E-05	3.50E-05	0.00094011	0.00092761	0.00087682	-0.0064361	0.00059223	-0.0061609	2.23E-10	2.60E-09	4.52E-10	0.00078593	0.00157122	0.00160582
0	-5.78E-06	5.16E-06	-1.81E-05	2.58E-06	7.87E-06	7.77E-06	2.05E-05	2.26E-07	-8.80E-07	-1.15E-06	-3.77E-05	-4.21E-05	0.00091112	0.00089845	0.00084904	-0.0112927	-0.0001658	-0.0087459	1.86E-10	8.05E-10	-2.37E-10	0.00116131	0.00161959	0.00128456
0	5.73E-06	4.36E-08	4.46E-05	1.75E-06	-5.06E-07	8.66E-06	7.42E-06	-1.37E-07	2.58E-07	8.19E-08	1.83E-06	-8.80E-07	0.00088302	0.0008702	0.00082214	0.0065734	-0.0004812	-0.0032754	-1.43E-10	-2.18E-09	-2.34E-10	0.00119608	0.00043842	-0.001025
0	-1.76E-06	-3.51E-06	-1.47E-05	-3.67E-06	-4.87E-06	-1.12E-05	-2.08E-05	-1.95E-07	2.59E-07	5.90E-07	2.88E-05	3.46E-05	0.00085579	0.00084285	0.0007961	0.00512385	-0.0004091	0.00520951	1.50E-10	-3.44E-10	-6.56E-11	-7.32E-05	-0.000935	-0.0011148
0	-2.23E-06	2.44E-06	-2.70E-05	2.80E-06	3.68E-06	1.15E-06	8.93E-06	1.71E-07	-4.57E-07	-7.54E-07	-2.02E-05	-2.18E-05	0.0008294	0.00081635	0.00077088	0.01126732	0.00025174	0.00889369	2.59E-10	-1.46E-10	2.24E-11	-0.0012021	-0.0014402	-0.0012392
0	3.47E-06	6.50E-07	3.01E-05	-5.34E-07	7.32E-07	7.19E-06	9.53E-06	1.47E-07	3.93E-07	5.49E-07	-9.90E-06	-1.38E-05	0.00080383	0.00079069	0.00074646	0.00702052	0.00052151	0.00438593	-1.13E-10	5.87E-12	2.77E-11	-0.0013689	-0.0007976	-0.0003904
0	-1.95E-06	-2.11E-06	2.32E-06	-1.34E-06	-2.96E-06	-5.52E-06	-1.35E-05	-1.93E-07	-2.03E-07	-2.06E-07	2.25E-05	2.66E-05	0.00077904	0.00076853	0.00072281	-0.003711	2.60E-05	-0.0041594	2.69E-10	4.24E-11	9.13E-12	-0.0005163	0.00037202	0.00006553
0	-4.53E-07	1.05E-06	2.64E-06	1.81E-06	1.54E-06	-1.50E-06	2.20E-06	-9.68E-08	-1.42E-06	-2.64E-06	6.69E-06	6.17E-06	0.00075502	0.00074576	0.00070176	0.00699991	0.00010318	-0.0042868	-6.97E-11	2.35E-11	-1.94E-12	0.00085833	0.00015283	0.00035345
0	1.81E-06	6.86E-07	1.56E-05	-1.07E-06	9.21E-07	4.90E-06	8.70E-06	2.03E-07	1.00E-07	2.20E-07	-1.36E-05	-1.74E-05	0.00073173	0.00071844	0.00067774	-0.0081813	-0.0002747	-0.0054112	2.74E-10	2.60E-12	-3.24E-12	0.00126814	0.00093678	0.00060147
0	-1.51E-06	-1.19E-06	1.14E-05	-8.70E-08	-1.66E-06	-2.13E-06	-7.78E-06	4.76E-08	-1.27E-07	-2.15E-07	1.41E-05	1.63E-05	0.00070917	0.00069586	0.00065627	0.00222333	0.00032604	0.00303075	-3.78E-11	-4.75E-12	-1.23E-12	0.00090257	6.48E-05	-0.0002701
0	2.63E-07	3.74E-07	-2.04E-05	8.30E-07	5.23E-07	-2.09E-06	-1.16E-06	-2.01E-07	9.31E-08	1.25E-07	1.65E-06	3.46E-06	0.00068673	0.00067398	0.00063548	0.01058982	0.00043069	0.00867851	-2.74E-10	-3.50E-12	1.39E-13	-0.0001027	-0.0007535	-0.0008253
0	7.90E-07	5.39E-07	4.14E-06	-8.44E-07	7.50E-07	2.88E-06	6.73E-06	-1.47E-09	-3.72E-08	-2.14E-08	-1.23E-05	-1.54E-05	0.00066611	0.00065279	0.00061535	0.00919422	-9.18E-05	0.00633179	7.32E-13	-8.06E-13	3.72E-13	-0.0009638	-0.0009061	-0.0006741
0	-9.81E-07	-6.32E-07	1.41E-05	3.51E-07	-8.63E-07	-3.99E-07	-3.84E-06	1.90E-07	-9.50E-09	-4.90E-08	6.68E-06	7.25E-06	0.00064557	0.00063227	0.00059585	-0.0006884	-0.0004602	-0.0018453	2.69E-10	4.59E-13	1.62E-13	-0.0010565	-0.000356	-2.05E-05
0	4.38E-07	8.11E-07	-1.28E-05	1.97E-07	9.11E-07	1.79E-06	-2.43E-06	-3.96E-08	3.28E-06	1.71E-06	5.49E-06	7.75E-06	0.00062566	0.00061244	0.00057698	-0.0099487	-0.000148	-0.00832	-1.74E-10	1.56E-13	4.87E-13	-5.35E-15	-0.0004006	0.00058821
0	2.41E-07	3.69E-07	-3.14E-06	-4.55E-07	5.14E-07	1.45E-06	4.62E-06	-1.71E-07	-3.34E-08	5.60E-08	-8.89E-06	-1.09E-05	0.00060637	0.00059314	0.0005587	-0.0100398	0.00036546	-0.0071301	2.60E-10	1.66E-13	-4.22E-14	0.00054822	0.00076286	0.00064508
0	-5.49E-07	-3.15E-07	1.26E-05	3.61E-07	-4.13E-07	3.21E-07	-1.39E-06	7.41E-08	2.08E-08	2.44E-08	1.39E-06	8.33E-07	0.00058767	0.0005745	0.000541	-0.0008655	0.00032938	0.00062581	-6.88E-11	-3.21E-14	-2.09E-14	0.00099547	0.00050799	0.00021387
0	3.86E-07	-2.76E-08	-5.77E-06	-8.09E-08	-6.00E-08	-1.24E-06	-2.53E-06	1.45E-07	-5.39E-09	4.30E-09	6.18E-06	8.26E-06	0.00056955	0.00055644	0.00052386	0.00911965	-0.0001816	0.00780254	2.46E-10	-6.33E-14	-7.26E-16	0.00067922	-0.0001007	-0.0003294
0	-6.39E-09	2.32E-07	-6.56E-06	-1.60E-07	3.17E-07	5.82E-07	2.84E-06	-1.01E-07	-5.59E-09	-1.97E-08	-5.11E-06	-6.04E-06	0.00055198	0.00053895	0.00050726	0.01070164	-0.0004091	0.00779096	1.00E-10	-2.89E-14	4.69E-15	-0.0001156	-0.0005617	-0.000551
0	-2.62E-07	-1.45E-07	9.12E-06	2.29E-07	-1.77E-07	5.01E-07	-6.39E-06	-1.15E-07	-3.34E-09	2.14E-08	-1.61E-06	-2.73E-06	0.00053496	0.0005227	0.00049151	0.00240094	-3.57E-05	0.00300754	-3.43E-11	2.28E-14	-1.90E-16	2.64E-15	-0.0007711	-0.0004439
0	2.69E-07	-5.47E-08	-6.38E-07	-1.40E-07	-9.03E-08	-7.41E-07	-1.21E-06	1.02E-07	-8.34E-09	-1.33E-08	5.12E-06	6.66E-06	0.00051847	0.00050559	0.00047563	-0.0081174	0.00037404	-0.0071362	-1.29E-10	7.61E-15	2.49E-16	-0.0001172	-0.0003105	0.00194
0	-8.86E-08	1.36E-07	-7.09E-06	-4.36E-09	1.80E-07	1.28E-07	1.53E-06	8.22E-08	4.29E-09	3.39E-09	-2.04E-06	-2.13E-06	0.00050248	0.0004897	0.00046057	-0.0111667	0.00022605	-0.0083019	2.07E-10	4.55E-15	-5.11E-16	-0.0002547	0.0003478	0.00042398
0	-9.82E-08	-5.90E-08	5.23E-06	1.01E-07	-6.34E-08	4.42E-07	5.33E-07	-1.31E-07	-2.76E-10	3.88E-09	-2.76E-06	-4.00E-06	0.00048698	0.00047431	0.00044597	-0.0039145	-0.0002428	-0.0018216	1.54E-10	6.63E-16	-3.29E-16	0.00045413	0.00049527	0.00035352
0	1.61E-07	-5.04E-08	2.38E-06	-1.07E-07	-7.70E-08	-3.80E-07	-1.54E-06	-4.93E-08	-2.15E-09	-6.66E-09	3.41E-06	4.32E-06	0.00047197	0.0004594	0.00043185	0.00695981	-0.0003414	0.00633398	-1.83E-10	-8.24E-16	-4.89E-17	0.00078027	0.00025113	1.85E-05
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0	8.30E-08	-3.74E-08	3.57E-06	-5.63E-08	-5.41E-08	-1.58E-07	-1.00E-06	-1.30E-07	7.84E-10	-5.77E-11	1.77E-06	2.11E-06	0.00042964	0.00041742	0.00039209	-0.005668	0.0001277	-0.0054113	1.93E-10	7.50E-17	8.06E-18	-0.0006158	-0.0003092	-0.0001167
0	-7.15E-08	3.92E-08	-3.97E-06	4.64E-08	4.63E-08	-1.19E-07	1.72E-07	1.15E-08	2.09E-10	1.72E-09	1.01E-06	1.66E-06	0.00041639	0.0004043	0.00037967	-0.0114723	-0.0002769	-0.0088386	-1.28E-10	9.08E-17	-5.58E-18	-0.0006263	2.06E-07	0.00016538
0	1.43E-08	-2.33E-09	-3.03E-07	-1.19E-08	4.39E-09	1.90E-07	6.40E-07	1.20E-07	-7.00E-10	-2.02E-09	-2.07E-06	-2.78E-06	0.00040355	0.00039159	0.00036764	-0.0066967	-0.0002645	-0.0041248	-2.06E-10	3.37E-17	-4.89E-18	-0.000175	0.00027305	0.00028485
0	3.54E-08	-2.48E-08	3.48E-06	-1.89E-08	-3.39E-08	-3.94E-08	-5.80E-07	-3.68E-08	7.11E-10	1.39E-09	5.33E-07	4.68E-07	0.00039111	0.00037928	0.00035599	0.00426541	0.00012994	0.00438601	9.81E-11	-4.31E-18	-1.22E-18	0.00037445	0.00030744	0.00016941
0	-4.57E-08	1.91E-08	-2.06E-06	2.87E-08	2.03E-08	-1.09E-07	-8.02E-08	-1.05E-07	-4.40E-10	-4.54E-10	1.30E-06	1.94E-06	0.00037905	0.00036735	0.00034472	0.01130552	0.00032037	0.00885446	2.15E-10	-1.16E-17	5.49E-19	0.0006107	0.00010546	-6.27E-05
0	2.14E-08	3.34E-09	-1.50E-06	1.83E-08	8.72E-09	9.94E-08	4.97E-07	5.74E-08	1.13E-10	-2.87E-10	-1.27E-06	-1.64E-06	0.00036736	0.00035581	0.0003338	0.00732129	3.97E-05	0.00516682	-6.78E-11	-5.60E-18	4.84E-19	-0.0003811	-0.0003816	-0.0002177
0	-1.03E-08	-1.52E-08	2.69E-06	2.82E-10	-1.96E-08	1.27E-08	-2.88E-07	8.69E-08	1.20E-10	6.14E-10	-2.14E-07	-5.01E-07	0.00035603	0.00034462	0.00032322	-0.0027778	-0.0002869	-0.0032778	-2.20E-10	-2.80E-19	1.74E-19	-0.0001134	-0.0002648	-0.0001853
0	-2.53E-08	8.46E-09	-5.49E-07	1.23E-08	7.58E-09	-7.89E-08	-1.76E-07	-7.28E-08	-2.08E-10	-5.62E-10	1.15E-06	1.65E-06	0.00034505	0.00033379	0.00031298	-0.0109274	-0.0001852	-0.0087007	3.73E-11	1.35E-18	-5.06E-20	-0.0004907	-0.0001638	-1.37E-05
0	1.83E-08	4.31E-09	-1.86E-06	-1.36E-08	7.87E-09	4.26E-08	3.42E-07	-6.62E-08	1.77E-10	3.06E-10	-5.75E-07	-6.71E-07	0.00033441	0.00032329	0.00030307	-0.0090031	0.00018018	-0.0061087	2.21E-10	8.77E-19	-6.88E-20	-0.000481	4.90E-05	0.00014733
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0	-1.19E-08	3.25E-09	2.38E-06	1.92E-08	4.97E-08	-1.86E-07	-4.45E-07	4.66E-08	5.31E-11	-4.47E-10	8.10E-07	1.13E-06	0.00031341	0.00030274	0.00028417	0.00184416	-3.43E-05	0.00380615	-1.44E-10	-1.41E-19	-1.46E-21	0.00030746	0.00041566	-3.35E-05
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0	3.79E-09	1.65E-09	-6.92E-07	1.40E-10	2.12E-09	-6.65E-09	5.07E-08	7.52E-08	-1.51E-11	-3.30E-11	2.67E-07	4.51E-07	0.00025226	0.00024252	0.00022684	0.01119983	-4.01E-05	0.00816641	9.86E-11	-2.10E-21	1.03E-22	0.00025151	0.00010146	9.18E-06
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0	-6.90E-11	2.96E-10	1.98E-07

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LITCe21norF	LITCp11norF	LITCe11norF	LITCc12norF	GREXe11gedI	GREXe12gedI	GREXe21gedI	DAXPs11gedI	DAXPs11stdF	DAXPs12norF	DAXPe11norI	DAXPp11norF	ORE@forecast$sigma
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0.00072258	-0.0002773	-0.000395	-0.0003698	1.37E-23	1.30E-23	8.52E-24	0	0	0	0	0	
-0.000108	0.00264615	0.00248953	0.00246544	3.29E-24	3.11E-24	2.01E-24	0	0	0	0	0	
-0.0007478	0.00232985	0.00232345	0.00227955	7.87E-25	7.45E-25	4.74E-25	0	0	0	0	0	
-0.0007365	-0.0008144	-0.0006661	-0.0006765	1.89E-25	1.78E-25	1.12E-25	0	0	0	0	0	
-0.0001682	-0.0029425	-0.0028211	-0.0027856	4.52E-26	4.26E-26	2.64E-26	0	0	0	0	0	
0.00045311	-0.0014775	-0.0015285	-0.0014903	1.08E-26	1.02E-26	6.23E-27	0	0	0	0	0	
0.00064931	0.00177009	0.00161183	0.00160638	2.59E-27	2.44E-27	1.47E-27	0	0	0	0	0	
0.00032737	0.0028395	0.00276655	0.00272439	6.21E-28	5.83E-28	3.47E-28	0	0	0	0	0	
-0.0002006	0.00044997	0.00054819	0.00052061	1.49E-28	1.40E-28	8.19E-29	0	0	0	0	0	
-0.0005072	-0.0024659	-0.0023183	-0.002298	3.57E-29	3.34E-29	1.93E-29	0	0	0	0	0	
-0.0003889	-0.0023611	-0.0023426	-0.0022993	8.54E-30	7.99E-30	4.56E-30	0	0	0	0	0	
8.76E-06	0.00061147	0.00048147	0.00049517	2.05E-30	1.91E-30	1.08E-30	0	0	0	0	0	
0.00034764	0.00281583	0.00269685	0.0026645	4.90E-31	4.57E-31	2.54E-31	0	0	0	0	0	
0.00037844	0.00158036	0.00161513	0.00157619	1.17E-31	1.09E-31	5.99E-32	0	0	0	0	0	
0.00011821	-0.0015647	-0.0014213	-0.0014196	2.81E-32	2.61E-32	1.41E-32	0	0	0	0	0	
-0.0001975	-0.002782	-0.0027047	-0.0026646	6.74E-33	6.26E-33	3.34E-33	0	0	0	0	0	
-0.0003221	-0.000609	-0.0006891	-0.0006595	1.62E-33	1.50E-33	7.88E-34	0	0	0	0	0	
-0.000186	0.0022854	0.00214764	0.00213104	3.87E-34	3.58E-34	1.86E-34	0	0	0	0	0	
7.32E-05	0.00237852	0.00234989	0.00230742	9.27E-35	8.56E-35	4.39E-35	0	0	0	0	0	
0.00024295	-0.0004189	-0.0003065	-0.0003232	2.22E-35	2.05E-35	1.03E-35	0	0	0	0	0	
0.00020616	-0.0026836	-0.0025683	-0.0025392	5.32E-36	4.90E-36	2.44E-36	0	0	0	0	0	
1.78E-05	-0.0016686	-0.0016889	-0.0016495	1.28E-36	1.17E-36	5.76E-37	0	0	0	0	0	
-0.0001593	0.00136504	0.00123366	0.00123849	3.05E-37	2.80E-37	1.36E-37	0	0	0	0	0	
-0.0001924	0.00271443	0.00263453	0.00259679	7.32E-38	6.71E-38	3.21E-38	0	0	0	0	0	
-7.53E-05	0.00075447	0.00081787	0.00078647	1.75E-38	1.60E-38	7.57E-39	0	0	0	0	0	
8.36E-05	-0.0021055	-0.0019782	-0.0019652	4.20E-39	3.84E-39	1.79E-39	0	0	0	0	0	
0.00015821	-0.0023831	-0.0023461	-0.0023047	1.01E-39	9.18E-40	4.22E-40	0	0	0	0	0	
0.00010306	0.00023701	0.00014138	0.00016087	2.41E-40	2.20E-40	9.95E-41	0	0	0	0	0	
-2.30E-05	0.00254684	0.00243641	0.00241053	5.78E-41	5.25E-41	2.35E-41	0	0	0	0	0	
-0.0001151	0.00174276	0.00175033	0.0017107	1.38E-41	1.26E-41	5.54E-42	0	0	0	0	0	
-0.0001078	-0.0011718	-0.0010581	-0.0010634	3.32E-42	3.01E-42	1.31E-42	0	0	0	0	0	
-1.97E-05	-0.0026379	-0.0025569	-0.0025217	7.94E-43	7.19E-43	3.09E-43	0	0	0	0	0	
7.18E-05	-0.0008866	-0.0009347	-0.0009018	1.90E-43	1.72E-43	7.28E-44	0	0	0	0	0	
9.68E-05	0.001927	0.00181058	0.00180119	4.56E-44	4.12E-44	1.72E-44	0	0	0	0	0	
4.52E-05	0.00237549	0.00233187	0.00229186	1.09E-44	9.84E-45	4.06E-45	0	0	0	0	0	
-3.40E-05	-6.59E-05	1.38E-05	-8.18E-06	2.62E-45	2.36E-45	9.57E-46	0	0	0	0	0	
-7.70E-05	-0.0024065	-0.0023019	-0.0022793	6.27E-46	5.63E-46	2.26E-46	0	0	0	0	0	
-5.60E-05	-0.0018034	-0.0017999	-0.0017603	1.50E-46	1.35E-46	5.33E-47	0	0	0	0	0	
4.72E-06	0.0009856	0.00088632	0.00089476	3.60E-47	3.22E-47	1.26E-47	0	0	0	0	0	
5.39E-05	0.00255342	0.00247274	0.00244003	8.62E-48	7.71E-48	2.97E-48	0	0	0	0	0	
5.57E-05	0.00100564	0.00103973	0.00100574	2.06E-48	1.84E-48	7.00E-49	0	0	0	0	0	
1.51E-05	-0.0017508	-0.0016455	-0.0016396	4.95E-49	4.41E-49	1.65E-49	0	0	0	0	0	
-3.17E-05	-0.0023567	-0.002308	-0.0022696	1.19E-49	1.06E-49	3.90E-50	0	0	0	0	0	
-4.83E-05	-9.42E-05	-0.0001589	-0.0001348	2.84E-50	2.53E-50	9.20E-51	0	0	0	0	0	
-2.61E-05	0.00226349	0.00216563	0.0021463	6.80E-51	6.04E-51	2.17E-51	0	0	0	0	0	
1.30E-05	0.00185108	0.00183806	0.00179889	1.63E-51	1.45E-51	5.12E-52	0	0	0	0	0	
3.71E-05	-0.0008068	-0.0007215	-0.0007329	3.90E-52	3.46E-52	1.21E-52	0	0	0	0	0	
2.99E-05	-0.0024619	-0.0023827	-0.0023527	9.35E-53	8.27E-53	2.85E-53	0	0	0	0	0	
9.87E-07	-0.0011118	-0.0011333	-0.0010985	2.24E-53	1.98E-53	6.73E-54	0	0	0	0	0	
-2.49E-05	0.00157753	0.00148365	0.00148104	5.37E-54	4.73E-54	1.59E-54	0	0	0	0	0	
-2.85E-05	0.0023274	0.00227523	0.00223853	1.29E-54	1.13E-54	3.75E-55	0	0	0	0	0	
-1.00E-05	0.00024323	0.00029407	0.00026796	3.08E-55	2.71E-55	8.85E-56	0	0	0	0	0	
1.36E-05	-0.0021187	-0.0020283	-0.0020122	7.38E-56	6.48E-56	2.09E-56	0	0	0	0	0	
2.38E-05	-0.0018865	-0.0018655	-0.0018269	1.77E-56	1.55E-56	4.93E-57	0	0	0	0	0	
1.46E-05	0.00063578	0.000564	0.00057816	4.24E-57	3.71E-57	1.16E-57	0	0	0	0	0	
-4.46E-06	0.00236414	0.00228772	0.00226044	1.02E-57	8.87E-58	2.74E-58	0	0	0	0	0	
-1.77E-05	0.0012055	0.00121582	0.0011804	2.43E-58	2.12E-58	6.48E-59	0	0	0	0	0	
-1.57E-05	-0.0014079	-0.0013254	-0.001326	5.83E-59	5.07E-59	1.53E-59	0	0	0	0	0	
-2.13E-06	-0.0022886	-0.0022342	-0.0021995	1.40E-59	1.21E-59	3.61E-60	0	0	0	0	0	
1.13E-05	-0.0003812	-0.0004192	-0.0003914	3.34E-60	2.90E-60	8.51E-61	0	0	0	0	0	
1.44E-05	0.00197304	0.00189054	0.00187765	8.01E-61	6.95E-61	2.01E-61	0	0	0	0	0	
6.17E-06	0.00191017	0.00188269	0.00184498	1.92E-61	1.66E-61	4.74E-62	0	0	0	0	0	
-5.66E-06	-0.0004729	-0.0004141	-0.0004307	4.60E-62	3.97E-62	1.12E-62	0	0	0	0	0	
-1.16E-05	-0.0022612	-0.0021884	-0.002164	1.10E-62	9.51E-63	2.64E-63	0	0	0	0	0	
-8.02E-06	-0.001287	-0.0012875	-0.0012518	2.64E-63	2.27E-63	6.23E-64	0	0	0	0	0	
1.22E-06	0.00124251	0.00117134	0.00117493	6.32E-64	5.44E-64	1.47E-64	0	0	0	0	0	
8.32E-06	0.00224094	0.00218576	0.00215303	1.51E-64	1.30E-64	3.47E-65	0	0	0	0	0	
8.18E-06	0.00050826	0.00053438	0.00050521	3.63E-65	3.11E-65	8.18E-66	0	0	0	0	0	
1.86E-06	-0.0018272	-0.0017531	-0.0017433	8.69E-66	7.45E-66	1.93E-66	0	0	0	0	0	
-5.05E-06	-0.0019229	-0.0018903	-0.0018536	2.08E-66	1.78E-66	4.56E-67	0	0	0	0	0	
-7.22E-06	0.00031847	0.00027184	0.0002908	4.99E-67	4.26E-67	1.08E-67	0	0	0	0	0	
-3.63E-06	0.00215381	0.0020856	0.00206396	1.20E-67	1.02E-67	2.54E-68	0	0	0	0	0	
2.24E-06	0.00135678	0.00134873	0.00131295	2.86E-68	2.44E-68	5.99E-69	0	0	0	0	0	
5.64E-06	-0.0010819	-0.0010218	-0.0010283	6.86E-69	5.83E-69	1.41E-69	0	0	0	0	0	
4.32E-06	-0.0021854	-0.0021305	-0.0020999	1.64E-69	1.40E-69	3.33E-70	0	0	0	0	0	
-1.05E-07	-0.0006244	-0.0006398	-0.0006094	3.94E-70	3.34E-70	7.87E-71	0	0	0	0	0	
-3.87E-06	0.00168194	0.00161648	0.00160979	9.44E-71	7.99E-71	1.86E-71	0	0	0	0	0	
-4.20E-06	0.00192518	0.00188879	0.0018534	2.26E-71	1.91E-71	4.38E-72	0	0	0	0	0	
-1.31E-06	-0.0001726	-0.0001375	-0.0001585	5.42E-72	4.57E-72	1.03E-72	0	0	0	0	0	
2.20E-06	-0.0020429	-0.0019799	-0.0019611	1.30E-72	1.09E-72	2.44E-73	0	0	0	0	0	
3.58E-06	-0.0014152	-0.0013999	-0.0013643	3.11E-73	2.61E-73	5.76E-74	0	0	0	0	0	
2.06E-06	0.00092651	0.00087729	0.00088643	7.45E-74	6.26E-74	1.36E-74	0	0	0	0	0	
-8.19E-07	0.00212267	0.00206911	0.00204084	1.78E-74	1.50E-74	3.21E-75	0	0	0	0	0	
-2.70E-06	0.00072972	0.00073548	0.00070428	4.27E-75	3.58E-75	7.57E-76	0	0	0	0	0	
-2.29E-06	-0.001538	-0.0014813	-0.0014776	1.02E-75	8.56E-76	1.79E-76	0	0	0	0	0	
-1.94E-07	-0.0019178	-0.0018789	-0.0018449	2.45E-76	2.05E-76	4.21E-77	0	0	0	0	0	
1.77E-06	3.56E-05	1.12E-05	3.40E-05	5.88E-77	4.90E-77	9.94E-78	0	0	0	0	0	
2.14E-06	0.00192915	0.00187204	0.0018561	1.41E-77	1.17E-77	2.35E-78	0	0	0	0	0	
8.33E-07	0.00146279	0.0014415	0.00140632	3.37E-78	2.80E-78	5.54E-79	0	0	0	0	0	
-9.32E-07	-0.0007768	-0.0007381	-0.0007497	8.08E-79	6.71E-79	1.31E-79	0	0	0	0	0	
-1.76E-06	-0.0020536	-0.0020023	-0.0019764	1.94E-79	1.60E-79	3.08E-80	0	0	0	0	0	
-1.14E-06	-0.0008245	-0.0008217	-0.0007899	4.64E-80	3.84E-80	7.28E-81	0	0	0	0	0	
2.58E-07	0.00139585	0.00134815	0.00134726	1.11E-80	9.18E-81	1.72E-81	0	0	0	0	0	
1.28E-06	0.00190144	0.00186104	0.00182866	2.66E-81	2.20E-81	4.05E-82	0	0	0	0	0	
1.20E-06	9.26E-05	0.00010706	8.26E-05	6.38E-82	5.25E-82	9.56E-83	0	0	0	0	0	
2.17E-07	-0.0018134	-0.0017626	-0.0017495	1.53E-82	1.26E-82	2.26E-83	0	0	0	0	0	
-7.99E-07	-0.0015	-0.0014739	-0.0014393	3.66E-83	3.01E-83	5.32E-84	0	0	0	0	0	
-1.08E-06	0.00063315	0.0006044	0.00061836	8.77E-84	7.19E-84	1.26E-84	0	0	0	0	0	
-5.01E-07	0.0019789	0.00193069	0.00190721	2.10E-84	1.72E-84	2.96E-85	0	0	0	0	0	
3.79E-07	0.00090894	0.00089872	0.00086647	5.03E-85	4.12E-85	7.00E-86	0	0	0	0	0	
8.56E-07	-0.0012562	-0.0012174	-0.0012192	1.21E-85	9.84E-86	1.65E-86	0	0	0	0	0	
6.21E-07	-0.0018767	-0.0018359	-0.0018053	2.89E-86	2.36E-86	3.90E-87	0	0	0	0	0	
-5.37E-08	-0.0002118	-0.0002173	-0.0001915	6.92E-87	5.63E-87	9.19E-88	0	0	0	0	0	
-5.99E-07	0.00169628	0.0016522	0.00164185	1.66E-87	1.35E-87	2.17E-88	0	0	0	0	0	
-6.19E-07	0.00152728	0.0014975	0.00146374	3.97E-88	3.22E-88	5.12E-89	0	0	0	0	0	
-1.67E-07	-0.0004958	-0.0004766	-0.0004927	9.52E-89	7.71E-89	1.21E-89	0	0	0	0	0	
3.53E-07	-0.0018993	-0.0018549	-0.0018339	2.28E-89	1.84E-89	2.85E-90	0	0	0	0	0	
5.36E-07	-0.0009833	-0.0009667	-0.0009343	5.46E-90	4.41E-90	6.73E-91	0	0	0	0	0	
2.89E-07	0.0011196	0.00108952	0.00109394	1.31E-90	1.06E-90	1.59E-91	0	0	0	0	0	
-1.45E-07	0.00184438	0.00180413	0.00177532	3.14E-91	2.53E-91	3.75E-92	0	0	0	0	0	
-4.12E-07	0.00032217	0.0003194	0.00029247	7.51E-92	6.04E-92	8.84E-93	0	0	0	0	0	
-3.32E-07	-0.0015785	-0.0015414	-0.0015338	1.80E-92	1.45E-92	2.09E-93	0	0	0	0	0	
-1.04E-08	-0.0015452	-0.0015128	-0.0014801	4.31E-93	3.46E-93	4.92E-94	0	0	0	0	0	
2.77E-07	0.00036515	0.0003548	0.00037281	1.03E-93	8.27E-94	1.16E-94	0	0	0	0	0	
3.16E-07	0.00181564	0.00177564	0.00175711	2.47E-94	1.98E-94	2.74E-95	0	0	0	0	0	
1.11E-07	0.00104789	0.00102594	0.00099354	5.93E-95	4.73E-95	6.47E-96	0	0	0	0	0	
-1.52E-07	-0.0009865	-0.0009649	-0.0009718	1.42E-95	1.13E-95	1.53E-96	0	0	0	0	0	
-2.65E-07	-0.001805	-0.0017662	-0.0017393	3.40E-96	2.71E-96	3.60E-97	0	0	0	0	0	
-1.62E-07	-0.0004236	-0.0004135	-0.0003857	8.15E-97	6.48E-97	8.50E-98	0	0	0	0	0	
4.99E-08	0.00146071	0.00143072	0.00142573	1.95E-97	1.55E-97	2.01E-98	0	0	0	0	0	
1.96E-07	0.00155433	0.0015203	0.00148869	4.68E-98	3.71E-98	4.73E-99	0	0	0	0	0	
1.75E-07	-0.0002413	-0.0002392	-0.000259	1.12E-98	8.87E-99	1.12E-99	0	0	0	0	0	
2.34E-08	-0.0017285	-0.0016934	-0.0016773	2.69E-99	2.12E-99	2.64E-100	0	0	0	0	0	
-1.26E-07	-0.001103	-0.0010767	-0.0010446	6.43E-100	5.07E-100	6.22E-101	0	0	0	0	0	
-1.60E-07	0.00085722	0.00084392	0.00085309	1.54E-100	1.21E-100	1.47E-101	0	0	0	0	0	
-6.84E-08	0.00175932	0.00172268	0.00169783	3.69E-101	2.90E-101	3.46E-102	0	0	0	0	0	
6.31E-08	0.00051627	0.00049976	0.00047122	8.85E-102	6.95E-102	8.17E-103	0	0	0	0	0	
1.30E-07	-0.0013435	-0.0013207	-0.0013182	2.12E-102	1.66E-102	1.93E-103	0	0	0	0	0	
8.90E-08	-0.0015551	-0.0015204	-0.0014901	5.08E-103	3.97E-103	4.55E-104	0	0	0	0	0	
-1.37E-08	0.00012439	0.00013	0.00015125	1.22E-103	9.51E-104	1.07E-104	0	0	0	0	0	
-9.25E-08	0.0016385	0.00160873	0.00159518	2.91E-104	2.27E-104	2.53E-105	0	0	0	0	0	
-9.08E-08	0.00114905	0.00111938	0.00108763	6.98E-105	5.44E-105	5.98E-106	0	0	0	0	0	
-2.05E-08	-0.0007323	-0.0007269	-0.0007382	1.67E-105	1.30E-105	1.41E-106	0	0	0	0	0	
5.62E-08	-0.0017079	-0.0016742	-0.0016514	4.01E-106	3.11E-106	3.33E-107	0	0	0	0	0	
8.02E-08	-0.0006002	-0.0005782	-0.0005492	9.60E-107	7.45E-107	7.86E-108	0	0	0	0	0	
4.02E-08	0.00122728	0.00121168	0.00121172	2.30E-107	1.78E-107	1.85E-108	0	0	0	0	0	

-2.50E-08	0.00154819	0.00151363	0.00148476	5.51E-108	4.26E-108	4.38E-109	0	0	0	0	0
-6.27E-08	-1.46E-05	-2.72E-05	-4.98E-05	1.32E-108	1.02E-108	1.03E-109	0	0	0	0	0
-4.79E-08	-0.0015464	-0.0015222	-0.0015111	3.16E-109	2.44E-109	2.44E-110	0	0	0	0	0
1.26E-09	-0.0011864	-0.0011542	-0.0011231	7.58E-110	5.83E-110	5.75E-111	0	0	0	0	0
4.30E-08	0.00061195	0.00061404	0.00062733	1.82E-110	1.40E-110	1.36E-111	0	0	0	0	0
4.67E-08	0.00165148	0.00162116	0.00160054	4.35E-111	3.34E-111	3.20E-112	0	0	0	0	0
1.45E-08	0.00067571	0.00064897	0.00061964	1.04E-111	7.99E-112	7.56E-113	0	0	0	0	0
-2.45E-08	-0.0011127	-0.0011042	-0.0011066	2.50E-112	1.91E-112	1.78E-113	0	0	0	0	0
-3.98E-08	-0.001534	-0.0015004	-0.0014731	5.98E-113	4.57E-113	4.21E-114	0	0	0	0	0
-2.29E-08	-8.80E-05	-6.92E-05	-4.54E-05	1.43E-113	1.09E-113	9.93E-115	0	0	0	0	0
9.15E-09	0.00145265	0.00143437	0.0014257	3.43E-114	2.61E-114	2.34E-115	0	0	0	0	0
3.00E-08	0.00121532	0.0011816	0.00115122	8.22E-115	6.26E-115	5.53E-116	0	0	0	0	0
2.54E-08	-0.0004965	-0.0005057	-0.0005208	1.97E-115	1.50E-115	1.31E-116	0	0	0	0	0
2.12E-09	-0.0015906	-0.0015642	-0.0015458	4.72E-116	3.58E-116	3.08E-117	0	0	0	0	0

DIGITAL APPENDIX P

DIGITAL APPENDIX P

P_[CODE]_Chapter 4.7._Degrees of Freedom of std-Distributed Models

#GARCH models per Assetclass

##All Cattle

```
DJACs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
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DJACi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJACc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJACs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJACc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
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DJACs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
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DJACs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
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DJACg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
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DJACi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
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DJACc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJACc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Aluminium

```
DJALs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
DJALc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

DJALs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
DJALe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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DJALe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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DJALe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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DJALi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
DJALc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Cocoa

```
DJCCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
DJCCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

DJCCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
DJCCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

DJCCs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
DJCCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

##Coffee

```
D3CFs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")
D3CFc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged")

D3CFs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")
D3CFc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="std")

D3CFs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
D3CFc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="norm")
```

#Copper

```
D3CPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
D3CPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

D3CPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
D3CPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

D3CPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
D3CPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

#Cotton

```
D3CTs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
D3CTc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")

D3CTs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
D3CTc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")

D3CTs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
D3CTc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
```

#Lead

```
D3LEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D3LEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D3LEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
D1LEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
D1LEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

D1LEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
D1LEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

D1LEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
D1LEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

##Gold

```
D3GOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
D3GOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

D3GOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
D3GOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

D3GOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
D3GOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

##Nickel

```
DJNIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJNIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJNIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJNIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJNIs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJNIc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Silver

```
DJSIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
```

```
DJSIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJSIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJSIs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSIc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

Sugar

```
DJSUs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
DJSUc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

DJSUs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
DJSUc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

DJSUs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
DJSUc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

Wheat

```
DJWEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
DJWEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

DJWEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
DJWEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

DJWEs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
DJWEc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

Zinc

```
DJZIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
DJZIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJZIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DJZIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJZIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DJZIs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJZIc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

Lean Hogs

```
DJLHs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")
DJLHc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged")

DJLHs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")
DJLHc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="std")

DJLHs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
DJLHc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="norm")
```

Natural Gas

```
DJNGs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJNGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

DJNGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJNGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

DJNGs11snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs22snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs12snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGs21snor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe11snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe22snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe12snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGe21snor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg11snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg22snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg12snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGg21snor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi11snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi22snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi12snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGi21snor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc11snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc22snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc12snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJNGc21snor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

Petroleum

```
DJPEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
```

```
DJPEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DJPEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DJPEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DJPEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DJPEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DJPEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
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Soybeans

```
DJSOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
DJSOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

DJSOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
DJSOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

DJSOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
DJSOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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Forestry and Paper

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SEFPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEFPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

SEFPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEFPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEFPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEFPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEFPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

SEFPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEFPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEFPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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Electricity

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SEECs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEECi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
```

```
SEEGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEEGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SEEGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEEGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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SEEGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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SEEGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
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SEEGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SEEGs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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SEEGs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
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SEEGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEEGc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Fixed Line Communication

```
SEFLs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")
SEFLc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged")

SEFLs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")
SEFLc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="std")

SEFLs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
SEFLc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="norm")
```

##Gas Water and Multiutilities

```
SEUTs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEUTc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")

SEUTs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEUTc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

SEUTs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEUTc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Industrial Transportation

```
SETRs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
```

```
SETRc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SETRc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

SETRs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SETRc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

SETRs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SETRc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Mobile Telecommunication

```
SEMOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")
SEMOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged")

SEMOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")
SEMOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="std")

SEMOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
SEMOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="norm")
```

##Oil and Gas Producers

```
SEOGs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEOGc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEOGs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEOGc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEOGs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEOGc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Oil Equipment

```
SEOEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
SEOEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged")
```

```
SEOEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")
SEOEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="std")

SEOEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
SEOEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="norm")
```

##Airlines

```
SEAIs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAIc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEAIs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SEAIc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAIc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEAIs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SEAIe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
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SEAIi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAIc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

##Real Estate Investment and Services

```
SEIEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
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SEIEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")
SEIEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged")

SEIEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
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SEIEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")
SEIEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="std")

SEIEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEIEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
SEIEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEIEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
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SEIEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="norm")
```

##REITS

```
SEREs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
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SEREc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEREc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEREs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SEREs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SERGe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERGi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SERCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEREs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEREs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERGi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SERCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

#Alternative Energy

```
SEAEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
SEAEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

SEAEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
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SEAEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
SEAEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

SEAEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
SEAEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

#Software

```
SESOs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SESOc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SESOs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SESOc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SESOs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SESOc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

#Technical Hardware and Equipment

```
SETEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SETEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SETEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
```

```
SETEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SETEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SETEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SETEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Beverages

```
SEBEs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")
SEBEc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged")

SEBEs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")
SEBEc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="std")

SEBEs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
SEBEc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="norm")
```

##Total European Market

```
SEETs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")
SEETc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged")

SEETs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")
SEETc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="std")

SEETs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
SEETc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="norm")
```

##Chemcials

```
SECHs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")
SECHc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="ged")

SECHs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
```

```
SECHg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")
SECHc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="std")

SECHs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
SECHc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,3), include.mean=FALSE), distribution.model="norm")
```

##Auto and Parts

```
SEAPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
SEAPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

SEAPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
SEAPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

SEAPs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
SEAPc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Bitcoin

```
BITCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")
BITCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged")

BITCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")
BITCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="std")

BITCs11norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs22norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs12norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCs21norc<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe11norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe22norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe12norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCe21norc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg11norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg22norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg12norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCg21norc<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi11norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi22norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi12norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCi21norc<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc11norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc22norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc12norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
BITCc21norc<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="norm")
```

##Litecoin

```
LITCs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")
LITCc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged")

LITCs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
```

```
LITCi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi112std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")
LITCc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="std")

LITCs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
LITCc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="norm")
```

```
##REX
GREXs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")
GREXc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged")

GREXs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")
GREXc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="std")

GREXs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
GREXc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="norm")
```

```
##DAX Private Equity
DAXPs11ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs22ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs12ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPs21ged<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe11ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe22ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPe21ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg11ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg22ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg12ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPg21ged<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi11ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi22ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi12ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPi21ged<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc11ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc22ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc12ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")
DAXPc21ged<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged")

DAXPs11std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs22std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs12std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPs21std<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe11std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe22std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe12std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPe21std<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg11std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg22std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg12std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPg21std<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi11std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi22std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi12std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPi21std<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc11std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc22std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc12std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")
DAXPc21std<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="std")

DAXPs11nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs22nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs12nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPs21nor<-ugarchspec(variance.model=list(model="sGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe11nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe22nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe12nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPe21nor<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg11nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg22nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg12nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPg21nor<-ugarchspec(variance.model=list(model="gjrGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi11nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi22nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi12nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPi21nor<-ugarchspec(variance.model=list(model="iGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc11nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc22nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc12nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
DAXPc21nor<-ugarchspec(variance.model=list(model="csGARCH", garchOrder=c(2,1)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="norm")
```

```
#GARCH Modelfit
```

```
##All Cattle
DJACs11edFIT<-ugarchfit(spec=DJACs11eed.data=datDJACretINSA DJACs11gedFIT
DJACs22edFIT<-ugarchfit(spec=DJACs22eed.data=datDJACretINSA DJACs22gedFIT
DJACs12edFIT<-ugarchfit(spec=DJACs12eed.data=datDJACretINSA DJACs12gedFIT
DJACs21edFIT<-ugarchfit(spec=DJACs21eed.data=datDJACretINSA DJACs21gedFIT
DJACe11edFIT<-ugarchfit(spec=DJACe11eed.data=datDJACretINSA DJACe11gedFIT
DJACe22edFIT<-ugarchfit(spec=DJACe22eed.data=datDJACretINSA DJACe22gedFIT
DJACe12edFIT<-ugarchfit(spec=DJACe12eed.data=datDJACretINSA DJACe12gedFIT
DJACe21edFIT<-ugarchfit(spec=DJACe21eed.data=datDJACretINSA DJACe21gedFIT
DJACg11edFIT<-ugarchfit(spec=DJACg11eed.data=datDJACretINSA DJACg11gedFIT
DJACg22edFIT<-ugarchfit(spec=DJACg22eed.data=datDJACretINSA DJACg22gedFIT
DJACg12edFIT<-ugarchfit(spec=DJACg12eed.data=datDJACretINSA DJACg12gedFIT
DJACg21edFIT<-ugarchfit(spec=DJACg21eed.data=datDJACretINSA DJACg21gedFIT
DJACi11edFIT<-ugarchfit(spec=DJACi11eed.data=datDJACretINSA DJACi11gedFIT
DJACi22edFIT<-ugarchfit(spec=DJACi22eed.data=datDJACretINSA DJACi22gedFIT
DJACi12edFIT<-ugarchfit(spec=DJACi12eed.data=datDJACretINSA DJACi12gedFIT
DJACi21edFIT<-ugarchfit(spec=DJACi21eed.data=datDJACretINSA DJACi21gedFIT
DJACc11edFIT<-ugarchfit(spec=DJACc11eed.data=datDJACretINSA DJACc11gedFIT
DJACc22edFIT<-ugarchfit(spec=DJACc22eed.data=datDJACretINSA DJACc22gedFIT
DJACc12edFIT<-ugarchfit(spec=DJACc12eed.data=datDJACretINSA DJACc12gedFIT
DJACc21edFIT<-ugarchfit(spec=DJACc21eed.data=datDJACretINSA DJACc21gedFIT

DJACs11stdFIT<-ugarchfit(spec=DJACs11std.data=datDJACretINSA DJACs11stdFIT
DJACs22stdFIT<-ugarchfit(spec=DJACs22std.data=datDJACretINSA DJACs22stdFIT
DJACs12stdFIT<-ugarchfit(spec=DJACs12std.data=datDJACretINSA DJACs12stdFIT
DJACs21stdFIT<-ugarchfit(spec=DJACs21std.data=datDJACretINSA DJACs21stdFIT
DJACe11stdFIT<-ugarchfit(spec=DJACe11std.data=datDJACretINSA DJACe11stdFIT
DJACe22stdFIT<-ugarchfit(spec=DJACe22std.data=datDJACretINSA DJACe22stdFIT
DJACe12stdFIT<-ugarchfit(spec=DJACe12std.data=datDJACretINSA DJACe12stdFIT
DJACe21stdFIT<-ugarchfit(spec=DJACe21std.data=datDJACretINSA DJACe21stdFIT
DJACg11stdFIT<-ugarchfit(spec=DJACg11std.data=datDJACretINSA DJACg11stdFIT
DJACg22stdFIT<-ugarchfit(spec=DJACg22std.data=datDJACretINSA DJACg22stdFIT
DJACg12stdFIT<-ugarchfit(spec=DJACg12std.data=datDJACretINSA DJACg12stdFIT
DJACg21stdFIT<-ugarchfit(spec=DJACg21std.data=datDJACretINSA DJACg21stdFIT
DJACi11stdFIT<-ugarchfit(spec=DJACi11std.data=datDJACretINSA DJACi11stdFIT
```

```
DJAAc122stdFIT<-uqarchfit(spec=DJAAc122std,data=datDJACretINSA DJAAc122stdFIT
DJAAc112stdFIT<-uqarchfit(spec=DJAAc112std,data=datDJACretINSA DJAAc112stdFIT
DJAAc121stdFIT<-uqarchfit(spec=DJAAc121std,data=datDJACretINSA DJAAc121stdFIT
DJAACc11stdFIT<-uqarchfit(spec=DJAACc11std,data=datDJACretINSA DJAACc11stdFIT
DJAAcc22stdFIT<-uqarchfit(spec=DJAAcc22std,data=datDJACretINSA DJAAcc22stdFIT
DJAAcc12stdFIT<-uqarchfit(spec=DJAAcc12std,data=datDJACretINSA DJAAcc12stdFIT
DJAAcc21stdFIT<-uqarchfit(spec=DJAAcc21std,data=datDJACretINSA DJAAcc21stdFIT

DJACs11norFIT<-uqarchfit(spec=DJACs11nor,data=datDJACretINSA DJACs11norFIT
DJACs22norFIT<-uqarchfit(spec=DJACs22nor,data=datDJACretINSA DJACs22norFIT
DJACs12norFIT<-uqarchfit(spec=DJACs12nor,data=datDJACretINSA DJACs12norFIT
DJACs21norFIT<-uqarchfit(spec=DJACs21nor,data=datDJACretINSA DJACs21norFIT
DJACe11norFIT<-uqarchfit(spec=DJACe11nor,data=datDJACretINSA DJACe11norFIT
DJACe22norFIT<-uqarchfit(spec=DJACe22nor,data=datDJACretINSA DJACe22norFIT
DJACe12norFIT<-uqarchfit(spec=DJACe12nor,data=datDJACretINSA DJACe12norFIT
DJACe21norFIT<-uqarchfit(spec=DJACe21nor,data=datDJACretINSA DJACe21norFIT
DJACCe11norFIT<-uqarchfit(spec=DJACCe11nor,data=datDJACretINSA DJACCg11norFIT
DJACCe22norFIT<-uqarchfit(spec=DJACCe22nor,data=datDJACretINSA DJACCg22norFIT
DJACCe12norFIT<-uqarchfit(spec=DJACCe12nor,data=datDJACretINSA DJACCg12norFIT
DJACCe21norFIT<-uqarchfit(spec=DJACCe21nor,data=datDJACretINSA DJACCg21norFIT
DJACCi11norFIT<-uqarchfit(spec=DJACCi11nor,data=datDJACretINSA DJACCi11norFIT
DJACCi22norFIT<-uqarchfit(spec=DJACCi22nor,data=datDJACretINSA DJACCi22norFIT
DJACCi12norFIT<-uqarchfit(spec=DJACCi12nor,data=datDJACretINSA DJACCi12norFIT
DJACCi21norFIT<-uqarchfit(spec=DJACCi21nor,data=datDJACretINSA DJACCi21norFIT
DJACCc11norFIT<-uqarchfit(spec=DJACCc11nor,data=datDJACretINSA DJACCc11norFIT
DJACCc22norFIT<-uqarchfit(spec=DJACCc22nor,data=datDJACretINSA DJACCc22norFIT
DJACCc12norFIT<-uqarchfit(spec=DJACCc12nor,data=datDJACretINSA DJACCc12norFIT
DJACCc21norFIT<-uqarchfit(spec=DJACCc21nor,data=datDJACretINSA DJACCc21norFIT
```

#Aluminium

```
DJALs11eedFIT<-uqarchfit(spec=DJALs11eed,data=datDJALretINSA DJALs11gedFIT
DJALs22eedFIT<-uqarchfit(spec=DJALs22eed,data=datDJALretINSA DJALs22gedFIT
DJALs12eedFIT<-uqarchfit(spec=DJALs12eed,data=datDJALretINSA DJALs12gedFIT
DJALs21eedFIT<-uqarchfit(spec=DJALs21eed,data=datDJALretINSA DJALs21gedFIT
DJALe11eedFIT<-uqarchfit(spec=DJALe11eed,data=datDJALretINSA DJALe11gedFIT
DJALe22eedFIT<-uqarchfit(spec=DJALe22eed,data=datDJALretINSA DJALe22gedFIT
DJALe12eedFIT<-uqarchfit(spec=DJALe12eed,data=datDJALretINSA DJALe12gedFIT
DJALe21eedFIT<-uqarchfit(spec=DJALe21eed,data=datDJALretINSA DJALe21gedFIT
DJALg11eedFIT<-uqarchfit(spec=DJALg11eed,data=datDJALretINSA DJALg11gedFIT
DJALg22eedFIT<-uqarchfit(spec=DJALg22eed,data=datDJALretINSA DJALg22gedFIT
DJALg12eedFIT<-uqarchfit(spec=DJALg12eed,data=datDJALretINSA DJALg12gedFIT
DJALg21eedFIT<-uqarchfit(spec=DJALg21eed,data=datDJALretINSA DJALg21gedFIT
DJALi11eedFIT<-uqarchfit(spec=DJALi11eed,data=datDJALretINSA DJALi11gedFIT
DJALi22eedFIT<-uqarchfit(spec=DJALi22eed,data=datDJALretINSA DJALi22gedFIT
DJALi12eedFIT<-uqarchfit(spec=DJALi12eed,data=datDJALretINSA DJALi12gedFIT
DJALi21eedFIT<-uqarchfit(spec=DJALi21eed,data=datDJALretINSA DJALi21gedFIT
DJALc11eedFIT<-uqarchfit(spec=DJALc11eed,data=datDJALretINSA DJALc11gedFIT
DJALc22eedFIT<-uqarchfit(spec=DJALc22eed,data=datDJALretINSA DJALc22gedFIT
DJALc12eedFIT<-uqarchfit(spec=DJALc12eed,data=datDJALretINSA DJALc12gedFIT
DJALc21eedFIT<-uqarchfit(spec=DJALc21eed,data=datDJALretINSA DJALc21gedFIT

DJALs11stdFIT<-uqarchfit(spec=DJALs11std,data=datDJALretINSA DJALs11stdFIT
DJALs22stdFIT<-uqarchfit(spec=DJALs22std,data=datDJALretINSA DJALs22stdFIT
DJALs12stdFIT<-uqarchfit(spec=DJALs12std,data=datDJALretINSA DJALs12stdFIT
DJALs21stdFIT<-uqarchfit(spec=DJALs21std,data=datDJALretINSA DJALs21stdFIT
DJALe11stdFIT<-uqarchfit(spec=DJALe11std,data=datDJALretINSA DJALe11stdFIT
DJALe22stdFIT<-uqarchfit(spec=DJALe22std,data=datDJALretINSA DJALe22stdFIT
DJALe12stdFIT<-uqarchfit(spec=DJALe12std,data=datDJALretINSA DJALe12stdFIT
DJALe21stdFIT<-uqarchfit(spec=DJALe21std,data=datDJALretINSA DJALe21stdFIT
DJALg11stdFIT<-uqarchfit(spec=DJALg11std,data=datDJALretINSA DJALg11stdFIT
DJALg22stdFIT<-uqarchfit(spec=DJALg22std,data=datDJALretINSA DJALg22stdFIT
DJALg12stdFIT<-uqarchfit(spec=DJALg12std,data=datDJALretINSA DJALg12stdFIT
DJALg21stdFIT<-uqarchfit(spec=DJALg21std,data=datDJALretINSA DJALg21stdFIT
DJALi11stdFIT<-uqarchfit(spec=DJALi11std,data=datDJALretINSA DJALi11stdFIT
DJALi22stdFIT<-uqarchfit(spec=DJALi22std,data=datDJALretINSA DJALi22stdFIT
DJALi12stdFIT<-uqarchfit(spec=DJALi12std,data=datDJALretINSA DJALi12stdFIT
DJALi21stdFIT<-uqarchfit(spec=DJALi21std,data=datDJALretINSA DJALi21stdFIT
DJALc11stdFIT<-uqarchfit(spec=DJALc11std,data=datDJALretINSA DJALc11stdFIT
DJALc22stdFIT<-uqarchfit(spec=DJALc22std,data=datDJALretINSA DJALc22stdFIT
DJALc12stdFIT<-uqarchfit(spec=DJALc12std,data=datDJALretINSA DJALc12stdFIT
DJALc21stdFIT<-uqarchfit(spec=DJALc21std,data=datDJALretINSA DJALc21stdFIT

DJALs11norFIT<-uqarchfit(spec=DJALs11nor,data=datDJALretINSA DJALs11norFIT
DJALs22norFIT<-uqarchfit(spec=DJALs22nor,data=datDJALretINSA DJALs22norFIT
DJALs12norFIT<-uqarchfit(spec=DJALs12nor,data=datDJALretINSA DJALs12norFIT
DJALs21norFIT<-uqarchfit(spec=DJALs21nor,data=datDJALretINSA DJALs21norFIT
DJALe11norFIT<-uqarchfit(spec=DJALe11nor,data=datDJALretINSA DJALe11norFIT
DJALe22norFIT<-uqarchfit(spec=DJALe22nor,data=datDJALretINSA DJALe22norFIT
DJALe12norFIT<-uqarchfit(spec=DJALe12nor,data=datDJALretINSA DJALe12norFIT
DJALe21norFIT<-uqarchfit(spec=DJALe21nor,data=datDJALretINSA DJALe21norFIT
DJALe11norFIT<-uqarchfit(spec=DJALe11nor,data=datDJALretINSA DJALg11norFIT
DJALe22norFIT<-uqarchfit(spec=DJALe22nor,data=datDJALretINSA DJALg22norFIT
DJALe12norFIT<-uqarchfit(spec=DJALe12nor,data=datDJALretINSA DJALg12norFIT
DJALe21norFIT<-uqarchfit(spec=DJALe21nor,data=datDJALretINSA DJALg21norFIT
DJALi11norFIT<-uqarchfit(spec=DJALi11nor,data=datDJALretINSA DJALi11norFIT
DJALi22norFIT<-uqarchfit(spec=DJALi22nor,data=datDJALretINSA DJALi22norFIT
DJALi12norFIT<-uqarchfit(spec=DJALi12nor,data=datDJALretINSA DJALi12norFIT
DJALi21norFIT<-uqarchfit(spec=DJALi21nor,data=datDJALretINSA DJALi21norFIT
DJALc11norFIT<-uqarchfit(spec=DJALc11nor,data=datDJALretINSA DJALc11norFIT
DJALc22norFIT<-uqarchfit(spec=DJALc22nor,data=datDJALretINSA DJALc22norFIT
DJALc12norFIT<-uqarchfit(spec=DJALc12nor,data=datDJALretINSA DJALc12norFIT
DJALc21norFIT<-uqarchfit(spec=DJALc21nor,data=datDJALretINSA DJALc21norFIT
```

#Cocoa

```
DJCCs11eedFIT<-uqarchfit(spec=DJCCs11eed,data=datDJCCretINSA DJCCs11gedFIT
DJCCs22eedFIT<-uqarchfit(spec=DJCCs22eed,data=datDJCCretINSA DJCCs22gedFIT
DJCCs12eedFIT<-uqarchfit(spec=DJCCs12eed,data=datDJCCretINSA DJCCs12gedFIT
DJCCs21eedFIT<-uqarchfit(spec=DJCCs21eed,data=datDJCCretINSA DJCCs21gedFIT
DJCCe11eedFIT<-uqarchfit(spec=DJCCe11eed,data=datDJCCretINSA DJCCe11gedFIT
DJCCe22eedFIT<-uqarchfit(spec=DJCCe22eed,data=datDJCCretINSA DJCCe22gedFIT
DJCCe12eedFIT<-uqarchfit(spec=DJCCe12eed,data=datDJCCretINSA DJCCe12gedFIT
DJCCe21eedFIT<-uqarchfit(spec=DJCCe21eed,data=datDJCCretINSA DJCCe21gedFIT
DJCCg11eedFIT<-uqarchfit(spec=DJCCg11eed,data=datDJCCretINSA DJCCg11gedFIT
DJCCg22eedFIT<-uqarchfit(spec=DJCCg22eed,data=datDJCCretINSA DJCCg22gedFIT
DJCCg12eedFIT<-uqarchfit(spec=DJCCg12eed,data=datDJCCretINSA DJCCg12gedFIT
DJCCg21eedFIT<-uqarchfit(spec=DJCCg21eed,data=datDJCCretINSA DJCCg21gedFIT
DJCCi11eedFIT<-uqarchfit(spec=DJCCi11eed,data=datDJCCretINSA DJCCi11gedFIT
DJCCi22eedFIT<-uqarchfit(spec=DJCCi22eed,data=datDJCCretINSA DJCCi22gedFIT
DJCCi12eedFIT<-uqarchfit(spec=DJCCi12eed,data=datDJCCretINSA DJCCi12gedFIT
DJCCi21eedFIT<-uqarchfit(spec=DJCCi21eed,data=datDJCCretINSA DJCCi21gedFIT
DJCCc11eedFIT<-uqarchfit(spec=DJCCc11eed,data=datDJCCretINSA DJCCc11gedFIT
DJCCc22eedFIT<-uqarchfit(spec=DJCCc22eed,data=datDJCCretINSA DJCCc22gedFIT
DJCCc12eedFIT<-uqarchfit(spec=DJCCc12eed,data=datDJCCretINSA DJCCc12gedFIT
DJCCc21eedFIT<-uqarchfit(spec=DJCCc21eed,data=datDJCCretINSA DJCCc21gedFIT

DJCCs11stdFIT<-uqarchfit(spec=DJCCs11std,data=datDJCCretINSA DJCCs11stdFIT
DJCCs22stdFIT<-uqarchfit(spec=DJCCs22std,data=datDJCCretINSA DJCCs22stdFIT
DJCCs12stdFIT<-uqarchfit(spec=DJCCs12std,data=datDJCCretINSA DJCCs12stdFIT
DJCCs21stdFIT<-uqarchfit(spec=DJCCs21std,data=datDJCCretINSA DJCCs21stdFIT
DJCCe11stdFIT<-uqarchfit(spec=DJCCe11std,data=datDJCCretINSA DJCCe11stdFIT
DJCCe22stdFIT<-uqarchfit(spec=DJCCe22std,data=datDJCCretINSA DJCCe22stdFIT
DJCCe12stdFIT<-uqarchfit(spec=DJCCe12std,data=datDJCCretINSA DJCCe12stdFIT
DJCCe21stdFIT<-uqarchfit(spec=DJCCe21std,data=datDJCCretINSA DJCCe21stdFIT
DJCCg11stdFIT<-uqarchfit(spec=DJCCg11std,data=datDJCCretINSA DJCCg11stdFIT
DJCCg22stdFIT<-uqarchfit(spec=DJCCg22std,data=datDJCCretINSA DJCCg22stdFIT
DJCCg12stdFIT<-uqarchfit(spec=DJCCg12std,data=datDJCCretINSA DJCCg12stdFIT
DJCCg21stdFIT<-uqarchfit(spec=DJCCg21std,data=datDJCCretINSA DJCCg21stdFIT
DJCCi11stdFIT<-uqarchfit(spec=DJCCi11std,data=datDJCCretINSA DJCCi11stdFIT
DJCCi22stdFIT<-uqarchfit(spec=DJCCi22std,data=datDJCCretINSA DJCCi22stdFIT
DJCCi12stdFIT<-uqarchfit(spec=DJCCi12std,data=datDJCCretINSA DJCCi12stdFIT
DJCCi21stdFIT<-uqarchfit(spec=DJCCi21std,data=datDJCCretINSA DJCCi21stdFIT
DJCCc11stdFIT<-uqarchfit(spec=DJCCc11std,data=datDJCCretINSA DJCCc11stdFIT
DJCCc22stdFIT<-uqarchfit(spec=DJCCc22std,data=datDJCCretINSA DJCCc22stdFIT
DJCCc12stdFIT<-uqarchfit(spec=DJCCc12std,data=datDJCCretINSA DJCCc12stdFIT
DJCCc21stdFIT<-uqarchfit(spec=DJCCc21std,data=datDJCCretINSA DJCCc21stdFIT

DJCCs11norFIT<-uqarchfit(spec=DJCCs11nor,data=datDJCCretINSA DJCCs11norFIT
DJCCs22norFIT<-uqarchfit(spec=DJCCs22nor,data=datDJCCretINSA DJCCs22norFIT
DJCCs12norFIT<-uqarchfit(spec=DJCCs12nor,data=datDJCCretINSA DJCCs12norFIT
DJCCs21norFIT<-uqarchfit(spec=DJCCs21nor,data=datDJCCretINSA DJCCs21norFIT
DJCCe11norFIT<-uqarchfit(spec=DJCCe11nor,data=datDJCCretINSA DJCCe11norFIT
DJCCe22norFIT<-uqarchfit(spec=DJCCe22nor,data=datDJCCretINSA DJCCe22norFIT
DJCCe12norFIT<-uqarchfit(spec=DJCCe12nor,data=datDJCCretINSA DJCCe12norFIT
DJCCe21norFIT<-uqarchfit(spec=DJCCe21nor,data=datDJCCretINSA DJCCe21norFIT
DJCCg11norFIT<-uqarchfit(spec=DJCCg11nor,data=datDJCCretINSA DJCCg11norFIT
DJCCg22norFIT<-uqarchfit(spec=DJCCg22nor,data=datDJCCretINSA DJCCg22norFIT
DJCCg12norFIT<-uqarchfit(spec=DJCCg12nor,data=datDJCCretINSA DJCCg12norFIT
DJCCg21norFIT<-uqarchfit(spec=DJCCg21nor,data=datDJCCretINSA DJCCg21norFIT
DJCCi11norFIT<-uqarchfit(spec=DJCCi11nor,data=datDJCCretINSA DJCCi11norFIT
DJCCi22norFIT<-uqarchfit(spec=DJCCi22nor,data=datDJCCretINSA DJCCi22norFIT
DJCCi12norFIT<-uqarchfit(spec=DJCCi12nor,data=datDJCCretINSA DJCCi12norFIT
DJCCi21norFIT<-uqarchfit(spec=DJCCi21nor,data=datDJCCretINSA DJCCi21norFIT
DJCCc11norFIT<-uqarchfit(spec=DJCCc11nor,data=datDJCCretINSA DJCCc11norFIT
DJCCc22norFIT<-uqarchfit(spec=DJCCc22nor,data=datDJCCretINSA DJCCc22norFIT
DJCCc12norFIT<-uqarchfit(spec=DJCCc12nor,data=datDJCCretINSA DJCCc12norFIT
DJCCc21norFIT<-uqarchfit(spec=DJCCc21nor,data=datDJCCretINSA DJCCc21norFIT
DJCCa11norFIT<-uqarchfit(spec=DJCCa11nor,data=datDJCCretINSA DJCCa11norFIT
```

#CoffeeFIT

```
DJCFs11eedFIT<-uqarchfit(spec=DJCFs11eed,data=datDJCFretINSA DJCFs11gedFIT
DJCFs22eedFIT<-uqarchfit(spec=DJCFs22eed,data=datDJCFretINSA DJCFs22gedFIT
DJCFs12eedFIT<-uqarchfit(spec=DJCFs12eed,data=datDJCFretINSA DJCFs12gedFIT
DJCFs21eedFIT<-uqarchfit(spec=DJCFs21eed,data=datDJCFretINSA DJCFs21gedFIT
DJCFe11eedFIT<-uqarchfit(spec=DJCFe11eed,data=datDJCFretINSA DJCFe11gedFIT
DJCFe22eedFIT<-uqarchfit(spec=DJCFe22eed,data=datDJCFretINSA DJCFe22gedFIT
DJCFe12eedFIT<-uqarchfit(spec=DJCFe12eed,data=datDJCFretINSA DJCFe12gedFIT
DJCFe21eedFIT<-uqarchfit(spec=DJCFe21eed,data=datDJCFretINSA DJCFe21gedFIT
DJCFg11eedFIT<-uqarchfit(spec=DJCFg11eed,data=datDJCFretINSA DJCFg11gedFIT
DJCFg22eedFIT<-uqarchfit(spec=DJCFg22eed,data=datDJCFretINSA DJCFg22gedFIT
DJCFg12eedFIT<-uqarchfit(spec=DJCFg12eed,data=datDJCFretINSA DJCFg12gedFIT
DJCFg21eedFIT<-uqarchfit(spec=DJCFg21eed,data=datDJCFretINSA DJCFg21gedFIT
DJCFi11eedFIT<-uqarchfit(spec=DJCFi11eed,data=datDJCFretINSA DJCFi11gedFIT
DJCFi22eedFIT<-uqarchfit(spec=DJCFi22eed,data=datDJCFretINSA DJCFi22gedFIT
DJCFi12eedFIT<-uqarchfit(spec=DJCFi12eed,data=datDJCFretINSA DJCFi12gedFIT
DJCFi21eedFIT<-uqarchfit(spec=DJCFi21eed,data=datDJCFretINSA DJCFi21gedFIT
DJCFc11eedFIT<-uqarchfit(spec=DJCFc11eed,data=datDJCFretINSA DJCFc11gedFIT
DJCFc22eedFIT<-uqarchfit(spec=DJCFc22eed,data=datDJCFretINSA DJCFc22gedFIT
DJCFc12eedFIT<-uqarchfit(spec=DJCFc12eed,data=datDJCFretINSA DJCFc12gedFIT
DJCFc21eedFIT<-uqarchfit(spec=DJCFc21eed,data=datDJCFretINSA DJCFc21gedFIT

DJCFs11stdFIT<-uqarchfit(spec=DJCFs11std,data=datDJCFretINSA DJCFs11stdFIT
DJCFs22stdFIT<-uqarchfit(spec=DJCFs22std,data=datDJCFretINSA DJCFs22stdFIT
DJCFs12stdFIT<-uqarchfit(spec=DJCFs12std,data=datDJCFretINSA DJCFs12stdFIT
DJCFs21stdFIT<-uqarchfit(spec=DJCFs21std,data=datDJCFretINSA DJCFs21stdFIT
DJCFe11stdFIT<-uqarchfit(spec=DJCFe11std,data=datDJCFretINSA DJCFe11stdFIT
DJCFe22stdFIT<-uqarchfit(spec=DJCFe22std,data=datDJCFretINSA DJCFe22stdFIT
DJCFe12stdFIT<-uqarchfit(spec=DJCFe12std,data=datDJCFretINSA DJCFe12stdFIT
DJCFe21stdFIT<-uqarchfit(spec=DJCFe21std,data=datDJCFretINSA DJCFe21stdFIT
DJCFe11stdFIT<-uqarchfit(spec=DJCFe11std,data=datDJCFretINSA DJCFg11stdFIT
DJCFe22stdFIT<-uqarchfit(spec=DJCFe22std,data=datDJCFretINSA DJCFg22stdFIT
DJCFe12stdFIT<-uqarchfit(spec=DJCFe12std,data=datDJCFretINSA DJCFg12stdFIT
DJCFg21stdFIT<-uqarchfit(spec=DJCFg21std,data=datDJCFretINSA DJCFg21stdFIT
DJCFi11stdFIT<-uqarchfit(spec=DJCFi11std,data=datDJCFretINSA DJCFi11stdFIT
DJCFi22stdFIT<-uqarchfit(spec=DJCFi22std,data=datDJCFretINSA DJCFi22stdFIT
DJCFi12stdFIT<-uqarchfit(spec=DJCFi12std,data=datDJCFretINSA DJCFi12stdFIT
```

```
D3CFi21stdFIT<-ugarchfit(spec=D3CFi21std,data=datD3CFretINSA D3CFi21stdFIT
D3CFc11stdFIT<-ugarchfit(spec=D3CFc11std,data=datD3CFretINSA D3CFc11stdFIT
D3CFc22stdFIT<-ugarchfit(spec=D3CFc22std,data=datD3CFretINSA D3CFc22stdFIT
D3CFc12stdFIT<-ugarchfit(spec=D3CFc12std,data=datD3CFretINSA D3CFc12stdFIT
D3CFc21stdFIT<-ugarchfit(spec=D3CFc21std,data=datD3CFretINSA D3CFc21stdFIT

D3CFs11norFIT<-ugarchfit(spec=D3CFs11nor,data=datD3CFretINSA D3CFs11norFIT
D3CFs22norFIT<-ugarchfit(spec=D3CFs22nor,data=datD3CFretINSA D3CFs22norFIT
D3CFs12norFIT<-ugarchfit(spec=D3CFs12nor,data=datD3CFretINSA D3CFs12norFIT
D3CFs21norFIT<-ugarchfit(spec=D3CFs21nor,data=datD3CFretINSA D3CFs21norFIT
D3CFe11norFIT<-ugarchfit(spec=D3CFe11nor,data=datD3CFretINSA D3CFe11norFIT
D3CFe22norFIT<-ugarchfit(spec=D3CFe22nor,data=datD3CFretINSA D3CFe22norFIT
D3CFe12norFIT<-ugarchfit(spec=D3CFe12nor,data=datD3CFretINSA D3CFe12norFIT
D3CFe21norFIT<-ugarchfit(spec=D3CFe21nor,data=datD3CFretINSA D3CFe21norFIT
D3CFg11norFIT<-ugarchfit(spec=D3CFe11nor,data=datD3CFretINSA D3CFg11norFIT
D3CFg22norFIT<-ugarchfit(spec=D3CFe22nor,data=datD3CFretINSA D3CFg22norFIT
D3CFg12norFIT<-ugarchfit(spec=D3CFe12nor,data=datD3CFretINSA D3CFg12norFIT
D3CFg21norFIT<-ugarchfit(spec=D3CFe21nor,data=datD3CFretINSA D3CFg21norFIT
D3CFi11norFIT<-ugarchfit(spec=D3CFi11nor,data=datD3CFretINSA D3CFi11norFIT
D3CFi22norFIT<-ugarchfit(spec=D3CFi22nor,data=datD3CFretINSA D3CFi22norFIT
D3CFi12norFIT<-ugarchfit(spec=D3CFi12nor,data=datD3CFretINSA D3CFi12norFIT
D3CFi21norFIT<-ugarchfit(spec=D3CFi21nor,data=datD3CFretINSA D3CFi21norFIT
D3CFc11norFIT<-ugarchfit(spec=D3CFc11nor,data=datD3CFretINSA D3CFc11norFIT
D3CFc22norFIT<-ugarchfit(spec=D3CFc22nor,data=datD3CFretINSA D3CFc22norFIT
D3CFc12norFIT<-ugarchfit(spec=D3CFc12nor,data=datD3CFretINSA D3CFc12norFIT
D3CFc21norFIT<-ugarchfit(spec=D3CFc21nor,data=datD3CFretINSA D3CFc21norFIT
```

##CopperFIT

```
D3CPs11gedFIT<-ugarchfit(spec=D3CPs11ged,data=datD3CPretINSA D3CPs11gedFIT
D3CPs22gedFIT<-ugarchfit(spec=D3CPs22ged,data=datD3CPretINSA D3CPs22gedFIT
D3CPs12gedFIT<-ugarchfit(spec=D3CPs12ged,data=datD3CPretINSA D3CPs12gedFIT
D3CPs21gedFIT<-ugarchfit(spec=D3CPs21ged,data=datD3CPretINSA D3CPs21gedFIT
D3CPe11gedFIT<-ugarchfit(spec=D3CPe11ged,data=datD3CPretINSA D3CPe11gedFIT
D3CPe22gedFIT<-ugarchfit(spec=D3CPe22ged,data=datD3CPretINSA D3CPe22gedFIT
D3CPe12gedFIT<-ugarchfit(spec=D3CPe12ged,data=datD3CPretINSA D3CPe12gedFIT
D3CPe21gedFIT<-ugarchfit(spec=D3CPe21ged,data=datD3CPretINSA D3CPe21gedFIT
D3CPg11gedFIT<-ugarchfit(spec=D3CPg11ged,data=datD3CPretINSA D3CPg11gedFIT
D3CPg22gedFIT<-ugarchfit(spec=D3CPg22ged,data=datD3CPretINSA D3CPg22gedFIT
D3CPg12gedFIT<-ugarchfit(spec=D3CPg12ged,data=datD3CPretINSA D3CPg12gedFIT
D3CPg21gedFIT<-ugarchfit(spec=D3CPg21ged,data=datD3CPretINSA D3CPg21gedFIT
D3CPi11gedFIT<-ugarchfit(spec=D3CPi11ged,data=datD3CPretINSA D3CPi11gedFIT
D3CPi22gedFIT<-ugarchfit(spec=D3CPi22ged,data=datD3CPretINSA D3CPi22gedFIT
D3CPi12gedFIT<-ugarchfit(spec=D3CPi12ged,data=datD3CPretINSA D3CPi12gedFIT
D3CPi21gedFIT<-ugarchfit(spec=D3CPi21ged,data=datD3CPretINSA D3CPi21gedFIT
D3CPc11gedFIT<-ugarchfit(spec=D3CPc11ged,data=datD3CPretINSA D3CPc11gedFIT
D3CPc22gedFIT<-ugarchfit(spec=D3CPc22ged,data=datD3CPretINSA D3CPc22gedFIT
D3CPc12gedFIT<-ugarchfit(spec=D3CPc12ged,data=datD3CPretINSA D3CPc12gedFIT
D3CPc21gedFIT<-ugarchfit(spec=D3CPc21ged,data=datD3CPretINSA D3CPc21gedFIT

D3CPs11stdFIT<-ugarchfit(spec=D3CPs11std,data=datD3CPretINSA D3CPs11stdFIT
D3CPs22stdFIT<-ugarchfit(spec=D3CPs22std,data=datD3CPretINSA D3CPs22stdFIT
D3CPs12stdFIT<-ugarchfit(spec=D3CPs12std,data=datD3CPretINSA D3CPs12stdFIT
D3CPs21stdFIT<-ugarchfit(spec=D3CPs21std,data=datD3CPretINSA D3CPs21stdFIT
D3CPe11stdFIT<-ugarchfit(spec=D3CPe11std,data=datD3CPretINSA D3CPe11stdFIT
D3CPe22stdFIT<-ugarchfit(spec=D3CPe22std,data=datD3CPretINSA D3CPe22stdFIT
D3CPe12stdFIT<-ugarchfit(spec=D3CPe12std,data=datD3CPretINSA D3CPe12stdFIT
D3CPe21stdFIT<-ugarchfit(spec=D3CPe21std,data=datD3CPretINSA D3CPe21stdFIT
D3CPg11stdFIT<-ugarchfit(spec=D3CPe11std,data=datD3CPretINSA D3CPg11stdFIT
D3CPg22stdFIT<-ugarchfit(spec=D3CPe22std,data=datD3CPretINSA D3CPg22stdFIT
D3CPg12stdFIT<-ugarchfit(spec=D3CPe12std,data=datD3CPretINSA D3CPg12stdFIT
D3CPg21stdFIT<-ugarchfit(spec=D3CPe21std,data=datD3CPretINSA D3CPg21stdFIT
D3CPi11stdFIT<-ugarchfit(spec=D3CPi11std,data=datD3CPretINSA D3CPi11stdFIT
D3CPi22stdFIT<-ugarchfit(spec=D3CPi22std,data=datD3CPretINSA D3CPi22stdFIT
D3CPi12stdFIT<-ugarchfit(spec=D3CPi12std,data=datD3CPretINSA D3CPi12stdFIT
D3CPi21stdFIT<-ugarchfit(spec=D3CPi21std,data=datD3CPretINSA D3CPi21stdFIT
D3CPc11stdFIT<-ugarchfit(spec=D3CPc11std,data=datD3CPretINSA D3CPc11stdFIT
D3CPc22stdFIT<-ugarchfit(spec=D3CPc22std,data=datD3CPretINSA D3CPc22stdFIT
D3CPc12stdFIT<-ugarchfit(spec=D3CPc12std,data=datD3CPretINSA D3CPc12stdFIT
D3CPc21stdFIT<-ugarchfit(spec=D3CPc21std,data=datD3CPretINSA D3CPc21stdFIT

D3CPs11norFIT<-ugarchfit(spec=D3CPs11nor,data=datD3CPretINSA D3CPs11norFIT
D3CPs22norFIT<-ugarchfit(spec=D3CPs22nor,data=datD3CPretINSA D3CPs22norFIT
D3CPs12norFIT<-ugarchfit(spec=D3CPs12nor,data=datD3CPretINSA D3CPs12norFIT
D3CPs21norFIT<-ugarchfit(spec=D3CPs21nor,data=datD3CPretINSA D3CPs21norFIT
D3CPe11norFIT<-ugarchfit(spec=D3CPe11nor,data=datD3CPretINSA D3CPe11norFIT
D3CPe22norFIT<-ugarchfit(spec=D3CPe22nor,data=datD3CPretINSA D3CPe22norFIT
D3CPe12norFIT<-ugarchfit(spec=D3CPe12nor,data=datD3CPretINSA D3CPe12norFIT
D3CPe21norFIT<-ugarchfit(spec=D3CPe21nor,data=datD3CPretINSA D3CPe21norFIT
D3CPg11norFIT<-ugarchfit(spec=D3CPg11nor,data=datD3CPretINSA D3CPg11norFIT
D3CPg22norFIT<-ugarchfit(spec=D3CPg22nor,data=datD3CPretINSA D3CPg22norFIT
D3CPe12norFIT<-ugarchfit(spec=D3CPe12nor,data=datD3CPretINSA D3CPg12norFIT
D3CPe21norFIT<-ugarchfit(spec=D3CPe21nor,data=datD3CPretINSA D3CPg21norFIT
D3CPi11norFIT<-ugarchfit(spec=D3CPi11nor,data=datD3CPretINSA D3CPi11norFIT
D3CPi22norFIT<-ugarchfit(spec=D3CPi22nor,data=datD3CPretINSA D3CPi22norFIT
D3CPi12norFIT<-ugarchfit(spec=D3CPi12nor,data=datD3CPretINSA D3CPi12norFIT
D3CPi21norFIT<-ugarchfit(spec=D3CPi21nor,data=datD3CPretINSA D3CPi21norFIT
D3CPc11norFIT<-ugarchfit(spec=D3CPc11nor,data=datD3CPretINSA D3CPc11norFIT
D3CPc22norFIT<-ugarchfit(spec=D3CPc22nor,data=datD3CPretINSA D3CPc22norFIT
D3CPc12norFIT<-ugarchfit(spec=D3CPc12nor,data=datD3CPretINSA D3CPc12norFIT
D3CPc21norFIT<-ugarchfit(spec=D3CPc21nor,data=datD3CPretINSA D3CPc21norFIT
```

##CottonFIT

```
D3CTs11gedFIT<-ugarchfit(spec=D3CTs11ged,data=datD3CTretINSA D3CTs11gedFIT
D3CTs22gedFIT<-ugarchfit(spec=D3CTs22ged,data=datD3CTretINSA D3CTs22gedFIT
D3CTs12gedFIT<-ugarchfit(spec=D3CTs12ged,data=datD3CTretINSA D3CTs12gedFIT
D3CTs21gedFIT<-ugarchfit(spec=D3CTs21ged,data=datD3CTretINSA D3CTs21gedFIT
D3CTe11gedFIT<-ugarchfit(spec=D3CTe11ged,data=datD3CTretINSA D3CTe11gedFIT
D3CTe22gedFIT<-ugarchfit(spec=D3CTe22ged,data=datD3CTretINSA D3CTe22gedFIT
D3CTe12gedFIT<-ugarchfit(spec=D3CTe12ged,data=datD3CTretINSA D3CTe12gedFIT
D3CTe21gedFIT<-ugarchfit(spec=D3CTe21ged,data=datD3CTretINSA D3CTe21gedFIT
D3CTg11gedFIT<-ugarchfit(spec=D3CTg11ged,data=datD3CTretINSA D3CTg11gedFIT
D3CTg22gedFIT<-ugarchfit(spec=D3CTg22ged,data=datD3CTretINSA D3CTg22gedFIT
D3CTg12gedFIT<-ugarchfit(spec=D3CTg12ged,data=datD3CTretINSA D3CTg12gedFIT
D3CTg21gedFIT<-ugarchfit(spec=D3CTg21ged,data=datD3CTretINSA D3CTg21gedFIT
D3CTi11gedFIT<-ugarchfit(spec=D3CTi11ged,data=datD3CTretINSA D3CTi11gedFIT
D3CTi22gedFIT<-ugarchfit(spec=D3CTi22ged,data=datD3CTretINSA D3CTi22gedFIT
D3CTi12gedFIT<-ugarchfit(spec=D3CTi12ged,data=datD3CTretINSA D3CTi12gedFIT
D3CTi21gedFIT<-ugarchfit(spec=D3CTi21ged,data=datD3CTretINSA D3CTi21gedFIT
D3CTc11gedFIT<-ugarchfit(spec=D3CTc11ged,data=datD3CTretINSA D3CTc11gedFIT
D3CTc22gedFIT<-ugarchfit(spec=D3CTc22ged,data=datD3CTretINSA D3CTc22gedFIT
D3CTc12gedFIT<-ugarchfit(spec=D3CTc12ged,data=datD3CTretINSA D3CTc12gedFIT
D3CTc21gedFIT<-ugarchfit(spec=D3CTc21ged,data=datD3CTretINSA D3CTc21gedFIT

D3CTs11stdFIT<-ugarchfit(spec=D3CTs11std,data=datD3CTretINSA D3CTs11stdFIT
D3CTs22stdFIT<-ugarchfit(spec=D3CTs22std,data=datD3CTretINSA D3CTs22stdFIT
D3CTs12stdFIT<-ugarchfit(spec=D3CTs12std,data=datD3CTretINSA D3CTs12stdFIT
D3CTs21stdFIT<-ugarchfit(spec=D3CTs21std,data=datD3CTretINSA D3CTs21stdFIT
D3CTe11stdFIT<-ugarchfit(spec=D3CTe11std,data=datD3CTretINSA D3CTe11stdFIT
D3CTe22stdFIT<-ugarchfit(spec=D3CTe22std,data=datD3CTretINSA D3CTe22stdFIT
D3CTe12stdFIT<-ugarchfit(spec=D3CTe12std,data=datD3CTretINSA D3CTe12stdFIT
D3CTe21stdFIT<-ugarchfit(spec=D3CTe21std,data=datD3CTretINSA D3CTe21stdFIT
D3CTg11stdFIT<-ugarchfit(spec=D3CTe11std,data=datD3CTretINSA D3CTg11stdFIT
D3CTe22stdFIT<-ugarchfit(spec=D3CTe22std,data=datD3CTretINSA D3CTg22stdFIT
D3CTe12stdFIT<-ugarchfit(spec=D3CTe12std,data=datD3CTretINSA D3CTg12stdFIT
D3CTe21stdFIT<-ugarchfit(spec=D3CTe21std,data=datD3CTretINSA D3CTg21stdFIT
D3CTi11stdFIT<-ugarchfit(spec=D3CTi11std,data=datD3CTretINSA D3CTi11stdFIT
D3CTi22stdFIT<-ugarchfit(spec=D3CTi22std,data=datD3CTretINSA D3CTi22stdFIT
D3CTi12stdFIT<-ugarchfit(spec=D3CTi12std,data=datD3CTretINSA D3CTi12stdFIT
D3CTi21stdFIT<-ugarchfit(spec=D3CTi21std,data=datD3CTretINSA D3CTi21stdFIT
D3CTc11stdFIT<-ugarchfit(spec=D3CTc11std,data=datD3CTretINSA D3CTc11stdFIT
D3CTc22stdFIT<-ugarchfit(spec=D3CTc22std,data=datD3CTretINSA D3CTc22stdFIT
D3CTc12stdFIT<-ugarchfit(spec=D3CTc12std,data=datD3CTretINSA D3CTc12stdFIT
D3CTc21stdFIT<-ugarchfit(spec=D3CTc21std,data=datD3CTretINSA D3CTc21stdFIT

D3CTs11norFIT<-ugarchfit(spec=D3CTs11nor,data=datD3CTretINSA D3CTs11norFIT
D3CTs22norFIT<-ugarchfit(spec=D3CTs22nor,data=datD3CTretINSA D3CTs22norFIT
D3CTs12norFIT<-ugarchfit(spec=D3CTs12nor,data=datD3CTretINSA D3CTs12norFIT
D3CTs21norFIT<-ugarchfit(spec=D3CTs21nor,data=datD3CTretINSA D3CTs21norFIT
D3CTe11norFIT<-ugarchfit(spec=D3CTe11nor,data=datD3CTretINSA D3CTe11norFIT
D3CTe22norFIT<-ugarchfit(spec=D3CTe22nor,data=datD3CTretINSA D3CTe22norFIT
D3CTe12norFIT<-ugarchfit(spec=D3CTe12nor,data=datD3CTretINSA D3CTe12norFIT
D3CTe21norFIT<-ugarchfit(spec=D3CTe21nor,data=datD3CTretINSA D3CTe21norFIT
D3CTg11norFIT<-ugarchfit(spec=D3CTg11nor,data=datD3CTretINSA D3CTg11norFIT
D3CTg22norFIT<-ugarchfit(spec=D3CTg22nor,data=datD3CTretINSA D3CTg22norFIT
D3CTg12norFIT<-ugarchfit(spec=D3CTg12nor,data=datD3CTretINSA D3CTg12norFIT
D3CTe21norFIT<-ugarchfit(spec=D3CTe21nor,data=datD3CTretINSA D3CTg21norFIT
D3CTi11norFIT<-ugarchfit(spec=D3CTi11nor,data=datD3CTretINSA D3CTi11norFIT
D3CTi22norFIT<-ugarchfit(spec=D3CTi22nor,data=datD3CTretINSA D3CTi22norFIT
D3CTi12norFIT<-ugarchfit(spec=D3CTi12nor,data=datD3CTretINSA D3CTi12norFIT
D3CTi21norFIT<-ugarchfit(spec=D3CTi21nor,data=datD3CTretINSA D3CTi21norFIT
D3CTc11norFIT<-ugarchfit(spec=D3CTc11nor,data=datD3CTretINSA D3CTc11norFIT
D3CTc22norFIT<-ugarchfit(spec=D3CTc22nor,data=datD3CTretINSA D3CTc22norFIT
D3CTc12norFIT<-ugarchfit(spec=D3CTc12nor,data=datD3CTretINSA D3CTc12norFIT
D3CTc21norFIT<-ugarchfit(spec=D3CTc21nor,data=datD3CTretINSA D3CTc21norFIT
```

##LeadFIT

```
D3LEs11gedFIT<-ugarchfit(spec=D3LEs11ged,data=datD3LEretINSA D3LEs11gedFIT
D3LEs22gedFIT<-ugarchfit(spec=D3LEs22ged,data=datD3LEretINSA D3LEs22gedFIT
D3LEs12gedFIT<-ugarchfit(spec=D3LEs12ged,data=datD3LEretINSA D3LEs12gedFIT
D3LEs21gedFIT<-ugarchfit(spec=D3LEs21ged,data=datD3LEretINSA D3LEs21gedFIT
D3LEe11gedFIT<-ugarchfit(spec=D3LEe11ged,data=datD3LEretINSA D3LEe11gedFIT
D3LEe22gedFIT<-ugarchfit(spec=D3LEe22ged,data=datD3LEretINSA D3LEe22gedFIT
D3LEe12gedFIT<-ugarchfit(spec=D3LEe12ged,data=datD3LEretINSA D3LEe12gedFIT
D3LEe21gedFIT<-ugarchfit(spec=D3LEe21ged,data=datD3LEretINSA D3LEe21gedFIT
D3LEg11gedFIT<-ugarchfit(spec=D3LEe11ged,data=datD3LEretINSA D3LEg11gedFIT
D3LEg22gedFIT<-ugarchfit(spec=D3LEg22ged,data=datD3LEretINSA D3LEg22gedFIT
D3LEg12gedFIT<-ugarchfit(spec=D3LEg12ged,data=datD3LEretINSA D3LEg12gedFIT
D3LEg21gedFIT<-ugarchfit(spec=D3LEg21ged,data=datD3LEretINSA D3LEg21gedFIT
D3LEi11gedFIT<-ugarchfit(spec=D3LEi11ged,data=datD3LEretINSA D3LEi11gedFIT
D3LEi22gedFIT<-ugarchfit(spec=D3LEi22ged,data=datD3LEretINSA D3LEi22gedFIT
D3LEi12gedFIT<-ugarchfit(spec=D3LEi12ged,data=datD3LEretINSA D3LEi12gedFIT
D3LEi21gedFIT<-ugarchfit(spec=D3LEi21ged,data=datD3LEretINSA D3LEi21gedFIT
D3LEc11gedFIT<-ugarchfit(spec=D3LEc11ged,data=datD3LEretINSA D3LEc11gedFIT
D3LEc22gedFIT<-ugarchfit(spec=D3LEc22ged,data=datD3LEretINSA D3LEc22gedFIT
D3LEc12gedFIT<-ugarchfit(spec=D3LEc12ged,data=datD3LEretINSA D3LEc12gedFIT
D3LEc21gedFIT<-ugarchfit(spec=D3LEc21ged,data=datD3LEretINSA D3LEc21gedFIT

D3LEs11stdFIT<-ugarchfit(spec=D3LEs11std,data=datD3LEretINSA D3LEs11stdFIT
D3LEs22stdFIT<-ugarchfit(spec=D3LEs22std,data=datD3LEretINSA D3LEs22stdFIT
D3LEs12stdFIT<-ugarchfit(spec=D3LEs12std,data=datD3LEretINSA D3LEs12stdFIT
D3LEs21stdFIT<-ugarchfit(spec=D3LEs21std,data=datD3LEretINSA D3LEs21stdFIT
D3LEe11stdFIT<-ugarchfit(spec=D3LEe11std,data=datD3LEretINSA D3LEe11stdFIT
D3LEe22stdFIT<-ugarchfit(spec=D3LEe22std,data=datD3LEretINSA D3LEe22stdFIT
D3LEe12stdFIT<-ugarchfit(spec=D3LEe12std,data=datD3LEretINSA D3LEe12stdFIT
D3LEe21stdFIT<-ugarchfit(spec=D3LEe21std,data=datD3LEretINSA D3LEe21stdFIT
D3LEe11stdFIT<-ugarchfit(spec=D3LEe11std,data=datD3LEretINSA D3LEg11stdFIT
D3LEe22stdFIT<-ugarchfit(spec=D3LEe22std,data=datD3LEretINSA D3LEg22stdFIT
D3LEe12stdFIT<-ugarchfit(spec=D3LEe12std,data=datD3LEretINSA D3LEg12stdFIT
D3LEe21stdFIT<-ugarchfit(spec=D3LEe21std,data=datD3LEretINSA D3LEg21stdFIT
D3LEi11stdFIT<-ugarchfit(spec=D3LEi11std,data=datD3LEretINSA D3LEi11stdFIT
D3LEi22stdFIT<-ugarchfit(spec=D3LEi22std,data=datD3LEretINSA D3LEi22stdFIT
D3LEi12stdFIT<-ugarchfit(spec=D3LEi12std,data=datD3LEretINSA D3LEi12stdFIT
D3LEi21stdFIT<-ugarchfit(spec=D3LEi21std,data=datD3LEretINSA D3LEi21stdFIT
D3LEc11stdFIT<-ugarchfit(spec=D3LEc11std,data=datD3LEretINSA D3LEc11stdFIT
D3LEc22stdFIT<-ugarchfit(spec=D3LEc22std,data=datD3LEretINSA D3LEc22stdFIT
```

```
DJLEc12stdFIT<-ugarchfit(spec=DJLEc12std,data=datDJLEretINSA DJLEc12stdFIT
DJLEc21stdFIT<-ugarchfit(spec=DJLEc21std,data=datDJLEretINSA DJLEc21stdFIT

DJLEs11norFIT<-ugarchfit(spec=DJLEs11nor.data=datDJLEretINSA DJLEs11norFIT
DJLEs22norFIT<-ugarchfit(spec=DJLEs22nor.data=datDJLEretINSA DJLEs22norFIT
DJLEs12norFIT<-ugarchfit(spec=DJLEs12nor.data=datDJLEretINSA DJLEs12norFIT
DJLEs21norFIT<-ugarchfit(spec=DJLEs21nor.data=datDJLEretINSA DJLEs21norFIT
DJLEe11norFIT<-ugarchfit(spec=DJLEe11nor.data=datDJLEretINSA DJLEe11norFIT
DJLEe22norFIT<-ugarchfit(spec=DJLEe22nor.data=datDJLEretINSA DJLEe22norFIT
DJLEe12norFIT<-ugarchfit(spec=DJLEe12nor.data=datDJLEretINSA DJLEe12norFIT
DJLEe21norFIT<-ugarchfit(spec=DJLEe21nor.data=datDJLEretINSA DJLEe21norFIT
DJLEg11norFIT<-ugarchfit(spec=DJLEg11nor.data=datDJLEretINSA DJLEg11norFIT
DJLEg22norFIT<-ugarchfit(spec=DJLEg22nor.data=datDJLEretINSA DJLEg22norFIT
DJLEg12norFIT<-ugarchfit(spec=DJLEg12nor.data=datDJLEretINSA DJLEg12norFIT
DJLEe21norFIT<-ugarchfit(spec=DJLEe21nor.data=datDJLEretINSA DJLEg21norFIT
DJLEi11norFIT<-ugarchfit(spec=DJLEi11nor.data=datDJLEretINSA DJLEi11norFIT
DJLEi22norFIT<-ugarchfit(spec=DJLEi22nor.data=datDJLEretINSA DJLEi22norFIT
DJLEi12norFIT<-ugarchfit(spec=DJLEi12nor.data=datDJLEretINSA DJLEi12norFIT
DJLEi21norFIT<-ugarchfit(spec=DJLEi21nor.data=datDJLEretINSA DJLEi21norFIT
DJLEc11norFIT<-ugarchfit(spec=DJLEc11nor.data=datDJLEretINSA DJLEc11norFIT
DJLEc22norFIT<-ugarchfit(spec=DJLEc22nor.data=datDJLEretINSA DJLEc22norFIT
DJLEc12norFIT<-ugarchfit(spec=DJLEc12nor.data=datDJLEretINSA DJLEc12norFIT
DJLEc21norFIT<-ugarchfit(spec=DJLEc21nor.data=datDJLEretINSA DJLEc21norFIT
```

##GoldFIT

```
DJGOs11gedFIT<-ugarchfit(spec=DJGOs11ged,data=datDJGOretINSA DJGOs11gedFIT
DJGOs22gedFIT<-ugarchfit(spec=DJGOs22ged,data=datDJGOretINSA DJGOs22gedFIT
DJGOs12gedFIT<-ugarchfit(spec=DJGOs12ged.data=datDJGOretINSA DJGOs12gedFIT
DJGOs21gedFIT<-ugarchfit(spec=DJGOs21ged.data=datDJGOretINSA DJGOs21gedFIT
DJGOe11gedFIT<-ugarchfit(spec=DJGOe11ged.data=datDJGOretINSA DJGOe11gedFIT
DJGOe22gedFIT<-ugarchfit(spec=DJGOe22ged.data=datDJGOretINSA DJGOe22gedFIT
DJGOe12gedFIT<-ugarchfit(spec=DJGOe12ged.data=datDJGOretINSA DJGOe12gedFIT
DJGOe21gedFIT<-ugarchfit(spec=DJGOe21ged.data=datDJGOretINSA DJGOe21gedFIT
DJGOe11gedFIT<-ugarchfit(spec=DJGOe11ged.data=datDJGOretINSA DJGOg11gedFIT
DJGOg22gedFIT<-ugarchfit(spec=DJGOg22ged,data=datDJGOretINSA DJGOg22gedFIT
DJGOg12gedFIT<-ugarchfit(spec=DJGOg12ged,data=datDJGOretINSA DJGOg12gedFIT
DJGOg21gedFIT<-ugarchfit(spec=DJGOg21ged,data=datDJGOretINSA DJGOg21gedFIT
DJGOi11gedFIT<-ugarchfit(spec=DJGOi11ged,data=datDJGOretINSA DJGOi11gedFIT
DJGOi22gedFIT<-ugarchfit(spec=DJGOi22ged,data=datDJGOretINSA DJGOi22gedFIT
DJGOi12gedFIT<-ugarchfit(spec=DJGOi12ged,data=datDJGOretINSA DJGOi12gedFIT
DJGOi21gedFIT<-ugarchfit(spec=DJGOi21ged,data=datDJGOretINSA DJGOi21gedFIT
DJGOc11gedFIT<-ugarchfit(spec=DJGOc11ged,data=datDJGOretINSA DJGOc11gedFIT
DJGOc22gedFIT<-ugarchfit(spec=DJGOc22ged,data=datDJGOretINSA DJGOc22gedFIT
DJGOc12gedFIT<-ugarchfit(spec=DJGOc12ged,data=datDJGOretINSA DJGOc12gedFIT
DJGOc21gedFIT<-ugarchfit(spec=DJGOc21ged,data=datDJGOretINSA DJGOc21gedFIT

DJGOs11stdFIT<-ugarchfit(spec=DJGOs11std.data=datDJGOretINSA DJGOs11stdFIT
DJGOs22stdFIT<-ugarchfit(spec=DJGOs22std,data=datDJGOretINSA DJGOs22stdFIT
DJGOs12stdFIT<-ugarchfit(spec=DJGOs12std,data=datDJGOretINSA DJGOs12stdFIT
DJGOs21stdFIT<-ugarchfit(spec=DJGOs21std,data=datDJGOretINSA DJGOs21stdFIT
DJGOe11stdFIT<-ugarchfit(spec=DJGOe11std,data=datDJGOretINSA DJGOe11stdFIT
DJGOe22stdFIT<-ugarchfit(spec=DJGOe22std,data=datDJGOretINSA DJGOe22stdFIT
DJGOe12stdFIT<-ugarchfit(spec=DJGOe12std,data=datDJGOretINSA DJGOe12stdFIT
DJGOe21stdFIT<-ugarchfit(spec=DJGOe21std,data=datDJGOretINSA DJGOe21stdFIT
DJGOe11stdFIT<-ugarchfit(spec=DJGOe11std.data=datDJGOretINSA DJGOg11stdFIT
DJGOe22stdFIT<-ugarchfit(spec=DJGOe22std.data=datDJGOretINSA DJGOg22stdFIT
DJGOe12stdFIT<-ugarchfit(spec=DJGOe12std.data=datDJGOretINSA DJGOg12stdFIT
DJGOe21stdFIT<-ugarchfit(spec=DJGOe21std.data=datDJGOretINSA DJGOg21stdFIT
DJGOi11stdFIT<-ugarchfit(spec=DJGOi11std.data=datDJGOretINSA DJGOi11stdFIT
DJGOi22stdFIT<-ugarchfit(spec=DJGOi22std.data=datDJGOretINSA DJGOi22stdFIT
DJGOi12stdFIT<-ugarchfit(spec=DJGOi12std.data=datDJGOretINSA DJGOi12stdFIT
DJGOi21stdFIT<-ugarchfit(spec=DJGOi21std.data=datDJGOretINSA DJGOi21stdFIT
DJGOc11stdFIT<-ugarchfit(spec=DJGOc11std,data=datDJGOretINSA DJGOc11stdFIT
DJGOc22stdFIT<-ugarchfit(spec=DJGOc22std,data=datDJGOretINSA DJGOc22stdFIT
DJGOc12stdFIT<-ugarchfit(spec=DJGOc12std,data=datDJGOretINSA DJGOc12stdFIT
DJGOc21stdFIT<-ugarchfit(spec=DJGOc21std,data=datDJGOretINSA DJGOc21stdFIT

DJGOs11norFIT<-ugarchfit(spec=DJGOs11nor.data=datDJGOretINSA DJGOs11norFIT
DJGOs22norFIT<-ugarchfit(spec=DJGOs22nor.data=datDJGOretINSA DJGOs22norFIT
DJGOs12norFIT<-ugarchfit(spec=DJGOs12nor.data=datDJGOretINSA DJGOs12norFIT
DJGOs21norFIT<-ugarchfit(spec=DJGOs21nor.data=datDJGOretINSA DJGOs21norFIT
DJGOe11norFIT<-ugarchfit(spec=DJGOe11nor.data=datDJGOretINSA DJGOe11norFIT
DJGOe22norFIT<-ugarchfit(spec=DJGOe22nor.data=datDJGOretINSA DJGOe22norFIT
DJGOe12norFIT<-ugarchfit(spec=DJGOe12nor.data=datDJGOretINSA DJGOe12norFIT
DJGOe21norFIT<-ugarchfit(spec=DJGOe21nor.data=datDJGOretINSA DJGOe21norFIT
DJGOg11norFIT<-ugarchfit(spec=DJGOg11nor.data=datDJGOretINSA DJGOg11norFIT
DJGOg22norFIT<-ugarchfit(spec=DJGOg22nor.data=datDJGOretINSA DJGOg22norFIT
DJGOg12norFIT<-ugarchfit(spec=DJGOg12nor.data=datDJGOretINSA DJGOg12norFIT
DJGOg21norFIT<-ugarchfit(spec=DJGOg21nor.data=datDJGOretINSA DJGOg21norFIT
DJGOi11norFIT<-ugarchfit(spec=DJGOi11nor.data=datDJGOretINSA DJGOi11norFIT
DJGOi22norFIT<-ugarchfit(spec=DJGOi22nor.data=datDJGOretINSA DJGOi22norFIT
DJGOi12norFIT<-ugarchfit(spec=DJGOi12nor.data=datDJGOretINSA DJGOi12norFIT
DJGOi21norFIT<-ugarchfit(spec=DJGOi21nor.data=datDJGOretINSA DJGOi21norFIT
DJGOc11norFIT<-ugarchfit(spec=DJGOc11nor.data=datDJGOretINSA DJGOc11norFIT
DJGOc22norFIT<-ugarchfit(spec=DJGOc22nor.data=datDJGOretINSA DJGOc22norFIT
DJGOc12norFIT<-ugarchfit(spec=DJGOc12nor.data=datDJGOretINSA DJGOc12norFIT
DJGOc21norFIT<-ugarchfit(spec=DJGOc21nor.data=datDJGOretINSA DJGOc21norFIT
```

##NickelFIT

```
DJNIs11gedFIT<-ugarchfit(spec=DJNIs11ged,data=datDJNIretINSA DJNIs11gedFIT
DJNIs22gedFIT<-ugarchfit(spec=DJNIs22ged,data=datDJNIretINSA DJNIs22gedFIT
DJNIs12gedFIT<-ugarchfit(spec=DJNIs12ged,data=datDJNIretINSA DJNIs12gedFIT
DJNIs21gedFIT<-ugarchfit(spec=DJNIs21ged,data=datDJNIretINSA DJNIs21gedFIT
DJNIe11gedFIT<-ugarchfit(spec=DJNIe11ged.data=datDJNIretINSA DJNIe11gedFIT
DJNIe22gedFIT<-ugarchfit(spec=DJNIe22ged.data=datDJNIretINSA DJNIe22gedFIT
DJNIe12gedFIT<-ugarchfit(spec=DJNIe12ged.data=datDJNIretINSA DJNIe12gedFIT
DJNIe21gedFIT<-ugarchfit(spec=DJNIe21ged.data=datDJNIretINSA DJNIe21gedFIT
DJNIe11gedFIT<-ugarchfit(spec=DJNIe11ged.data=datDJNIretINSA DJNIg11gedFIT
DJNIe22gedFIT<-ugarchfit(spec=DJNIe22ged.data=datDJNIretINSA DJNIg22gedFIT
DJNIg12gedFIT<-ugarchfit(spec=DJNIg12ged,data=datDJNIretINSA DJNIg12gedFIT
DJNIg21gedFIT<-ugarchfit(spec=DJNIg21ged,data=datDJNIretINSA DJNIg21gedFIT
DJNIi11gedFIT<-ugarchfit(spec=DJNIi11ged,data=datDJNIretINSA DJNIi11gedFIT
DJNIi22gedFIT<-ugarchfit(spec=DJNIi22ged,data=datDJNIretINSA DJNIi22gedFIT
DJNIi12gedFIT<-ugarchfit(spec=DJNIi12ged,data=datDJNIretINSA DJNIi12gedFIT
DJNIi21gedFIT<-ugarchfit(spec=DJNIi21ged,data=datDJNIretINSA DJNIi21gedFIT
DJNIc11gedFIT<-ugarchfit(spec=DJNIc11ged,data=datDJNIretINSA DJNIc11gedFIT
DJNIc22gedFIT<-ugarchfit(spec=DJNIc22ged,data=datDJNIretINSA DJNIc22gedFIT
DJNIc12gedFIT<-ugarchfit(spec=DJNIc12ged,data=datDJNIretINSA DJNIc12gedFIT
DJNIc21gedFIT<-ugarchfit(spec=DJNIc21ged,data=datDJNIretINSA DJNIc21gedFIT

DJNIs11stdFIT<-ugarchfit(spec=DJNIs11std.data=datDJNIretINSA DJNIs11stdFIT
DJNIs22stdFIT<-ugarchfit(spec=DJNIs22std,data=datDJNIretINSA DJNIs22stdFIT
DJNIs12stdFIT<-ugarchfit(spec=DJNIs12std,data=datDJNIretINSA DJNIs12stdFIT
DJNIs21stdFIT<-ugarchfit(spec=DJNIs21std,data=datDJNIretINSA DJNIs21stdFIT
DJNIe11stdFIT<-ugarchfit(spec=DJNIe11std,data=datDJNIretINSA DJNIe11stdFIT
DJNIe22stdFIT<-ugarchfit(spec=DJNIe22std,data=datDJNIretINSA DJNIe22stdFIT
DJNIe12stdFIT<-ugarchfit(spec=DJNIe12std,data=datDJNIretINSA DJNIe12stdFIT
DJNIe21stdFIT<-ugarchfit(spec=DJNIe21std,data=datDJNIretINSA DJNIe21stdFIT
DJNIg11stdFIT<-ugarchfit(spec=DJNIg11std,data=datDJNIretINSA DJNIg11stdFIT
DJNIe22stdFIT<-ugarchfit(spec=DJNIe22std,data=datDJNIretINSA DJNIg22stdFIT
DJNIe12stdFIT<-ugarchfit(spec=DJNIe12std.data=datDJNIretINSA DJNIg12stdFIT
DJNIe21stdFIT<-ugarchfit(spec=DJNIe21std.data=datDJNIretINSA DJNIg21stdFIT
DJNIi11stdFIT<-ugarchfit(spec=DJNIi11std.data=datDJNIretINSA DJNIi11stdFIT
DJNIi22stdFIT<-ugarchfit(spec=DJNIi22std.data=datDJNIretINSA DJNIi22stdFIT
DJNIi12stdFIT<-ugarchfit(spec=DJNIi12std.data=datDJNIretINSA DJNIi12stdFIT
DJNIi21stdFIT<-ugarchfit(spec=DJNIi21std.data=datDJNIretINSA DJNIi21stdFIT
DJNIc11stdFIT<-ugarchfit(spec=DJNIc11std,data=datDJNIretINSA DJNIc11stdFIT
DJNIc22stdFIT<-ugarchfit(spec=DJNIc22std,data=datDJNIretINSA DJNIc22stdFIT
DJNIc12stdFIT<-ugarchfit(spec=DJNIc12std,data=datDJNIretINSA DJNIc12stdFIT
DJNIc21stdFIT<-ugarchfit(spec=DJNIc21std,data=datDJNIretINSA DJNIc21stdFIT

DJNIs11norFIT<-ugarchfit(spec=DJNIs11nor.data=datDJNIretINSA DJNIs11norFIT
DJNIs22norFIT<-ugarchfit(spec=DJNIs22nor.data=datDJNIretINSA DJNIs22norFIT
DJNIs12norFIT<-ugarchfit(spec=DJNIs12nor.data=datDJNIretINSA DJNIs12norFIT
DJNIs21norFIT<-ugarchfit(spec=DJNIs21nor.data=datDJNIretINSA DJNIs21norFIT
DJNIe11norFIT<-ugarchfit(spec=DJNIe11nor.data=datDJNIretINSA DJNIe11norFIT
DJNIe22norFIT<-ugarchfit(spec=DJNIe22nor.data=datDJNIretINSA DJNIe22norFIT
DJNIe12norFIT<-ugarchfit(spec=DJNIe12nor.data=datDJNIretINSA DJNIe12norFIT
DJNIe21norFIT<-ugarchfit(spec=DJNIe21nor.data=datDJNIretINSA DJNIe21norFIT
DJNIg11norFIT<-ugarchfit(spec=DJNIg11nor.data=datDJNIretINSA DJNIg11norFIT
DJNIg22norFIT<-ugarchfit(spec=DJNIg22nor.data=datDJNIretINSA DJNIg22norFIT
DJNIg12norFIT<-ugarchfit(spec=DJNIg12nor.data=datDJNIretINSA DJNIg12norFIT
DJNIg21norFIT<-ugarchfit(spec=DJNIg21nor.data=datDJNIretINSA DJNIg21norFIT
DJNIi11norFIT<-ugarchfit(spec=DJNIi11nor.data=datDJNIretINSA DJNIi11norFIT
DJNIi22norFIT<-ugarchfit(spec=DJNIi22nor.data=datDJNIretINSA DJNIi22norFIT
DJNIi12norFIT<-ugarchfit(spec=DJNIi12nor.data=datDJNIretINSA DJNIi12norFIT
DJNIi21norFIT<-ugarchfit(spec=DJNIi21nor.data=datDJNIretINSA DJNIi21norFIT
DJNIc11norFIT<-ugarchfit(spec=DJNIc11nor.data=datDJNIretINSA DJNIc11norFIT
DJNIc22norFIT<-ugarchfit(spec=DJNIc22nor.data=datDJNIretINSA DJNIc22norFIT
DJNIc12norFIT<-ugarchfit(spec=DJNIc12nor.data=datDJNIretINSA DJNIc12norFIT
DJNIc21norFIT<-ugarchfit(spec=DJNIc21nor.data=datDJNIretINSA DJNIc21norFIT
```

##SilverFIT

```
DJSIs11gedFIT<-ugarchfit(spec=DJSIs11ged,data=datDJSIretINSA DJSIs11gedFIT
DJSIs22gedFIT<-ugarchfit(spec=DJSIs22ged,data=datDJSIretINSA DJSIs22gedFIT
DJSIs12gedFIT<-ugarchfit(spec=DJSIs12ged,data=datDJSIretINSA DJSIs12gedFIT
DJSIs21gedFIT<-ugarchfit(spec=DJSIs21ged,data=datDJSIretINSA DJSIs21gedFIT
DJSIe11gedFIT<-ugarchfit(spec=DJSIe11ged,data=datDJSIretINSA DJSIe11gedFIT
DJSIe22gedFIT<-ugarchfit(spec=DJSIe22ged.data=datDJSIretINSA DJSIe22gedFIT
DJSIe12gedFIT<-ugarchfit(spec=DJSIe12ged.data=datDJSIretINSA DJSIe12gedFIT
DJSIe21gedFIT<-ugarchfit(spec=DJSIe21ged.data=datDJSIretINSA DJSIe21gedFIT
DJSIe11gedFIT<-ugarchfit(spec=DJSIe11ged.data=datDJSIretINSA DJSIg11gedFIT
DJSIe22gedFIT<-ugarchfit(spec=DJSIe22ged.data=datDJSIretINSA DJSIg22gedFIT
DJSIe12gedFIT<-ugarchfit(spec=DJSIe12ged.data=datDJSIretINSA DJSIg12gedFIT
DJSIe21gedFIT<-ugarchfit(spec=DJSIe21ged.data=datDJSIretINSA DJSIg21gedFIT
DJSIi11gedFIT<-ugarchfit(spec=DJSIi11ged,data=datDJSIretINSA DJSIi11gedFIT
DJSIi12gedFIT<-ugarchfit(spec=DJSIi12ged,data=datDJSIretINSA DJSIi12gedFIT
DJSIi22gedFIT<-ugarchfit(spec=DJSIi22ged,data=datDJSIretINSA DJSIi22gedFIT
DJSIi21gedFIT<-ugarchfit(spec=DJSIi21ged,data=datDJSIretINSA DJSIi21gedFIT
DJSIc11gedFIT<-ugarchfit(spec=DJSIc11ged,data=datDJSIretINSA DJSIc11gedFIT
DJSIc22gedFIT<-ugarchfit(spec=DJSIc22ged,data=datDJSIretINSA DJSIc22gedFIT
DJSIc12gedFIT<-ugarchfit(spec=DJSIc12ged,data=datDJSIretINSA DJSIc12gedFIT
DJSIc21gedFIT<-ugarchfit(spec=DJSIc21ged.data=datDJSIretINSA DJSIc21gedFIT

DJSIs11stdFIT<-ugarchfit(spec=DJSIs11std.data=datDJSIretINSA DJSIs11stdFIT
DJSIs22stdFIT<-ugarchfit(spec=DJSIs22std.data=datDJSIretINSA DJSIs22stdFIT
DJSIs12stdFIT<-ugarchfit(spec=DJSIs12std.data=datDJSIretINSA DJSIs12stdFIT
DJSIs21stdFIT<-ugarchfit(spec=DJSIs21std.data=datDJSIretINSA DJSIs21stdFIT
DJSIe11stdFIT<-ugarchfit(spec=DJSIe11std.data=datDJSIretINSA DJSIe11stdFIT
DJSIe22stdFIT<-ugarchfit(spec=DJSIe22std.data=datDJSIretINSA DJSIe22stdFIT
DJSIe12stdFIT<-ugarchfit(spec=DJSIe12std.data=datDJSIretINSA DJSIe12stdFIT
DJSIe21stdFIT<-ugarchfit(spec=DJSIe21std.data=datDJSIretINSA DJSIe21stdFIT
DJSIg11stdFIT<-ugarchfit(spec=DJSIg11std.data=datDJSIretINSA DJSIg11stdFIT
DJSIg22stdFIT<-ugarchfit(spec=DJSIg22std.data=datDJSIretINSA DJSIg22stdFIT
DJSIg12stdFIT<-ugarchfit(spec=DJSIg12std.data=datDJSIretINSA DJSIg12stdFIT
DJSIe21stdFIT<-ugarchfit(spec=DJSIe21std.data=datDJSIretINSA DJSIg21stdFIT
DJSIi11stdFIT<-ugarchfit(spec=DJSIi11std.data=datDJSIretINSA DJSIi11stdFIT
DJSIi22stdFIT<-ugarchfit(spec=DJSIi22std.data=datDJSIretINSA DJSIi22stdFIT
DJSIi12stdFIT<-ugarchfit(spec=DJSIi12std.data=datDJSIretINSA DJSIi12stdFIT
DJSIi21stdFIT<-ugarchfit(spec=DJSIi21std.data=datDJSIretINSA DJSIi21stdFIT
DJSIc11stdFIT<-ugarchfit(spec=DJSIc11std.data=datDJSIretINSA DJSIc11stdFIT
DJSIc22stdFIT<-ugarchfit(spec=DJSIc22std.data=datDJSIretINSA DJSIc22stdFIT
DJSIc12stdFIT<-ugarchfit(spec=DJSIc12std,data=datDJSIretINSA DJSIc12stdFIT
DJSIc21stdFIT<-ugarchfit(spec=DJSIc21std,data=datDJSIretINSA DJSIc21stdFIT
```

```
DJSIs11norFIT<-ugarchfit(spec=DJSIs11nor,data=datDJSIretINSA DJSIs11norFIT
DJSIs22norFIT<-ugarchfit(spec=DJSIs22nor,data=datDJSIretINSA DJSIs22norFIT
DJSIs12norFIT<-ugarchfit(spec=DJSIs12nor,data=datDJSIretINSA DJSIs12norFIT
DJSIs21norFIT<-ugarchfit(spec=DJSIs21nor,data=datDJSIretINSA DJSIs21norFIT
DJSIe11norFIT<-ugarchfit(spec=DJSIe11nor,data=datDJSIretINSA DJSIe11norFIT
DJSIe22norFIT<-ugarchfit(spec=DJSIe22nor,data=datDJSIretINSA DJSIe22norFIT
DJSIe12norFIT<-ugarchfit(spec=DJSIe12nor,data=datDJSIretINSA DJSIe12norFIT
DJSIe21norFIT<-ugarchfit(spec=DJSIe21nor,data=datDJSIretINSA DJSIe21norFIT
DJSIg11norFIT<-ugarchfit(spec=DJSIg11nor,data=datDJSIretINSA DJSIg11norFIT
DJSIg22norFIT<-ugarchfit(spec=DJSIg22nor,data=datDJSIretINSA DJSIg22norFIT
DJSIg12norFIT<-ugarchfit(spec=DJSIg12nor,data=datDJSIretINSA DJSIg12norFIT
DJSIg21norFIT<-ugarchfit(spec=DJSIg21nor,data=datDJSIretINSA DJSIg21norFIT
DJSIi11norFIT<-ugarchfit(spec=DJSIi11nor,data=datDJSIretINSA DJSIi11norFIT
DJSIi22norFIT<-ugarchfit(spec=DJSIi22nor,data=datDJSIretINSA DJSIi22norFIT
DJSIi12norFIT<-ugarchfit(spec=DJSIi12nor,data=datDJSIretINSA DJSIi12norFIT
DJSIi21norFIT<-ugarchfit(spec=DJSIi21nor,data=datDJSIretINSA DJSIi21norFIT
DJSIc11norFIT<-ugarchfit(spec=DJSIc11nor,data=datDJSIretINSA DJSIc11norFIT
DJSIc22norFIT<-ugarchfit(spec=DJSIc22nor,data=datDJSIretINSA DJSIc22norFIT
DJSIc12norFIT<-ugarchfit(spec=DJSIc12nor,data=datDJSIretINSA DJSIc12norFIT
DJSIc21norFIT<-ugarchfit(spec=DJSIc21nor,data=datDJSIretINSA DJSIc21norFIT
```

##SugarFIT

```
DJSUs11gedFIT<-ugarchfit(spec=DJSUs11ged,data=datDJSUretINSA DJSUs11gedFIT
DJSUs22gedFIT<-ugarchfit(spec=DJSUs22ged,data=datDJSUretINSA DJSUs22gedFIT
DJSUs12gedFIT<-ugarchfit(spec=DJSUs12ged,data=datDJSUretINSA DJSUs12gedFIT
DJSUs21gedFIT<-ugarchfit(spec=DJSUs21ged,data=datDJSUretINSA DJSUs21gedFIT
DJSUe11gedFIT<-ugarchfit(spec=DJSUe11ged,data=datDJSUretINSA DJSUe11gedFIT
DJSUe22gedFIT<-ugarchfit(spec=DJSUe22ged,data=datDJSUretINSA DJSUe22gedFIT
DJSUe12gedFIT<-ugarchfit(spec=DJSUe12ged,data=datDJSUretINSA DJSUe12gedFIT
DJSUe21gedFIT<-ugarchfit(spec=DJSUe21ged,data=datDJSUretINSA DJSUe21gedFIT
DJSUg11gedFIT<-ugarchfit(spec=DJSUg11ged,data=datDJSUretINSA DJSUg11gedFIT
DJSUg22gedFIT<-ugarchfit(spec=DJSUg22ged,data=datDJSUretINSA DJSUg22gedFIT
DJSUg12gedFIT<-ugarchfit(spec=DJSUg12ged,data=datDJSUretINSA DJSUg12gedFIT
DJSUg21gedFIT<-ugarchfit(spec=DJSUg21ged,data=datDJSUretINSA DJSUg21gedFIT
DJSUi11gedFIT<-ugarchfit(spec=DJSUi11ged,data=datDJSUretINSA DJSUi11gedFIT
DJSUi22gedFIT<-ugarchfit(spec=DJSUi22ged,data=datDJSUretINSA DJSUi22gedFIT
DJSUi12gedFIT<-ugarchfit(spec=DJSUi12ged,data=datDJSUretINSA DJSUi12gedFIT
DJSUi21gedFIT<-ugarchfit(spec=DJSUi21ged,data=datDJSUretINSA DJSUi21gedFIT
DJSUc11gedFIT<-ugarchfit(spec=DJSUc11ged,data=datDJSUretINSA DJSUc11gedFIT
DJSUc22gedFIT<-ugarchfit(spec=DJSUc22ged,data=datDJSUretINSA DJSUc22gedFIT
DJSUc12gedFIT<-ugarchfit(spec=DJSUc12ged,data=datDJSUretINSA DJSUc12gedFIT
DJSUc21gedFIT<-ugarchfit(spec=DJSUc21ged,data=datDJSUretINSA DJSUc21gedFIT

DJSUs11stdFIT<-ugarchfit(spec=DJSUs11std,data=datDJSUretINSA DJSUs11stdFIT
DJSUs22stdFIT<-ugarchfit(spec=DJSUs22std,data=datDJSUretINSA DJSUs22stdFIT
DJSUs12stdFIT<-ugarchfit(spec=DJSUs12std,data=datDJSUretINSA DJSUs12stdFIT
DJSUs21stdFIT<-ugarchfit(spec=DJSUs21std,data=datDJSUretINSA DJSUs21stdFIT
DJSUe11stdFIT<-ugarchfit(spec=DJSUe11std,data=datDJSUretINSA DJSUe11stdFIT
DJSUe22stdFIT<-ugarchfit(spec=DJSUe22std,data=datDJSUretINSA DJSUe22stdFIT
DJSUe12stdFIT<-ugarchfit(spec=DJSUe12std,data=datDJSUretINSA DJSUe12stdFIT
DJSUe21stdFIT<-ugarchfit(spec=DJSUe21std,data=datDJSUretINSA DJSUe21stdFIT
DJSUg11stdFIT<-ugarchfit(spec=DJSUg11std,data=datDJSUretINSA DJSUg11stdFIT
DJSUg22stdFIT<-ugarchfit(spec=DJSUg22std,data=datDJSUretINSA DJSUg22stdFIT
DJSUg12stdFIT<-ugarchfit(spec=DJSUg12std,data=datDJSUretINSA DJSUg12stdFIT
DJSUg21stdFIT<-ugarchfit(spec=DJSUg21std,data=datDJSUretINSA DJSUg21stdFIT
DJSUi11stdFIT<-ugarchfit(spec=DJSUi11std,data=datDJSUretINSA DJSUi11stdFIT
DJSUi22stdFIT<-ugarchfit(spec=DJSUi22std,data=datDJSUretINSA DJSUi22stdFIT
DJSUi12stdFIT<-ugarchfit(spec=DJSUi12std,data=datDJSUretINSA DJSUi12stdFIT
DJSUi21stdFIT<-ugarchfit(spec=DJSUi21std,data=datDJSUretINSA DJSUi21stdFIT
DJSUc11stdFIT<-ugarchfit(spec=DJSUc11std,data=datDJSUretINSA DJSUc11stdFIT
DJSUc22stdFIT<-ugarchfit(spec=DJSUc22std,data=datDJSUretINSA DJSUc22stdFIT
DJSUc12stdFIT<-ugarchfit(spec=DJSUc12std,data=datDJSUretINSA DJSUc12stdFIT
DJSUc21stdFIT<-ugarchfit(spec=DJSUc21std,data=datDJSUretINSA DJSUc21stdFIT

DJSUs11norFIT<-ugarchfit(spec=DJSUs11nor,data=datDJSUretINSA DJSUs11norFIT
DJSUs22norFIT<-ugarchfit(spec=DJSUs22nor,data=datDJSUretINSA DJSUs22norFIT
DJSUs12norFIT<-ugarchfit(spec=DJSUs12nor,data=datDJSUretINSA DJSUs12norFIT
DJSUs21norFIT<-ugarchfit(spec=DJSUs21nor,data=datDJSUretINSA DJSUs21norFIT
DJSUe11norFIT<-ugarchfit(spec=DJSUe11nor,data=datDJSUretINSA DJSUe11norFIT
DJSUe22norFIT<-ugarchfit(spec=DJSUe22nor,data=datDJSUretINSA DJSUe22norFIT
DJSUe12norFIT<-ugarchfit(spec=DJSUe12nor,data=datDJSUretINSA DJSUe12norFIT
DJSUe21norFIT<-ugarchfit(spec=DJSUe21nor,data=datDJSUretINSA DJSUe21norFIT
DJSUg11norFIT<-ugarchfit(spec=DJSUg11nor,data=datDJSUretINSA DJSUg11norFIT
DJSUg22norFIT<-ugarchfit(spec=DJSUg22nor,data=datDJSUretINSA DJSUg22norFIT
DJSUg12norFIT<-ugarchfit(spec=DJSUg12nor,data=datDJSUretINSA DJSUg12norFIT
DJSUg21norFIT<-ugarchfit(spec=DJSUg21nor,data=datDJSUretINSA DJSUg21norFIT
DJSUi11norFIT<-ugarchfit(spec=DJSUi11nor,data=datDJSUretINSA DJSUi11norFIT
DJSUi22norFIT<-ugarchfit(spec=DJSUi22nor,data=datDJSUretINSA DJSUi22norFIT
DJSUi12norFIT<-ugarchfit(spec=DJSUi12nor,data=datDJSUretINSA DJSUi12norFIT
DJSUi21norFIT<-ugarchfit(spec=DJSUi21nor,data=datDJSUretINSA DJSUi21norFIT
DJSUc11norFIT<-ugarchfit(spec=DJSUc11nor,data=datDJSUretINSA DJSUc11norFIT
DJSUc22norFIT<-ugarchfit(spec=DJSUc22nor,data=datDJSUretINSA DJSUc22norFIT
DJSUc12norFIT<-ugarchfit(spec=DJSUc12nor,data=datDJSUretINSA DJSUc12norFIT
DJSUc21norFIT<-ugarchfit(spec=DJSUc21nor,data=datDJSUretINSA DJSUc21norFIT
```

##WheatFIT

```
DJWEs11gedFIT<-ugarchfit(spec=DJWEs11ged,data=datDJWEretINSA DJWEs11gedFIT
DJWEs22gedFIT<-ugarchfit(spec=DJWEs22ged,data=datDJWEretINSA DJWEs22gedFIT
DJWEs12gedFIT<-ugarchfit(spec=DJWEs12ged,data=datDJWEretINSA DJWEs12gedFIT
DJWEs21gedFIT<-ugarchfit(spec=DJWEs21ged,data=datDJWEretINSA DJWEs21gedFIT
DJWEe11gedFIT<-ugarchfit(spec=DJWEe11ged,data=datDJWEretINSA DJWEe11gedFIT
DJWEe22gedFIT<-ugarchfit(spec=DJWEe22ged,data=datDJWEretINSA DJWEe22gedFIT
DJWEe12gedFIT<-ugarchfit(spec=DJWEe12ged,data=datDJWEretINSA DJWEe12gedFIT
DJWEe21gedFIT<-ugarchfit(spec=DJWEe21ged,data=datDJWEretINSA DJWEe21gedFIT
DJWEg11gedFIT<-ugarchfit(spec=DJWEg11ged,data=datDJWEretINSA DJWEg11gedFIT
DJWEg22gedFIT<-ugarchfit(spec=DJWEg22ged,data=datDJWEretINSA DJWEg22gedFIT
DJWEg12gedFIT<-ugarchfit(spec=DJWEg12ged,data=datDJWEretINSA DJWEg12gedFIT
DJWEg21gedFIT<-ugarchfit(spec=DJWEg21ged,data=datDJWEretINSA DJWEg21gedFIT
DJWEi11gedFIT<-ugarchfit(spec=DJWEi11ged,data=datDJWEretINSA DJWEi11gedFIT
DJWEi22gedFIT<-ugarchfit(spec=DJWEi22ged,data=datDJWEretINSA DJWEi22gedFIT
DJWEi12gedFIT<-ugarchfit(spec=DJWEi12ged,data=datDJWEretINSA DJWEi12gedFIT
DJWEi21gedFIT<-ugarchfit(spec=DJWEi21ged,data=datDJWEretINSA DJWEi21gedFIT
DJWEc11gedFIT<-ugarchfit(spec=DJWEc11ged,data=datDJWEretINSA DJWEc11gedFIT
DJWEc22gedFIT<-ugarchfit(spec=DJWEc22ged,data=datDJWEretINSA DJWEc22gedFIT
DJWEc12gedFIT<-ugarchfit(spec=DJWEc12ged,data=datDJWEretINSA DJWEc12gedFIT
DJWEc21gedFIT<-ugarchfit(spec=DJWEc21ged,data=datDJWEretINSA DJWEc21gedFIT

DJWEs11stdFIT<-ugarchfit(spec=DJWEs11std,data=datDJWEretINSA DJWEs11stdFIT
DJWEs22stdFIT<-ugarchfit(spec=DJWEs22std,data=datDJWEretINSA DJWEs22stdFIT
DJWEs12stdFIT<-ugarchfit(spec=DJWEs12std,data=datDJWEretINSA DJWEs12stdFIT
DJWEs21stdFIT<-ugarchfit(spec=DJWEs21std,data=datDJWEretINSA DJWEs21stdFIT
DJWEe11stdFIT<-ugarchfit(spec=DJWEe11std,data=datDJWEretINSA DJWEe11stdFIT
DJWEe22stdFIT<-ugarchfit(spec=DJWEe22std,data=datDJWEretINSA DJWEe22stdFIT
DJWEe12stdFIT<-ugarchfit(spec=DJWEe12std,data=datDJWEretINSA DJWEe12stdFIT
DJWEe21stdFIT<-ugarchfit(spec=DJWEe21std,data=datDJWEretINSA DJWEe21stdFIT
DJWEg11stdFIT<-ugarchfit(spec=DJWEg11std,data=datDJWEretINSA DJWEg11stdFIT
DJWEg22stdFIT<-ugarchfit(spec=DJWEg22std,data=datDJWEretINSA DJWEg22stdFIT
DJWEg12stdFIT<-ugarchfit(spec=DJWEg12std,data=datDJWEretINSA DJWEg12stdFIT
DJWEg21stdFIT<-ugarchfit(spec=DJWEg21std,data=datDJWEretINSA DJWEg21stdFIT
DJWEi11stdFIT<-ugarchfit(spec=DJWEi11std,data=datDJWEretINSA DJWEi11stdFIT
DJWEi22stdFIT<-ugarchfit(spec=DJWEi22std,data=datDJWEretINSA DJWEi22stdFIT
DJWEi12stdFIT<-ugarchfit(spec=DJWEi12std,data=datDJWEretINSA DJWEi12stdFIT
DJWEi21stdFIT<-ugarchfit(spec=DJWEi21std,data=datDJWEretINSA DJWEi21stdFIT
DJWEc11stdFIT<-ugarchfit(spec=DJWEc11std,data=datDJWEretINSA DJWEc11stdFIT
DJWEc22stdFIT<-ugarchfit(spec=DJWEc22std,data=datDJWEretINSA DJWEc22stdFIT
DJWEc12stdFIT<-ugarchfit(spec=DJWEc12std,data=datDJWEretINSA DJWEc12stdFIT
DJWEc21stdFIT<-ugarchfit(spec=DJWEc21std,data=datDJWEretINSA DJWEc21stdFIT

DJWEs11norFIT<-ugarchfit(spec=DJWEs11nor,data=datDJWEretINSA DJWEs11norFIT
DJWEs22norFIT<-ugarchfit(spec=DJWEs22nor,data=datDJWEretINSA DJWEs22norFIT
DJWEs12norFIT<-ugarchfit(spec=DJWEs12nor,data=datDJWEretINSA DJWEs12norFIT
DJWEs21norFIT<-ugarchfit(spec=DJWEs21nor,data=datDJWEretINSA DJWEs21norFIT
DJWEe11norFIT<-ugarchfit(spec=DJWEe11nor,data=datDJWEretINSA DJWEe11norFIT
DJWEe22norFIT<-ugarchfit(spec=DJWEe22nor,data=datDJWEretINSA DJWEe22norFIT
DJWEe12norFIT<-ugarchfit(spec=DJWEe12nor,data=datDJWEretINSA DJWEe12norFIT
DJWEe21norFIT<-ugarchfit(spec=DJWEe21nor,data=datDJWEretINSA DJWEe21norFIT
DJWEg11norFIT<-ugarchfit(spec=DJWEg11nor,data=datDJWEretINSA DJWEg11norFIT
DJWEg22norFIT<-ugarchfit(spec=DJWEg22nor,data=datDJWEretINSA DJWEg22norFIT
DJWEg12norFIT<-ugarchfit(spec=DJWEg12nor,data=datDJWEretINSA DJWEg12norFIT
DJWEg21norFIT<-ugarchfit(spec=DJWEg21nor,data=datDJWEretINSA DJWEg21norFIT
DJWEi11norFIT<-ugarchfit(spec=DJWEi11nor,data=datDJWEretINSA DJWEi11norFIT
DJWEi22norFIT<-ugarchfit(spec=DJWEi22nor,data=datDJWEretINSA DJWEi22norFIT
DJWEi12norFIT<-ugarchfit(spec=DJWEi12nor,data=datDJWEretINSA DJWEi12norFIT
DJWEi21norFIT<-ugarchfit(spec=DJWEi21nor,data=datDJWEretINSA DJWEi21norFIT
DJWEc11norFIT<-ugarchfit(spec=DJWEc11nor,data=datDJWEretINSA DJWEc11norFIT
DJWEc22norFIT<-ugarchfit(spec=DJWEc22nor,data=datDJWEretINSA DJWEc22norFIT
DJWEc12norFIT<-ugarchfit(spec=DJWEc12nor,data=datDJWEretINSA DJWEc12norFIT
DJWEc21norFIT<-ugarchfit(spec=DJWEc21nor,data=datDJWEretINSA DJWEc21norFIT
```

##ZincFIT

```
DJZIs11gedFIT<-ugarchfit(spec=DJZIs11ged,data=datDJZIretINSA DJZIs11gedFIT
DJZIs22gedFIT<-ugarchfit(spec=DJZIs22ged,data=datDJZIretINSA DJZIs22gedFIT
DJZIs12gedFIT<-ugarchfit(spec=DJZIs12ged,data=datDJZIretINSA DJZIs12gedFIT
DJZIs21gedFIT<-ugarchfit(spec=DJZIs21ged,data=datDJZIretINSA DJZIs21gedFIT
DJZIe11gedFIT<-ugarchfit(spec=DJZIe11ged,data=datDJZIretINSA DJZIe11gedFIT
DJZIe22gedFIT<-ugarchfit(spec=DJZIe22ged,data=datDJZIretINSA DJZIe22gedFIT
DJZIe12gedFIT<-ugarchfit(spec=DJZIe12ged,data=datDJZIretINSA DJZIe12gedFIT
DJZIe21gedFIT<-ugarchfit(spec=DJZIe21ged,data=datDJZIretINSA DJZIe21gedFIT
DJZIg11gedFIT<-ugarchfit(spec=DJZIg11ged,data=datDJZIretINSA DJZIg11gedFIT
DJZIg22gedFIT<-ugarchfit(spec=DJZIg22ged,data=datDJZIretINSA DJZIg22gedFIT
DJZIg12gedFIT<-ugarchfit(spec=DJZIg12ged,data=datDJZIretINSA DJZIg12gedFIT
DJZIg21gedFIT<-ugarchfit(spec=DJZIg21ged,data=datDJZIretINSA DJZIg21gedFIT
DJZIi11gedFIT<-ugarchfit(spec=DJZIi11ged,data=datDJZIretINSA DJZIi11gedFIT
DJZIi22gedFIT<-ugarchfit(spec=DJZIi22ged,data=datDJZIretINSA DJZIi22gedFIT
DJZIi12gedFIT<-ugarchfit(spec=DJZIi12ged,data=datDJZIretINSA DJZIi12gedFIT
DJZIi21gedFIT<-ugarchfit(spec=DJZIi21ged,data=datDJZIretINSA DJZIi21gedFIT
DJZIc11gedFIT<-ugarchfit(spec=DJZIc11ged,data=datDJZIretINSA DJZIc11gedFIT
DJZIc22gedFIT<-ugarchfit(spec=DJZIc22ged,data=datDJZIretINSA DJZIc22gedFIT
DJZIc12gedFIT<-ugarchfit(spec=DJZIc12ged,data=datDJZIretINSA DJZIc12gedFIT
DJZIc21gedFIT<-ugarchfit(spec=DJZIc21ged,data=datDJZIretINSA DJZIc21gedFIT

DJZIs11stdFIT<-ugarchfit(spec=DJZIs11std,data=datDJZIretINSA DJZIs11stdFIT
DJZIs22stdFIT<-ugarchfit(spec=DJZIs22std,data=datDJZIretINSA DJZIs22stdFIT
DJZIs12stdFIT<-ugarchfit(spec=DJZIs12std,data=datDJZIretINSA DJZIs12stdFIT
DJZIs21stdFIT<-ugarchfit(spec=DJZIs21std,data=datDJZIretINSA DJZIs21stdFIT
DJZIe11stdFIT<-ugarchfit(spec=DJZIe11std,data=datDJZIretINSA DJZIe11stdFIT
DJZIe22stdFIT<-ugarchfit(spec=DJZIe22std,data=datDJZIretINSA DJZIe22stdFIT
DJZIe12stdFIT<-ugarchfit(spec=DJZIe12std,data=datDJZIretINSA DJZIe12stdFIT
DJZIe21stdFIT<-ugarchfit(spec=DJZIe21std,data=datDJZIretINSA DJZIe21stdFIT
DJZIg11stdFIT<-ugarchfit(spec=DJZIg11std,data=datDJZIretINSA DJZIg11stdFIT
DJZIg22stdFIT<-ugarchfit(spec=DJZIg22std,data=datDJZIretINSA DJZIg22stdFIT
DJZIg12stdFIT<-ugarchfit(spec=DJZIg12std,data=datDJZIretINSA DJZIg12stdFIT
DJZIg21stdFIT<-ugarchfit(spec=DJZIg21std,data=datDJZIretINSA DJZIg21stdFIT
DJZIi11stdFIT<-ugarchfit(spec=DJZIi11std,data=datDJZIretINSA DJZIi11stdFIT
DJZIi22stdFIT<-ugarchfit(spec=DJZIi22std,data=datDJZIretINSA DJZIi22stdFIT
DJZIi12stdFIT<-ugarchfit(spec=DJZIi12std,data=datDJZIretINSA DJZIi12stdFIT
DJZIi21stdFIT<-ugarchfit(spec=DJZIi21std,data=datDJZIretINSA DJZIi21stdFIT
DJZIc11stdFIT<-ugarchfit(spec=DJZIc11std,data=datDJZIretINSA DJZIc11stdFIT
DJZIc22stdFIT<-ugarchfit(spec=DJZIc22std,data=datDJZIretINSA DJZIc22stdFIT
DJZIc12stdFIT<-ugarchfit(spec=DJZIc12std,data=datDJZIretINSA DJZIc12stdFIT
DJZIc21stdFIT<-ugarchfit(spec=DJZIc21std,data=datDJZIretINSA DJZIc21stdFIT

DJZIs11norFIT<-ugarchfit(spec=DJZIs11nor,data=datDJZIretINSA DJZIs11norFIT
DJZIs22norFIT<-ugarchfit(spec=DJZIs22nor,data=datDJZIretINSA DJZIs22norFIT
DJZIs12norFIT<-ugarchfit(spec=DJZIs12nor,data=datDJZIretINSA DJZIs12norFIT
```

```
DJZIs21norFIT<-ugarchfit(spec=DJZIs21nor,data=datDJZIretINSA DJZIs21norFIT
DJZIe11norFIT<-ugarchfit(spec=DJZIe11nor,data=datDJZIretINSA DJZIe11norFIT
DJZIe22norFIT<-ugarchfit(spec=DJZIe22nor,data=datDJZIretINSA DJZIe22norFIT
DJZIe12norFIT<-ugarchfit(spec=DJZIe12nor,data=datDJZIretINSA DJZIe12norFIT
DJZIe21norFIT<-ugarchfit(spec=DJZIe21nor,data=datDJZIretINSA DJZIe21norFIT
DJZIe11norFIT<-ugarchfit(spec=DJZIe11nor,data=datDJZIretINSA DJZIg11norFIT
DJZIe22norFIT<-ugarchfit(spec=DJZIe22nor,data=datDJZIretINSA DJZIg22norFIT
DJZIg12norFIT<-ugarchfit(spec=DJZIg12nor,data=datDJZIretINSA DJZIg12norFIT
DJZIg21norFIT<-ugarchfit(spec=DJZIg21nor,data=datDJZIretINSA DJZIg21norFIT
DJZIi11norFIT<-ugarchfit(spec=DJZIi11nor,data=datDJZIretINSA DJZIi11norFIT
DJZIi22norFIT<-ugarchfit(spec=DJZIi22nor,data=datDJZIretINSA DJZIi22norFIT
DJZIi12norFIT<-ugarchfit(spec=DJZIi12nor,data=datDJZIretINSA DJZIi12norFIT
DJZIi21norFIT<-ugarchfit(spec=DJZIi21nor,data=datDJZIretINSA DJZIi21norFIT
DJZIc11norFIT<-ugarchfit(spec=DJZIc11nor,data=datDJZIretINSA DJZIc11norFIT
DJZIc22norFIT<-ugarchfit(spec=DJZIc22nor,data=datDJZIretINSA DJZIc22norFIT
DJZIc12norFIT<-ugarchfit(spec=DJZIc12nor,data=datDJZIretINSA DJZIc12norFIT
DJZIc21norFIT<-ugarchfit(spec=DJZIc21nor,data=datDJZIretINSA DJZIc21norFIT
```

##Lean HogFIT

```
DJLHs11gedFIT<-ugarchfit(spec=DJLHs11ged,data=datDJLHretINSA DJLHs11gedFIT
DJLHs22gedFIT<-ugarchfit(spec=DJLHs22ged,data=datDJLHretINSA DJLHs22gedFIT
DJLHs12gedFIT<-ugarchfit(spec=DJLHs12ged,data=datDJLHretINSA DJLHs12gedFIT
DJLHs21gedFIT<-ugarchfit(spec=DJLHs21ged,data=datDJLHretINSA DJLHs21gedFIT
DJLHe11gedFIT<-ugarchfit(spec=DJLHe11ged,data=datDJLHretINSA DJLHe11gedFIT
DJLHe22gedFIT<-ugarchfit(spec=DJLHe22ged,data=datDJLHretINSA DJLHe22gedFIT
DJLHe12gedFIT<-ugarchfit(spec=DJLHe12ged,data=datDJLHretINSA DJLHe12gedFIT
DJLHe21gedFIT<-ugarchfit(spec=DJLHe21ged,data=datDJLHretINSA DJLHe21gedFIT
DJLHg11gedFIT<-ugarchfit(spec=DJLHg11ged,data=datDJLHretINSA DJLHg11gedFIT
DJLHg22gedFIT<-ugarchfit(spec=DJLHg22ged,data=datDJLHretINSA DJLHg22gedFIT
DJLHg12gedFIT<-ugarchfit(spec=DJLHg12ged,data=datDJLHretINSA DJLHg12gedFIT
DJLHg21gedFIT<-ugarchfit(spec=DJLHg21ged,data=datDJLHretINSA DJLHg21gedFIT
DJLHi11gedFIT<-ugarchfit(spec=DJLHi11ged,data=datDJLHretINSA DJLHi11gedFIT
DJLHi22gedFIT<-ugarchfit(spec=DJLHi22ged,data=datDJLHretINSA DJLHi22gedFIT
DJLHi12gedFIT<-ugarchfit(spec=DJLHi12ged,data=datDJLHretINSA DJLHi12gedFIT
DJLHi21gedFIT<-ugarchfit(spec=DJLHi21ged,data=datDJLHretINSA DJLHi21gedFIT
DJLHc11gedFIT<-ugarchfit(spec=DJLHc11ged,data=datDJLHretINSA DJLHc11gedFIT
DJLHc22gedFIT<-ugarchfit(spec=DJLHc22ged,data=datDJLHretINSA DJLHc22gedFIT
DJLHc12gedFIT<-ugarchfit(spec=DJLHc12ged,data=datDJLHretINSA DJLHc12gedFIT
DJLHc21gedFIT<-ugarchfit(spec=DJLHc21ged,data=datDJLHretINSA DJLHc21gedFIT

DJLHs11stdFIT<-ugarchfit(spec=DJLHs11std,data=datDJLHretINSA DJLHs11stdFIT
DJLHs22stdFIT<-ugarchfit(spec=DJLHs22std,data=datDJLHretINSA DJLHs22stdFIT
DJLHs12stdFIT<-ugarchfit(spec=DJLHs12std,data=datDJLHretINSA DJLHs12stdFIT
DJLHs21stdFIT<-ugarchfit(spec=DJLHs21std,data=datDJLHretINSA DJLHs21stdFIT
DJLHe11stdFIT<-ugarchfit(spec=DJLHe11std,data=datDJLHretINSA DJLHe11stdFIT
DJLHe22stdFIT<-ugarchfit(spec=DJLHe22std,data=datDJLHretINSA DJLHe22stdFIT
DJLHe12stdFIT<-ugarchfit(spec=DJLHe12std,data=datDJLHretINSA DJLHe12stdFIT
DJLHe21stdFIT<-ugarchfit(spec=DJLHe21std,data=datDJLHretINSA DJLHe21stdFIT
DJLHg11stdFIT<-ugarchfit(spec=DJLHg11std,data=datDJLHretINSA DJLHg11stdFIT
DJLHg22stdFIT<-ugarchfit(spec=DJLHg22std,data=datDJLHretINSA DJLHg22stdFIT
DJLHg12stdFIT<-ugarchfit(spec=DJLHg12std,data=datDJLHretINSA DJLHg12stdFIT
DJLHg21stdFIT<-ugarchfit(spec=DJLHg21std,data=datDJLHretINSA DJLHg21stdFIT
DJLHi11stdFIT<-ugarchfit(spec=DJLHi11std,data=datDJLHretINSA DJLHi11stdFIT
DJLHi22stdFIT<-ugarchfit(spec=DJLHi22std,data=datDJLHretINSA DJLHi22stdFIT
DJLHi12stdFIT<-ugarchfit(spec=DJLHi12std,data=datDJLHretINSA DJLHi12stdFIT
DJLHi21stdFIT<-ugarchfit(spec=DJLHi21std,data=datDJLHretINSA DJLHi21stdFIT
DJLHc11stdFIT<-ugarchfit(spec=DJLHc11std,data=datDJLHretINSA DJLHc11stdFIT
DJLHc22stdFIT<-ugarchfit(spec=DJLHc22std,data=datDJLHretINSA DJLHc22stdFIT
DJLHc12stdFIT<-ugarchfit(spec=DJLHc12std,data=datDJLHretINSA DJLHc12stdFIT
DJLHc21stdFIT<-ugarchfit(spec=DJLHc21std,data=datDJLHretINSA DJLHc21stdFIT

DJLHs11norFIT<-ugarchfit(spec=DJLHs11nor,data=datDJLHretINSA DJLHs11norFIT
DJLHs22norFIT<-ugarchfit(spec=DJLHs22nor,data=datDJLHretINSA DJLHs22norFIT
DJLHs12norFIT<-ugarchfit(spec=DJLHs12nor,data=datDJLHretINSA DJLHs12norFIT
DJLHs21norFIT<-ugarchfit(spec=DJLHs21nor,data=datDJLHretINSA DJLHs21norFIT
DJLHe11norFIT<-ugarchfit(spec=DJLHe11nor,data=datDJLHretINSA DJLHe11norFIT
DJLHe22norFIT<-ugarchfit(spec=DJLHe22nor,data=datDJLHretINSA DJLHe22norFIT
DJLHe12norFIT<-ugarchfit(spec=DJLHe12nor,data=datDJLHretINSA DJLHe12norFIT
DJLHe21norFIT<-ugarchfit(spec=DJLHe21nor,data=datDJLHretINSA DJLHe21norFIT
DJLHg11norFIT<-ugarchfit(spec=DJLHg11nor,data=datDJLHretINSA DJLHg11norFIT
DJLHg22norFIT<-ugarchfit(spec=DJLHg22nor,data=datDJLHretINSA DJLHg22norFIT
DJLHg12norFIT<-ugarchfit(spec=DJLHg12nor,data=datDJLHretINSA DJLHg12norFIT
DJLHg21norFIT<-ugarchfit(spec=DJLHg21nor,data=datDJLHretINSA DJLHg21norFIT
DJLHi11norFIT<-ugarchfit(spec=DJLHi11nor,data=datDJLHretINSA DJLHi11norFIT
DJLHi22norFIT<-ugarchfit(spec=DJLHi22nor,data=datDJLHretINSA DJLHi22norFIT
DJLHi12norFIT<-ugarchfit(spec=DJLHi12nor,data=datDJLHretINSA DJLHi12norFIT
DJLHi21norFIT<-ugarchfit(spec=DJLHi21nor,data=datDJLHretINSA DJLHi21norFIT
DJLHc11norFIT<-ugarchfit(spec=DJLHc11nor,data=datDJLHretINSA DJLHc11norFIT
DJLHc22norFIT<-ugarchfit(spec=DJLHc22nor,data=datDJLHretINSA DJLHc22norFIT
DJLHc12norFIT<-ugarchfit(spec=DJLHc12nor,data=datDJLHretINSA DJLHc12norFIT
DJLHc21norFIT<-ugarchfit(spec=DJLHc21nor,data=datDJLHretINSA DJLHc21norFIT
```

##Natural Gas FIT

```
DJNGs11gedFIT<-ugarchfit(spec=DJNGs11ged,data=datDJNGretINSA DJNGs11gedFIT
DJNGs22gedFIT<-ugarchfit(spec=DJNGs22ged,data=datDJNGretINSA DJNGs22gedFIT
DJNGs12gedFIT<-ugarchfit(spec=DJNGs12ged,data=datDJNGretINSA DJNGs12gedFIT
DJNGs21gedFIT<-ugarchfit(spec=DJNGs21ged,data=datDJNGretINSA DJNGs21gedFIT
DJNGe11gedFIT<-ugarchfit(spec=DJNGe11ged,data=datDJNGretINSA DJNGe11gedFIT
DJNGe22gedFIT<-ugarchfit(spec=DJNGe22ged,data=datDJNGretINSA DJNGe22gedFIT
DJNGe12gedFIT<-ugarchfit(spec=DJNGe12ged,data=datDJNGretINSA DJNGe12gedFIT
DJNGe21gedFIT<-ugarchfit(spec=DJNGe21ged,data=datDJNGretINSA DJNGe21gedFIT
DJNGg11gedFIT<-ugarchfit(spec=DJNGg11ged,data=datDJNGretINSA DJNGg11gedFIT
DJNGg22gedFIT<-ugarchfit(spec=DJNGg22ged,data=datDJNGretINSA DJNGg22gedFIT
DJNGe12edFIT<-ugarchfit(spec=DJNGe12eed,data=datDJNGretINSA DJNGg12gedFIT
DJNGe21edFIT<-ugarchfit(spec=DJNGe21eed,data=datDJNGretINSA DJNGg21gedFIT
DJNGi11edFIT<-ugarchfit(spec=DJNGi11eed,data=datDJNGretINSA DJNGi11gedFIT
DJNGi22edFIT<-ugarchfit(spec=DJNGi22eed,data=datDJNGretINSA DJNGi22gedFIT
DJNGi12edFIT<-ugarchfit(spec=DJNGi12eed,data=datDJNGretINSA DJNGi12gedFIT
DJNGi21edFIT<-ugarchfit(spec=DJNGi21eed,data=datDJNGretINSA DJNGi21gedFIT
DJNGc11gedFIT<-ugarchfit(spec=DJNGc11ged,data=datDJNGretINSA DJNGc11gedFIT
DJNGc22gedFIT<-ugarchfit(spec=DJNGc22ged,data=datDJNGretINSA DJNGc22gedFIT
DJNGc12gedFIT<-ugarchfit(spec=DJNGc12ged,data=datDJNGretINSA DJNGc12gedFIT
DJNGc21gedFIT<-ugarchfit(spec=DJNGc21ged,data=datDJNGretINSA DJNGc21gedFIT

DJNGs11stdFIT<-ugarchfit(spec=DJNGs11std,data=datDJNGretINSA DJNGs11stdFIT
DJNGs22stdFIT<-ugarchfit(spec=DJNGs22std,data=datDJNGretINSA DJNGs22stdFIT
DJNGs12stdFIT<-ugarchfit(spec=DJNGs12std,data=datDJNGretINSA DJNGs12stdFIT
DJNGs21stdFIT<-ugarchfit(spec=DJNGs21std,data=datDJNGretINSA DJNGs21stdFIT
DJNGe11stdFIT<-ugarchfit(spec=DJNGe11std,data=datDJNGretINSA DJNGe11stdFIT
DJNGe22stdFIT<-ugarchfit(spec=DJNGe22std,data=datDJNGretINSA DJNGe22stdFIT
DJNGe12stdFIT<-ugarchfit(spec=DJNGe12std,data=datDJNGretINSA DJNGe12stdFIT
DJNGe21stdFIT<-ugarchfit(spec=DJNGe21std,data=datDJNGretINSA DJNGe21stdFIT
DJNGg11stdFIT<-ugarchfit(spec=DJNGg11std,data=datDJNGretINSA DJNGg11stdFIT
DJNGg22stdFIT<-ugarchfit(spec=DJNGg22std,data=datDJNGretINSA DJNGg22stdFIT
DJNGg12stdFIT<-ugarchfit(spec=DJNGg12std,data=datDJNGretINSA DJNGg12stdFIT
DJNGg21stdFIT<-ugarchfit(spec=DJNGg21std,data=datDJNGretINSA DJNGg21stdFIT
DJNGi11stdFIT<-ugarchfit(spec=DJNGi11std,data=datDJNGretINSA DJNGi11stdFIT
DJNGi22stdFIT<-ugarchfit(spec=DJNGi22std,data=datDJNGretINSA DJNGi22stdFIT
DJNGi12stdFIT<-ugarchfit(spec=DJNGi12std,data=datDJNGretINSA DJNGi12stdFIT
DJNGi21stdFIT<-ugarchfit(spec=DJNGi21std,data=datDJNGretINSA DJNGi21stdFIT
DJNGc11stdFIT<-ugarchfit(spec=DJNGc11std,data=datDJNGretINSA DJNGc11stdFIT
DJNGc22stdFIT<-ugarchfit(spec=DJNGc22std,data=datDJNGretINSA DJNGc22stdFIT
DJNGc12stdFIT<-ugarchfit(spec=DJNGc12std,data=datDJNGretINSA DJNGc12stdFIT
DJNGc21stdFIT<-ugarchfit(spec=DJNGc21std,data=datDJNGretINSA DJNGc21stdFIT

DJNGs11norFIT<-ugarchfit(spec=DJNGs11nor,data=datDJNGretINSA DJNGs11norFIT
DJNGs22norFIT<-ugarchfit(spec=DJNGs22nor,data=datDJNGretINSA DJNGs22norFIT
DJNGs12norFIT<-ugarchfit(spec=DJNGs12nor,data=datDJNGretINSA DJNGs12norFIT
DJNGs21norFIT<-ugarchfit(spec=DJNGs21nor,data=datDJNGretINSA DJNGs21norFIT
DJNGe11norFIT<-ugarchfit(spec=DJNGe11nor,data=datDJNGretINSA DJNGe11norFIT
DJNGe22norFIT<-ugarchfit(spec=DJNGe22nor,data=datDJNGretINSA DJNGe22norFIT
DJNGe12norFIT<-ugarchfit(spec=DJNGe12nor,data=datDJNGretINSA DJNGe12norFIT
DJNGe21norFIT<-ugarchfit(spec=DJNGe21nor,data=datDJNGretINSA DJNGe21norFIT
DJNGe11norFIT<-ugarchfit(spec=DJNGe11nor,data=datDJNGretINSA DJNGe11norFIT
DJNGe22norFIT<-ugarchfit(spec=DJNGe22nor,data=datDJNGretINSA DJNGg22norFIT
DJNGe12norFIT<-ugarchfit(spec=DJNGe12nor,data=datDJNGretINSA DJNGg12norFIT
DJNGe21norFIT<-ugarchfit(spec=DJNGe21nor,data=datDJNGretINSA DJNGg21norFIT
DJNGi11norFIT<-ugarchfit(spec=DJNGi11nor,data=datDJNGretINSA DJNGi11norFIT
DJNGi22norFIT<-ugarchfit(spec=DJNGi22nor,data=datDJNGretINSA DJNGi22norFIT
DJNGi12norFIT<-ugarchfit(spec=DJNGi12nor,data=datDJNGretINSA DJNGi12norFIT
DJNGi21norFIT<-ugarchfit(spec=DJNGi21nor,data=datDJNGretINSA DJNGi21norFIT
DJNGc11norFIT<-ugarchfit(spec=DJNGc11nor,data=datDJNGretINSA DJNGc11norFIT
DJNGc22norFIT<-ugarchfit(spec=DJNGc22nor,data=datDJNGretINSA DJNGc22norFIT
DJNGc12norFIT<-ugarchfit(spec=DJNGc12nor,data=datDJNGretINSA DJNGc12norFIT
DJNGc21norFIT<-ugarchfit(spec=DJNGc21nor,data=datDJNGretINSA DJNGc21norFIT
```

##PetroleumFIT

```
DJPEs11edFIT<-ugarchfit(spec=DJPEs11eed,data=datDJPEretINSA DJPEs11gedFIT
DJPEs22edFIT<-ugarchfit(spec=DJPEs22eed,data=datDJPEretINSA DJPEs22gedFIT
DJPEs12edFIT<-ugarchfit(spec=DJPEs12eed,data=datDJPEretINSA DJPEs12gedFIT
DJPEs21edFIT<-ugarchfit(spec=DJPEs21eed,data=datDJPEretINSA DJPEs21gedFIT
DJPEe11edFIT<-ugarchfit(spec=DJPEe11eed,data=datDJPEretINSA DJPEe11gedFIT
DJPEe22edFIT<-ugarchfit(spec=DJPEe22eed,data=datDJPEretINSA DJPEe22gedFIT
DJPEe12edFIT<-ugarchfit(spec=DJPEe12eed,data=datDJPEretINSA DJPEe12gedFIT
DJPEe21edFIT<-ugarchfit(spec=DJPEe21eed,data=datDJPEretINSA DJPEe21gedFIT
DJPEg11edFIT<-ugarchfit(spec=DJPEg11eed,data=datDJPEretINSA DJPEg11gedFIT
DJPEg22edFIT<-ugarchfit(spec=DJPEg22eed,data=datDJPEretINSA DJPEg22gedFIT
DJPEg12edFIT<-ugarchfit(spec=DJPEg12eed,data=datDJPEretINSA DJPEg12gedFIT
DJPEg21edFIT<-ugarchfit(spec=DJPEg21eed,data=datDJPEretINSA DJPEg21gedFIT
DJPEi11edFIT<-ugarchfit(spec=DJPEi11eed,data=datDJPEretINSA DJPEi11gedFIT
DJPEi22edFIT<-ugarchfit(spec=DJPEi22eed,data=datDJPEretINSA DJPEi22gedFIT
DJPEi12edFIT<-ugarchfit(spec=DJPEi12eed,data=datDJPEretINSA DJPEi12gedFIT
DJPEi21edFIT<-ugarchfit(spec=DJPEi21eed,data=datDJPEretINSA DJPEi21gedFIT
DJPEc11edFIT<-ugarchfit(spec=DJPEc11eed,data=datDJPEretINSA DJPEc11gedFIT
DJPEc22edFIT<-ugarchfit(spec=DJPEc22eed,data=datDJPEretINSA DJPEc22gedFIT
DJPEc12edFIT<-ugarchfit(spec=DJPEc12eed,data=datDJPEretINSA DJPEc12gedFIT
DJPEc21edFIT<-ugarchfit(spec=DJPEc21eed,data=datDJPEretINSA DJPEc21gedFIT

DJPEs11stdFIT<-ugarchfit(spec=DJPEs11std,data=datDJPEretINSA DJPEs11stdFIT
DJPEs22stdFIT<-ugarchfit(spec=DJPEs22std,data=datDJPEretINSA DJPEs22stdFIT
DJPEs12stdFIT<-ugarchfit(spec=DJPEs12std,data=datDJPEretINSA DJPEs12stdFIT
DJPEs21stdFIT<-ugarchfit(spec=DJPEs21std,data=datDJPEretINSA DJPEs21stdFIT
DJPEe11stdFIT<-ugarchfit(spec=DJPEe11std,data=datDJPEretINSA DJPEe11stdFIT
DJPEe22stdFIT<-ugarchfit(spec=DJPEe22std,data=datDJPEretINSA DJPEe22stdFIT
DJPEe12stdFIT<-ugarchfit(spec=DJPEe12std,data=datDJPEretINSA DJPEe12stdFIT
DJPEe21stdFIT<-ugarchfit(spec=DJPEe21std,data=datDJPEretINSA DJPEe21stdFIT
DJPEe11stdFIT<-ugarchfit(spec=DJPEe11std,data=datDJPEretINSA DJPEg11stdFIT
DJPEe22stdFIT<-ugarchfit(spec=DJPEe22std,data=datDJPEretINSA DJPEg22stdFIT
DJPEg12stdFIT<-ugarchfit(spec=DJPEg12std,data=datDJPEretINSA DJPEg12stdFIT
DJPEg21stdFIT<-ugarchfit(spec=DJPEg21std,data=datDJPEretINSA DJPEg21stdFIT
DJPEi11stdFIT<-ugarchfit(spec=DJPEi11std,data=datDJPEretINSA DJPEi11stdFIT
DJPEi22stdFIT<-ugarchfit(spec=DJPEi22std,data=datDJPEretINSA DJPEi22stdFIT
DJPEi12stdFIT<-ugarchfit(spec=DJPEi12std,data=datDJPEretINSA DJPEi12stdFIT
DJPEi21stdFIT<-ugarchfit(spec=DJPEi21std,data=datDJPEretINSA DJPEi21stdFIT
DJPEc11stdFIT<-ugarchfit(spec=DJPEc11std,data=datDJPEretINSA DJPEc11stdFIT
DJPEc22stdFIT<-ugarchfit(spec=DJPEc22std,data=datDJPEretINSA DJPEc22stdFIT
DJPEc12stdFIT<-ugarchfit(spec=DJPEc12std,data=datDJPEretINSA DJPEc12stdFIT
DJPEc21stdFIT<-ugarchfit(spec=DJPEc21std,data=datDJPEretINSA DJPEc21stdFIT

DJPEs11norFIT<-ugarchfit(spec=DJPEs11nor,data=datDJPEretINSA DJPEs11norFIT
DJPEs22norFIT<-ugarchfit(spec=DJPEs22nor,data=datDJPEretINSA DJPEs22norFIT
DJPEs12norFIT<-ugarchfit(spec=DJPEs12nor,data=datDJPEretINSA DJPEs12norFIT
DJPEs21norFIT<-ugarchfit(spec=DJPEs21nor,data=datDJPEretINSA DJPEs21norFIT
DJPEe11norFIT<-ugarchfit(spec=DJPEe11nor,data=datDJPEretINSA DJPEe11norFIT
DJPEe22norFIT<-ugarchfit(spec=DJPEe22nor,data=datDJPEretINSA DJPEe22norFIT
```

```
DJPEe12norFIT<-ugarchfit(spec=DJPEe12nor,data=datDJPEretINSA DJPEe12norFIT
DJPEe21norFIT<-ugarchfit(spec=DJPEe21nor,data=datDJPEretINSA DJPEe21norFIT
DJPEe11norFIT<-ugarchfit(spec=DJPEe11nor,data=datDJPEretINSA DJPEg11norFIT
DJPEe22norFIT<-ugarchfit(spec=DJPEe22nor,data=datDJPEretINSA DJPEg22norFIT
DJPEe12norFIT<-ugarchfit(spec=DJPEe12nor,data=datDJPEretINSA DJPEg12norFIT
DJPEe21norFIT<-ugarchfit(spec=DJPEe21nor,data=datDJPEretINSA DJPEg21norFIT
DJPEi11norFIT<-ugarchfit(spec=DJPEi11nor,data=datDJPEretINSA DJPEi11norFIT
DJPEi22norFIT<-ugarchfit(spec=DJPEi22nor,data=datDJPEretINSA DJPEi22norFIT
DJPEi12norFIT<-ugarchfit(spec=DJPEi12nor,data=datDJPEretINSA DJPEi12norFIT
DJPEi22norFIT<-ugarchfit(spec=DJPEi21nor,data=datDJPEretINSA DJPEi21norFIT
DJPEc11norFIT<-ugarchfit(spec=DJPEc11nor,data=datDJPEretINSA DJPEc11norFIT
DJPEc22norFIT<-ugarchfit(spec=DJPEc22nor,data=datDJPEretINSA DJPEc22norFIT
DJPEc12norFIT<-ugarchfit(spec=DJPEc12nor,data=datDJPEretINSA DJPEc12norFIT
DJPEc21norFIT<-ugarchfit(spec=DJPEc21nor,data=datDJPEretINSA DJPEc21norFIT
```

SoybeansFIT

```
DJSOs11edFIT<-ugarchfit(spec=DJSOs11eed,data=datDJSOretINSA DJSOs11gedFIT
DJSOs22edFIT<-ugarchfit(spec=DJSOs22eed,data=datDJSOretINSA DJSOs22gedFIT
DJSOs12edFIT<-ugarchfit(spec=DJSOs12eed,data=datDJSOretINSA DJSOs12gedFIT
DJSOs21edFIT<-ugarchfit(spec=DJSOs21eed,data=datDJSOretINSA DJSOs21gedFIT
DJSOe11edFIT<-ugarchfit(spec=DJSOe11eed,data=datDJSOretINSA DJSOe11gedFIT
DJSOe22edFIT<-ugarchfit(spec=DJSOe22eed,data=datDJSOretINSA DJSOe22gedFIT
DJSOe12edFIT<-ugarchfit(spec=DJSOe12eed,data=datDJSOretINSA DJSOe12gedFIT
DJSOe21edFIT<-ugarchfit(spec=DJSOe21eed,data=datDJSOretINSA DJSOe21gedFIT
DJSOg11edFIT<-ugarchfit(spec=DJSOg11eed,data=datDJSOretINSA DJSOg11gedFIT
DJSOg22edFIT<-ugarchfit(spec=DJSOg22eed,data=datDJSOretINSA DJSOg22gedFIT
DJSOg12edFIT<-ugarchfit(spec=DJSOg12eed,data=datDJSOretINSA DJSOg12gedFIT
DJSOe21edFIT<-ugarchfit(spec=DJSOe21eed,data=datDJSOretINSA DJSOg21gedFIT
DJSOi11edFIT<-ugarchfit(spec=DJSOi11eed,data=datDJSOretINSA DJSOi11gedFIT
DJSOi22edFIT<-ugarchfit(spec=DJSOi22eed,data=datDJSOretINSA DJSOi22gedFIT
DJSOi12edFIT<-ugarchfit(spec=DJSOi12eed,data=datDJSOretINSA DJSOi12gedFIT
DJSOi21edFIT<-ugarchfit(spec=DJSOi21eed,data=datDJSOretINSA DJSOi21gedFIT
DJSOc11edFIT<-ugarchfit(spec=DJSOc11eed,data=datDJSOretINSA DJSOc11gedFIT
DJSOc22edFIT<-ugarchfit(spec=DJSOc22eed,data=datDJSOretINSA DJSOc22gedFIT
DJSOc12edFIT<-ugarchfit(spec=DJSOc12eed,data=datDJSOretINSA DJSOc12gedFIT
DJSOc21edFIT<-ugarchfit(spec=DJSOc21eed,data=datDJSOretINSA DJSOc21gedFIT

DJSOs11stdFIT<-ugarchfit(spec=DJSOs11std,data=datDJSOretINSA DJSOs11stdFIT
DJSOs22stdFIT<-ugarchfit(spec=DJSOs22std,data=datDJSOretINSA DJSOs22stdFIT
DJSOs12stdFIT<-ugarchfit(spec=DJSOs12std,data=datDJSOretINSA DJSOs12stdFIT
DJSOs21stdFIT<-ugarchfit(spec=DJSOs21std,data=datDJSOretINSA DJSOs21stdFIT
DJSOe11stdFIT<-ugarchfit(spec=DJSOe11std,data=datDJSOretINSA DJSOe11stdFIT
DJSOe22stdFIT<-ugarchfit(spec=DJSOe22std,data=datDJSOretINSA DJSOe22stdFIT
DJSOe12stdFIT<-ugarchfit(spec=DJSOe12std,data=datDJSOretINSA DJSOe12stdFIT
DJSOe21stdFIT<-ugarchfit(spec=DJSOe21std,data=datDJSOretINSA DJSOe21stdFIT
DJSOe11stdFIT<-ugarchfit(spec=DJSOe11std,data=datDJSOretINSA DJSOg11stdFIT
DJSOe22stdFIT<-ugarchfit(spec=DJSOe22std,data=datDJSOretINSA DJSOg22stdFIT
DJSOg12stdFIT<-ugarchfit(spec=DJSOg12std,data=datDJSOretINSA DJSOg12stdFIT
DJSOg21stdFIT<-ugarchfit(spec=DJSOg21std,data=datDJSOretINSA DJSOg21stdFIT
DJSOi11stdFIT<-ugarchfit(spec=DJSOi11std,data=datDJSOretINSA DJSOi11stdFIT
DJSOi22stdFIT<-ugarchfit(spec=DJSOi22std,data=datDJSOretINSA DJSOi22stdFIT
DJSOi12stdFIT<-ugarchfit(spec=DJSOi12std,data=datDJSOretINSA DJSOi12stdFIT
DJSOi21stdFIT<-ugarchfit(spec=DJSOi21std,data=datDJSOretINSA DJSOi21stdFIT
DJSOc11stdFIT<-ugarchfit(spec=DJSOc11std,data=datDJSOretINSA DJSOc11stdFIT
DJSOc22stdFIT<-ugarchfit(spec=DJSOc22std,data=datDJSOretINSA DJSOc22stdFIT
DJSOc12stdFIT<-ugarchfit(spec=DJSOc12std,data=datDJSOretINSA DJSOc12stdFIT
DJSOc21stdFIT<-ugarchfit(spec=DJSOc21std,data=datDJSOretINSA DJSOc21stdFIT

DJSOs11norFIT<-ugarchfit(spec=DJSOs11nor,data=datDJSOretINSA DJSOs11norFIT
DJSOs22norFIT<-ugarchfit(spec=DJSOs22nor,data=datDJSOretINSA DJSOs22norFIT
DJSOs12norFIT<-ugarchfit(spec=DJSOs12nor,data=datDJSOretINSA DJSOs12norFIT
DJSOs21norFIT<-ugarchfit(spec=DJSOs21nor,data=datDJSOretINSA DJSOs21norFIT
DJSOe11norFIT<-ugarchfit(spec=DJSOe11nor,data=datDJSOretINSA DJSOe11norFIT
DJSOe22norFIT<-ugarchfit(spec=DJSOe22nor,data=datDJSOretINSA DJSOe22norFIT
DJSOe12norFIT<-ugarchfit(spec=DJSOe12nor,data=datDJSOretINSA DJSOe12norFIT
DJSOe21norFIT<-ugarchfit(spec=DJSOe21nor,data=datDJSOretINSA DJSOe21norFIT
DJSOe11norFIT<-ugarchfit(spec=DJSOe11nor,data=datDJSOretINSA DJSOg11norFIT
DJSOe22norFIT<-ugarchfit(spec=DJSOe22nor,data=datDJSOretINSA DJSOg22norFIT
DJSOe12norFIT<-ugarchfit(spec=DJSOe12nor,data=datDJSOretINSA DJSOg12norFIT
DJSOe21norFIT<-ugarchfit(spec=DJSOe21nor,data=datDJSOretINSA DJSOg21norFIT
DJSOi11norFIT<-ugarchfit(spec=DJSOi11nor,data=datDJSOretINSA DJSOi11norFIT
DJSOi22norFIT<-ugarchfit(spec=DJSOi22nor,data=datDJSOretINSA DJSOi22norFIT
DJSOi12norFIT<-ugarchfit(spec=DJSOi12nor,data=datDJSOretINSA DJSOi12norFIT
DJSOi21norFIT<-ugarchfit(spec=DJSOi21nor,data=datDJSOretINSA DJSOi21norFIT
DJSOc11norFIT<-ugarchfit(spec=DJSOc11nor,data=datDJSOretINSA DJSOc11norFIT
DJSOc22norFIT<-ugarchfit(spec=DJSOc22nor,data=datDJSOretINSA DJSOc22norFIT
DJSOc12norFIT<-ugarchfit(spec=DJSOc12nor,data=datDJSOretINSA DJSOc12norFIT
DJSOc21norFIT<-ugarchfit(spec=DJSOc21nor,data=datDJSOretINSA DJSOc21norFIT
```

Forestry and Paper FIT

```
SEFPs11edFIT<-ugarchfit(spec=SEFPs11eed,data=datSEFPretINSA SEFPs11gedFIT
SEFPs22edFIT<-ugarchfit(spec=SEFPs22eed,data=datSEFPretINSA SEFPs22gedFIT
SEFPs12edFIT<-ugarchfit(spec=SEFPs12eed,data=datSEFPretINSA SEFPs12gedFIT
SEFPs21edFIT<-ugarchfit(spec=SEFPs21eed,data=datSEFPretINSA SEFPs21gedFIT
SEFPe11edFIT<-ugarchfit(spec=SEFPe11eed,data=datSEFPretINSA SEFPe11gedFIT
SEFPe22edFIT<-ugarchfit(spec=SEFPe22eed,data=datSEFPretINSA SEFPe22gedFIT
SEFPe12edFIT<-ugarchfit(spec=SEFPe12eed,data=datSEFPretINSA SEFPe12gedFIT
SEFPe21edFIT<-ugarchfit(spec=SEFPe21eed,data=datSEFPretINSA SEFPe21gedFIT
SEFPg11edFIT<-ugarchfit(spec=SEFPg11eed,data=datSEFPretINSA SEFPg11gedFIT
SEFPg22edFIT<-ugarchfit(spec=SEFPg22eed,data=datSEFPretINSA SEFPg22gedFIT
SEFPg12edFIT<-ugarchfit(spec=SEFPg12eed,data=datSEFPretINSA SEFPg12gedFIT
SEFPg21edFIT<-ugarchfit(spec=SEFPg21eed,data=datSEFPretINSA SEFPg21gedFIT
SEFPi11edFIT<-ugarchfit(spec=SEFPi11eed,data=datSEFPretINSA SEFPi11gedFIT
SEFPi22edFIT<-ugarchfit(spec=SEFPi22eed,data=datSEFPretINSA SEFPi22gedFIT
SEFPi12edFIT<-ugarchfit(spec=SEFPi12eed,data=datSEFPretINSA SEFPi12gedFIT
SEFPi21edFIT<-ugarchfit(spec=SEFPi21eed,data=datSEFPretINSA SEFPi21gedFIT
SEFPc11edFIT<-ugarchfit(spec=SEFPc11eed,data=datSEFPretINSA SEFPc11gedFIT
SEFPc22edFIT<-ugarchfit(spec=SEFPc22eed,data=datSEFPretINSA SEFPc22gedFIT
SEFPc12edFIT<-ugarchfit(spec=SEFPc12eed,data=datSEFPretINSA SEFPc12gedFIT
SEFPc21edFIT<-ugarchfit(spec=SEFPc21eed,data=datSEFPretINSA SEFPc21gedFIT

SEFPs11stdFIT<-ugarchfit(spec=SEFPs11std,data=datSEFPretINSA SEFPs11stdFIT
SEFPs22stdFIT<-ugarchfit(spec=SEFPs22std,data=datSEFPretINSA SEFPs22stdFIT
SEFPs12stdFIT<-ugarchfit(spec=SEFPs12std,data=datSEFPretINSA SEFPs12stdFIT
SEFPs21stdFIT<-ugarchfit(spec=SEFPs21std,data=datSEFPretINSA SEFPs21stdFIT
SEFPe11stdFIT<-ugarchfit(spec=SEFPe11std,data=datSEFPretINSA SEFPe11stdFIT
SEFPe22stdFIT<-ugarchfit(spec=SEFPe22std,data=datSEFPretINSA SEFPe22stdFIT
SEFPe12stdFIT<-ugarchfit(spec=SEFPe12std,data=datSEFPretINSA SEFPe12stdFIT
SEFPe21stdFIT<-ugarchfit(spec=SEFPe21std,data=datSEFPretINSA SEFPe21stdFIT
SEFPg11stdFIT<-ugarchfit(spec=SEFPg11std,data=datSEFPretINSA SEFPg11stdFIT
SEFPg22stdFIT<-ugarchfit(spec=SEFPg22std,data=datSEFPretINSA SEFPg22stdFIT
SEFPg12stdFIT<-ugarchfit(spec=SEFPg12std,data=datSEFPretINSA SEFPg12stdFIT
SEFPg21stdFIT<-ugarchfit(spec=SEFPg21std,data=datSEFPretINSA SEFPg21stdFIT
SEFPi11stdFIT<-ugarchfit(spec=SEFPi11std,data=datSEFPretINSA SEFPi11stdFIT
SEFPi22stdFIT<-ugarchfit(spec=SEFPi22std,data=datSEFPretINSA SEFPi22stdFIT
SEFPi12stdFIT<-ugarchfit(spec=SEFPi12std,data=datSEFPretINSA SEFPi12stdFIT
SEFPi21stdFIT<-ugarchfit(spec=SEFPi21std,data=datSEFPretINSA SEFPi21stdFIT
SEFPc11stdFIT<-ugarchfit(spec=SEFPc11std,data=datSEFPretINSA SEFPc11stdFIT
SEFPc22stdFIT<-ugarchfit(spec=SEFPc22std,data=datSEFPretINSA SEFPc22stdFIT
SEFPc12stdFIT<-ugarchfit(spec=SEFPc12std,data=datSEFPretINSA SEFPc12stdFIT
SEFPc21stdFIT<-ugarchfit(spec=SEFPc21std,data=datSEFPretINSA SEFPc21stdFIT

SEFPs11norFIT<-ugarchfit(spec=SEFPs11nor,data=datSEFPretINSA SEFPs11norFIT
SEFPs22norFIT<-ugarchfit(spec=SEFPs22nor,data=datSEFPretINSA SEFPs22norFIT
SEFPs12norFIT<-ugarchfit(spec=SEFPs12nor,data=datSEFPretINSA SEFPs12norFIT
SEFPs21norFIT<-ugarchfit(spec=SEFPs21nor,data=datSEFPretINSA SEFPs21norFIT
SEFPe11norFIT<-ugarchfit(spec=SEFPe11nor,data=datSEFPretINSA SEFPe11norFIT
SEFPe22norFIT<-ugarchfit(spec=SEFPe22nor,data=datSEFPretINSA SEFPe22norFIT
SEFPe12norFIT<-ugarchfit(spec=SEFPe12nor,data=datSEFPretINSA SEFPe12norFIT
SEFPe21norFIT<-ugarchfit(spec=SEFPe21nor,data=datSEFPretINSA SEFPe21norFIT
SEFPg11norFIT<-ugarchfit(spec=SEFPg11nor,data=datSEFPretINSA SEFPg11norFIT
SEFPg22norFIT<-ugarchfit(spec=SEFPg22nor,data=datSEFPretINSA SEFPg22norFIT
SEFPe12norFIT<-ugarchfit(spec=SEFPe12nor,data=datSEFPretINSA SEFPg12norFIT
SEFPe21norFIT<-ugarchfit(spec=SEFPe21nor,data=datSEFPretINSA SEFPg21norFIT
SEFPi11norFIT<-ugarchfit(spec=SEFPi11nor,data=datSEFPretINSA SEFPi11norFIT
SEFPi22norFIT<-ugarchfit(spec=SEFPi22nor,data=datSEFPretINSA SEFPi22norFIT
SEFPi12norFIT<-ugarchfit(spec=SEFPi12nor,data=datSEFPretINSA SEFPi12norFIT
SEFPi21norFIT<-ugarchfit(spec=SEFPi21nor,data=datSEFPretINSA SEFPi21norFIT
SEFPc11norFIT<-ugarchfit(spec=SEFPc11nor,data=datSEFPretINSA SEFPc11norFIT
SEFPc22norFIT<-ugarchfit(spec=SEFPc22nor,data=datSEFPretINSA SEFPc22norFIT
SEFPc12norFIT<-ugarchfit(spec=SEFPc12nor,data=datSEFPretINSA SEFPc12norFIT
SEFPc21norFIT<-ugarchfit(spec=SEFPc21nor,data=datSEFPretINSA SEFPc21norFIT
```

ElectricityFIT

```
SEECs11edFIT<-ugarchfit(spec=SEECs11eed,data=datSEECretINSA SEECs11gedFIT
SEECs22edFIT<-ugarchfit(spec=SEECs22eed,data=datSEECretINSA SEECs22gedFIT
SEECs12edFIT<-ugarchfit(spec=SEECs12eed,data=datSEECretINSA SEECs12gedFIT
SEECs21edFIT<-ugarchfit(spec=SEECs21eed,data=datSEECretINSA SEECs21gedFIT
SEECe11edFIT<-ugarchfit(spec=SEECe11eed,data=datSEECretINSA SEECe11gedFIT
SEECe22edFIT<-ugarchfit(spec=SEECe22eed,data=datSEECretINSA SEECe22gedFIT
SEECe12edFIT<-ugarchfit(spec=SEECe12eed,data=datSEECretINSA SEECe12gedFIT
SEECe21edFIT<-ugarchfit(spec=SEECe21eed,data=datSEECretINSA SEECe21gedFIT
SEECg11edFIT<-ugarchfit(spec=SEECg11eed,data=datSEECretINSA SEECg11gedFIT
SEECg22edFIT<-ugarchfit(spec=SEECg22eed,data=datSEECretINSA SEECg22gedFIT
SEECg12edFIT<-ugarchfit(spec=SEECg12eed,data=datSEECretINSA SEECg12gedFIT
SEECg21edFIT<-ugarchfit(spec=SEECg21eed,data=datSEECretINSA SEECg21gedFIT
SEECi11edFIT<-ugarchfit(spec=SEECi11eed,data=datSEECretINSA SEECi11gedFIT
SEECi22edFIT<-ugarchfit(spec=SEECi22eed,data=datSEECretINSA SEECi22gedFIT
SEECi12edFIT<-ugarchfit(spec=SEECi12eed,data=datSEECretINSA SEECi12gedFIT
SEECi21edFIT<-ugarchfit(spec=SEECi21eed,data=datSEECretINSA SEECi21gedFIT
SEECc11edFIT<-ugarchfit(spec=SEECc11eed,data=datSEECretINSA SEECc11gedFIT
SEECc22edFIT<-ugarchfit(spec=SEECc22eed,data=datSEECretINSA SEECc22gedFIT
SEECc12edFIT<-ugarchfit(spec=SEECc12eed,data=datSEECretINSA SEECc12gedFIT
SEECc21edFIT<-ugarchfit(spec=SEECc21eed,data=datSEECretINSA SEECc21gedFIT

SEECs11stdFIT<-ugarchfit(spec=SEECs11std,data=datSEECretINSA SEECs11stdFIT
SEECs22stdFIT<-ugarchfit(spec=SEECs22std,data=datSEECretINSA SEECs22stdFIT
SEECs12stdFIT<-ugarchfit(spec=SEECs12std,data=datSEECretINSA SEECs12stdFIT
SEECs21stdFIT<-ugarchfit(spec=SEECs21std,data=datSEECretINSA SEECs21stdFIT
SEECe11stdFIT<-ugarchfit(spec=SEECe11std,data=datSEECretINSA SEECe11stdFIT
SEECe22stdFIT<-ugarchfit(spec=SEECe22std,data=datSEECretINSA SEECe22stdFIT
SEECe12stdFIT<-ugarchfit(spec=SEECe12std,data=datSEECretINSA SEECe12stdFIT
SEECe21stdFIT<-ugarchfit(spec=SEECe21std,data=datSEECretINSA SEECe21stdFIT
SEECe11stdFIT<-ugarchfit(spec=SEECe11std,data=datSEECretINSA SEECg11stdFIT
SEECe22stdFIT<-ugarchfit(spec=SEECe22std,data=datSEECretINSA SEECg22stdFIT
SEECe12stdFIT<-ugarchfit(spec=SEECe12std,data=datSEECretINSA SEECg12stdFIT
SEECe21stdFIT<-ugarchfit(spec=SEECe21std,data=datSEECretINSA SEECg21stdFIT
SEECi11stdFIT<-ugarchfit(spec=SEECi11std,data=datSEECretINSA SEECi11stdFIT
SEECi22stdFIT<-ugarchfit(spec=SEECi22std,data=datSEECretINSA SEECi22stdFIT
SEECi12stdFIT<-ugarchfit(spec=SEECi12std,data=datSEECretINSA SEECi12stdFIT
SEECi21stdFIT<-ugarchfit(spec=SEECi21std,data=datSEECretINSA SEECi21stdFIT
SEECc11stdFIT<-ugarchfit(spec=SEECc11std,data=datSEECretINSA SEECc11stdFIT
SEECc22stdFIT<-ugarchfit(spec=SEECc22std,data=datSEECretINSA SEECc22stdFIT
SEECc12stdFIT<-ugarchfit(spec=SEECc12std,data=datSEECretINSA SEECc12stdFIT
SEECc21stdFIT<-ugarchfit(spec=SEECc21std,data=datSEECretINSA SEECc21stdFIT

SEECs11norFIT<-ugarchfit(spec=SEECs11nor,data=datSEECretINSA SEECs11norFIT
SEECs22norFIT<-ugarchfit(spec=SEECs22nor,data=datSEECretINSA SEECs22norFIT
SEECs12norFIT<-ugarchfit(spec=SEECs12nor,data=datSEECretINSA SEECs12norFIT
SEECs21norFIT<-ugarchfit(spec=SEECs21nor,data=datSEECretINSA SEECs21norFIT
SEECe11norFIT<-ugarchfit(spec=SEECe11nor,data=datSEECretINSA SEECe11norFIT
SEECe22norFIT<-ugarchfit(spec=SEECe22nor,data=datSEECretINSA SEECe22norFIT
SEECe12norFIT<-ugarchfit(spec=SEECe12nor,data=datSEECretINSA SEECe12norFIT
SEECe21norFIT<-ugarchfit(spec=SEECe21nor,data=datSEECretINSA SEECe21norFIT
SEECg11norFIT<-ugarchfit(spec=SEECg11nor,data=datSEECretINSA SEECg11norFIT
```

```
SEECg22norFIT<-ugarchfit(spec=SEECg22nor,data=datSEECretINSA SEECg22norFIT
SEECe12norFIT<-ugarchfit(spec=SEECe12nor,data=datSEECretINSA SEECg12norFIT
SEECe21norFIT<-ugarchfit(spec=SEECe21nor,data=datSEECretINSA SEECg21norFIT
SEEC111norFIT<-ugarchfit(spec=SEEC111nor,data=datSEECretINSA SEEC111norFIT
SEEC122norFIT<-ugarchfit(spec=SEEC122nor,data=datSEECretINSA SEEC122norFIT
SEEC112norFIT<-ugarchfit(spec=SEEC112nor,data=datSEECretINSA SEEC112norFIT
SEEC121norFIT<-ugarchfit(spec=SEEC121nor,data=datSEECretINSA SEEC121norFIT
SEECc11norFIT<-ugarchfit(spec=SEECc11nor,data=datSEECretINSA SEECc11norFIT
SEECc22norFIT<-ugarchfit(spec=SEECc22nor,data=datSEECretINSA SEECc22norFIT
SEECc12norFIT<-ugarchfit(spec=SEECc12nor,data=datSEECretINSA SEECc12norFIT
SEECc21norFIT<-ugarchfit(spec=SEECc21nor,data=datSEECretINSA SEECc21norFIT

##Fixed LineFIT
SEFLs11gedFIT<-ugarchfit(spec=SEFLs11ged,data=datSEFLretINSA SEFLs11gedFIT
SEFLs22gedFIT<-ugarchfit(spec=SEFLs22ged,data=datSEFLretINSA SEFLs22gedFIT
SEFLs12gedFIT<-ugarchfit(spec=SEFLs12ged,data=datSEFLretINSA SEFLs12gedFIT
SEFLs21gedFIT<-ugarchfit(spec=SEFLs21ged,data=datSEFLretINSA SEFLs21gedFIT
SEFLe11gedFIT<-ugarchfit(spec=SEFLe11ged,data=datSEFLretINSA SEFLe11gedFIT
SEFLe22gedFIT<-ugarchfit(spec=SEFLe22ged,data=datSEFLretINSA SEFLe22gedFIT
SEFLe12gedFIT<-ugarchfit(spec=SEFLe12ged,data=datSEFLretINSA SEFLe12gedFIT
SEFLe21gedFIT<-ugarchfit(spec=SEFLe21ged,data=datSEFLretINSA SEFLe21gedFIT
SEFLg11gedFIT<-ugarchfit(spec=SEFLg11ged,data=datSEFLretINSA SEFLg11gedFIT
SEFLg22gedFIT<-ugarchfit(spec=SEFLg22ged,data=datSEFLretINSA SEFLg22gedFIT
SEFLg12gedFIT<-ugarchfit(spec=SEFLg12ged,data=datSEFLretINSA SEFLg12gedFIT
SEFLg21gedFIT<-ugarchfit(spec=SEFLg21ged,data=datSEFLretINSA SEFLg21gedFIT
SEFLi11gedFIT<-ugarchfit(spec=SEFLi11ged,data=datSEFLretINSA SEFLi11gedFIT
SEFLi22gedFIT<-ugarchfit(spec=SEFLi22ged,data=datSEFLretINSA SEFLi22gedFIT
SEFLi12gedFIT<-ugarchfit(spec=SEFLi12ged,data=datSEFLretINSA SEFLi12gedFIT
SEFLi21gedFIT<-ugarchfit(spec=SEFLi21ged,data=datSEFLretINSA SEFLi21gedFIT
SEFLc11gedFIT<-ugarchfit(spec=SEFLc11ged,data=datSEFLretINSA SEFLc11gedFIT
SEFLc22gedFIT<-ugarchfit(spec=SEFLc22ged,data=datSEFLretINSA SEFLc22gedFIT
SEFLc12gedFIT<-ugarchfit(spec=SEFLc12ged,data=datSEFLretINSA SEFLc12gedFIT
SEFLc21gedFIT<-ugarchfit(spec=SEFLc21ged,data=datSEFLretINSA SEFLc21gedFIT

SEFLs11stdFIT<-ugarchfit(spec=SEFLs11std,data=datSEFLretINSA SEFLs11stdFIT
SEFLs22stdFIT<-ugarchfit(spec=SEFLs22std,data=datSEFLretINSA SEFLs22stdFIT
SEFLs12stdFIT<-ugarchfit(spec=SEFLs12std,data=datSEFLretINSA SEFLs12stdFIT
SEFLs21stdFIT<-ugarchfit(spec=SEFLs21std,data=datSEFLretINSA SEFLs21stdFIT
SEFLe11stdFIT<-ugarchfit(spec=SEFLe11std,data=datSEFLretINSA SEFLe11stdFIT
SEFLe22stdFIT<-ugarchfit(spec=SEFLe22std,data=datSEFLretINSA SEFLe22stdFIT
SEFLe12stdFIT<-ugarchfit(spec=SEFLe12std,data=datSEFLretINSA SEFLe12stdFIT
SEFLe21stdFIT<-ugarchfit(spec=SEFLe21std,data=datSEFLretINSA SEFLe21stdFIT
SEFLg11stdFIT<-ugarchfit(spec=SEFLg11std,data=datSEFLretINSA SEFLg11stdFIT
SEFLg22stdFIT<-ugarchfit(spec=SEFLg22std,data=datSEFLretINSA SEFLg22stdFIT
SEFLg12stdFIT<-ugarchfit(spec=SEFLg12std,data=datSEFLretINSA SEFLg12stdFIT
SEFLg21stdFIT<-ugarchfit(spec=SEFLg21std,data=datSEFLretINSA SEFLg21stdFIT
SEFLi11stdFIT<-ugarchfit(spec=SEFLi11std,data=datSEFLretINSA SEFLi11stdFIT
SEFLi22stdFIT<-ugarchfit(spec=SEFLi22std,data=datSEFLretINSA SEFLi22stdFIT
SEFLi12stdFIT<-ugarchfit(spec=SEFLi12std,data=datSEFLretINSA SEFLi12stdFIT
SEFLi21stdFIT<-ugarchfit(spec=SEFLi21std,data=datSEFLretINSA SEFLi21stdFIT
SEFLc11stdFIT<-ugarchfit(spec=SEFLc11std,data=datSEFLretINSA SEFLc11stdFIT
SEFLc22stdFIT<-ugarchfit(spec=SEFLc22std,data=datSEFLretINSA SEFLc22stdFIT
SEFLc12stdFIT<-ugarchfit(spec=SEFLc12std,data=datSEFLretINSA SEFLc12stdFIT
SEFLc21stdFIT<-ugarchfit(spec=SEFLc21std,data=datSEFLretINSA SEFLc21stdFIT

SEFLs11norFIT<-ugarchfit(spec=SEFLs11nor,data=datSEFLretINSA SEFLs11norFIT
SEFLs22norFIT<-ugarchfit(spec=SEFLs22nor,data=datSEFLretINSA SEFLs22norFIT
SEFLs12norFIT<-ugarchfit(spec=SEFLs12nor,data=datSEFLretINSA SEFLs12norFIT
SEFLs21norFIT<-ugarchfit(spec=SEFLs21nor,data=datSEFLretINSA SEFLs21norFIT
SEFLe11norFIT<-ugarchfit(spec=SEFLe11nor,data=datSEFLretINSA SEFLe11norFIT
SEFLe22norFIT<-ugarchfit(spec=SEFLe22nor,data=datSEFLretINSA SEFLe22norFIT
SEFLe12norFIT<-ugarchfit(spec=SEFLe12nor,data=datSEFLretINSA SEFLe12norFIT
SEFLe21norFIT<-ugarchfit(spec=SEFLe21nor,data=datSEFLretINSA SEFLe21norFIT
SEFLg11norFIT<-ugarchfit(spec=SEFLg11nor,data=datSEFLretINSA SEFLg11norFIT
SEFLg22norFIT<-ugarchfit(spec=SEFLg22nor,data=datSEFLretINSA SEFLg22norFIT
SEFLg12norFIT<-ugarchfit(spec=SEFLg12nor,data=datSEFLretINSA SEFLg12norFIT
SEFLe21norFIT<-ugarchfit(spec=SEFLe21nor,data=datSEFLretINSA SEFLg21norFIT
SEFLi11norFIT<-ugarchfit(spec=SEFLi11nor,data=datSEFLretINSA SEFLi11norFIT
SEFLi22norFIT<-ugarchfit(spec=SEFLi22nor,data=datSEFLretINSA SEFLi22norFIT
SEFLi12norFIT<-ugarchfit(spec=SEFLi12nor,data=datSEFLretINSA SEFLi12norFIT
SEFLi21norFIT<-ugarchfit(spec=SEFLi21nor,data=datSEFLretINSA SEFLi21norFIT
SEFLc11norFIT<-ugarchfit(spec=SEFLc11nor,data=datSEFLretINSA SEFLc11norFIT
SEFLc22norFIT<-ugarchfit(spec=SEFLc22nor,data=datSEFLretINSA SEFLc22norFIT
SEFLc12norFIT<-ugarchfit(spec=SEFLc12nor,data=datSEFLretINSA SEFLc12norFIT
SEFLc21norFIT<-ugarchfit(spec=SEFLc21nor,data=datSEFLretINSA SEFLc21norFIT

##Gas WaterFIT
SEUTs11gedFIT<-ugarchfit(spec=SEUTs11ged,data=datSEUTretINSA SEUTs11gedFIT
SEUTs22gedFIT<-ugarchfit(spec=SEUTs22ged,data=datSEUTretINSA SEUTs22gedFIT
SEUTs12gedFIT<-ugarchfit(spec=SEUTs12ged,data=datSEUTretINSA SEUTs12gedFIT
SEUTs21gedFIT<-ugarchfit(spec=SEUTs21ged,data=datSEUTretINSA SEUTs21gedFIT
SEUTe11gedFIT<-ugarchfit(spec=SEUTe11ged,data=datSEUTretINSA SEUTe11gedFIT
SEUTe22gedFIT<-ugarchfit(spec=SEUTe22ged,data=datSEUTretINSA SEUTe22gedFIT
SEUTe12gedFIT<-ugarchfit(spec=SEUTe12ged,data=datSEUTretINSA SEUTe12gedFIT
SEUTe21gedFIT<-ugarchfit(spec=SEUTe21ged,data=datSEUTretINSA SEUTe21gedFIT
SEUTg11gedFIT<-ugarchfit(spec=SEUTg11ged,data=datSEUTretINSA SEUTg11gedFIT
SEUTg22gedFIT<-ugarchfit(spec=SEUTg22ged,data=datSEUTretINSA SEUTg22gedFIT
SEUTg12gedFIT<-ugarchfit(spec=SEUTg12ged,data=datSEUTretINSA SEUTg12gedFIT
SEUTg21gedFIT<-ugarchfit(spec=SEUTg21ged,data=datSEUTretINSA SEUTg21gedFIT
SEUTi11gedFIT<-ugarchfit(spec=SEUTi11ged,data=datSEUTretINSA SEUTi11gedFIT
SEUTi22gedFIT<-ugarchfit(spec=SEUTi22ged,data=datSEUTretINSA SEUTi22gedFIT
SEUTi12gedFIT<-ugarchfit(spec=SEUTi12ged,data=datSEUTretINSA SEUTi12gedFIT
SEUTi21gedFIT<-ugarchfit(spec=SEUTi21ged,data=datSEUTretINSA SEUTi21gedFIT
SEUTc11gedFIT<-ugarchfit(spec=SEUTc11ged,data=datSEUTretINSA SEUTc11gedFIT
SEUTc22gedFIT<-ugarchfit(spec=SEUTc22ged,data=datSEUTretINSA SEUTc22gedFIT
SEUTc12gedFIT<-ugarchfit(spec=SEUTc12ged,data=datSEUTretINSA SEUTc12gedFIT
SEUTc21gedFIT<-ugarchfit(spec=SEUTc21ged,data=datSEUTretINSA SEUTc21gedFIT

SEUTs11stdFIT<-ugarchfit(spec=SEUTs11std,data=datSEUTretINSA SEUTs11stdFIT
SEUTs22stdFIT<-ugarchfit(spec=SEUTs22std,data=datSEUTretINSA SEUTs22stdFIT
SEUTs12stdFIT<-ugarchfit(spec=SEUTs12std,data=datSEUTretINSA SEUTs12stdFIT
SEUTs21stdFIT<-ugarchfit(spec=SEUTs21std,data=datSEUTretINSA SEUTs21stdFIT
SEUTe11stdFIT<-ugarchfit(spec=SEUTe11std,data=datSEUTretINSA SEUTe11stdFIT
SEUTe22stdFIT<-ugarchfit(spec=SEUTe22std,data=datSEUTretINSA SEUTe22stdFIT
SEUTe12stdFIT<-ugarchfit(spec=SEUTe12std,data=datSEUTretINSA SEUTe12stdFIT
SEUTe21stdFIT<-ugarchfit(spec=SEUTe21std,data=datSEUTretINSA SEUTe21stdFIT
SEUTg11stdFIT<-ugarchfit(spec=SEUTg11std,data=datSEUTretINSA SEUTg11stdFIT
SEUTg22stdFIT<-ugarchfit(spec=SEUTg22std,data=datSEUTretINSA SEUTg22stdFIT
SEUTg12stdFIT<-ugarchfit(spec=SEUTg12std,data=datSEUTretINSA SEUTg12stdFIT
SEUTg21stdFIT<-ugarchfit(spec=SEUTg21std,data=datSEUTretINSA SEUTg21stdFIT
SEUTi11stdFIT<-ugarchfit(spec=SEUTi11std,data=datSEUTretINSA SEUTi11stdFIT
SEUTi22stdFIT<-ugarchfit(spec=SEUTi22std,data=datSEUTretINSA SEUTi22stdFIT
SEUTi12stdFIT<-ugarchfit(spec=SEUTi12std,data=datSEUTretINSA SEUTi12stdFIT
SEUTi21stdFIT<-ugarchfit(spec=SEUTi21std,data=datSEUTretINSA SEUTi21stdFIT
SEUTc11stdFIT<-ugarchfit(spec=SEUTc11std,data=datSEUTretINSA SEUTc11stdFIT
SEUTc22stdFIT<-ugarchfit(spec=SEUTc22std,data=datSEUTretINSA SEUTc22stdFIT
SEUTc12stdFIT<-ugarchfit(spec=SEUTc12std,data=datSEUTretINSA SEUTc12stdFIT
SEUTc21stdFIT<-ugarchfit(spec=SEUTc21std,data=datSEUTretINSA SEUTc21stdFIT

SEUTs11norFIT<-ugarchfit(spec=SEUTs11nor,data=datSEUTretINSA SEUTs11norFIT
SEUTs22norFIT<-ugarchfit(spec=SEUTs22nor,data=datSEUTretINSA SEUTs22norFIT
SEUTs12norFIT<-ugarchfit(spec=SEUTs12nor,data=datSEUTretINSA SEUTs12norFIT
SEUTs21norFIT<-ugarchfit(spec=SEUTs21nor,data=datSEUTretINSA SEUTs21norFIT
SEUTe11norFIT<-ugarchfit(spec=SEUTe11nor,data=datSEUTretINSA SEUTe11norFIT
SEUTe22norFIT<-ugarchfit(spec=SEUTe22nor,data=datSEUTretINSA SEUTe22norFIT
SEUTe12norFIT<-ugarchfit(spec=SEUTe12nor,data=datSEUTretINSA SEUTe12norFIT
SEUTe21norFIT<-ugarchfit(spec=SEUTe21nor,data=datSEUTretINSA SEUTe21norFIT
SEUTg11norFIT<-ugarchfit(spec=SEUTg11nor,data=datSEUTretINSA SEUTg11norFIT
SEUTg22norFIT<-ugarchfit(spec=SEUTg22nor,data=datSEUTretINSA SEUTg22norFIT
SEUTg12norFIT<-ugarchfit(spec=SEUTg12nor,data=datSEUTretINSA SEUTg12norFIT
SEUTg21norFIT<-ugarchfit(spec=SEUTg21nor,data=datSEUTretINSA SEUTg21norFIT
SEUTi11norFIT<-ugarchfit(spec=SEUTi11nor,data=datSEUTretINSA SEUTi11norFIT
SEUTi22norFIT<-ugarchfit(spec=SEUTi22nor,data=datSEUTretINSA SEUTi22norFIT
SEUTi12norFIT<-ugarchfit(spec=SEUTi12nor,data=datSEUTretINSA SEUTi12norFIT
SEUTi21norFIT<-ugarchfit(spec=SEUTi21nor,data=datSEUTretINSA SEUTi21norFIT
SEUTc11norFIT<-ugarchfit(spec=SEUTc11nor,data=datSEUTretINSA SEUTc11norFIT
SEUTc22norFIT<-ugarchfit(spec=SEUTc22nor,data=datSEUTretINSA SEUTc22norFIT
SEUTc12norFIT<-ugarchfit(spec=SEUTc12nor,data=datSEUTretINSA SEUTc12norFIT
SEUTc21norFIT<-ugarchfit(spec=SEUTc21nor,data=datSEUTretINSA SEUTc21norFIT

##Industrial Transportation FIT
SETRs11gedFIT<-ugarchfit(spec=SETRs11ged,data=datSETRretINSA SETRs11gedFIT
SETRs22gedFIT<-ugarchfit(spec=SETRs22ged,data=datSETRretINSA SETRs22gedFIT
SETRs12gedFIT<-ugarchfit(spec=SETRs12ged,data=datSETRretINSA SETRs12gedFIT
SETRs21gedFIT<-ugarchfit(spec=SETRs21ged,data=datSETRretINSA SETRs21gedFIT
SETRe11gedFIT<-ugarchfit(spec=SETRe11ged,data=datSETRretINSA SETRe11gedFIT
SETRe22gedFIT<-ugarchfit(spec=SETRe22ged,data=datSETRretINSA SETRe22gedFIT
SETRe12gedFIT<-ugarchfit(spec=SETRe12ged,data=datSETRretINSA SETRe12gedFIT
SETRe21gedFIT<-ugarchfit(spec=SETRe21ged,data=datSETRretINSA SETRe21gedFIT
SETRg11gedFIT<-ugarchfit(spec=SETRg11ged,data=datSETRretINSA SETRg11gedFIT
SETRg22gedFIT<-ugarchfit(spec=SETRg22ged,data=datSETRretINSA SETRg22gedFIT
SETRg12gedFIT<-ugarchfit(spec=SETRg12ged,data=datSETRretINSA SETRg12gedFIT
SETRg21gedFIT<-ugarchfit(spec=SETRg21ged,data=datSETRretINSA SETRg21gedFIT
SETRi11gedFIT<-ugarchfit(spec=SETRi11ged,data=datSETRretINSA SETRi11gedFIT
SETRi22gedFIT<-ugarchfit(spec=SETRi22ged,data=datSETRretINSA SETRi22gedFIT
SETRi12gedFIT<-ugarchfit(spec=SETRi12ged,data=datSETRretINSA SETRi12gedFIT
SETRi21gedFIT<-ugarchfit(spec=SETRi21ged,data=datSETRretINSA SETRi21gedFIT
SETRc11gedFIT<-ugarchfit(spec=SETRc11ged,data=datSETRretINSA SETRc11gedFIT
SETRc22gedFIT<-ugarchfit(spec=SETRc22ged,data=datSETRretINSA SETRc22gedFIT
SETRc12gedFIT<-ugarchfit(spec=SETRc12ged,data=datSETRretINSA SETRc12gedFIT
SETRc21gedFIT<-ugarchfit(spec=SETRc21ged,data=datSETRretINSA SETRc21gedFIT

SETRs11stdFIT<-ugarchfit(spec=SETRs11std,data=datSETRretINSA SETRs11stdFIT
SETRs22stdFIT<-ugarchfit(spec=SETRs22std,data=datSETRretINSA SETRs22stdFIT
SETRs12stdFIT<-ugarchfit(spec=SETRs12std,data=datSETRretINSA SETRs12stdFIT
SETRs21stdFIT<-ugarchfit(spec=SETRs21std,data=datSETRretINSA SETRs21stdFIT
SETRe11stdFIT<-ugarchfit(spec=SETRe11std,data=datSETRretINSA SETRe11stdFIT
SETRe22stdFIT<-ugarchfit(spec=SETRe22std,data=datSETRretINSA SETRe22stdFIT
SETRe12stdFIT<-ugarchfit(spec=SETRe12std,data=datSETRretINSA SETRe12stdFIT
SETRe21stdFIT<-ugarchfit(spec=SETRe21std,data=datSETRretINSA SETRe21stdFIT
SETRg11stdFIT<-ugarchfit(spec=SETRg11std,data=datSETRretINSA SETRg11stdFIT
SETRg22stdFIT<-ugarchfit(spec=SETRg22std,data=datSETRretINSA SETRg22stdFIT
SETRe12stdFIT<-ugarchfit(spec=SETRe12std,data=datSETRretINSA SETRg12stdFIT
SETRe21stdFIT<-ugarchfit(spec=SETRe21std,data=datSETRretINSA SETRg21stdFIT
SETRi11stdFIT<-ugarchfit(spec=SETRi11std,data=datSETRretINSA SETRi11stdFIT
SETRi22stdFIT<-ugarchfit(spec=SETRi22std,data=datSETRretINSA SETRi22stdFIT
SETRi12stdFIT<-ugarchfit(spec=SETRi12std,data=datSETRretINSA SETRi12stdFIT
SETRi21stdFIT<-ugarchfit(spec=SETRi21std,data=datSETRretINSA SETRi21stdFIT
SETRc11stdFIT<-ugarchfit(spec=SETRc11std,data=datSETRretINSA SETRc11stdFIT
SETRc22stdFIT<-ugarchfit(spec=SETRc22std,data=datSETRretINSA SETRc22stdFIT
SETRc12stdFIT<-ugarchfit(spec=SETRc12std,data=datSETRretINSA SETRc12stdFIT
SETRc21stdFIT<-ugarchfit(spec=SETRc21std,data=datSETRretINSA SETRc21stdFIT

SETRs11norFIT<-ugarchfit(spec=SETRs11nor,data=datSETRretINSA SETRs11norFIT
SETRs22norFIT<-ugarchfit(spec=SETRs22nor,data=datSETRretINSA SETRs22norFIT
SETRs12norFIT<-ugarchfit(spec=SETRs12nor,data=datSETRretINSA SETRs12norFIT
SETRs21norFIT<-ugarchfit(spec=SETRs21nor,data=datSETRretINSA SETRs21norFIT
SETRe11norFIT<-ugarchfit(spec=SETRe11nor,data=datSETRretINSA SETRe11norFIT
SETRe22norFIT<-ugarchfit(spec=SETRe22nor,data=datSETRretINSA SETRe22norFIT
SETRe12norFIT<-ugarchfit(spec=SETRe12nor,data=datSETRretINSA SETRe12norFIT
SETRe21norFIT<-ugarchfit(spec=SETRe21nor,data=datSETRretINSA SETRe21norFIT
SETRg11norFIT<-ugarchfit(spec=SETRg11nor,data=datSETRretINSA SETRg11norFIT
SETRg22norFIT<-ugarchfit(spec=SETRg22nor,data=datSETRretINSA SETRg22norFIT
SETRg12norFIT<-ugarchfit(spec=SETRg12nor,data=datSETRretINSA SETRg12norFIT
SETRg21norFIT<-ugarchfit(spec=SETRg21nor,data=datSETRretINSA SETRg21norFIT
```

```
SETRi11norFIT<-ugarchfit(spec=SETRi11nor,data=datSETRretINSA SETRi11norFIT
SETRi12norFIT<-ugarchfit(spec=SETRi12nor,data=datSETRretINSA SETRi12norFIT
SETRi11norFIT<-ugarchfit(spec=SETRi11nor,data=datSETRretINSA SETRi12norFIT
SETRi21norFIT<-ugarchfit(spec=SETRi21nor,data=datSETRretINSA SETRi21norFIT
SETRc11norFIT<-ugarchfit(spec=SETRc11nor,data=datSETRretINSA SETRc11norFIT
SETRc22norFIT<-ugarchfit(spec=SETRc22nor,data=datSETRretINSA SETRc22norFIT
SETRc12norFIT<-ugarchfit(spec=SETRc12nor,data=datSETRretINSA SETRc12norFIT
SETRc21norFIT<-ugarchfit(spec=SETRc21nor,data=datSETRretINSA SETRc21norFIT

##Mobile TelecommunicationFIT
SEMOs11gedFIT<-ugarchfit(spec=SEMOs11ged,data=datSEMOretINSA SEMOs11gedFIT
SEMOs22gedFIT<-ugarchfit(spec=SEMOs22ged,data=datSEMOretINSA SEMOs22gedFIT
SEMOs12gedFIT<-ugarchfit(spec=SEMOs12ged,data=datSEMOretINSA SEMOs12gedFIT
SEMOs21gedFIT<-ugarchfit(spec=SEMOs21ged,data=datSEMOretINSA SEMOs21gedFIT
SEMOe11gedFIT<-ugarchfit(spec=SEMOe11eed,data=datSEMOretINSA SEMOe11gedFIT
SEMOe22gedFIT<-ugarchfit(spec=SEMOe22eed,data=datSEMOretINSA SEMOe22gedFIT
SEMOe12gedFIT<-ugarchfit(spec=SEMOe12eed,data=datSEMOretINSA SEMOe12gedFIT
SEMOe21gedFIT<-ugarchfit(spec=SEMOe21eed,data=datSEMOretINSA SEMOe21gedFIT
SEMOg11gedFIT<-ugarchfit(spec=SEMOg11eed,data=datSEMOretINSA SEMOg11gedFIT
SEMOg22gedFIT<-ugarchfit(spec=SEMOg22eed,data=datSEMOretINSA SEMOg22gedFIT
SEMOg12gedFIT<-ugarchfit(spec=SEMOg12eed,data=datSEMOretINSA SEMOg12gedFIT
SEMOg21gedFIT<-ugarchfit(spec=SEMOg21eed,data=datSEMOretINSA SEMOg21gedFIT
SEMOi11gedFIT<-ugarchfit(spec=SEMOi11ged,data=datSEMOretINSA SEMOi11gedFIT
SEMOi22gedFIT<-ugarchfit(spec=SEMOi22ged,data=datSEMOretINSA SEMOi22gedFIT
SEMOi12gedFIT<-ugarchfit(spec=SEMOi12ged,data=datSEMOretINSA SEMOi12gedFIT
SEMOi21gedFIT<-ugarchfit(spec=SEMOi21ged,data=datSEMOretINSA SEMOi21gedFIT
SEMOc11gedFIT<-ugarchfit(spec=SEMOc11eed,data=datSEMOretINSA SEMOc11gedFIT
SEMOc22gedFIT<-ugarchfit(spec=SEMOc22eed,data=datSEMOretINSA SEMOc22gedFIT
SEMOc12gedFIT<-ugarchfit(spec=SEMOc12eed,data=datSEMOretINSA SEMOc12gedFIT
SEMOc21gedFIT<-ugarchfit(spec=SEMOc21eed,data=datSEMOretINSA SEMOc21gedFIT

SEMOs11stdFIT<-ugarchfit(spec=SEMOs11std,data=datSEMOretINSA SEMOs11stdFIT
SEMOs22stdFIT<-ugarchfit(spec=SEMOs22std,data=datSEMOretINSA SEMOs22stdFIT
SEMOs12stdFIT<-ugarchfit(spec=SEMOs12std,data=datSEMOretINSA SEMOs12stdFIT
SEMOs21stdFIT<-ugarchfit(spec=SEMOs21std,data=datSEMOretINSA SEMOs21stdFIT
SEMOe11stdFIT<-ugarchfit(spec=SEMOe11std,data=datSEMOretINSA SEMOe11stdFIT
SEMOe22stdFIT<-ugarchfit(spec=SEMOe22std,data=datSEMOretINSA SEMOe22stdFIT
SEMOe12stdFIT<-ugarchfit(spec=SEMOe12std,data=datSEMOretINSA SEMOe12stdFIT
SEMOe21stdFIT<-ugarchfit(spec=SEMOe21std,data=datSEMOretINSA SEMOe21stdFIT
SEMOg11stdFIT<-ugarchfit(spec=SEMOg11std,data=datSEMOretINSA SEMOg11stdFIT
SEMOe22stdFIT<-ugarchfit(spec=SEMOe22std,data=datSEMOretINSA SEMOg22stdFIT
SEMOe12stdFIT<-ugarchfit(spec=SEMOe12std,data=datSEMOretINSA SEMOg12stdFIT
SEMOe21stdFIT<-ugarchfit(spec=SEMOe21std,data=datSEMOretINSA SEMOg21stdFIT
SEMOi11stdFIT<-ugarchfit(spec=SEMOi11std,data=datSEMOretINSA SEMOi11stdFIT
SEMOi22stdFIT<-ugarchfit(spec=SEMOi22std,data=datSEMOretINSA SEMOi22stdFIT
SEMOi12stdFIT<-ugarchfit(spec=SEMOi12std,data=datSEMOretINSA SEMOi12stdFIT
SEMOi21stdFIT<-ugarchfit(spec=SEMOi21std,data=datSEMOretINSA SEMOi21stdFIT
SEMOc11stdFIT<-ugarchfit(spec=SEMOc11std,data=datSEMOretINSA SEMOc11stdFIT
SEMOc22stdFIT<-ugarchfit(spec=SEMOc22std,data=datSEMOretINSA SEMOc22stdFIT
SEMOc12stdFIT<-ugarchfit(spec=SEMOc12std,data=datSEMOretINSA SEMOc12stdFIT
SEMOc21stdFIT<-ugarchfit(spec=SEMOc21std,data=datSEMOretINSA SEMOc21stdFIT

SEMOs11norFIT<-ugarchfit(spec=SEMOs11nor,data=datSEMOretINSA SEMOs11norFIT
SEMOs22norFIT<-ugarchfit(spec=SEMOs22nor,data=datSEMOretINSA SEMOs22norFIT
SEMOs12norFIT<-ugarchfit(spec=SEMOs12nor,data=datSEMOretINSA SEMOs12norFIT
SEMOs21norFIT<-ugarchfit(spec=SEMOs21nor,data=datSEMOretINSA SEMOs21norFIT
SEMOe11norFIT<-ugarchfit(spec=SEMOe11nor,data=datSEMOretINSA SEMOe11norFIT
SEMOe22norFIT<-ugarchfit(spec=SEMOe22nor,data=datSEMOretINSA SEMOe22norFIT
SEMOe12norFIT<-ugarchfit(spec=SEMOe12nor,data=datSEMOretINSA SEMOe12norFIT
SEMOe21norFIT<-ugarchfit(spec=SEMOe21nor,data=datSEMOretINSA SEMOe21norFIT
SEMOg11norFIT<-ugarchfit(spec=SEMOg11nor,data=datSEMOretINSA SEMOg11norFIT
SEMOg22norFIT<-ugarchfit(spec=SEMOg22nor,data=datSEMOretINSA SEMOg22norFIT
SEMOg12norFIT<-ugarchfit(spec=SEMOg12nor,data=datSEMOretINSA SEMOg12norFIT
SEMOg21norFIT<-ugarchfit(spec=SEMOg21nor,data=datSEMOretINSA SEMOg21norFIT
SEMOi11norFIT<-ugarchfit(spec=SEMOi11nor,data=datSEMOretINSA SEMOi11norFIT
SEMOi22norFIT<-ugarchfit(spec=SEMOi22nor,data=datSEMOretINSA SEMOi22norFIT
SEMOi12norFIT<-ugarchfit(spec=SEMOi12nor,data=datSEMOretINSA SEMOi12norFIT
SEMOi21norFIT<-ugarchfit(spec=SEMOi21nor,data=datSEMOretINSA SEMOi21norFIT
SEMOc11norFIT<-ugarchfit(spec=SEMOc11nor,data=datSEMOretINSA SEMOc11norFIT
SEMOc22norFIT<-ugarchfit(spec=SEMOc22nor,data=datSEMOretINSA SEMOc22norFIT
SEMOc12norFIT<-ugarchfit(spec=SEMOc12nor,data=datSEMOretINSA SEMOc12norFIT
SEMOc21norFIT<-ugarchfit(spec=SEMOc21nor,data=datSEMOretINSA SEMOc21norFIT

##Oil and Gas FIT
SEOGs11gedFIT<-ugarchfit(spec=SEOGs11ged,data=datSEOGretINSA SEOGs11gedFIT
SEOGs22gedFIT<-ugarchfit(spec=SEOGs22ged,data=datSEOGretINSA SEOGs22gedFIT
SEOGs12gedFIT<-ugarchfit(spec=SEOGs12ged,data=datSEOGretINSA SEOGs12gedFIT
SEOGs21gedFIT<-ugarchfit(spec=SEOGs21ged,data=datSEOGretINSA SEOGs21gedFIT
SEOGe11gedFIT<-ugarchfit(spec=SEOGe11eed,data=datSEOGretINSA SEOGe11gedFIT
SEOGe22gedFIT<-ugarchfit(spec=SEOGe22eed,data=datSEOGretINSA SEOGe22gedFIT
SEOGe12gedFIT<-ugarchfit(spec=SEOGe12eed,data=datSEOGretINSA SEOGe12gedFIT
SEOGe21gedFIT<-ugarchfit(spec=SEOGe21eed,data=datSEOGretINSA SEOGe21gedFIT
SEOGa11gedFIT<-ugarchfit(spec=SEOGa11eed,data=datSEOGretINSA SEOGa11gedFIT
SEOGa22gedFIT<-ugarchfit(spec=SEOGa22eed,data=datSEOGretINSA SEOGa22gedFIT
SEOGa12gedFIT<-ugarchfit(spec=SEOGa12eed,data=datSEOGretINSA SEOGa12gedFIT
SEOGa21gedFIT<-ugarchfit(spec=SEOGa21eed,data=datSEOGretINSA SEOGa21gedFIT
SEOGi11gedFIT<-ugarchfit(spec=SEOGi11ged,data=datSEOGretINSA SEOGi11gedFIT
SEOGi22gedFIT<-ugarchfit(spec=SEOGi22ged,data=datSEOGretINSA SEOGi22gedFIT
SEOGi12gedFIT<-ugarchfit(spec=SEOGi12ged,data=datSEOGretINSA SEOGi12gedFIT
SEOGi21gedFIT<-ugarchfit(spec=SEOGi21ged,data=datSEOGretINSA SEOGi21gedFIT
SEOGc11gedFIT<-ugarchfit(spec=SEOGc11eed,data=datSEOGretINSA SEOGc11gedFIT
SEOGc22gedFIT<-ugarchfit(spec=SEOGc22eed,data=datSEOGretINSA SEOGc22gedFIT
SEOGc12gedFIT<-ugarchfit(spec=SEOGc12eed,data=datSEOGretINSA SEOGc12gedFIT
SEOGc21gedFIT<-ugarchfit(spec=SEOGc21eed,data=datSEOGretINSA SEOGc21gedFIT

SEOGs11stdFIT<-ugarchfit(spec=SEOGs11std,data=datSEOGretINSA SEOGs11stdFIT
SEOGs22stdFIT<-ugarchfit(spec=SEOGs22std,data=datSEOGretINSA SEOGs22stdFIT
SEOGs12stdFIT<-ugarchfit(spec=SEOGs12std,data=datSEOGretINSA SEOGs12stdFIT
SEOGs21stdFIT<-ugarchfit(spec=SEOGs21std,data=datSEOGretINSA SEOGs21stdFIT
SEOGe11stdFIT<-ugarchfit(spec=SEOGe11std,data=datSEOGretINSA SEOGe11stdFIT
SEOGe22stdFIT<-ugarchfit(spec=SEOGe22std,data=datSEOGretINSA SEOGe22stdFIT
SEOGe12stdFIT<-ugarchfit(spec=SEOGe12std,data=datSEOGretINSA SEOGe12stdFIT
SEOGe21stdFIT<-ugarchfit(spec=SEOGe21std,data=datSEOGretINSA SEOGe21stdFIT
SEOGg11stdFIT<-ugarchfit(spec=SEOGg11std,data=datSEOGretINSA SEOGg11stdFIT
SEOGg22stdFIT<-ugarchfit(spec=SEOGg22std,data=datSEOGretINSA SEOGg22stdFIT
SEOGg12stdFIT<-ugarchfit(spec=SEOGg12std,data=datSEOGretINSA SEOGg12stdFIT
SEOGa21stdFIT<-ugarchfit(spec=SEOGa21std,data=datSEOGretINSA SEOGa21stdFIT
SEOGi11stdFIT<-ugarchfit(spec=SEOGi11std,data=datSEOGretINSA SEOGi11stdFIT
SEOGi22stdFIT<-ugarchfit(spec=SEOGi22std,data=datSEOGretINSA SEOGi22stdFIT
SEOGi12stdFIT<-ugarchfit(spec=SEOGi12std,data=datSEOGretINSA SEOGi12stdFIT
SEOGi21stdFIT<-ugarchfit(spec=SEOGi21std,data=datSEOGretINSA SEOGi21stdFIT
SEOGc11stdFIT<-ugarchfit(spec=SEOGc11std,data=datSEOGretINSA SEOGc11stdFIT
SEOGc22stdFIT<-ugarchfit(spec=SEOGc22std,data=datSEOGretINSA SEOGc22stdFIT
SEOGc12stdFIT<-ugarchfit(spec=SEOGc12std,data=datSEOGretINSA SEOGc12stdFIT
SEOGc21stdFIT<-ugarchfit(spec=SEOGc21std,data=datSEOGretINSA SEOGc21stdFIT

SEOGs11norFIT<-ugarchfit(spec=SEOGs11nor,data=datSEOGretINSA SEOGs11norFIT
SEOGs22norFIT<-ugarchfit(spec=SEOGs22nor,data=datSEOGretINSA SEOGs22norFIT
SEOGs12norFIT<-ugarchfit(spec=SEOGs12nor,data=datSEOGretINSA SEOGs12norFIT
SEOGs21norFIT<-ugarchfit(spec=SEOGs21nor,data=datSEOGretINSA SEOGs21norFIT
SEOGe11norFIT<-ugarchfit(spec=SEOGe11nor,data=datSEOGretINSA SEOGe11norFIT
SEOGe22norFIT<-ugarchfit(spec=SEOGe22nor,data=datSEOGretINSA SEOGe22norFIT
SEOGe12norFIT<-ugarchfit(spec=SEOGe12nor,data=datSEOGretINSA SEOGe12norFIT
SEOGe21norFIT<-ugarchfit(spec=SEOGe21nor,data=datSEOGretINSA SEOGe21norFIT
SEOGa11norFIT<-ugarchfit(spec=SEOGa11nor,data=datSEOGretINSA SEOGg11norFIT
SEOGe22norFIT<-ugarchfit(spec=SEOGe22nor,data=datSEOGretINSA SEOGg22norFIT
SEOGg12norFIT<-ugarchfit(spec=SEOGg12nor,data=datSEOGretINSA SEOGg12norFIT
SEOGg21norFIT<-ugarchfit(spec=SEOGg21nor,data=datSEOGretINSA SEOGg21norFIT
SEOGi11norFIT<-ugarchfit(spec=SEOGi11nor,data=datSEOGretINSA SEOGi11norFIT
SEOGi22norFIT<-ugarchfit(spec=SEOGi22nor,data=datSEOGretINSA SEOGi22norFIT
SEOGi12norFIT<-ugarchfit(spec=SEOGi12nor,data=datSEOGretINSA SEOGi12norFIT
SEOGi21norFIT<-ugarchfit(spec=SEOGi21nor,data=datSEOGretINSA SEOGi21norFIT
SEOGc11norFIT<-ugarchfit(spec=SEOGc11nor,data=datSEOGretINSA SEOGc11norFIT
SEOGc22norFIT<-ugarchfit(spec=SEOGc22nor,data=datSEOGretINSA SEOGc22norFIT
SEOGc12norFIT<-ugarchfit(spec=SEOGc12nor,data=datSEOGretINSA SEOGc12norFIT
SEOGc21norFIT<-ugarchfit(spec=SEOGc21nor,data=datSEOGretINSA SEOGc21norFIT

##Oil Equipment
SEOEs11gedFIT<-ugarchfit(spec=SEOEs11ged,data=datSEOEretINSA SEOEs11gedFIT
SEOEs22gedFIT<-ugarchfit(spec=SEOEs22ged,data=datSEOEretINSA SEOEs22gedFIT
SEOEs12gedFIT<-ugarchfit(spec=SEOEs12ged,data=datSEOEretINSA SEOEs12gedFIT
SEOEs21gedFIT<-ugarchfit(spec=SEOEs21ged,data=datSEOEretINSA SEOEs21gedFIT
SEOEe11gedFIT<-ugarchfit(spec=SEOEe11eed,data=datSEOEretINSA SEOEe11gedFIT
SEOEe22gedFIT<-ugarchfit(spec=SEOEe22eed,data=datSEOEretINSA SEOEe22gedFIT
SEOEe12gedFIT<-ugarchfit(spec=SEOEe12eed,data=datSEOEretINSA SEOEe12gedFIT
SEOEe21gedFIT<-ugarchfit(spec=SEOEe21eed,data=datSEOEretINSA SEOEe21gedFIT
SEOEa11gedFIT<-ugarchfit(spec=SEOEa11eed,data=datSEOEretINSA SEOEg11gedFIT
SEOEa22gedFIT<-ugarchfit(spec=SEOEa22eed,data=datSEOEretINSA SEOEg22gedFIT
SEOEa12gedFIT<-ugarchfit(spec=SEOEa12eed,data=datSEOEretINSA SEOEg12gedFIT
SEOEa21gedFIT<-ugarchfit(spec=SEOEa21eed,data=datSEOEretINSA SEOEg21gedFIT
SEOEi11gedFIT<-ugarchfit(spec=SEOEi11eed,data=datSEOEretINSA SEOEi11gedFIT
SEOEi22gedFIT<-ugarchfit(spec=SEOEi22eed,data=datSEOEretINSA SEOEi22gedFIT
SEOEi12gedFIT<-ugarchfit(spec=SEOEi12eed,data=datSEOEretINSA SEOEi12gedFIT
SEOEi21gedFIT<-ugarchfit(spec=SEOEi21eed,data=datSEOEretINSA SEOEi21gedFIT
SEOEc11gedFIT<-ugarchfit(spec=SEOEc11eed,data=datSEOEretINSA SEOEc11gedFIT
SEOEc22gedFIT<-ugarchfit(spec=SEOEc22eed,data=datSEOEretINSA SEOEc22gedFIT
SEOEc12gedFIT<-ugarchfit(spec=SEOEc12eed,data=datSEOEretINSA SEOEc12gedFIT
SEOEc21gedFIT<-ugarchfit(spec=SEOEc21eed,data=datSEOEretINSA SEOEc21gedFIT

SEOEs11stdFIT<-ugarchfit(spec=SEOEs11std,data=datSEOEretINSA SEOEs11stdFIT
SEOEs22stdFIT<-ugarchfit(spec=SEOEs22std,data=datSEOEretINSA SEOEs22stdFIT
SEOEs12stdFIT<-ugarchfit(spec=SEOEs12std,data=datSEOEretINSA SEOEs12stdFIT
SEOEs21stdFIT<-ugarchfit(spec=SEOEs21std,data=datSEOEretINSA SEOEs21stdFIT
SEOEe11stdFIT<-ugarchfit(spec=SEOEe11std,data=datSEOEretINSA SEOEe11stdFIT
SEOEe22stdFIT<-ugarchfit(spec=SEOEe22std,data=datSEOEretINSA SEOEe22stdFIT
SEOEe12stdFIT<-ugarchfit(spec=SEOEe12std,data=datSEOEretINSA SEOEe12stdFIT
SEOEe21stdFIT<-ugarchfit(spec=SEOEe21std,data=datSEOEretINSA SEOEe21stdFIT
SEOEg11stdFIT<-ugarchfit(spec=SEOEg11std,data=datSEOEretINSA SEOEg11stdFIT
SEOEg22stdFIT<-ugarchfit(spec=SEOEg22std,data=datSEOEretINSA SEOEg22stdFIT
SEOEg12stdFIT<-ugarchfit(spec=SEOEg12std,data=datSEOEretINSA SEOEg12stdFIT
SEOEg21stdFIT<-ugarchfit(spec=SEOEg21std,data=datSEOEretINSA SEOEg21stdFIT
SEOEi11stdFIT<-ugarchfit(spec=SEOEi11std,data=datSEOEretINSA SEOEi11stdFIT
SEOEi22stdFIT<-ugarchfit(spec=SEOEi22std,data=datSEOEretINSA SEOEi22stdFIT
SEOEi12stdFIT<-ugarchfit(spec=SEOEi12std,data=datSEOEretINSA SEOEi12stdFIT
SEOEi21stdFIT<-ugarchfit(spec=SEOEi21std,data=datSEOEretINSA SEOEi21stdFIT
SEOEc11stdFIT<-ugarchfit(spec=SEOEc11std,data=datSEOEretINSA SEOEc11stdFIT
SEOEc22stdFIT<-ugarchfit(spec=SEOEc22std,data=datSEOEretINSA SEOEc22stdFIT
SEOEc12stdFIT<-ugarchfit(spec=SEOEc12std,data=datSEOEretINSA SEOEc12stdFIT
SEOEc21stdFIT<-ugarchfit(spec=SEOEc21std,data=datSEOEretINSA SEOEc21stdFIT

SEOEs11norFIT<-ugarchfit(spec=SEOEs11nor,data=datSEOEretINSA SEOEs11norFIT
SEOEs22norFIT<-ugarchfit(spec=SEOEs22nor,data=datSEOEretINSA SEOEs22norFIT
SEOEs12norFIT<-ugarchfit(spec=SEOEs12nor,data=datSEOEretINSA SEOEs12norFIT
SEOEs21norFIT<-ugarchfit(spec=SEOEs21nor,data=datSEOEretINSA SEOEs21norFIT
SEOEe11norFIT<-ugarchfit(spec=SEOEe11nor,data=datSEOEretINSA SEOEe11norFIT
SEOEe22norFIT<-ugarchfit(spec=SEOEe22nor,data=datSEOEretINSA SEOEe22norFIT
SEOEe12norFIT<-ugarchfit(spec=SEOEe12nor,data=datSEOEretINSA SEOEe12norFIT
SEOEe21norFIT<-ugarchfit(spec=SEOEe21nor,data=datSEOEretINSA SEOEe21norFIT
SEOEa11norFIT<-ugarchfit(spec=SEOEa11nor,data=datSEOEretINSA SEOEg11norFIT
SEOEe22norFIT<-ugarchfit(spec=SEOEe22nor,data=datSEOEretINSA SEOEg22norFIT
SEOEe12norFIT<-ugarchfit(spec=SEOEe12nor,data=datSEOEretINSA SEOEg12norFIT
SEOEg21norFIT<-ugarchfit(spec=SEOEg21nor,data=datSEOEretINSA SEOEg21norFIT
SEOEi11norFIT<-ugarchfit(spec=SEOEi11nor,data=datSEOEretINSA SEOEi11norFIT
SEOEi22norFIT<-ugarchfit(spec=SEOEi22nor,data=datSEOEretINSA SEOEi22norFIT
SEOEi12norFIT<-ugarchfit(spec=SEOEi12nor,data=datSEOEretINSA SEOEi12norFIT
```

```
SEOEi21norFIT<-ugarchfit(spec=SEOEi21nor,data=datSEOEretINSA SEOEi21norFIT
SEOEc11norFIT<-ugarchfit(spec=SEOEc11nor,data=datSEOEretINSA SEOEc11norFIT
SEOEc22norFIT<-ugarchfit(spec=SEOEc22nor,data=datSEOEretINSA SEOEc22norFIT
SEOEc12norFIT<-ugarchfit(spec=SEOEc12nor,data=datSEOEretINSA SEOEc12norFIT
SEOEc21norFIT<-ugarchfit(spec=SEOEc21nor,data=datSEOEretINSA SEOEc21norFIT

##AirlinesFIT
SEAIs11gedFIT<-ugarchfit(spec=SEAIs11ged,data=datSEAIretINSA SEAIs11gedFIT
SEAIs22gedFIT<-ugarchfit(spec=SEAIs22ged,data=datSEAIretINSA SEAIs22gedFIT
SEAIs12gedFIT<-ugarchfit(spec=SEAIs12ged,data=datSEAIretINSA SEAIs12gedFIT
SEAIs21gedFIT<-ugarchfit(spec=SEAIs21ged,data=datSEAIretINSA SEAIs21gedFIT
SEAIe11gedFIT<-ugarchfit(spec=SEAIe11ged,data=datSEAIretINSA SEAIe11gedFIT
SEAIe22gedFIT<-ugarchfit(spec=SEAIe22ged,data=datSEAIretINSA SEAIe22gedFIT
SEAIe12gedFIT<-ugarchfit(spec=SEAIe12ged,data=datSEAIretINSA SEAIe12gedFIT
SEAIe21gedFIT<-ugarchfit(spec=SEAIe21ged,data=datSEAIretINSA SEAIe21gedFIT
SEAIi11gedFIT<-ugarchfit(spec=SEAIi11ged,data=datSEAIretINSA SEAIi11gedFIT
SEAIi22gedFIT<-ugarchfit(spec=SEAIi22ged,data=datSEAIretINSA SEAIi22gedFIT
SEAIi12gedFIT<-ugarchfit(spec=SEAIi12ged,data=datSEAIretINSA SEAIi12gedFIT
SEAIi21gedFIT<-ugarchfit(spec=SEAIi21ged,data=datSEAIretINSA SEAIi21gedFIT
SEAIc11gedFIT<-ugarchfit(spec=SEAIc11ged,data=datSEAIretINSA SEAIc11gedFIT
SEAIc22gedFIT<-ugarchfit(spec=SEAIc22ged,data=datSEAIretINSA SEAIc22gedFIT
SEAIc12gedFIT<-ugarchfit(spec=SEAIc12ged,data=datSEAIretINSA SEAIc12gedFIT
SEAIc21gedFIT<-ugarchfit(spec=SEAIc21ged,data=datSEAIretINSA SEAIc21gedFIT

SEAIs11stdFIT<-ugarchfit(spec=SEAIs11std,data=datSEAIretINSA SEAIs11stdFIT
SEAIs22stdFIT<-ugarchfit(spec=SEAIs22std,data=datSEAIretINSA SEAIs22stdFIT
SEAIs12stdFIT<-ugarchfit(spec=SEAIs12std,data=datSEAIretINSA SEAIs12stdFIT
SEAIs21stdFIT<-ugarchfit(spec=SEAIs21std,data=datSEAIretINSA SEAIs21stdFIT
SEAIe11stdFIT<-ugarchfit(spec=SEAIe11std,data=datSEAIretINSA SEAIe11stdFIT
SEAIe22stdFIT<-ugarchfit(spec=SEAIe22std,data=datSEAIretINSA SEAIe22stdFIT
SEAIe12stdFIT<-ugarchfit(spec=SEAIe12std,data=datSEAIretINSA SEAIe12stdFIT
SEAIe21stdFIT<-ugarchfit(spec=SEAIe21std,data=datSEAIretINSA SEAIe21stdFIT
SEAIg11stdFIT<-ugarchfit(spec=SEAIg11std,data=datSEAIretINSA SEAIg11stdFIT
SEAIg22stdFIT<-ugarchfit(spec=SEAIg22std,data=datSEAIretINSA SEAIg22stdFIT
SEAIg12stdFIT<-ugarchfit(spec=SEAIg12std,data=datSEAIretINSA SEAIg12stdFIT
SEAIg21stdFIT<-ugarchfit(spec=SEAIg21std,data=datSEAIretINSA SEAIg21stdFIT
SEAIi11stdFIT<-ugarchfit(spec=SEAIi11std,data=datSEAIretINSA SEAIi11stdFIT
SEAIi22stdFIT<-ugarchfit(spec=SEAIi22std,data=datSEAIretINSA SEAIi22stdFIT
SEAIi12stdFIT<-ugarchfit(spec=SEAIi12std,data=datSEAIretINSA SEAIi12stdFIT
SEAIi21stdFIT<-ugarchfit(spec=SEAIi21std,data=datSEAIretINSA SEAIi21stdFIT
SEAIc11stdFIT<-ugarchfit(spec=SEAIc11std,data=datSEAIretINSA SEAIc11stdFIT
SEAIc22stdFIT<-ugarchfit(spec=SEAIc22std,data=datSEAIretINSA SEAIc22stdFIT
SEAIc12stdFIT<-ugarchfit(spec=SEAIc12std,data=datSEAIretINSA SEAIc12stdFIT
SEAIc21stdFIT<-ugarchfit(spec=SEAIc21std,data=datSEAIretINSA SEAIc21stdFIT

SEAIs11norFIT<-ugarchfit(spec=SEAIs11nor,data=datSEAIretINSA SEAIs11norFIT
SEAIs22norFIT<-ugarchfit(spec=SEAIs22nor,data=datSEAIretINSA SEAIs22norFIT
SEAIs12norFIT<-ugarchfit(spec=SEAIs12nor,data=datSEAIretINSA SEAIs12norFIT
SEAIs21norFIT<-ugarchfit(spec=SEAIs21nor,data=datSEAIretINSA SEAIs21norFIT
SEAIe11norFIT<-ugarchfit(spec=SEAIe11nor,data=datSEAIretINSA SEAIe11norFIT
SEAIe22norFIT<-ugarchfit(spec=SEAIe22nor,data=datSEAIretINSA SEAIe22norFIT
SEAIe12norFIT<-ugarchfit(spec=SEAIe12nor,data=datSEAIretINSA SEAIe12norFIT
SEAIe21norFIT<-ugarchfit(spec=SEAIe21nor,data=datSEAIretINSA SEAIe21norFIT
SEAIg11norFIT<-ugarchfit(spec=SEAIg11nor,data=datSEAIretINSA SEAIg11norFIT
SEAIg22norFIT<-ugarchfit(spec=SEAIg22nor,data=datSEAIretINSA SEAIg22norFIT
SEAIg12norFIT<-ugarchfit(spec=SEAIg12nor,data=datSEAIretINSA SEAIg12norFIT
SEAIg21norFIT<-ugarchfit(spec=SEAIg21nor,data=datSEAIretINSA SEAIg21norFIT
SEAIi11norFIT<-ugarchfit(spec=SEAIi11nor,data=datSEAIretINSA SEAIi11norFIT
SEAIi22norFIT<-ugarchfit(spec=SEAIi22nor,data=datSEAIretINSA SEAIi22norFIT
SEAIi12norFIT<-ugarchfit(spec=SEAIi12nor,data=datSEAIretINSA SEAIi12norFIT
SEAIi21norFIT<-ugarchfit(spec=SEAIi21nor,data=datSEAIretINSA SEAIi21norFIT
SEAIc11norFIT<-ugarchfit(spec=SEAIc11nor,data=datSEAIretINSA SEAIc11norFIT
SEAIc22norFIT<-ugarchfit(spec=SEAIc22nor,data=datSEAIretINSA SEAIc22norFIT
SEAIc12norFIT<-ugarchfit(spec=SEAIc12nor,data=datSEAIretINSA SEAIc12norFIT
SEAIc21norFIT<-ugarchfit(spec=SEAIc21nor,data=datSEAIretINSA SEAIc21norFIT

##Real Estate Ivestment and ServciesFIT
SEISs11gedFIT<-ugarchfit(spec=SEISs11ged,data=datSEISretINSA SEISs11gedFIT
SEISs22gedFIT<-ugarchfit(spec=SEISs22ged,data=datSEISretINSA SEISs22gedFIT
SEISs12gedFIT<-ugarchfit(spec=SEISs12ged,data=datSEISretINSA SEISs12gedFIT
SEISs21gedFIT<-ugarchfit(spec=SEISs21ged,data=datSEISretINSA SEISs21gedFIT
SEISe11gedFIT<-ugarchfit(spec=SEISe11ged,data=datSEISretINSA SEISe11gedFIT
SEISe22gedFIT<-ugarchfit(spec=SEISe22ged,data=datSEISretINSA SEISe22gedFIT
SEISe12gedFIT<-ugarchfit(spec=SEISe12ged,data=datSEISretINSA SEISe12gedFIT
SEISe21gedFIT<-ugarchfit(spec=SEISe21ged,data=datSEISretINSA SEISe21gedFIT
SEISg11gedFIT<-ugarchfit(spec=SEISg11ged,data=datSEISretINSA SEISg11gedFIT
SEISe22gedFIT<-ugarchfit(spec=SEISe22ged,data=datSEISretINSA SEISg22gedFIT
SEISe12gedFIT<-ugarchfit(spec=SEISe12ged,data=datSEISretINSA SEISg12gedFIT
SEISe21gedFIT<-ugarchfit(spec=SEISe21ged,data=datSEISretINSA SEISg21gedFIT
SEISi11gedFIT<-ugarchfit(spec=SEISi11ged,data=datSEISretINSA SEISi11gedFIT
SEISi22gedFIT<-ugarchfit(spec=SEISi22ged,data=datSEISretINSA SEISi22gedFIT
SEISi12gedFIT<-ugarchfit(spec=SEISi12ged,data=datSEISretINSA SEISi12gedFIT
SEISi21gedFIT<-ugarchfit(spec=SEISi21ged,data=datSEISretINSA SEISi21gedFIT
SEISc11gedFIT<-ugarchfit(spec=SEISc11ged,data=datSEISretINSA SEISc11gedFIT
SEISc22gedFIT<-ugarchfit(spec=SEISc22ged,data=datSEISretINSA SEISc22gedFIT
SEISc12gedFIT<-ugarchfit(spec=SEISc12ged,data=datSEISretINSA SEISc12gedFIT
SEISc21gedFIT<-ugarchfit(spec=SEISc21ged,data=datSEISretINSA SEISc21gedFIT

SEISs11stdFIT<-ugarchfit(spec=SEISs11std,data=datSEISretINSA SEISs11stdFIT
SEISs22stdFIT<-ugarchfit(spec=SEISs22std,data=datSEISretINSA SEISs22stdFIT
SEISs12stdFIT<-ugarchfit(spec=SEISs12std,data=datSEISretINSA SEISs12stdFIT
SEISs21stdFIT<-ugarchfit(spec=SEISs21std,data=datSEISretINSA SEISs21stdFIT
SEISe11stdFIT<-ugarchfit(spec=SEISe11std,data=datSEISretINSA SEISe11stdFIT
SEISe22stdFIT<-ugarchfit(spec=SEISe22std,data=datSEISretINSA SEISe22stdFIT
SEISe12stdFIT<-ugarchfit(spec=SEISe12std,data=datSEISretINSA SEISe12stdFIT
SEISe21stdFIT<-ugarchfit(spec=SEISe21std,data=datSEISretINSA SEISe21stdFIT
SEISg11stdFIT<-ugarchfit(spec=SEISg11std,data=datSEISretINSA SEISg11stdFIT
SEISg22stdFIT<-ugarchfit(spec=SEISg22std,data=datSEISretINSA SEISg22stdFIT
SEISg12stdFIT<-ugarchfit(spec=SEISg12std,data=datSEISretINSA SEISg12stdFIT
SEISg21stdFIT<-ugarchfit(spec=SEISg21std,data=datSEISretINSA SEISg21stdFIT
SEISi11stdFIT<-ugarchfit(spec=SEISi11std,data=datSEISretINSA SEISi11stdFIT
SEISi22stdFIT<-ugarchfit(spec=SEISi22std,data=datSEISretINSA SEISi22stdFIT
SEISi12stdFIT<-ugarchfit(spec=SEISi12std,data=datSEISretINSA SEISi12stdFIT
SEISi21stdFIT<-ugarchfit(spec=SEISi21std,data=datSEISretINSA SEISi21stdFIT
SEISc11stdFIT<-ugarchfit(spec=SEISc11std,data=datSEISretINSA SEISc11stdFIT
SEISc22stdFIT<-ugarchfit(spec=SEISc22std,data=datSEISretINSA SEISc22stdFIT
SEISc12stdFIT<-ugarchfit(spec=SEISc12std,data=datSEISretINSA SEISc12stdFIT
SEISc21stdFIT<-ugarchfit(spec=SEISc21std,data=datSEISretINSA SEISc21stdFIT

SEISs11norFIT<-ugarchfit(spec=SEISs11nor,data=datSEISretINSA SEISs11norFIT
SEISs22norFIT<-ugarchfit(spec=SEISs22nor,data=datSEISretINSA SEISs22norFIT
SEISs12norFIT<-ugarchfit(spec=SEISs12nor,data=datSEISretINSA SEISs12norFIT
SEISs21norFIT<-ugarchfit(spec=SEISs21nor,data=datSEISretINSA SEISs21norFIT
SEISe11norFIT<-ugarchfit(spec=SEISe11nor,data=datSEISretINSA SEISe11norFIT
SEISe22norFIT<-ugarchfit(spec=SEISe22nor,data=datSEISretINSA SEISe22norFIT
SEISe12norFIT<-ugarchfit(spec=SEISe12nor,data=datSEISretINSA SEISe12norFIT
SEISe21norFIT<-ugarchfit(spec=SEISe21nor,data=datSEISretINSA SEISe21norFIT
SEISe11norFIT<-ugarchfit(spec=SEISe11nor,data=datSEISretINSA SEISg11norFIT
SEISe22norFIT<-ugarchfit(spec=SEISe22nor,data=datSEISretINSA SEISg22norFIT
SEISe12norFIT<-ugarchfit(spec=SEISe12nor,data=datSEISretINSA SEISg12norFIT
SEISe21norFIT<-ugarchfit(spec=SEISe21nor,data=datSEISretINSA SEISg21norFIT
SEISi11norFIT<-ugarchfit(spec=SEISi11nor,data=datSEISretINSA SEISi11norFIT
SEISi22norFIT<-ugarchfit(spec=SEISi22nor,data=datSEISretINSA SEISi22norFIT
SEISi12norFIT<-ugarchfit(spec=SEISi12nor,data=datSEISretINSA SEISi12norFIT
SEISi21norFIT<-ugarchfit(spec=SEISi21nor,data=datSEISretINSA SEISi21norFIT
SEISc11norFIT<-ugarchfit(spec=SEISc11nor,data=datSEISretINSA SEISc11norFIT
SEISc22norFIT<-ugarchfit(spec=SEISc22nor,data=datSEISretINSA SEISc22norFIT
SEISc12norFIT<-ugarchfit(spec=SEISc12nor,data=datSEISretINSA SEISc12norFIT
SEISc21norFIT<-ugarchfit(spec=SEISc21nor,data=datSEISretINSA SEISc21norFIT

##REITSFIT
SEREs11gedFIT<-ugarchfit(spec=SEREs11ged,data=datSERetINSA SEREs11gedFIT
SEREs22gedFIT<-ugarchfit(spec=SEREs22ged,data=datSERetINSA SEREs22gedFIT
SEREs12gedFIT<-ugarchfit(spec=SEREs12ged,data=datSERetINSA SEREs12gedFIT
SEREs21gedFIT<-ugarchfit(spec=SEREs21ged,data=datSERetINSA SEREs21gedFIT
SEREe11gedFIT<-ugarchfit(spec=SEREe11ged,data=datSERetINSA SEREe11gedFIT
SEREe22gedFIT<-ugarchfit(spec=SEREe22ged,data=datSERetINSA SEREe22gedFIT
SEREe12gedFIT<-ugarchfit(spec=SEREe12ged,data=datSERetINSA SEREe12gedFIT
SEREe21gedFIT<-ugarchfit(spec=SEREe21ged,data=datSERetINSA SEREe21gedFIT
SEREg11gedFIT<-ugarchfit(spec=SEREg11ged,data=datSERetINSA SEREg11gedFIT
SEREg22gedFIT<-ugarchfit(spec=SEREg22ged,data=datSERetINSA SEREg22gedFIT
SEREe12gedFIT<-ugarchfit(spec=SEREe12ged,data=datSERetINSA SEREg12gedFIT
SEREe21gedFIT<-ugarchfit(spec=SEREe21ged,data=datSERetINSA SEREg21gedFIT
SEREi11gedFIT<-ugarchfit(spec=SEREi11ged,data=datSERetINSA SEREi11gedFIT
SEREi22gedFIT<-ugarchfit(spec=SEREi22ged,data=datSERetINSA SEREi22gedFIT
SEREi12gedFIT<-ugarchfit(spec=SEREi12ged,data=datSERetINSA SEREi12gedFIT
SEREi21gedFIT<-ugarchfit(spec=SEREi21ged,data=datSERetINSA SEREi21gedFIT
SEREc11gedFIT<-ugarchfit(spec=SEREc11ged,data=datSERetINSA SEREc11gedFIT
SEREc22gedFIT<-ugarchfit(spec=SEREc22ged,data=datSERetINSA SEREc22gedFIT
SEREc12gedFIT<-ugarchfit(spec=SEREc12ged,data=datSERetINSA SEREc12gedFIT
SEREc21gedFIT<-ugarchfit(spec=SEREc21ged,data=datSERetINSA SEREc21gedFIT

SEREs11stdFIT<-ugarchfit(spec=SEREs11std,data=datSERetINSA SEREs11stdFIT
SEREs22stdFIT<-ugarchfit(spec=SEREs22std,data=datSERetINSA SEREs22stdFIT
SEREs12stdFIT<-ugarchfit(spec=SEREs12std,data=datSERetINSA SEREs12stdFIT
SEREs21stdFIT<-ugarchfit(spec=SEREs21std,data=datSERetINSA SEREs21stdFIT
SEREe11stdFIT<-ugarchfit(spec=SEREe11std,data=datSERetINSA SEREe11stdFIT
SEREe22stdFIT<-ugarchfit(spec=SEREe22std,data=datSERetINSA SEREe22stdFIT
SEREe12stdFIT<-ugarchfit(spec=SEREe12std,data=datSERetINSA SEREe12stdFIT
SEREe21stdFIT<-ugarchfit(spec=SEREe21std,data=datSERetINSA SEREe21stdFIT
SEREe11stdFIT<-ugarchfit(spec=SEREe11std,data=datSERetINSA SEREg11stdFIT
SEREg22stdFIT<-ugarchfit(spec=SEREg22std,data=datSERetINSA SEREg22stdFIT
SEREg12stdFIT<-ugarchfit(spec=SEREg12std,data=datSERetINSA SEREg12stdFIT
SEREg21stdFIT<-ugarchfit(spec=SEREg21std,data=datSERetINSA SEREg21stdFIT
SEREi11stdFIT<-ugarchfit(spec=SEREi11std,data=datSERetINSA SEREi11stdFIT
SEREi22stdFIT<-ugarchfit(spec=SEREi22std,data=datSERetINSA SEREi22stdFIT
SEREi12stdFIT<-ugarchfit(spec=SEREi12std,data=datSERetINSA SEREi12stdFIT
SEREi21stdFIT<-ugarchfit(spec=SEREi21std,data=datSERetINSA SEREi21stdFIT
SEREc11stdFIT<-ugarchfit(spec=SEREc11std,data=datSERetINSA SEREc11stdFIT
SEREc22stdFIT<-ugarchfit(spec=SEREc22std,data=datSERetINSA SEREc22stdFIT
SEREc12stdFIT<-ugarchfit(spec=SEREc12std,data=datSERetINSA SEREc12stdFIT
SEREc21stdFIT<-ugarchfit(spec=SEREc21std,data=datSERetINSA SEREc21stdFIT

SEREs11norFIT<-ugarchfit(spec=SEREs11nor,data=datSERetINSA SEREs11norFIT
SEREs22norFIT<-ugarchfit(spec=SEREs22nor,data=datSERetINSA SEREs22norFIT
SEREs12norFIT<-ugarchfit(spec=SEREs12nor,data=datSERetINSA SEREs12norFIT
SEREs21norFIT<-ugarchfit(spec=SEREs21nor,data=datSERetINSA SEREs21norFIT
SEREe11norFIT<-ugarchfit(spec=SEREe11nor,data=datSERetINSA SEREe11norFIT
SEREe22norFIT<-ugarchfit(spec=SEREe22nor,data=datSERetINSA SEREe22norFIT
SEREe12norFIT<-ugarchfit(spec=SEREe12nor,data=datSERetINSA SEREe12norFIT
SEREe21norFIT<-ugarchfit(spec=SEREe21nor,data=datSERetINSA SEREe21norFIT
SEREe11norFIT<-ugarchfit(spec=SEREe11nor,data=datSERetINSA SEREg11norFIT
SEREe22norFIT<-ugarchfit(spec=SEREe22nor,data=datSERetINSA SEREg22norFIT
SEREe12norFIT<-ugarchfit(spec=SEREe12nor,data=datSERetINSA SEREg12norFIT
SEREe21norFIT<-ugarchfit(spec=SEREe21nor,data=datSERetINSA SEREg21norFIT
SEREi11norFIT<-ugarchfit(spec=SEREi11nor,data=datSERetINSA SEREi11norFIT
SEREi22norFIT<-ugarchfit(spec=SEREi22nor,data=datSERetINSA SEREi22norFIT
SEREi12norFIT<-ugarchfit(spec=SEREi12nor,data=datSERetINSA SEREi12norFIT
SEREi21norFIT<-ugarchfit(spec=SEREi21nor,data=datSERetINSA SEREi21norFIT
SEREc11norFIT<-ugarchfit(spec=SEREc11nor,data=datSERetINSA SEREc11norFIT
SEREc22norFIT<-ugarchfit(spec=SEREc22nor,data=datSERetINSA SEREc22norFIT
```

```
SEREc12norFIT<-ugarchfit(spec=SEREc12nor,data=datSERERetINSA SEREc12norFIT
SEREc21norFIT<-ugarchfit(spec=SEREc21nor,data=datSERERetINSA SEREc21norFIT

##Alternative Energy FIT
SEAEs11gedFIT<-ugarchfit(spec=SEAEs11ged,data=datSEAEretINSA SEAEs11gedFIT
SEAEs22gedFIT<-ugarchfit(spec=SEAEs22ged,data=datSEAEretINSA SEAEs22gedFIT
SEAEs12gedFIT<-ugarchfit(spec=SEAEs12ged,data=datSEAEretINSA SEAEs12gedFIT
SEAEs21gedFIT<-ugarchfit(spec=SEAEs21ged,data=datSEAEretINSA SEAEs21gedFIT
SEAEe11gedFIT<-ugarchfit(spec=SEAEe11ged,data=datSEAEretINSA SEAEe11gedFIT
SEAEe22gedFIT<-ugarchfit(spec=SEAEe22ged,data=datSEAEretINSA SEAEe22gedFIT
SEAEe12gedFIT<-ugarchfit(spec=SEAEe12ged,data=datSEAEretINSA SEAEe12gedFIT
SEAEe21gedFIT<-ugarchfit(spec=SEAEe21ged,data=datSEAEretINSA SEAEe21gedFIT
SEAEg11gedFIT<-ugarchfit(spec=SEAEg11ged,data=datSEAEretINSA SEAEg11gedFIT
SEAEg22gedFIT<-ugarchfit(spec=SEAEg22ged,data=datSEAEretINSA SEAEg22gedFIT
SEAEe12gedFIT<-ugarchfit(spec=SEAEe12ged,data=datSEAEretINSA SEAEg12gedFIT
SEAEe21gedFIT<-ugarchfit(spec=SEAEe21ged,data=datSEAEretINSA SEAEg21gedFIT
SEAEi11gedFIT<-ugarchfit(spec=SEAEi11ged,data=datSEAEretINSA SEAEi11gedFIT
SEAEi22gedFIT<-ugarchfit(spec=SEAEi22ged,data=datSEAEretINSA SEAEi22gedFIT
SEAEi12gedFIT<-ugarchfit(spec=SEAEi12ged,data=datSEAEretINSA SEAEi12gedFIT
SEAEi21gedFIT<-ugarchfit(spec=SEAEi21ged,data=datSEAEretINSA SEAEi21gedFIT
SEAEc11gedFIT<-ugarchfit(spec=SEAEc11ged,data=datSEAEretINSA SEAEc11gedFIT
SEAEc22gedFIT<-ugarchfit(spec=SEAEc22ged,data=datSEAEretINSA SEAEc22gedFIT
SEAEc12gedFIT<-ugarchfit(spec=SEAEc12ged,data=datSEAEretINSA SEAEc12gedFIT
SEAEc21gedFIT<-ugarchfit(spec=SEAEc21ged,data=datSEAEretINSA SEAEc21gedFIT

SEAEs11stdFIT<-ugarchfit(spec=SEAEs11std,data=datSEAEretINSA SEAEs11stdFIT
SEAEs22stdFIT<-ugarchfit(spec=SEAEs22std,data=datSEAEretINSA SEAEs22stdFIT
SEAEs12stdFIT<-ugarchfit(spec=SEAEs12std,data=datSEAEretINSA SEAEs12stdFIT
SEAEs21stdFIT<-ugarchfit(spec=SEAEs21std,data=datSEAEretINSA SEAEs21stdFIT
SEAEe11stdFIT<-ugarchfit(spec=SEAEe11std,data=datSEAEretINSA SEAEe11stdFIT
SEAEe22stdFIT<-ugarchfit(spec=SEAEe22std,data=datSEAEretINSA SEAEe22stdFIT
SEAEe12stdFIT<-ugarchfit(spec=SEAEe12std,data=datSEAEretINSA SEAEe12stdFIT
SEAEe21stdFIT<-ugarchfit(spec=SEAEe21std,data=datSEAEretINSA SEAEe21stdFIT
SEAEg11stdFIT<-ugarchfit(spec=SEAEg11std,data=datSEAEretINSA SEAEg11stdFIT
SEAEg22stdFIT<-ugarchfit(spec=SEAEg22std,data=datSEAEretINSA SEAEg22stdFIT
SEAEg12stdFIT<-ugarchfit(spec=SEAEg12std,data=datSEAEretINSA SEAEg12stdFIT
SEAEg21stdFIT<-ugarchfit(spec=SEAEg21std,data=datSEAEretINSA SEAEg21stdFIT
SEAEi11stdFIT<-ugarchfit(spec=SEAEi11std,data=datSEAEretINSA SEAEi11stdFIT
SEAEi22stdFIT<-ugarchfit(spec=SEAEi22std,data=datSEAEretINSA SEAEi22stdFIT
SEAEi12stdFIT<-ugarchfit(spec=SEAEi12std,data=datSEAEretINSA SEAEi12stdFIT
SEAEi21stdFIT<-ugarchfit(spec=SEAEi21std,data=datSEAEretINSA SEAEi21stdFIT
SEAEc11stdFIT<-ugarchfit(spec=SEAEc11std,data=datSEAEretINSA SEAEc11stdFIT
SEAEc22stdFIT<-ugarchfit(spec=SEAEc22std,data=datSEAEretINSA SEAEc22stdFIT
SEAEc12stdFIT<-ugarchfit(spec=SEAEc12std,data=datSEAEretINSA SEAEc12stdFIT
SEAEc21stdFIT<-ugarchfit(spec=SEAEc21std,data=datSEAEretINSA SEAEc21stdFIT

SEAEs11norFIT<-ugarchfit(spec=SEAEs11nor,data=datSEAEretINSA SEAEs11norFIT
SEAEs22norFIT<-ugarchfit(spec=SEAEs22nor,data=datSEAEretINSA SEAEs22norFIT
SEAEs12norFIT<-ugarchfit(spec=SEAEs12nor,data=datSEAEretINSA SEAEs12norFIT
SEAEs21norFIT<-ugarchfit(spec=SEAEs21nor,data=datSEAEretINSA SEAEs21norFIT
SEAEe11norFIT<-ugarchfit(spec=SEAEe11nor,data=datSEAEretINSA SEAEe11norFIT
SEAEe22norFIT<-ugarchfit(spec=SEAEe22nor,data=datSEAEretINSA SEAEe22norFIT
SEAEe12norFIT<-ugarchfit(spec=SEAEe12nor,data=datSEAEretINSA SEAEe12norFIT
SEAEe21norFIT<-ugarchfit(spec=SEAEe21nor,data=datSEAEretINSA SEAEe21norFIT
SEAEg11norFIT<-ugarchfit(spec=SEAEg11nor,data=datSEAEretINSA SEAEg11norFIT
SEAEg22norFIT<-ugarchfit(spec=SEAEg22nor,data=datSEAEretINSA SEAEg22norFIT
SEAEe12norFIT<-ugarchfit(spec=SEAEe12nor,data=datSEAEretINSA SEAEg12norFIT
SEAEe21norFIT<-ugarchfit(spec=SEAEe21nor,data=datSEAEretINSA SEAEg21norFIT
SEAEi11norFIT<-ugarchfit(spec=SEAEi11nor,data=datSEAEretINSA SEAEi11norFIT
SEAEi22norFIT<-ugarchfit(spec=SEAEi22nor,data=datSEAEretINSA SEAEi22norFIT
SEAEi12norFIT<-ugarchfit(spec=SEAEi12nor,data=datSEAEretINSA SEAEi12norFIT
SEAEi21norFIT<-ugarchfit(spec=SEAEi21nor,data=datSEAEretINSA SEAEi21norFIT
SEAEc11norFIT<-ugarchfit(spec=SEAEc11nor,data=datSEAEretINSA SEAEc11norFIT
SEAEc22norFIT<-ugarchfit(spec=SEAEc22nor,data=datSEAEretINSA SEAEc22norFIT
SEAEc12norFIT<-ugarchfit(spec=SEAEc12nor,data=datSEAEretINSA SEAEc12norFIT
SEAEc21norFIT<-ugarchfit(spec=SEAEc21nor,data=datSEAEretINSA SEAEc21norFIT

##SoftwareFIT
SESOs11gedFIT<-ugarchfit(spec=SESOs11ged,data=datSESOretINSA SESOs11gedFIT
SESOs22gedFIT<-ugarchfit(spec=SESOs22ged,data=datSESOretINSA SESOs22gedFIT
SESOs12gedFIT<-ugarchfit(spec=SESOs12ged,data=datSESOretINSA SESOs12gedFIT
SESOs21gedFIT<-ugarchfit(spec=SESOs21ged,data=datSESOretINSA SESOs21gedFIT
SESOe11gedFIT<-ugarchfit(spec=SESOe11ged,data=datSESOretINSA SESOe11gedFIT
SESOe22gedFIT<-ugarchfit(spec=SESOe22ged,data=datSESOretINSA SESOe22gedFIT
SESOe12gedFIT<-ugarchfit(spec=SESOe12ged,data=datSESOretINSA SESOe12gedFIT
SESOe21gedFIT<-ugarchfit(spec=SESOe21ged,data=datSESOretINSA SESOe21gedFIT
SESOg11gedFIT<-ugarchfit(spec=SESOg11ged,data=datSESOretINSA SESOg11gedFIT
SESOg22gedFIT<-ugarchfit(spec=SESOg22ged,data=datSESOretINSA SESOg22gedFIT
SESOg12gedFIT<-ugarchfit(spec=SESOg12ged,data=datSESOretINSA SESOg12gedFIT
SESOg21gedFIT<-ugarchfit(spec=SESOg21ged,data=datSESOretINSA SESOg21gedFIT
SESOi11gedFIT<-ugarchfit(spec=SESOi11ged,data=datSESOretINSA SESOi11gedFIT
SESOi22gedFIT<-ugarchfit(spec=SESOi22ged,data=datSESOretINSA SESOi22gedFIT
SESOi12gedFIT<-ugarchfit(spec=SESOi12ged,data=datSESOretINSA SESOi12gedFIT
SESOi21gedFIT<-ugarchfit(spec=SESOi21ged,data=datSESOretINSA SESOi21gedFIT
SESOc11gedFIT<-ugarchfit(spec=SESOc11ged,data=datSESOretINSA SESOc11gedFIT
SESOc22gedFIT<-ugarchfit(spec=SESOc22ged,data=datSESOretINSA SESOc22gedFIT
SESOc12gedFIT<-ugarchfit(spec=SESOc12ged,data=datSESOretINSA SESOc12gedFIT
SESOc21gedFIT<-ugarchfit(spec=SESOc21ged,data=datSESOretINSA SESOc21gedFIT

SESOs11stdFIT<-ugarchfit(spec=SESOs11std,data=datSESOretINSA SESOs11stdFIT
SESOs22stdFIT<-ugarchfit(spec=SESOs22std,data=datSESOretINSA SESOs22stdFIT
SESOs12stdFIT<-ugarchfit(spec=SESOs12std,data=datSESOretINSA SESOs12stdFIT
SESOs21stdFIT<-ugarchfit(spec=SESOs21std,data=datSESOretINSA SESOs21stdFIT
SESOe11stdFIT<-ugarchfit(spec=SESOe11std,data=datSESOretINSA SESOe11stdFIT
SESOe22stdFIT<-ugarchfit(spec=SESOe22std,data=datSESOretINSA SESOe22stdFIT
SESOe12stdFIT<-ugarchfit(spec=SESOe12std,data=datSESOretINSA SESOe12stdFIT
SESOe21stdFIT<-ugarchfit(spec=SESOe21std,data=datSESOretINSA SESOe21stdFIT
SESOg11stdFIT<-ugarchfit(spec=SESOg11std,data=datSESOretINSA SESOg11stdFIT
SESOg22stdFIT<-ugarchfit(spec=SESOg22std,data=datSESOretINSA SESOg22stdFIT
SESOg12stdFIT<-ugarchfit(spec=SESOg12std,data=datSESOretINSA SESOg12stdFIT
SESOg21stdFIT<-ugarchfit(spec=SESOg21std,data=datSESOretINSA SESOg21stdFIT
SESOi11stdFIT<-ugarchfit(spec=SESOi11std,data=datSESOretINSA SESOi11stdFIT
SESOi22stdFIT<-ugarchfit(spec=SESOi22std,data=datSESOretINSA SESOi22stdFIT
SESOi12stdFIT<-ugarchfit(spec=SESOi12std,data=datSESOretINSA SESOi12stdFIT
SESOi21stdFIT<-ugarchfit(spec=SESOi21std,data=datSESOretINSA SESOi21stdFIT
SESOc11stdFIT<-ugarchfit(spec=SESOc11std,data=datSESOretINSA SESOc11stdFIT
SESOc22stdFIT<-ugarchfit(spec=SESOc22std,data=datSESOretINSA SESOc22stdFIT
SESOc12stdFIT<-ugarchfit(spec=SESOc12std,data=datSESOretINSA SESOc12stdFIT
SESOc21stdFIT<-ugarchfit(spec=SESOc21std,data=datSESOretINSA SESOc21stdFIT

SESOs11norFIT<-ugarchfit(spec=SESOs11nor,data=datSESOretINSA SESOs11norFIT
SESOs22norFIT<-ugarchfit(spec=SESOs22nor,data=datSESOretINSA SESOs22norFIT
SESOs12norFIT<-ugarchfit(spec=SESOs12nor,data=datSESOretINSA SESOs12norFIT
SESOs21norFIT<-ugarchfit(spec=SESOs21nor,data=datSESOretINSA SESOs21norFIT
SESOe11norFIT<-ugarchfit(spec=SESOe11nor,data=datSESOretINSA SESOe11norFIT
SESOe22norFIT<-ugarchfit(spec=SESOe22nor,data=datSESOretINSA SESOe22norFIT
SESOe12norFIT<-ugarchfit(spec=SESOe12nor,data=datSESOretINSA SESOe12norFIT
SESOe21norFIT<-ugarchfit(spec=SESOe21nor,data=datSESOretINSA SESOe21norFIT
SESOg11norFIT<-ugarchfit(spec=SESOg11nor,data=datSESOretINSA SESOg11norFIT
SESOe22norFIT<-ugarchfit(spec=SESOe22nor,data=datSESOretINSA SESOg22norFIT
SESOe12norFIT<-ugarchfit(spec=SESOe12nor,data=datSESOretINSA SESOg12norFIT
SESOe21norFIT<-ugarchfit(spec=SESOe21nor,data=datSESOretINSA SESOg21norFIT
SESOi11norFIT<-ugarchfit(spec=SESOi11nor,data=datSESOretINSA SESOi11norFIT
SESOi22norFIT<-ugarchfit(spec=SESOi22nor,data=datSESOretINSA SESOi22norFIT
SESOi12norFIT<-ugarchfit(spec=SESOi12nor,data=datSESOretINSA SESOi12norFIT
SESOi21norFIT<-ugarchfit(spec=SESOi21nor,data=datSESOretINSA SESOi21norFIT
SESOc11norFIT<-ugarchfit(spec=SESOc11nor,data=datSESOretINSA SESOc11norFIT
SESOc22norFIT<-ugarchfit(spec=SESOc22nor,data=datSESOretINSA SESOc22norFIT
SESOc12norFIT<-ugarchfit(spec=SESOc12nor,data=datSESOretINSA SESOc12norFIT
SESOc21norFIT<-ugarchfit(spec=SESOc21nor,data=datSESOretINSA SESOc21norFIT

##TechnicalFIT
SETEs11gedFIT<-ugarchfit(spec=SETEs11ged,data=datSETEretINSA SETEs11gedFIT
SETEs22gedFIT<-ugarchfit(spec=SETEs22ged,data=datSETEretINSA SETEs22gedFIT
SETEs12gedFIT<-ugarchfit(spec=SETEs12ged,data=datSETEretINSA SETEs12gedFIT
SETEs21gedFIT<-ugarchfit(spec=SETEs21ged,data=datSETEretINSA SETEs21gedFIT
SETEe11gedFIT<-ugarchfit(spec=SETEe11ged,data=datSETEretINSA SETEe11gedFIT
SETEe22gedFIT<-ugarchfit(spec=SETEe22ged,data=datSETEretINSA SETEe22gedFIT
SETEe12gedFIT<-ugarchfit(spec=SETEe12ged,data=datSETEretINSA SETEe12gedFIT
SETEe21gedFIT<-ugarchfit(spec=SETEe21ged,data=datSETEretINSA SETEe21gedFIT
SETEg11gedFIT<-ugarchfit(spec=SETEg11ged,data=datSETEretINSA SETEg11gedFIT
SETEg22gedFIT<-ugarchfit(spec=SETEg22ged,data=datSETEretINSA SETEg22gedFIT
SETEg12gedFIT<-ugarchfit(spec=SETEg12ged,data=datSETEretINSA SETEg12gedFIT
SETEg21gedFIT<-ugarchfit(spec=SETEg21ged,data=datSETEretINSA SETEg21gedFIT
SETEi11gedFIT<-ugarchfit(spec=SETEi11ged,data=datSETEretINSA SETEi11gedFIT
SETEi22gedFIT<-ugarchfit(spec=SETEi22ged,data=datSETEretINSA SETEi22gedFIT
SETEi12gedFIT<-ugarchfit(spec=SETEi12ged,data=datSETEretINSA SETEi12gedFIT
SETEi21gedFIT<-ugarchfit(spec=SETEi21ged,data=datSETEretINSA SETEi21gedFIT
SETEc11gedFIT<-ugarchfit(spec=SETEc11ged,data=datSETEretINSA SETEc11gedFIT
SETEc22gedFIT<-ugarchfit(spec=SETEc22ged,data=datSETEretINSA SETEc22gedFIT
SETEc12gedFIT<-ugarchfit(spec=SETEc12ged,data=datSETEretINSA SETEc12gedFIT
SETEc21gedFIT<-ugarchfit(spec=SETEc21ged,data=datSETEretINSA SETEc21gedFIT

SETEs11stdFIT<-ugarchfit(spec=SETEs11std,data=datSETEretINSA SETEs11stdFIT
SETEs22stdFIT<-ugarchfit(spec=SETEs22std,data=datSETEretINSA SETEs22stdFIT
SETEs12stdFIT<-ugarchfit(spec=SETEs12std,data=datSETEretINSA SETEs12stdFIT
SETEs21stdFIT<-ugarchfit(spec=SETEs21std,data=datSETEretINSA SETEs21stdFIT
SETEe11stdFIT<-ugarchfit(spec=SETEe11std,data=datSETEretINSA SETEe11stdFIT
SETEe22stdFIT<-ugarchfit(spec=SETEe22std,data=datSETEretINSA SETEe22stdFIT
SETEe12stdFIT<-ugarchfit(spec=SETEe12std,data=datSETEretINSA SETEe12stdFIT
SETEe21stdFIT<-ugarchfit(spec=SETEe21std,data=datSETEretINSA SETEe21stdFIT
SETEg11stdFIT<-ugarchfit(spec=SETEg11std,data=datSETEretINSA SETEg11stdFIT
SETEg22stdFIT<-ugarchfit(spec=SETEg22std,data=datSETEretINSA SETEg22stdFIT
SETEg12stdFIT<-ugarchfit(spec=SETEg12std,data=datSETEretINSA SETEg12stdFIT
SETEg21stdFIT<-ugarchfit(spec=SETEg21std,data=datSETEretINSA SETEg21stdFIT
SETEi11stdFIT<-ugarchfit(spec=SETEi11std,data=datSETEretINSA SETEi11stdFIT
SETEi22stdFIT<-ugarchfit(spec=SETEi22std,data=datSETEretINSA SETEi22stdFIT
SETEi12stdFIT<-ugarchfit(spec=SETEi12std,data=datSETEretINSA SETEi12stdFIT
SETEi21stdFIT<-ugarchfit(spec=SETEi21std,data=datSETEretINSA SETEi21stdFIT
SETEc11stdFIT<-ugarchfit(spec=SETEc11std,data=datSETEretINSA SETEc11stdFIT
SETEc22stdFIT<-ugarchfit(spec=SETEc22std,data=datSETEretINSA SETEc22stdFIT
SETEc12stdFIT<-ugarchfit(spec=SETEc12std,data=datSETEretINSA SETEc12stdFIT
SETEc21stdFIT<-ugarchfit(spec=SETEc21std,data=datSETEretINSA SETEc21stdFIT

SETEs11norFIT<-ugarchfit(spec=SETEs11nor,data=datSETEretINSA SETEs11norFIT
SETEs22norFIT<-ugarchfit(spec=SETEs22nor,data=datSETEretINSA SETEs22norFIT
SETEs12norFIT<-ugarchfit(spec=SETEs12nor,data=datSETEretINSA SETEs12norFIT
SETEs21norFIT<-ugarchfit(spec=SETEs21nor,data=datSETEretINSA SETEs21norFIT
SETEe11norFIT<-ugarchfit(spec=SETEe11nor,data=datSETEretINSA SETEe11norFIT
SETEe22norFIT<-ugarchfit(spec=SETEe22nor,data=datSETEretINSA SETEe22norFIT
SETEe12norFIT<-ugarchfit(spec=SETEe12nor,data=datSETEretINSA SETEe12norFIT
SETEe21norFIT<-ugarchfit(spec=SETEe21nor,data=datSETEretINSA SETEe21norFIT
SETEg11norFIT<-ugarchfit(spec=SETEg11nor,data=datSETEretINSA SETEg11norFIT
SETEg22norFIT<-ugarchfit(spec=SETEg22nor,data=datSETEretINSA SETEg22norFIT
SETEg12norFIT<-ugarchfit(spec=SETEg12nor,data=datSETEretINSA SETEg12norFIT
SETEe21norFIT<-ugarchfit(spec=SETEe21nor,data=datSETEretINSA SETEg21norFIT
SETEi11norFIT<-ugarchfit(spec=SETEi11nor,data=datSETEretINSA SETEi11norFIT
SETEi22norFIT<-ugarchfit(spec=SETEi22nor,data=datSETEretINSA SETEi22norFIT
SETEi12norFIT<-ugarchfit(spec=SETEi12nor,data=datSETEretINSA SETEi12norFIT
SETEi21norFIT<-ugarchfit(spec=SETEi21nor,data=datSETEretINSA SETEi21norFIT
SETEc11norFIT<-ugarchfit(spec=SETEc11nor,data=datSETEretINSA SETEc11norFIT
SETEc22norFIT<-ugarchfit(spec=SETEc22nor,data=datSETEretINSA SETEc22norFIT
SETEc12norFIT<-ugarchfit(spec=SETEc12nor,data=datSETEretINSA SETEc12norFIT
SETEc21norFIT<-ugarchfit(spec=SETEc21nor,data=datSETEretINSA SETEc21norFIT
```

```
##BeverageFIT
SEBEs11edFIT<-ugarchfit(spec=SEBEs11eed.data=datSEBEretINSA SEBEs11gedFIT
SEBEs22edFIT<-ugarchfit(spec=SEBEs22eed.data=datSEBEretINSA SEBEs22gedFIT
SEBEs12edFIT<-ugarchfit(spec=SEBEs12eed.data=datSEBEretINSA SEBEs12gedFIT
SEBEs21edFIT<-ugarchfit(spec=SEBEs21eed.data=datSEBEretINSA SEBEs21gedFIT
SEBEe11edFIT<-ugarchfit(spec=SEBEe11eed.data=datSEBEretINSA SEBEe11gedFIT
SEBEe22edFIT<-ugarchfit(spec=SEBEe22eed.data=datSEBEretINSA SEBEe22gedFIT
SEBEe12edFIT<-ugarchfit(spec=SEBEe12eed.data=datSEBEretINSA SEBEe12gedFIT
SEBEe21edFIT<-ugarchfit(spec=SEBEe21eed.data=datSEBEretINSA SEBEe21gedFIT
SEBEg11edFIT<-ugarchfit(spec=SEBEg11eed.data=datSEBEretINSA SEBEg11gedFIT
SEBEg22edFIT<-ugarchfit(spec=SEBEg22eed.data=datSEBEretINSA SEBEg22gedFIT
SEBEg12edFIT<-ugarchfit(spec=SEBEg12eed.data=datSEBEretINSA SEBEg12gedFIT
SEBEg21edFIT<-ugarchfit(spec=SEBEg21eed.data=datSEBEretINSA SEBEg21gedFIT
SEBEi11edFIT<-ugarchfit(spec=SEBEi11eed.data=datSEBEretINSA SEBEi11gedFIT
SEBEi22edFIT<-ugarchfit(spec=SEBEi22eed.data=datSEBEretINSA SEBEi22gedFIT
SEBEi12edFIT<-ugarchfit(spec=SEBEi12eed.data=datSEBEretINSA SEBEi12gedFIT
SEBEi21edFIT<-ugarchfit(spec=SEBEi21eed.data=datSEBEretINSA SEBEi21gedFIT
SEBEc11edFIT<-ugarchfit(spec=SEBEc11eed.data=datSEBEretINSA SEBEc11gedFIT
SEBEc22edFIT<-ugarchfit(spec=SEBEc22eed.data=datSEBEretINSA SEBEc22gedFIT
SEBEc12edFIT<-ugarchfit(spec=SEBEc12eed.data=datSEBEretINSA SEBEc12gedFIT
SEBEc21edFIT<-ugarchfit(spec=SEBEc21eed.data=datSEBEretINSA SEBEc21gedFIT

SEBEs11stdFIT<-ugarchfit(spec=SEBEs11std.data=datSEBEretINSA SEBEs11stdFIT
SEBEs22stdFIT<-ugarchfit(spec=SEBEs22std.data=datSEBEretINSA SEBEs22stdFIT
SEBEs12stdFIT<-ugarchfit(spec=SEBEs12std.data=datSEBEretINSA SEBEs12stdFIT
SEBEs21stdFIT<-ugarchfit(spec=SEBEs21std.data=datSEBEretINSA SEBEs21stdFIT
SEBEe11stdFIT<-ugarchfit(spec=SEBEe11std.data=datSEBEretINSA SEBEe11stdFIT
SEBEe22stdFIT<-ugarchfit(spec=SEBEe22std.data=datSEBEretINSA SEBEe22stdFIT
SEBEe12stdFIT<-ugarchfit(spec=SEBEe12std.data=datSEBEretINSA SEBEe12stdFIT
SEBEe21stdFIT<-ugarchfit(spec=SEBEe21std.data=datSEBEretINSA SEBEe21stdFIT
SEBEg11stdFIT<-ugarchfit(spec=SEBEg11std.data=datSEBEretINSA SEBEg11stdFIT
SEBEg22stdFIT<-ugarchfit(spec=SEBEg22std.data=datSEBEretINSA SEBEg22stdFIT
SEBEg12stdFIT<-ugarchfit(spec=SEBEg12std.data=datSEBEretINSA SEBEg12stdFIT
SEBEg21stdFIT<-ugarchfit(spec=SEBEg21std.data=datSEBEretINSA SEBEg21stdFIT
SEBEi11stdFIT<-ugarchfit(spec=SEBEi11std.data=datSEBEretINSA SEBEi11stdFIT
SEBEi22stdFIT<-ugarchfit(spec=SEBEi22std.data=datSEBEretINSA SEBEi22stdFIT
SEBEi12stdFIT<-ugarchfit(spec=SEBEi12std.data=datSEBEretINSA SEBEi12stdFIT
SEBEi21stdFIT<-ugarchfit(spec=SEBEi21std.data=datSEBEretINSA SEBEi21stdFIT
SEBEc11stdFIT<-ugarchfit(spec=SEBEc11std.data=datSEBEretINSA SEBEc11stdFIT
SEBEc22stdFIT<-ugarchfit(spec=SEBEc22std.data=datSEBEretINSA SEBEc22stdFIT
SEBEc12stdFIT<-ugarchfit(spec=SEBEc12std.data=datSEBEretINSA SEBEc12stdFIT
SEBEc21stdFIT<-ugarchfit(spec=SEBEc21std.data=datSEBEretINSA SEBEc21stdFIT

SEBEs11norFIT<-ugarchfit(spec=SEBEs11nor.data=datSEBEretINSA SEBEs11norFIT
SEBEs22norFIT<-ugarchfit(spec=SEBEs22nor.data=datSEBEretINSA SEBEs22norFIT
SEBEs12norFIT<-ugarchfit(spec=SEBEs12nor.data=datSEBEretINSA SEBEs12norFIT
SEBEs21norFIT<-ugarchfit(spec=SEBEs21nor.data=datSEBEretINSA SEBEs21norFIT
SEBEe11norFIT<-ugarchfit(spec=SEBEe11nor.data=datSEBEretINSA SEBEe11norFIT
SEBEe22norFIT<-ugarchfit(spec=SEBEe22nor.data=datSEBEretINSA SEBEe22norFIT
SEBEe12norFIT<-ugarchfit(spec=SEBEe12nor.data=datSEBEretINSA SEBEe12norFIT
SEBEe21norFIT<-ugarchfit(spec=SEBEe21nor.data=datSEBEretINSA SEBEe21norFIT
SEBEg11norFIT<-ugarchfit(spec=SEBEg11nor.data=datSEBEretINSA SEBEg11norFIT
SEBEg22norFIT<-ugarchfit(spec=SEBEg22nor.data=datSEBEretINSA SEBEg22norFIT
SEBEe12norFIT<-ugarchfit(spec=SEBEe12nor.data=datSEBEretINSA SEBEg12norFIT
SEBEe21norFIT<-ugarchfit(spec=SEBEe21nor.data=datSEBEretINSA SEBEg21norFIT
SEBEi11norFIT<-ugarchfit(spec=SEBEi11nor.data=datSEBEretINSA SEBEi11norFIT
SEBEi22norFIT<-ugarchfit(spec=SEBEi22nor.data=datSEBEretINSA SEBEi22norFIT
SEBEi12norFIT<-ugarchfit(spec=SEBEi12nor.data=datSEBEretINSA SEBEi12norFIT
SEBEi21norFIT<-ugarchfit(spec=SEBEi21nor.data=datSEBEretINSA SEBEi21norFIT
SEBEc11norFIT<-ugarchfit(spec=SEBEc11nor.data=datSEBEretINSA SEBEc11norFIT
SEBEc22norFIT<-ugarchfit(spec=SEBEc22nor.data=datSEBEretINSA SEBEc22norFIT
SEBEc12norFIT<-ugarchfit(spec=SEBEc12nor.data=datSEBEretINSA SEBEc12norFIT
SEBEc21norFIT<-ugarchfit(spec=SEBEc21nor.data=datSEBEretINSA SEBEc21norFIT

##Total European Market FIT
SEETs11edFIT<-ugarchfit(spec=SEETs11eed,data=datSEETretINSA SEETs11gedFIT
SEETs22edFIT<-ugarchfit(spec=SEETs22eed.data=datSEETretINSA SEETs22gedFIT
SEETs12edFIT<-ugarchfit(spec=SEETs12eed.data=datSEETretINSA SEETs12gedFIT
SEETs21edFIT<-ugarchfit(spec=SEETs21eed.data=datSEETretINSA SEETs21gedFIT
SEETe11edFIT<-ugarchfit(spec=SEETe11eed.data=datSEETretINSA SEETe11gedFIT
SEETe22edFIT<-ugarchfit(spec=SEETe22eed.data=datSEETretINSA SEETe22gedFIT
SEETe12edFIT<-ugarchfit(spec=SEETe12eed.data=datSEETretINSA SEETe12gedFIT
SEETe21edFIT<-ugarchfit(spec=SEETe21eed.data=datSEETretINSA SEETe21gedFIT
SEETg11edFIT<-ugarchfit(spec=SEETg11eed,data=datSEETretINSA SEETg11gedFIT
SEETg22edFIT<-ugarchfit(spec=SEETg22eed,data=datSEETretINSA SEETg22gedFIT
SEETg12edFIT<-ugarchfit(spec=SEETg12eed,data=datSEETretINSA SEETg12gedFIT
SEETg21edFIT<-ugarchfit(spec=SEETg21eed,data=datSEETretINSA SEETg21gedFIT
SEETi11edFIT<-ugarchfit(spec=SEETi11eed,data=datSEETretINSA SEETi11gedFIT
SEETi22edFIT<-ugarchfit(spec=SEETi22eed.data=datSEETretINSA SEETi22gedFIT
SEETi12edFIT<-ugarchfit(spec=SEETi12eed,data=datSEETretINSA SEETi12gedFIT
SEETi21edFIT<-ugarchfit(spec=SEETi21eed.data=datSEETretINSA SEETi21gedFIT
SEETc11edFIT<-ugarchfit(spec=SEETc11eed.data=datSEETretINSA SEETc11gedFIT
SEETc22edFIT<-ugarchfit(spec=SEETc22eed.data=datSEETretINSA SEETc22gedFIT
SEETc12edFIT<-ugarchfit(spec=SEETc12eed.data=datSEETretINSA SEETc12gedFIT
SEETc21edFIT<-ugarchfit(spec=SEETc21eed.data=datSEETretINSA SEETc21gedFIT

SEETs11stdFIT<-ugarchfit(spec=SEETs11std.data=datSEETretINSA SEETs11stdFIT
SEETs22stdFIT<-ugarchfit(spec=SEETs22std.data=datSEETretINSA SEETs22stdFIT
SEETs12stdFIT<-ugarchfit(spec=SEETs12std.data=datSEETretINSA SEETs12stdFIT
SEETs21stdFIT<-ugarchfit(spec=SEETs21std.data=datSEETretINSA SEETs21stdFIT
SEETe11stdFIT<-ugarchfit(spec=SEETe11std.data=datSEETretINSA SEETe11stdFIT
SEETe22stdFIT<-ugarchfit(spec=SEETe22std.data=datSEETretINSA SEETe22stdFIT
SEETe12stdFIT<-ugarchfit(spec=SEETe12std.data=datSEETretINSA SEETe12stdFIT
SEETe21stdFIT<-ugarchfit(spec=SEETe21std.data=datSEETretINSA SEETe21stdFIT
SEETg11stdFIT<-ugarchfit(spec=SEETg11std.data=datSEETretINSA SEETg11stdFIT
SEETg22stdFIT<-ugarchfit(spec=SEETg22std.data=datSEETretINSA SEETg22stdFIT
SEETg12stdFIT<-ugarchfit(spec=SEETg12std.data=datSEETretINSA SEETg12stdFIT
SEETg21stdFIT<-ugarchfit(spec=SEETg21std.data=datSEETretINSA SEETg21stdFIT
SEETi11stdFIT<-ugarchfit(spec=SEETi11std.data=datSEETretINSA SEETi11stdFIT
SEETi22stdFIT<-ugarchfit(spec=SEETi22std.data=datSEETretINSA SEETi22stdFIT
SEETi12stdFIT<-ugarchfit(spec=SEETi12std.data=datSEETretINSA SEETi12stdFIT
SEETi21stdFIT<-ugarchfit(spec=SEETi21std.data=datSEETretINSA SEETi21stdFIT
SEETc11stdFIT<-ugarchfit(spec=SEETc11std.data=datSEETretINSA SEETc11stdFIT
SEETc22stdFIT<-ugarchfit(spec=SEETc22std.data=datSEETretINSA SEETc22stdFIT
SEETc12stdFIT<-ugarchfit(spec=SEETc12std.data=datSEETretINSA SEETc12stdFIT
SEETc21stdFIT<-ugarchfit(spec=SEETc21std.data=datSEETretINSA SEETc21stdFIT

SEETs11norFIT<-ugarchfit(spec=SEETs11nor.data=datSEETretINSA SEETs11norFIT
SEETs22norFIT<-ugarchfit(spec=SEETs22nor.data=datSEETretINSA SEETs22norFIT
SEETs12norFIT<-ugarchfit(spec=SEETs12nor.data=datSEETretINSA SEETs12norFIT
SEETs21norFIT<-ugarchfit(spec=SEETs21nor.data=datSEETretINSA SEETs21norFIT
SEETe11norFIT<-ugarchfit(spec=SEETe11nor.data=datSEETretINSA SEETe11norFIT
SEETe22norFIT<-ugarchfit(spec=SEETe22nor.data=datSEETretINSA SEETe22norFIT
SEETe12norFIT<-ugarchfit(spec=SEETe12nor.data=datSEETretINSA SEETe12norFIT
SEETe21norFIT<-ugarchfit(spec=SEETe21nor.data=datSEETretINSA SEETe21norFIT
SEETg11norFIT<-ugarchfit(spec=SEETg11nor.data=datSEETretINSA SEETg11norFIT
SEETg22norFIT<-ugarchfit(spec=SEETg22nor.data=datSEETretINSA SEETg22norFIT
SEETg12norFIT<-ugarchfit(spec=SEETg12nor.data=datSEETretINSA SEETg12norFIT
SEETg21norFIT<-ugarchfit(spec=SEETg21nor.data=datSEETretINSA SEETg21norFIT
SEETi11norFIT<-ugarchfit(spec=SEETi11nor.data=datSEETretINSA SEETi11norFIT
SEETi22norFIT<-ugarchfit(spec=SEETi22nor.data=datSEETretINSA SEETi22norFIT
SEETi12norFIT<-ugarchfit(spec=SEETi12nor.data=datSEETretINSA SEETi12norFIT
SEETi21norFIT<-ugarchfit(spec=SEETi21nor.data=datSEETretINSA SEETi21norFIT
SEETc11norFIT<-ugarchfit(spec=SEETc11nor.data=datSEETretINSA SEETc11norFIT
SEETc22norFIT<-ugarchfit(spec=SEETc22nor.data=datSEETretINSA SEETc22norFIT
SEETc12norFIT<-ugarchfit(spec=SEETc12nor.data=datSEETretINSA SEETc12norFIT
SEETc21norFIT<-ugarchfit(spec=SEETc21nor.data=datSEETretINSA SEETc21norFIT

##Chemicals FIT
SECHs11edFIT<-ugarchfit(spec=SECHs11eed,data=datSECHretINSA SECHs11gedFIT
SECHs22edFIT<-ugarchfit(spec=SECHs22eed,data=datSECHretINSA SECHs22gedFIT
SECHs12edFIT<-ugarchfit(spec=SECHs12eed,data=datSECHretINSA SECHs12gedFIT
SECHs21edFIT<-ugarchfit(spec=SECHs21eed.data=datSECHretINSA SECHs21gedFIT
SECHe11edFIT<-ugarchfit(spec=SECHe11eed.data=datSECHretINSA SECHe11gedFIT
SECHe22edFIT<-ugarchfit(spec=SECHe22eed.data=datSECHretINSA SECHe22gedFIT
SECHe12edFIT<-ugarchfit(spec=SECHe12eed.data=datSECHretINSA SECHe12gedFIT
SECHe21edFIT<-ugarchfit(spec=SECHe21eed.data=datSECHretINSA SECHe21gedFIT
SECHg11edFIT<-ugarchfit(spec=SECHg11eed.data=datSECHretINSA SECHg11gedFIT
SECHg22edFIT<-ugarchfit(spec=SECHg22eed.data=datSECHretINSA SECHg22gedFIT
SECHg12edFIT<-ugarchfit(spec=SECHg12eed.data=datSECHretINSA SECHg12gedFIT
SECHg21edFIT<-ugarchfit(spec=SECHg21eed.data=datSECHretINSA SECHg21gedFIT
SECHi11edFIT<-ugarchfit(spec=SECHi11eed.data=datSECHretINSA SECHi11gedFIT
SECHi22edFIT<-ugarchfit(spec=SECHi22eed.data=datSECHretINSA SECHi22gedFIT
SECHi12edFIT<-ugarchfit(spec=SECHi12eed.data=datSECHretINSA SECHi12gedFIT
SECHi21edFIT<-ugarchfit(spec=SECHi21eed.data=datSECHretINSA SECHi21gedFIT
SECHc11edFIT<-ugarchfit(spec=SECHc11eed.data=datSECHretINSA SECHc11gedFIT
SECHc22edFIT<-ugarchfit(spec=SECHc22eed.data=datSECHretINSA SECHc22gedFIT
SECHc12edFIT<-ugarchfit(spec=SECHc12eed.data=datSECHretINSA SECHc12gedFIT
SECHc21edFIT<-ugarchfit(spec=SECHc21eed.data=datSECHretINSA SECHc21gedFIT

SECHs11stdFIT<-ugarchfit(spec=SECHs11std.data=datSECHretINSA SECHs11stdFIT
SECHs22stdFIT<-ugarchfit(spec=SECHs22std.data=datSECHretINSA SECHs22stdFIT
SECHs12stdFIT<-ugarchfit(spec=SECHs12std.data=datSECHretINSA SECHs12stdFIT
SECHs21stdFIT<-ugarchfit(spec=SECHs21std.data=datSECHretINSA SECHs21stdFIT
SECHe11stdFIT<-ugarchfit(spec=SECHe11std.data=datSECHretINSA SECHe11stdFIT
SECHe22stdFIT<-ugarchfit(spec=SECHe22std.data=datSECHretINSA SECHe22stdFIT
SECHe12stdFIT<-ugarchfit(spec=SECHe12std.data=datSECHretINSA SECHe12stdFIT
SECHe21stdFIT<-ugarchfit(spec=SECHe21std.data=datSECHretINSA SECHe21stdFIT
SECHg11stdFIT<-ugarchfit(spec=SECHg11std.data=datSECHretINSA SECHg11stdFIT
SECHg22stdFIT<-ugarchfit(spec=SECHg22std.data=datSECHretINSA SECHg22stdFIT
SECHg12stdFIT<-ugarchfit(spec=SECHg12std.data=datSECHretINSA SECHg12stdFIT
SECHg21stdFIT<-ugarchfit(spec=SECHg21std.data=datSECHretINSA SECHg21stdFIT
SECHi11stdFIT<-ugarchfit(spec=SECHi11std.data=datSECHretINSA SECHi11stdFIT
SECHi22stdFIT<-ugarchfit(spec=SECHi22std.data=datSECHretINSA SECHi22stdFIT
SECHi12stdFIT<-ugarchfit(spec=SECHi12std.data=datSECHretINSA SECHi12stdFIT
SECHi21stdFIT<-ugarchfit(spec=SECHi21std.data=datSECHretINSA SECHi21stdFIT
SECHc11stdFIT<-ugarchfit(spec=SECHc11std.data=datSECHretINSA SECHc11stdFIT
SECHc22stdFIT<-ugarchfit(spec=SECHc22std.data=datSECHretINSA SECHc22stdFIT
SECHc12stdFIT<-ugarchfit(spec=SECHc12std.data=datSECHretINSA SECHc12stdFIT
SECHc21stdFIT<-ugarchfit(spec=SECHc21std.data=datSECHretINSA SECHc21stdFIT

SECHs11norFIT<-ugarchfit(spec=SECHs11nor.data=datSECHretINSA SECHs11norFIT
SECHs22norFIT<-ugarchfit(spec=SECHs22nor.data=datSECHretINSA SECHs22norFIT
SECHs12norFIT<-ugarchfit(spec=SECHs12nor.data=datSECHretINSA SECHs12norFIT
SECHs21norFIT<-ugarchfit(spec=SECHs21nor.data=datSECHretINSA SECHs21norFIT
SECHe11norFIT<-ugarchfit(spec=SECHe11nor.data=datSECHretINSA SECHe11norFIT
SECHe22norFIT<-ugarchfit(spec=SECHe22nor.data=datSECHretINSA SECHe22norFIT
SECHe12norFIT<-ugarchfit(spec=SECHe12nor.data=datSECHretINSA SECHe12norFIT
SECHe21norFIT<-ugarchfit(spec=SECHe21nor.data=datSECHretINSA SECHe21norFIT
SECHg11norFIT<-ugarchfit(spec=SECHg11nor.data=datSECHretINSA SECHg11norFIT
SECHg22norFIT<-ugarchfit(spec=SECHg22nor.data=datSECHretINSA SECHg22norFIT
SECHg12norFIT<-ugarchfit(spec=SECHg12nor.data=datSECHretINSA SECHg12norFIT
SECHg21norFIT<-ugarchfit(spec=SECHg21nor.data=datSECHretINSA SECHg21norFIT
SECHi11norFIT<-ugarchfit(spec=SECHi11nor.data=datSECHretINSA SECHi11norFIT
SECHi22norFIT<-ugarchfit(spec=SECHi22nor.data=datSECHretINSA SECHi22norFIT
SECHi12norFIT<-ugarchfit(spec=SECHi12nor.data=datSECHretINSA SECHi12norFIT
SECHi21norFIT<-ugarchfit(spec=SECHi21nor.data=datSECHretINSA SECHi21norFIT
SECHc11norFIT<-ugarchfit(spec=SECHc11nor.data=datSECHretINSA SECHc11norFIT
SECHc22norFIT<-ugarchfit(spec=SECHc22nor.data=datSECHretINSA SECHc22norFIT
SECHc12norFIT<-ugarchfit(spec=SECHc12nor.data=datSECHretINSA SECHc12norFIT
SECHc21norFIT<-ugarchfit(spec=SECHc21nor.data=datSECHretINSA SECHc21norFIT

##Auto and Parts FIT
SEAPs11edFIT<-ugarchfit(spec=SEAPs11eed,data=datSEAPretINSA SEAPs11gedFIT
SEAPs22gedFIT<-ugarchfit(spec=SEAPs22ged,data=datSEAPretINSA SEAPs22gedFIT
```

```
SEAPs12gedFIT<-uqarchfit(spec=SEAPs12ged,data=datSEAPretINSA SEAPs12gedFIT
SEAPs21gedFIT<-uqarchfit(spec=SEAPs21ged,data=datSEAPretINSA SEAPs21gedFIT
SEAPe11gedFIT<-uqarchfit(spec=SEAPe11ged,data=datSEAPretINSA SEAPe11gedFIT
SEAPe22gedFIT<-uqarchfit(spec=SEAPe22ged,data=datSEAPretINSA SEAPe22gedFIT
SEAPe12gedFIT<-uqarchfit(spec=SEAPe12ged,data=datSEAPretINSA SEAPe12gedFIT
SEAPe21gedFIT<-uqarchfit(spec=SEAPe21ged,data=datSEAPretINSA SEAPe21gedFIT
SEAPg11gedFIT<-uqarchfit(spec=SEAPe11ged,data=datSEAPretINSA SEAPg11gedFIT
SEAPg22gedFIT<-uqarchfit(spec=SEAPg22ged,data=datSEAPretINSA SEAPg22gedFIT
SEAPg12gedFIT<-uqarchfit(spec=SEAPg12ged,data=datSEAPretINSA SEAPg12gedFIT
SEAPg21gedFIT<-uqarchfit(spec=SEAPg21ged,data=datSEAPretINSA SEAPg21gedFIT
SEAPi11gedFIT<-uqarchfit(spec=SEAPi11ged,data=datSEAPretINSA SEAPi11gedFIT
SEAPi22gedFIT<-uqarchfit(spec=SEAPi22ged,data=datSEAPretINSA SEAPi22gedFIT
SEAPi12gedFIT<-uqarchfit(spec=SEAPi12ged,data=datSEAPretINSA SEAPi12gedFIT
SEAPi21gedFIT<-uqarchfit(spec=SEAPi21ged,data=datSEAPretINSA SEAPi21gedFIT
SEAPc11edFIT<-uqarchfit(spec=SEAPc11ed.data=datSEAPretINSA SEAPc11gedFIT
SEAPc22edFIT<-uqarchfit(spec=SEAPc22ed.data=datSEAPretINSA SEAPc22gedFIT
SEAPc12edFIT<-uqarchfit(spec=SEAPc12ed.data=datSEAPretINSA SEAPc12gedFIT
SEAPc21edFIT<-uqarchfit(spec=SEAPc21ed.data=datSEAPretINSA SEAPc21gedFIT

SEAPs11stdFIT<-uqarchfit(spec=SEAPs11std.data=datSEAPretINSA SEAPs11stdFIT
SEAPs22stdFIT<-uqarchfit(spec=SEAPs22std.data=datSEAPretINSA SEAPs22stdFIT
SEAPs12stdFIT<-uqarchfit(spec=SEAPs12std.data=datSEAPretINSA SEAPs12stdFIT
SEAPs21stdFIT<-uqarchfit(spec=SEAPs21std.data=datSEAPretINSA SEAPs21stdFIT
SEAPe11stdFIT<-uqarchfit(spec=SEAPe11std.data=datSEAPretINSA SEAPe11stdFIT
SEAPe22stdFIT<-uqarchfit(spec=SEAPe22std.data=datSEAPretINSA SEAPe22stdFIT
SEAPe12stdFIT<-uqarchfit(spec=SEAPe12std.data=datSEAPretINSA SEAPe12stdFIT
SEAPe21stdFIT<-uqarchfit(spec=SEAPe21std.data=datSEAPretINSA SEAPe21stdFIT
SEAPg11stdFIT<-uqarchfit(spec=SEAPe11std.data=datSEAPretINSA SEAPg11stdFIT
SEAPg22stdFIT<-uqarchfit(spec=SEAPg22std.data=datSEAPretINSA SEAPg22stdFIT
SEAPg12stdFIT<-uqarchfit(spec=SEAPg12std.data=datSEAPretINSA SEAPg12stdFIT
SEAPg21stdFIT<-uqarchfit(spec=SEAPg21std.data=datSEAPretINSA SEAPg21stdFIT
SEAPi11stdFIT<-uqarchfit(spec=SEAPi11std.data=datSEAPretINSA SEAPi11stdFIT
SEAPi22stdFIT<-uqarchfit(spec=SEAPi22std.data=datSEAPretINSA SEAPi22stdFIT
SEAPi12stdFIT<-uqarchfit(spec=SEAPi12std.data=datSEAPretINSA SEAPi12stdFIT
SEAPi21stdFIT<-uqarchfit(spec=SEAPi21std.data=datSEAPretINSA SEAPi21stdFIT
SEAPc11stdFIT<-uqarchfit(spec=SEAPc11std.data=datSEAPretINSA SEAPc11stdFIT
SEAPc22stdFIT<-uqarchfit(spec=SEAPc22std.data=datSEAPretINSA SEAPc22stdFIT
SEAPc12stdFIT<-uqarchfit(spec=SEAPc12std.data=datSEAPretINSA SEAPc12stdFIT
SEAPc21stdFIT<-uqarchfit(spec=SEAPc21std.data=datSEAPretINSA SEAPc21stdFIT

SEAPs11norFIT<-uqarchfit(spec=SEAPs11nor.data=datSEAPretINSA SEAPs11norFIT
SEAPs22norFIT<-uqarchfit(spec=SEAPs22nor.data=datSEAPretINSA SEAPs22norFIT
SEAPs12norFIT<-uqarchfit(spec=SEAPs12nor.data=datSEAPretINSA SEAPs12norFIT
SEAPs21norFIT<-uqarchfit(spec=SEAPs21nor.data=datSEAPretINSA SEAPs21norFIT
SEAPe11norFIT<-uqarchfit(spec=SEAPe11nor.data=datSEAPretINSA SEAPe11norFIT
SEAPe22norFIT<-uqarchfit(spec=SEAPe22nor.data=datSEAPretINSA SEAPe22norFIT
SEAPe12norFIT<-uqarchfit(spec=SEAPe12nor.data=datSEAPretINSA SEAPe12norFIT
SEAPe21norFIT<-uqarchfit(spec=SEAPe21nor.data=datSEAPretINSA SEAPe21norFIT
SEAPg11norFIT<-uqarchfit(spec=SEAPg11nor.data=datSEAPretINSA SEAPg11norFIT
SEAPg22norFIT<-uqarchfit(spec=SEAPg22nor.data=datSEAPretINSA SEAPg22norFIT
SEAPg12norFIT<-uqarchfit(spec=SEAPg12nor.data=datSEAPretINSA SEAPg12norFIT
SEAPg21norFIT<-uqarchfit(spec=SEAPg21nor.data=datSEAPretINSA SEAPg21norFIT
SEAPi11norFIT<-uqarchfit(spec=SEAPi11nor.data=datSEAPretINSA SEAPi11norFIT
SEAPi22norFIT<-uqarchfit(spec=SEAPi22nor.data=datSEAPretINSA SEAPi22norFIT
SEAPi12norFIT<-uqarchfit(spec=SEAPi12nor.data=datSEAPretINSA SEAPi12norFIT
SEAPi21norFIT<-uqarchfit(spec=SEAPi21nor.data=datSEAPretINSA SEAPi21norFIT
SEAPc11norFIT<-uqarchfit(spec=SEAPc11nor.data=datSEAPretINSA SEAPc11norFIT
SEAPc22norFIT<-uqarchfit(spec=SEAPc22nor.data=datSEAPretINSA SEAPc22norFIT
SEAPc12norFIT<-uqarchfit(spec=SEAPc12nor.data=datSEAPretINSA SEAPc12norFIT
SEAPc21norFIT<-uqarchfit(spec=SEAPc21nor.data=datSEAPretINSA SEAPc21norFIT

##BitcoinFIT
BITCs11gedFIT<-uqarchfit(spec=BITCs11ged,data=datBITCretINSA BITCs11gedFIT
BITCs22gedFIT<-uqarchfit(spec=BITCs22ged,data=datBITCretINSA BITCs22gedFIT
BITCs12gedFIT<-uqarchfit(spec=BITCs12ged,data=datBITCretINSA BITCs12gedFIT
BITCs21gedFIT<-uqarchfit(spec=BITCs21ged,data=datBITCretINSA BITCs21gedFIT
BITCe11gedFIT<-uqarchfit(spec=BITCe11ged.data=datBITCretINSA BITCe11gedFIT
BITCe22edFIT<-uqarchfit(spec=BITCe22ed.data=datBITCretINSA BITCe22gedFIT
BITCe12edFIT<-uqarchfit(spec=BITCe12ed.data=datBITCretINSA BITCe12gedFIT
BITCe21edFIT<-uqarchfit(spec=BITCe21ed.data=datBITCretINSA BITCe21gedFIT
BITCe11stdFIT<-uqarchfit(spec=BITCe11std.data=datBITCretINSA BITCg11gedFIT
BITCe22stdFIT<-uqarchfit(spec=BITCe22std.data=datBITCretINSA BITCg22gedFIT
BITCe12stdFIT<-uqarchfit(spec=BITCe12std.data=datBITCretINSA BITCg12gedFIT
BITCe21stdFIT<-uqarchfit(spec=BITCe21std.data=datBITCretINSA BITCg21gedFIT
BITCg11gedFIT<-uqarchfit(spec=BITCg11ged,data=datBITCretINSA BITCi11gedFIT
BITCg22gedFIT<-uqarchfit(spec=BITCg22ged,data=datBITCretINSA BITCi22gedFIT
BITCg12gedFIT<-uqarchfit(spec=BITCg12ged,data=datBITCretINSA BITCi12gedFIT
BITCg21gedFIT<-uqarchfit(spec=BITCg21ged,data=datBITCretINSA BITCi21gedFIT
BITCi11gedFIT<-uqarchfit(spec=BITCi11ged,data=datBITCretINSA BITCc11gedFIT
BITCi22gedFIT<-uqarchfit(spec=BITCi22ged,data=datBITCretINSA BITCc22gedFIT
BITCi12gedFIT<-uqarchfit(spec=BITCi12ged,data=datBITCretINSA BITCc12gedFIT
BITCi21gedFIT<-uqarchfit(spec=BITCi21ged,data=datBITCretINSA BITCc21gedFIT

BITCs11stdFIT<-uqarchfit(spec=BITCs11std.data=datBITCretINSA BITCs11stdFIT
BITCs22stdFIT<-uqarchfit(spec=BITCs22std.data=datBITCretINSA BITCs22stdFIT
BITCs12stdFIT<-uqarchfit(spec=BITCs12std.data=datBITCretINSA BITCs12stdFIT
BITCs21stdFIT<-uqarchfit(spec=BITCs21std.data=datBITCretINSA BITCs21stdFIT
BITCe11stdFIT<-uqarchfit(spec=BITCe11std.data=datBITCretINSA BITCe11stdFIT
BITCe22stdFIT<-uqarchfit(spec=BITCe22std.data=datBITCretINSA BITCe22stdFIT
BITCe12stdFIT<-uqarchfit(spec=BITCe12std.data=datBITCretINSA BITCe12stdFIT
BITCe21stdFIT<-uqarchfit(spec=BITCe21std.data=datBITCretINSA BITCe21stdFIT
BITCg11stdFIT<-uqarchfit(spec=BITCg11std.data=datBITCretINSA BITCg11stdFIT
BITCg22stdFIT<-uqarchfit(spec=BITCg22std.data=datBITCretINSA BITCg22stdFIT
BITCg12stdFIT<-uqarchfit(spec=BITCg12std.data=datBITCretINSA BITCg12stdFIT
BITCg21stdFIT<-uqarchfit(spec=BITCg21std.data=datBITCretINSA BITCg21stdFIT
BITCi11stdFIT<-uqarchfit(spec=BITCi11std.data=datBITCretINSA BITCi11stdFIT
BITCi22stdFIT<-uqarchfit(spec=BITCi22std.data=datBITCretINSA BITCi22stdFIT
BITCi12stdFIT<-uqarchfit(spec=BITCi12std.data=datBITCretINSA BITCi12stdFIT
BITCi21stdFIT<-uqarchfit(spec=BITCi21std.data=datBITCretINSA BITCi21stdFIT
BITCc11stdFIT<-uqarchfit(spec=BITCc11std.data=datBITCretINSA BITCc11stdFIT
BITCc22stdFIT<-uqarchfit(spec=BITCc22std.data=datBITCretINSA BITCc22stdFIT
BITCc12stdFIT<-uqarchfit(spec=BITCc12std.data=datBITCretINSA BITCc12stdFIT
BITCc21stdFIT<-uqarchfit(spec=BITCc21std.data=datBITCretINSA BITCc21stdFIT

BITCs11norFIT<-uqarchfit(spec=BITCs11nor,data=datBITCretINSA BITCs11norFIT
BITCs22norFIT<-uqarchfit(spec=BITCs22nor.data=datBITCretINSA BITCs22norFIT
BITCs12norFIT<-uqarchfit(spec=BITCs12nor.data=datBITCretINSA BITCs12norFIT
BITCs21norFIT<-uqarchfit(spec=BITCs21nor.data=datBITCretINSA BITCs21norFIT
BITCe11norFIT<-uqarchfit(spec=BITCe11nor.data=datBITCretINSA BITCe11norFIT
BITCe22norFIT<-uqarchfit(spec=BITCe22nor.data=datBITCretINSA BITCe22norFIT
BITCe12norFIT<-uqarchfit(spec=BITCe12nor.data=datBITCretINSA BITCe12norFIT
BITCe21norFIT<-uqarchfit(spec=BITCe21nor.data=datBITCretINSA BITCe21norFIT
BITCg11norFIT<-uqarchfit(spec=BITCg11nor.data=datBITCretINSA BITCg11norFIT
BITCg22norFIT<-uqarchfit(spec=BITCg22nor.data=datBITCretINSA BITCg22norFIT
BITCg12norFIT<-uqarchfit(spec=BITCg12nor.data=datBITCretINSA BITCg12norFIT
BITCg21norFIT<-uqarchfit(spec=BITCg21nor.data=datBITCretINSA BITCg21norFIT
BITCi11norFIT<-uqarchfit(spec=BITCi11nor.data=datBITCretINSA BITCi11norFIT
BITCi22norFIT<-uqarchfit(spec=BITCi22nor.data=datBITCretINSA BITCi22norFIT
BITCi12norFIT<-uqarchfit(spec=BITCi12nor.data=datBITCretINSA BITCi12norFIT
BITCi21norFIT<-uqarchfit(spec=BITCi21nor.data=datBITCretINSA BITCi21norFIT
BITCc11norFIT<-uqarchfit(spec=BITCc11nor.data=datBITCretINSA BITCc11norFIT
BITCc22norFIT<-uqarchfit(spec=BITCc22nor.data=datBITCretINSA BITCc22norFIT
BITCc12norFIT<-uqarchfit(spec=BITCc12nor.data=datBITCretINSA BITCc12norFIT
BITCc21norFIT<-uqarchfit(spec=BITCc21nor.data=datBITCretINSA BITCc21norFIT

##LitecoinFIT
LITCs11gedFIT<-uqarchfit(spec=LITCs11ged,data=datLITCretINSA LITCs11gedFIT
LITCs22gedFIT<-uqarchfit(spec=LITCs22ged,data=datLITCretINSA LITCs22gedFIT
LITCs12gedFIT<-uqarchfit(spec=LITCs12ged,data=datLITCretINSA LITCs12gedFIT
LITCs21gedFIT<-uqarchfit(spec=LITCs21ged,data=datLITCretINSA LITCs21gedFIT
LITCe11gedFIT<-uqarchfit(spec=LITCe11ged,data=datLITCretINSA LITCe11gedFIT
LITCe22gedFIT<-uqarchfit(spec=LITCe22ged,data=datLITCretINSA LITCe22gedFIT
LITCe12gedFIT<-uqarchfit(spec=LITCe12ged,data=datLITCretINSA LITCe12gedFIT
LITCe21edFIT<-uqarchfit(spec=LITCe21ed.data=datLITCretINSA LITCe21gedFIT
LITCe11edFIT<-uqarchfit(spec=LITCe11ed.data=datLITCretINSA LITCg11gedFIT
LITCe22edFIT<-uqarchfit(spec=LITCe22ed.data=datLITCretINSA LITCg22gedFIT
LITCe12edFIT<-uqarchfit(spec=LITCe12ed.data=datLITCretINSA LITCg12gedFIT
LITCe21edFIT<-uqarchfit(spec=LITCe21ed.data=datLITCretINSA LITCg21gedFIT
LITCi11edFIT<-uqarchfit(spec=LITCi11ed.data=datLITCretINSA LITCi11gedFIT
LITCi22edFIT<-uqarchfit(spec=LITCi22ed.data=datLITCretINSA LITCi22gedFIT
LITCi12edFIT<-uqarchfit(spec=LITCi12ed.data=datLITCretINSA LITCi12gedFIT
LITCi21gedFIT<-uqarchfit(spec=LITCi21ged,data=datLITCretINSA LITCi21gedFIT
LITCc11gedFIT<-uqarchfit(spec=LITCc11ged,data=datLITCretINSA LITCc11gedFIT
LITCc22gedFIT<-uqarchfit(spec=LITCc22ged,data=datLITCretINSA LITCc22gedFIT
LITCc12gedFIT<-uqarchfit(spec=LITCc12ged,data=datLITCretINSA LITCc12gedFIT
LITCc21edFIT<-uqarchfit(spec=LITCc21ed.data=datLITCretINSA LITCc21gedFIT

LITCs11stdFIT<-uqarchfit(spec=LITCs11std.data=datLITCretINSA LITCs11stdFIT
LITCs22stdFIT<-uqarchfit(spec=LITCs22std.data=datLITCretINSA LITCs22stdFIT
LITCs12stdFIT<-uqarchfit(spec=LITCs12std.data=datLITCretINSA LITCs12stdFIT
LITCs21stdFIT<-uqarchfit(spec=LITCs21std.data=datLITCretINSA LITCs21stdFIT
LITCe11stdFIT<-uqarchfit(spec=LITCe11std.data=datLITCretINSA LITCe11stdFIT
LITCe22stdFIT<-uqarchfit(spec=LITCe22std.data=datLITCretINSA LITCe22stdFIT
LITCe12stdFIT<-uqarchfit(spec=LITCe12std.data=datLITCretINSA LITCe12stdFIT
LITCe21stdFIT<-uqarchfit(spec=LITCe21std.data=datLITCretINSA LITCe21stdFIT
LITCg11stdFIT<-uqarchfit(spec=LITCg11std.data=datLITCretINSA LITCg11stdFIT
LITCg22stdFIT<-uqarchfit(spec=LITCg22std.data=datLITCretINSA LITCg22stdFIT
LITCg12stdFIT<-uqarchfit(spec=LITCg12std.data=datLITCretINSA LITCg12stdFIT
LITCg21stdFIT<-uqarchfit(spec=LITCg21std.data=datLITCretINSA LITCg21stdFIT
LITCi11stdFIT<-uqarchfit(spec=LITCi11std.data=datLITCretINSA LITCi11stdFIT
LITCi22stdFIT<-uqarchfit(spec=LITCi22std.data=datLITCretINSA LITCi22stdFIT
LITCi12stdFIT<-uqarchfit(spec=LITCi12std.data=datLITCretINSA LITCi12stdFIT
LITCi21stdFIT<-uqarchfit(spec=LITCi21std.data=datLITCretINSA LITCi21stdFIT
LITCc11stdFIT<-uqarchfit(spec=LITCc11std.data=datLITCretINSA LITCc11stdFIT
LITCc22stdFIT<-uqarchfit(spec=LITCc22std.data=datLITCretINSA LITCc22stdFIT
LITCc12stdFIT<-uqarchfit(spec=LITCc12std.data=datLITCretINSA LITCc12stdFIT
LITCc21stdFIT<-uqarchfit(spec=LITCc21std.data=datLITCretINSA LITCc21stdFIT

LITCs11norFIT<-uqarchfit(spec=LITCs11nor,data=datLITCretINSA LITCs11norFIT
LITCs22norFIT<-uqarchfit(spec=LITCs22nor.data=datLITCretINSA LITCs22norFIT
LITCs12norFIT<-uqarchfit(spec=LITCs12nor.data=datLITCretINSA LITCs12norFIT
LITCs21norFIT<-uqarchfit(spec=LITCs21nor.data=datLITCretINSA LITCs21norFIT
LITCe11norFIT<-uqarchfit(spec=LITCe11nor.data=datLITCretINSA LITCe11norFIT
LITCe22norFIT<-uqarchfit(spec=LITCe22nor.data=datLITCretINSA LITCe22norFIT
LITCe12norFIT<-uqarchfit(spec=LITCe12nor.data=datLITCretINSA LITCe12norFIT
LITCe21norFIT<-uqarchfit(spec=LITCe21nor.data=datLITCretINSA LITCe21norFIT
LITCe11norFIT<-uqarchfit(spec=LITCe11nor.data=datLITCretINSA LITCg11norFIT
LITCe22norFIT<-uqarchfit(spec=LITCe22nor.data=datLITCretINSA LITCg22norFIT
LITCg12norFIT<-uqarchfit(spec=LITCg12nor.data=datLITCretINSA LITCg12norFIT
LITCg21norFIT<-uqarchfit(spec=LITCg21nor.data=datLITCretINSA LITCg21norFIT
LITCi11norFIT<-uqarchfit(spec=LITCi11nor.data=datLITCretINSA LITCi11norFIT
LITCi22norFIT<-uqarchfit(spec=LITCi22nor.data=datLITCretINSA LITCi22norFIT
LITCi12norFIT<-uqarchfit(spec=LITCi12nor.data=datLITCretINSA LITCi12norFIT
LITCi21norFIT<-uqarchfit(spec=LITCi21nor.data=datLITCretINSA LITCi21norFIT
LITCc11norFIT<-uqarchfit(spec=LITCc11nor.data=datLITCretINSA LITCc11norFIT
LITCc22norFIT<-uqarchfit(spec=LITCc22nor.data=datLITCretINSA LITCc22norFIT
LITCc12norFIT<-uqarchfit(spec=LITCc12nor.data=datLITCretINSA LITCc12norFIT
LITCc21norFIT<-uqarchfit(spec=LITCc21nor.data=datLITCretINSA LITCc21norFIT

##REXFIT
GREXs11gedFIT<-uqarchfit(spec=GREXs11ged,data=datGREXretINSA GREXs11gedFIT
GREXs22gedFIT<-uqarchfit(spec=GREXs22ged,data=datGREXretINSA GREXs22gedFIT
GREXs12gedFIT<-uqarchfit(spec=GREXs12ged,data=datGREXretINSA GREXs12gedFIT
GREXs21gedFIT<-uqarchfit(spec=GREXs21ged,data=datGREXretINSA GREXs21gedFIT
GREXe11gedFIT<-uqarchfit(spec=GREXe11ged,data=datGREXretINSA GREXe11gedFIT
```

```
GREXe22gedFIT<-ugarchfit(spec=GREXe22ged,data=datGREXretINSA GREXe22gedFIT
GREXe12edFIT<-ugarchfit(spec=GREXe12eed,data=datGREXretINSA GREXe12gedFIT
GREXe21edFIT<-ugarchfit(spec=GREXe21eed,data=datGREXretINSA GREXe21gedFIT
GREXe11edFIT<-ugarchfit(spec=GREXe11eed,data=datGREXretINSA GREXg11gedFIT
GREXe22edFIT<-ugarchfit(spec=GREXe22eed,data=datGREXretINSA GREXg22gedFIT
GREXe12edFIT<-ugarchfit(spec=GREXe12eed,data=datGREXretINSA GREXg12gedFIT
GREXe21edFIT<-ugarchfit(spec=GREXe21eed,data=datGREXretINSA GREXg21gedFIT
GREXi11gedFIT<-ugarchfit(spec=GREXi11ged,data=datGREXretINSA GREXi11gedFIT
GREXi12gedFIT<-ugarchfit(spec=GREXi12ged,data=datGREXretINSA GREXi12gedFIT
GREXi12gedFIT<-ugarchfit(spec=GREXi12ged,data=datGREXretINSA GREXi12gedFIT
GREXi21gedFIT<-ugarchfit(spec=GREXi21ged,data=datGREXretINSA GREXi21gedFIT
GREXc11gedFIT<-ugarchfit(spec=GREXc11ged,data=datGREXretINSA GREXc11gedFIT
GREXc22gedFIT<-ugarchfit(spec=GREXc22ged,data=datGREXretINSA GREXc22gedFIT
GREXc12gedFIT<-ugarchfit(spec=GREXc12ged,data=datGREXretINSA GREXc12gedFIT
GREXc21edFIT<-ugarchfit(spec=GREXc21eed,data=datGREXretINSA GREXc21gedFIT

GREXs11stdFIT<-ugarchfit(spec=GREXs11std,data=datGREXretINSA GREXs11stdFIT
GREXs22stdFIT<-ugarchfit(spec=GREXs22std,data=datGREXretINSA GREXs22stdFIT
GREXs12stdFIT<-ugarchfit(spec=GREXs12std,data=datGREXretINSA GREXs12stdFIT
GREXs21stdFIT<-ugarchfit(spec=GREXs21std,data=datGREXretINSA GREXs21stdFIT
GREXe11stdFIT<-ugarchfit(spec=GREXe11std,data=datGREXretINSA GREXe11stdFIT
GREXe22stdFIT<-ugarchfit(spec=GREXe22std,data=datGREXretINSA GREXe22stdFIT
GREXe12stdFIT<-ugarchfit(spec=GREXe12std,data=datGREXretINSA GREXe12stdFIT
GREXe21stdFIT<-ugarchfit(spec=GREXe21std,data=datGREXretINSA GREXe21stdFIT
GREXg11stdFIT<-ugarchfit(spec=GREXg11std,data=datGREXretINSA GREXg11stdFIT
GREXg22stdFIT<-ugarchfit(spec=GREXg22std,data=datGREXretINSA GREXg22stdFIT
GREXg12stdFIT<-ugarchfit(spec=GREXg12std,data=datGREXretINSA GREXg12stdFIT
GREXe21stdFIT<-ugarchfit(spec=GREXe21std,data=datGREXretINSA GREXg21stdFIT
GREXi11stdFIT<-ugarchfit(spec=GREXi11std,data=datGREXretINSA GREXi11stdFIT
GREXi12stdFIT<-ugarchfit(spec=GREXi12std,data=datGREXretINSA GREXi12stdFIT
GREXi12stdFIT<-ugarchfit(spec=GREXi12std,data=datGREXretINSA GREXi12stdFIT
GREXi21stdFIT<-ugarchfit(spec=GREXi21std,data=datGREXretINSA GREXi21stdFIT
GREXc11stdFIT<-ugarchfit(spec=GREXc11std,data=datGREXretINSA GREXc11stdFIT
GREXc22stdFIT<-ugarchfit(spec=GREXc22std,data=datGREXretINSA GREXc22stdFIT
GREXc12stdFIT<-ugarchfit(spec=GREXc12std,data=datGREXretINSA GREXc12stdFIT
GREXc21stdFIT<-ugarchfit(spec=GREXc21std,data=datGREXretINSA GREXc21stdFIT

GREXs11norFIT<-ugarchfit(spec=GREXs11nor,data=datGREXretINSA GREXs11norFIT
GREXs22norFIT<-ugarchfit(spec=GREXs22nor,data=datGREXretINSA GREXs22norFIT
GREXs12norFIT<-ugarchfit(spec=GREXs12nor,data=datGREXretINSA GREXs12norFIT
GREXs21norFIT<-ugarchfit(spec=GREXs21nor,data=datGREXretINSA GREXs21norFIT
GREXe11norFIT<-ugarchfit(spec=GREXe11nor,data=datGREXretINSA GREXe11norFIT
GREXe22norFIT<-ugarchfit(spec=GREXe22nor,data=datGREXretINSA GREXe22norFIT
GREXe12norFIT<-ugarchfit(spec=GREXe12nor,data=datGREXretINSA GREXe12norFIT
GREXe21norFIT<-ugarchfit(spec=GREXe21nor,data=datGREXretINSA GREXe21norFIT
GREXe11norFIT<-ugarchfit(spec=GREXe11nor,data=datGREXretINSA GREXg11norFIT
GREXe22norFIT<-ugarchfit(spec=GREXe22nor,data=datGREXretINSA GREXg22norFIT
GREXg12norFIT<-ugarchfit(spec=GREXg12nor,data=datGREXretINSA GREXg12norFIT
GREXg21norFIT<-ugarchfit(spec=GREXg21nor,data=datGREXretINSA GREXg21norFIT
GREXi11norFIT<-ugarchfit(spec=GREXi11nor,data=datGREXretINSA GREXi11norFIT
GREXi12norFIT<-ugarchfit(spec=GREXi12nor,data=datGREXretINSA GREXi12norFIT
GREXi12norFIT<-ugarchfit(spec=GREXi12nor,data=datGREXretINSA GREXi12norFIT
GREXi21norFIT<-ugarchfit(spec=GREXi21nor,data=datGREXretINSA GREXi21norFIT
GREXc11norFIT<-ugarchfit(spec=GREXc11nor,data=datGREXretINSA GREXc11norFIT
GREXc22norFIT<-ugarchfit(spec=GREXc22nor,data=datGREXretINSA GREXc22norFIT
GREXc12norFIT<-ugarchfit(spec=GREXc12nor,data=datGREXretINSA GREXc12norFIT
GREXc21norFIT<-ugarchfit(spec=GREXc21nor,data=datGREXretINSA GREXc21norFIT

##DAX Private Equity FIT
DAXPs11edFIT<-ugarchfit(spec=DAXPs11eed,data=datDAXPretINSA DAXPs11gedFIT
DAXPs22gedFIT<-ugarchfit(spec=DAXPs22ged,data=datDAXPretINSA DAXPs22gedFIT
DAXPs12gedFIT<-ugarchfit(spec=DAXPs12ged,data=datDAXPretINSA DAXPs12gedFIT
DAXPs21gedFIT<-ugarchfit(spec=DAXPs21ged,data=datDAXPretINSA DAXPs21gedFIT
DAXPe11gedFIT<-ugarchfit(spec=DAXPe11ged,data=datDAXPretINSA DAXPe11gedFIT
DAXPe22gedFIT<-ugarchfit(spec=DAXPe22ged,data=datDAXPretINSA DAXPe22gedFIT
DAXPe12gedFIT<-ugarchfit(spec=DAXPe12ged,data=datDAXPretINSA DAXPe12gedFIT
DAXPe21edFIT<-ugarchfit(spec=DAXPe21eed,data=datDAXPretINSA DAXPe21gedFIT
DAXPe11edFIT<-ugarchfit(spec=DAXPe11eed,data=datDAXPretINSA DAXPg11gedFIT
DAXPe22edFIT<-ugarchfit(spec=DAXPe22eed,data=datDAXPretINSA DAXPg22gedFIT
DAXPe12edFIT<-ugarchfit(spec=DAXPe12eed,data=datDAXPretINSA DAXPg12gedFIT
DAXPe21edFIT<-ugarchfit(spec=DAXPe21eed,data=datDAXPretINSA DAXPg21gedFIT
DAXPi11edFIT<-ugarchfit(spec=DAXPi11eed,data=datDAXPretINSA DAXPi11gedFIT
DAXPi22edFIT<-ugarchfit(spec=DAXPi22eed,data=datDAXPretINSA DAXPi22gedFIT
DAXPi12edFIT<-ugarchfit(spec=DAXPi12ged,data=datDAXPretINSA DAXPi12gedFIT
DAXPi21gedFIT<-ugarchfit(spec=DAXPi21ged,data=datDAXPretINSA DAXPi21gedFIT
DAXPc11gedFIT<-ugarchfit(spec=DAXPc11ged,data=datDAXPretINSA DAXPc11gedFIT
DAXPc22gedFIT<-ugarchfit(spec=DAXPc22ged,data=datDAXPretINSA DAXPc22gedFIT
DAXPc12gedFIT<-ugarchfit(spec=DAXPc12ged,data=datDAXPretINSA DAXPc12gedFIT
DAXPc21gedFIT<-ugarchfit(spec=DAXPc21ged,data=datDAXPretINSA DAXPc21gedFIT

DAXPs11stdFIT<-ugarchfit(spec=DAXPs11std,data=datDAXPretINSA DAXPs11stdFIT
DAXPs22stdFIT<-ugarchfit(spec=DAXPs22std,data=datDAXPretINSA DAXPs22stdFIT
DAXPs12stdFIT<-ugarchfit(spec=DAXPs12std,data=datDAXPretINSA DAXPs12stdFIT
DAXPs21stdFIT<-ugarchfit(spec=DAXPs21std,data=datDAXPretINSA DAXPs21stdFIT
DAXPe11stdFIT<-ugarchfit(spec=DAXPe11std,data=datDAXPretINSA DAXPe11stdFIT
DAXPe22stdFIT<-ugarchfit(spec=DAXPe22std,data=datDAXPretINSA DAXPe22stdFIT
DAXPe12stdFIT<-ugarchfit(spec=DAXPe12std,data=datDAXPretINSA DAXPe12stdFIT
DAXPe21stdFIT<-ugarchfit(spec=DAXPe21std,data=datDAXPretINSA DAXPe21stdFIT
DAXPg11stdFIT<-ugarchfit(spec=DAXPg11std,data=datDAXPretINSA DAXPg11stdFIT
DAXPg22stdFIT<-ugarchfit(spec=DAXPg22std,data=datDAXPretINSA DAXPg22stdFIT
DAXPg12stdFIT<-ugarchfit(spec=DAXPg12std,data=datDAXPretINSA DAXPg12stdFIT
DAXPg21stdFIT<-ugarchfit(spec=DAXPg21std,data=datDAXPretINSA DAXPg21stdFIT
DAXPi11stdFIT<-ugarchfit(spec=DAXPi11std,data=datDAXPretINSA DAXPi11stdFIT
DAXPi22stdFIT<-ugarchfit(spec=DAXPi22std,data=datDAXPretINSA DAXPi22stdFIT
DAXPi12stdFIT<-ugarchfit(spec=DAXPi12std,data=datDAXPretINSA DAXPi12stdFIT
DAXPi21stdFIT<-ugarchfit(spec=DAXPi21std,data=datDAXPretINSA DAXPi21stdFIT
DAXPc11stdFIT<-ugarchfit(spec=DAXPc11std,data=datDAXPretINSA DAXPc11stdFIT
DAXPc22stdFIT<-ugarchfit(spec=DAXPc22std,data=datDAXPretINSA DAXPc22stdFIT
DAXPc12stdFIT<-ugarchfit(spec=DAXPc12std,data=datDAXPretINSA DAXPc12stdFIT
DAXPc21stdFIT<-ugarchfit(spec=DAXPc21std,data=datDAXPretINSA DAXPc21stdFIT

DAXPs11norFIT<-ugarchfit(spec=DAXPs11nor,data=datDAXPretINSA DAXPs11norFIT
DAXPs22norFIT<-ugarchfit(spec=DAXPs22nor,data=datDAXPretINSA DAXPs22norFIT
DAXPs12norFIT<-ugarchfit(spec=DAXPs12nor,data=datDAXPretINSA DAXPs12norFIT
DAXPs21norFIT<-ugarchfit(spec=DAXPs21nor,data=datDAXPretINSA DAXPs21norFIT
DAXPe11norFIT<-ugarchfit(spec=DAXPe11nor,data=datDAXPretINSA DAXPe11norFIT
DAXPe22norFIT<-ugarchfit(spec=DAXPe22nor,data=datDAXPretINSA DAXPe22norFIT
DAXPe12norFIT<-ugarchfit(spec=DAXPe12nor,data=datDAXPretINSA DAXPe12norFIT
DAXPe21norFIT<-ugarchfit(spec=DAXPe21nor,data=datDAXPretINSA DAXPe21norFIT
DAXPg11norFIT<-ugarchfit(spec=DAXPe11nor,data=datDAXPretINSA DAXPg11norFIT
DAXPg22norFIT<-ugarchfit(spec=DAXPe22nor,data=datDAXPretINSA DAXPg22norFIT
DAXPg12norFIT<-ugarchfit(spec=DAXPe12nor,data=datDAXPretINSA DAXPg12norFIT
DAXPg21norFIT<-ugarchfit(spec=DAXPe21nor,data=datDAXPretINSA DAXPg21norFIT
DAXPi11norFIT<-ugarchfit(spec=DAXPi11nor,data=datDAXPretINSA DAXPi11norFIT
DAXPi22norFIT<-ugarchfit(spec=DAXPi22nor,data=datDAXPretINSA DAXPi22norFIT
DAXPi12norFIT<-ugarchfit(spec=DAXPi12nor,data=datDAXPretINSA DAXPi12norFIT
DAXPi21norFIT<-ugarchfit(spec=DAXPi21nor,data=datDAXPretINSA DAXPi21norFIT
DAXPc11norFIT<-ugarchfit(spec=DAXPc11nor,data=datDAXPretINSA DAXPc11norFIT
DAXPc22norFIT<-ugarchfit(spec=DAXPc22nor,data=datDAXPretINSA DAXPc22norFIT
DAXPc12norFIT<-ugarchfit(spec=DAXPc12nor,data=datDAXPretINSA DAXPc12norFIT
DAXPc21norFIT<-ugarchfit(spec=DAXPc21nor,data=datDAXPretINSA DAXPc21norFIT
```

DIGITAL APPENDIX P

P_[RESULTS]_Chapter 4.7._Degrees of Freedom of std-Distributed Models

Degrees of Freedom (out of GARCH model
2.100003	DJACe11stdFIT
2.10432	DJACe12stdFIT
2.63105	DJALe11stdFIT
2.664155	DJALg11stdFIT
3.297168	DJCCs11stdFIT
2.820568	DJCCe11stdFIT
2.811017	DJCFe21stdFIT
2.180832	DJCPe22stdFIT
2.218328	DJCPe21stdFIT
2.799802	DJCTs12stdFIT
2.780122	DJCTe12stdFIT
2.41309	DJNIs11stdFIT
2.100001	DJNIe21stdFIT
2.268247	DJSIs11stdFIT
2.265672	DJSIg11stdFIT
2.339681	DJSIc11stdFIT
2.133549	DJSUs11stdFIT
2.202969	DJSUe22stdFIT
2.189896	DJSUe21stdFIT
2.131863	DJSUg22stdFIT
2.136393	DJSUg21stdFIT
3.174978	DJWEe11stdFIT
3.1672	DJWEe12stdFIT
2.343198	DJZIe22stdFIT
2.359452	DJZIe21stdFIT
2.476015	DJLHe11stdFIT
2.514619	DJLHe12stdFIT
3.647092	DJNGe21stdFIT
2.487423	DJPEe11stdFIT
2.51498	DJPEe12stdFIT
2.670871	DJSOe21stdFIT
2.22418	SEFPe11stdFIT
2.19512	SEFPe12stdFIT
2.367729	SEECe12stdFIT
2.31425	SEUTe11stdFIT
2.668395	SEUTc11stdFIT
2.244801	SEMOe11stdFIT
2.182368	SEOGe11stdFIT
2.404269	SEOEe11stdFIT
2.702392	SEAIe11stdFIT
2.59686	SEISe11stdFIT
2.61474	SEISe12stdFIT
2.43417	SEREe11stdFIT
2.655223	SEREg11stdFIT
2.679734	SESOe11stdFIT
2.685653	SESOe12stdFIT
2.528615	SETEs11stdFIT
2.300433	SETEe11stdFIT
2.307489	SETEe12stdFIT
2.40018	SEBEe11stdFIT
2.301896	SEETe11stdFIT
2.323117	SEETe12stdFIT
2.398522	SECHe11stdFIT
2.396752	SECHe12stdFIT
2.410271	SEAPe11stdFIT
2.40372	SEAPe12stdFIT
2.669937	DAXPs11stdFIT

DIGITAL APPENDIX Q

DIGITAL APPENDIX Q

Q_[CODE]_Chapter 4.7._Expected Shortfall and Value at Risk Results

	Value at Risk student t Distribution	Extract Data
DJACe11gedFIT	DJACe11gedVRST<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe11gedVRST
DJACe12gedFIT	DJACe12gedVRST<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe12gedVRST
DJACe11stFIT	DJACe11stVRST<-DJACe11stFORE@forecast$series+DJACe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe11stVRST
DJACe12stFIT	DJACe12stVRST<-DJACe12stFORE@forecast$series+DJACe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe12stVRST
DJACe1norFIT	DJACe1norVRST<-DJACe1norFORE@forecast$series+DJACe1norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe1norVRST
DJACe2norFIT	DJACe2norVRST<-DJACe2norFORE@forecast$series+DJACe2norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJACe2norVRST
DJALs11gedFIT	DJALs11gedVRST<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALs11gedVRST
DJALe11gedFIT	DJALe11gedVRST<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe11gedVRST
DJALe12gedFIT	DJALe12gedVRST<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe12gedVRST
DJALc11gedFIT	DJALc11gedVRST<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALc11gedVRST
DJALe11stFIT	DJALe11stVRST<-DJALe11stFORE@forecast$series+DJALe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe11stVRST
DJALg11stFIT	DJALg11stVRST<-DJALg11stFORE@forecast$series+DJALg11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALg11stVRST
DJALe11norFIT	DJALe11norVRST<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe11norVRST
DJALe12norFIT	DJALe12norVRST<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJALe12norVRST
DJCCe11gedFIT	DJCCe11gedVRST<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCe11gedVRST
DJCCe12gedFIT	DJCCe12gedVRST<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCe12gedVRST
DJCCs11stFIT	DJCCs11stVRST<-DJCCs11stFORE@forecast$series+DJCCs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCs11stVRST
DJCCe11stFIT	DJCCe11stVRST<-DJCCe11stFORE@forecast$series+DJCCe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCCe11stVRST
DJCFe22gedFIT	DJCFe22gedVRST<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe22gedVRST
DJCFe12gedFIT	DJCFe12gedVRST<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe12gedVRST
DJCFg21gedFIT	DJCFg21gedVRST<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFg21gedVRST
DJCFe21stFIT	DJCFe21stVRST<-DJCFe21stFORE@forecast$series+DJCFe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe21stVRST
DJCFe11norFIT	DJCFe11norVRST<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe11norVRST
DJCFe22norFIT	DJCFe22norVRST<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe22norVRST
DJCFe12norFIT	DJCFe12norVRST<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe12norVRST
DJCFe21norFIT	DJCFe21norVRST<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFe21norVRST
DJCFg22norFIT	DJCFg22norVRST<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFg22norVRST
DJCFg21norFIT	DJCFg21norVRST<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCFg21norVRST
DJCPe22stFIT	DJCPe22stVRST<-DJCPe22stFORE@forecast$series+DJCPe22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCPe22stVRST
DJCPe21stFIT	DJCPe21stVRST<-DJCPe21stFORE@forecast$series+DJCPe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCPe21stVRST
DJCTg22gedFIT	DJCTg22gedVRST<-DJCTg22gedFORE@forecast$series+DJCTg22gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTg22gedVRST
DJCTs12stFIT	DJCTs12stVRST<-DJCTs12stFORE@forecast$series+DJCTs12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTs12stVRST
DJCTe12stFIT	DJCTe12stVRST<-DJCTe12stFORE@forecast$series+DJCTe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTe12stVRST
DJCTe11norFIT	DJCTe11norVRST<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTe11norVRST
DJCTe12norFIT	DJCTe12norVRST<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTe12norVRST
DJCTg12norFIT	DJCTg12norVRST<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJCTg12norVRST
DJNIs11stFIT	DJNIs11stVRST<-DJNIs11stFORE@forecast$series+DJNIs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIs11stVRST
DJNIe21stFIT	DJNIe21stVRST<-DJNIe21stFORE@forecast$series+DJNIe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIe21stVRST
DJNIe11norFIT	DJNIe11norVRST<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIe11norVRST
DJNIe22norFIT	DJNIe22norVRST<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNIe22norVRST
DJSIg12gedFIT	DJSIg12gedVRST<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIg12gedVRST
DJSIs11stFIT	DJSIs11stVRST<-DJSIs11stFORE@forecast$series+DJSIs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIs11stVRST
DJSIg11stFIT	DJSIg11stVRST<-DJSIg11stFORE@forecast$series+DJSIg11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIg11stVRST
DJSIc11stFIT	DJSIc11stVRST<-DJSIc11stFORE@forecast$series+DJSIc11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSIc11stVRST
DJSUs11stFIT	DJSUs11stVRST<-DJSUs11stFORE@forecast$series+DJSUs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUs11stVRST
DJSUe22stFIT	DJSUe22stVRST<-DJSUe22stFORE@forecast$series+DJSUe22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUe22stVRST
DJSUe21stFIT	DJSUe21stVRST<-DJSUe21stFORE@forecast$series+DJSUe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUe21stVRST
DJSUg22stFIT	DJSUg22stVRST<-DJSUg22stFORE@forecast$series+DJSUg22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUg22stVRST
DJSUg21stFIT	DJSUg21stVRST<-DJSUg21stFORE@forecast$series+DJSUg21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUg21stVRST
DJSUs12norFIT	DJSUs12norVRST<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSUs12norVRST
DJWEe11gedFIT	DJWEe11gedVRST<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe11gedVRST
DJWEe12gedFIT	DJWEe12gedVRST<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe12gedVRST
DJWEe11stFIT	DJWEe11stVRST<-DJWEe11stFORE@forecast$series+DJWEe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe11stVRST
DJWEe12stFIT	DJWEe12stVRST<-DJWEe12stFORE@forecast$series+DJWEe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe12stVRST
DJWEe11norFIT	DJWEe11norVRST<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe11norVRST
DJWEe12norFIT	DJWEe12norVRST<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEe12norVRST
DJWEg11norFIT	DJWEg11norVRST<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJWEg11norVRST
DJZIe22stFIT	DJZIe22stVRST<-DJZIe22stFORE@forecast$series+DJZIe22stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe22stVRST
DJZIe21stFIT	DJZIe21stVRST<-DJZIe21stFORE@forecast$series+DJZIe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe21stVRST
DJZIs11norFIT	DJZIs11norVRST<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIs11norVRST
DJZIe11norFIT	DJZIe11norVRST<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe11norVRST
DJZIe12norFIT	DJZIe12norVRST<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIe12norVRST
DJZIg12norFIT	DJZIg12norVRST<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJZIg12norVRST
DJLHe11gedFIT	DJLHe11gedVRST<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe11gedVRST
DJLHe12gedFIT	DJLHe12gedVRST<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe12gedVRST
DJLHe11stFIT	DJLHe11stVRST<-DJLHe11stFORE@forecast$series+DJLHe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe11stVRST
DJLHe12stFIT	DJLHe12stVRST<-DJLHe12stFORE@forecast$series+DJLHe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe12stVRST
DJLHe11norFIT	DJLHe11norVRST<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe11norVRST
DJLHe12norFIT	DJLHe12norVRST<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJLHe12norVRST
DJNGe21stFIT	DJNGe21stVRST<-DJNGe21stFORE@forecast$series+DJNGe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNGe21stVRST
DJNGe12norFIT	DJNGe12norVRST<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJNGe12norVRST
DJPEe11gedFIT	DJPEe11gedVRST<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe11gedVRST
DJPEe12gedFIT	DJPEe12gedVRST<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe12gedVRST
DJPEe11stFIT	DJPEe11stVRST<-DJPEe11stFORE@forecast$series+DJPEe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe11stVRST
DJPEe12stFIT	DJPEe12stVRST<-DJPEe12stFORE@forecast$series+DJPEe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe12stVRST
DJPEe11norFIT	DJPEe11norVRST<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe11norVRST
DJPEe12norFIT	DJPEe12norVRST<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJPEe12norVRST
DJSOe22gedFIT	DJSOe22gedVRST<-DJSOe22gedFORE@forecast$series+DJSOe22gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe22gedVRST
DJSOe21stFIT	DJSOe21stVRST<-DJSOe21stFORE@forecast$series+DJSOe21stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe21stVRST
DJSOe11norFIT	DJSOe11norVRST<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe11norVRST
DJSOe22norFIT	DJSOe22norVRST<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe22norVRST
DJSOe21norFIT	DJSOe21norVRST<-DJSOe21norFORE@forecast$series+DJSOe21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DJSOe21norVRST
SEFPs11gedFIT	SEFPs11gedVRST<-SEFPs11gedFORE@forecast$series+SEFPs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPs11gedVRST
SEFPe11gedFIT	SEFPe11gedVRST<-SEFPe11gedFORE@forecast$series+SEFPe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe11gedVRST
SEFPe12gedFIT	SEFPe12gedVRST<-SEFPe12gedFORE@forecast$series+SEFPe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe12gedVRST
SEFPe11stFIT	SEFPe11stVRST<-SEFPe11stFORE@forecast$series+SEFPe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe11stVRST
SEFPe12stFIT	SEFPe12stVRST<-SEFPe12stFORE@forecast$series+SEFPe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe12stVRST
SEFPs11norFIT	SEFPs11norVRST<-SEFPs11norFORE@forecast$series+SEFPs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPs11norVRST
SEFPe11norFIT	SEFPe11norVRST<-SEFPe11norFORE@forecast$series+SEFPe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe11norVRST
SEFPe12norFIT	SEFPe12norVRST<-SEFPe12norFORE@forecast$series+SEFPe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFPe12norVRST
SEECs11gedFIT	SEECs11gedVRST<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECs11gedVRST
SEECe11gedFIT	SEECe11gedVRST<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe11gedVRST
SEECe12gedFIT	SEECe12gedVRST<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe12gedVRST
SEECe12stFIT	SEECe12stVRST<-SEECe12stFORE@forecast$series+SEECe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe12stVRST
SEECs11norFIT	SEECs11norVRST<-SEECs11norFORE@forecast$series+SEECs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECs11norVRST
SEECe12norFIT	SEECe12norVRST<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEECe12norVRST
SEFLe11gedFIT	SEFLe11gedVRST<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLe11gedVRST
SEFLg11gedFIT	SEFLg11gedVRST<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLg11gedVRST
SEFLe11norFIT	SEFLe11norVRST<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLe11norVRST
SEFLe12norFIT	SEFLe12norVRST<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEFLe12norVRST
SEUTe11gedFIT	SEUTe11gedVRST<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe11gedVRST
SEUTe12gedFIT	SEUTe12gedVRST<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe12gedVRST
SEUTc11gedFIT	SEUTc11gedVRST<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTc11gedVRST
SEUTe11stFIT	SEUTe11stVRST<-SEUTe11stFORE@forecast$series+SEUTe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe11stVRST
SEUTc11stFIT	SEUTc11stVRST<-SEUTc11stFORE@forecast$series+SEUTc11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTc11stVRST
SEUTe11norFIT	SEUTe11norVRST<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe11norVRST
SEUTe12norFIT	SEUTe12norVRST<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEUTe12norVRST
SETRe11gedFIT	SETRe11gedVRST<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRe11gedVRST
SETRs11norFIT	SETRs11norVRST<-SETRs11norFORE@forecast$series+SETRs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRs11norVRST
SETRe11norFIT	SETRe11norVRST<-SETRe11norFORE@forecast$series+SETRe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRe11norVRST
SETRe12norFIT	SETRe12norVRST<-SETRe12norFORE@forecast$series+SETRe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRe12norVRST
SETRg12norFIT	SETRg12norVRST<-SETRg12norFORE@forecast$series+SETRg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SETRg12norVRST
SEMOe11gedFIT	SEMOe11gedVRST<-SEMOe11gedFORE@forecast$series+SEMOe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOe11gedVRST
SEMOe12gedFIT	SEMOe12gedVRST<-SEMOe12gedFORE@forecast$series+SEMOe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOe12gedVRST
SEMOs11stFIT	SEMOs11stVRST<-SEMOs11stFORE@forecast$series+SEMOs11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOs11stVRST
SEMOe11norFIT	SEMOe11norVRST<-SEMOe11norFORE@forecast$series+SEMOe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEMOe11norVRST
SEOGe11gedFIT	SEOGe11gedVRST<-SEOGe11gedFORE@forecast$series+SEOGe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe11gedVRST
SEOGe12gedFIT	SEOGe12gedVRST<-SEOGe12gedFORE@forecast$series+SEOGe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe12gedVRST
SEOGe11stFIT	SEOGe11stVRST<-SEOGe11stFORE@forecast$series+SEOGe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe11stVRST
SEOGe11norFIT	SEOGe11norVRST<-SEOGe11norFORE@forecast$series+SEOGe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe11norVRST
SEOGe12norFIT	SEOGe12norVRST<-SEOGe12norFORE@forecast$series+SEOGe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOGe12norVRST
SEOEe11gedFIT	SEOEe11gedVRST<-SEOEe11gedFORE@forecast$series+SEOEe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe11gedVRST
SEOEe12gedFIT	SEOEe12gedVRST<-SEOEe12gedFORE@forecast$series+SEOEe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe12gedVRST
SEOEe11stFIT	SEOEe11stVRST<-SEOEe11stFORE@forecast$series+SEOEe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe11stVRST
SEOEe11norFIT	SEOEe11norVRST<-SEOEe11norFORE@forecast$series+SEOEe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe11norVRST
SEOEe12norFIT	SEOEe12norVRST<-SEOEe12norFORE@forecast$series+SEOEe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEOEe12norVRST
SEAIs11gedFIT	SEAIs11gedVRST<-SEAIs11gedFORE@forecast$series+SEAIs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIs11gedVRST
SEAIe11gedFIT	SEAIe11gedVRST<-SEAIe11gedFORE@forecast$series+SEAIe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe11gedVRST
SEAIe12gedFIT	SEAIe12gedVRST<-SEAIe12gedFORE@forecast$series+SEAIe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe12gedVRST
SEAIe11stFIT	SEAIe11stVRST<-SEAIe11stFORE@forecast$series+SEAIe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe11stVRST
SEAIs11norFIT	SEAIs11norVRST<-SEAIs11norFORE@forecast$series+SEAIs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIs11norVRST
SEAIs12norFIT	SEAIs12norVRST<-SEAIs12norFORE@forecast$series+SEAIs12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIs12norVRST
SEAIe11norFIT	SEAIe11norVRST<-SEAIe11norFORE@forecast$series+SEAIe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIe11norVRST
SEAIc12norFIT	SEAIc12norVRST<-SEAIc12norFORE@forecast$series+SEAIc12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEAIc12norVRST
SEISe11gedFIT	SEISe11gedVRST<-SEISe11gedFORE@forecast$series+SEISe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe11gedVRST
SEISe12gedFIT	SEISe12gedVRST<-SEISe12gedFORE@forecast$series+SEISe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe12gedVRST
SEISe11stFIT	SEISe11stVRST<-SEISe11stFORE@forecast$series+SEISe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe11stVRST
SEISe12stFIT	SEISe12stVRST<-SEISe12stFORE@forecast$series+SEISe12stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe12stVRST
SEISe11norFIT	SEISe11norVRST<-SEISe11norFORE@forecast$series+SEISe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe11norVRST
SEISe22norFIT	SEISe22norVRST<-SEISe22norFORE@forecast$series+SEISe22norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe22norVRST
SEISe12norFIT	SEISe12norVRST<-SEISe12norFORE@forecast$series+SEISe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISe12norVRST
SEISg11norFIT	SEISg11norVRST<-SEISg11norFORE@forecast$series+SEISg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISg11norVRST
SEISg12norFIT	SEISg12norVRST<-SEISg12norFORE@forecast$series+SEISg12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEISg12norVRST
SEREe11gedFIT	SEREe11gedVRST<-SEREe11gedFORE@forecast$series+SEREe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe11gedVRST
SEREe11stFIT	SEREe11stVRST<-SEREe11stFORE@forecast$series+SEREe11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe11stVRST
SEREg11stFIT	SEREg11stVRST<-SEREg11stFORE@forecast$series+SEREg11stFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREg11stVRST
SEREe11norFIT	SEREe11norVRST<-SEREe11norFORE@forecast$series+SEREe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe11norVRST
SEREe12norFIT	SEREe12norVRST<-SEREe12norFORE@forecast$series+SEREe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	SEREe12norVRST
SEAEs11gedFIT	SEAEs11gedVRST<-SEAEs11gedFORE@forecast$series+SEAEs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.

LITCs11gedFIT	LITCs11gedVRST<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCs11gedVRST
LITCc11gedFIT	LITCc11gedVRST<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc11gedVRST
LITCc12gedFIT	LITCc12gedVRST<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc12gedVRST
LITCs11norFIT	LITCs11norVRST<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCs11norVRST
LITCe11norFIT	LITCe11norVRST<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCe11norVRST
LITCe12norFIT	LITCe12norVRST<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCe12norVRST
LITCe21norFIT	LITCe21norVRST<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCe21norVRST
LITCg11norFIT	LITCg11norVRST<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCg11norVRST
LITCc11norFIT	LITCc11norVRST<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc11norVRST
LITCc12norFIT	LITCc12norVRST<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	LITCc12norVRST
GREXe11gedFIT	GREXe11gedVRST<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	GREXe11gedVRST
GREXe12gedFIT	GREXe12gedVRST<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	GREXe12gedVRST
GREXe21gedFIT	GREXe21gedVRST<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	GREXe21gedVRST
DAXPs11gedFIT	DAXPs11gedVRST<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPs11gedVRST
DAXPs11stdFIT	DAXPs11stdVRST<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPs11stdVRST
DAXPs12norFIT	DAXPs12norVRST<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPs12norVRST
DAXPe11norFIT	DAXPe11norVRST<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPe11norVRST
DAXPg11norFIT	DAXPg11norVRST<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)	DAXPg11norVRST

	Value at Risk norm Distribution	Extract Data
DJACe11gedFIT	DJACe11gedVRND<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe11gedVRND
DJACe12gedFIT	DJACe12gedVRND<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe12gedVRND
DJACe11stdFIT	DJACe11stdVRND<-DJACe11stdFORE@forecast$series+DJACe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe11stdVRND
DJACe12stdFIT	DJACe12stdVRND<-DJACe12stdFORE@forecast$series+DJACe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe12stdVRND
DJACe11norFIT	DJACe11norVRND<-DJACe11norFORE@forecast$series+DJACe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe11norVRND
DJACe12norFIT	DJACe12norVRND<-DJACe12norFORE@forecast$series+DJACe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe12norVRND
DJACe21norFIT	DJACe21norVRND<-DJACe21norFORE@forecast$series+DJACe21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJACe21norVRND
DJALs11gedFIT	DJALs11gedVRND<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALs11gedVRND
DJALa11gedFIT	DJALa11gedVRND<-DJALa11gedFORE@forecast$series+DJALa11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALa11gedVRND
DJALe12gedFIT	DJALe12gedVRND<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe12gedVRND
DJALc11gedFIT	DJALc11gedVRND<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJALc11gedVRND
DJALe11stdFIT	DJALe11stdVRND<-DJALe11stdFORE@forecast$series+DJALe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe11stdVRND
DJALg11stdFIT	DJALg11stdVRND<-DJALg11stdFORE@forecast$series+DJALg11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJALg11stdVRND
DJALe11norFIT	DJALe11norVRND<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe11norVRND
DJALe12norFIT	DJALe12norVRND<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJALe12norVRND
DJCCe11gedFIT	DJCCe11gedVRND<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCe11gedVRND
DJCCe12gedFIT	DJCCe12gedVRND<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCe12gedVRND
DJCCs11stdFIT	DJCCs11stdVRND<-DJCCs11stdFORE@forecast$series+DJCCs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCs11stdVRND
DJCCe11stdFIT	DJCCe11stdVRND<-DJCCe11stdFORE@forecast$series+DJCCe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCCe11stdVRND
DJCFe22gedFIT	DJCFe22gedVRND<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe22gedVRND
DJCFe12gedFIT	DJCFe12gedVRND<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe12gedVRND
DJCFg21gedFIT	DJCFg21gedVRND<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFg21gedVRND
DJCFe21stdFIT	DJCFe21stdVRND<-DJCFe21stdFORE@forecast$series+DJCFe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe21stdVRND
DJCFe11norFIT	DJCFe11norVRND<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe11norVRND
DJCFe22norFIT	DJCFe22norVRND<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe22norVRND
DJCFe12norFIT	DJCFe12norVRND<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe12norVRND
DJCFe21norFIT	DJCFe21norVRND<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFe21norVRND
DJCFg22norFIT	DJCFg22norVRND<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFg22norVRND
DJCFg21norFIT	DJCFg21norVRND<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCFg21norVRND
DJCPe22stdFIT	DJCPe22stdVRND<-DJCPe22stdFORE@forecast$series+DJCPe22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCPe22stdVRND
DJCPe21stdFIT	DJCPe21stdVRND<-DJCPe21stdFORE@forecast$series+DJCPe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCPe21stdVRND
DJCTg21gedFIT	DJCTg21gedVRND<-DJCTg21gedFORE@forecast$series+DJCTg21gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTg21gedVRND
DJCTs12stdFIT	DJCTs12stdVRND<-DJCTs12stdFORE@forecast$series+DJCTs12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTs12stdVRND
DJCTe12stdFIT	DJCTe12stdVRND<-DJCTe12stdFORE@forecast$series+DJCTe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTe12stdVRND
DJCTe11norFIT	DJCTe11norVRND<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTe11norVRND
DJCTe12norFIT	DJCTe12norVRND<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTe12norVRND
DJCTg12norFIT	DJCTg12norVRND<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJCTg12norVRND
DJNIs11stdFIT	DJNIs11stdVRND<-DJNIs11stdFORE@forecast$series+DJNIs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIs11stdVRND
DJNIe21stdFIT	DJNIe21stdVRND<-DJNIe21stdFORE@forecast$series+DJNIe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIe21stdVRND
DJNIe11norFIT	DJNIe11norVRND<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIe11norVRND
DJNIe22norFIT	DJNIe22norVRND<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJNIe22norVRND
DJSIg12gedFIT	DJSIg12gedVRND<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIg12gedVRND
DJSIs11stdFIT	DJSIs11stdVRND<-DJSIs11stdFORE@forecast$series+DJSIs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIs11stdVRND
DJSIg11stdFIT	DJSIg11stdVRND<-DJSIg11stdFORE@forecast$series+DJSIg11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIg11stdVRND
DJSIc11stdFIT	DJSIc11stdVRND<-DJSIc11stdFORE@forecast$series+DJSIc11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSIc11stdVRND
DJSUs11stdFIT	DJSUs11stdVRND<-DJSUs11stdFORE@forecast$series+DJSUs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUs11stdVRND
DJSUe22stdFIT	DJSUe22stdVRND<-DJSUe22stdFORE@forecast$series+DJSUe22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUe22stdVRND
DJSUe21stdFIT	DJSUe21stdVRND<-DJSUe21stdFORE@forecast$series+DJSUe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUe21stdVRND
DJSUg22stdFIT	DJSUg22stdVRND<-DJSUg22stdFORE@forecast$series+DJSUg22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUg22stdVRND
DJSUg21stdFIT	DJSUg21stdVRND<-DJSUg21stdFORE@forecast$series+DJSUg21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUg21stdVRND
DJSUs12norFIT	DJSUs12norVRND<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSUs12norVRND
DJWEe11gedFIT	DJWEe11gedVRND<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe11gedVRND
DJWEe12gedFIT	DJWEe12gedVRND<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe12gedVRND
DJWEe11stdFIT	DJWEe11stdVRND<-DJWEe11stdFORE@forecast$series+DJWEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe11stdVRND
DJWEe12stdFIT	DJWEe12stdVRND<-DJWEe12stdFORE@forecast$series+DJWEe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe12stdVRND
DJWEe11norFIT	DJWEe11norVRND<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe11norVRND
DJWEe12norFIT	DJWEe12norVRND<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEe12norVRND
DJWEg11norFIT	DJWEg11norVRND<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJWEg11norVRND
DJZIe22stdFIT	DJZIe22stdVRND<-DJZIe22stdFORE@forecast$series+DJZIe22stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe22stdVRND
DJZIe21stdFIT	DJZIe21stdVRND<-DJZIe21stdFORE@forecast$series+DJZIe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe21stdVRND
DJZIs11norFIT	DJZIs11norVRND<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIs11norVRND
DJZIe11norFIT	DJZIe11norVRND<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe11norVRND
DJZIe12norFIT	DJZIe12norVRND<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIe12norVRND
DJZIg12norFIT	DJZIg12norVRND<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJZIg12norVRND
DJLHe11gedFIT	DJLHe11gedVRND<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe11gedVRND
DJLHe12gedFIT	DJLHe12gedVRND<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe12gedVRND
DJLHe11stdFIT	DJLHe11stdVRND<-DJLHe11stdFORE@forecast$series+DJLHe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe11stdVRND
DJLHe12stdFIT	DJLHe12stdVRND<-DJLHe12stdFORE@forecast$series+DJLHe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe12stdVRND
DJLHe11norFIT	DJLHe11norVRND<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe11norVRND
DJLHe12norFIT	DJLHe12norVRND<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJLHe12norVRND
DJNGe21stdFIT	DJNGe21stdVRND<-DJNGe21stdFORE@forecast$series+DJNGe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJNGe21stdVRND
DJNGe12norFIT	DJNGe12norVRND<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJNGe12norVRND
DJPEe11gedFIT	DJPEe11gedVRND<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe11gedVRND
DJPEe12gedFIT	DJPEe12gedVRND<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe12gedVRND
DJPEe11stdFIT	DJPEe11stdVRND<-DJPEe11stdFORE@forecast$series+DJPEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe11stdVRND
DJPEe12stdFIT	DJPEe12stdVRND<-DJPEe12stdFORE@forecast$series+DJPEe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe12stdVRND
DJPEe11norFIT	DJPEe11norVRND<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe11norVRND
DJPEe12norFIT	DJPEe12norVRND<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	DJPEe12norVRND
DJSOe21gedFIT	DJSOe21gedVRND<-DJSOe21gedFORE@forecast$series+DJSOe21gedFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe21gedVRND
DJSOe21stdFIT	DJSOe21stdVRND<-DJSOe21stdFORE@forecast$series+DJSOe21stdFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe21stdVRND
DJSOe11norFIT	DJSOe11norVRND<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe11norVRND
DJSOe22norFIT	DJSOe22norVRND<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe22norVRND
DJSOe21norFIT	DJSOe21norVRND<-DJSOe21norFORE@forecast$series+DJSOe21norFORE@forecast$sigma*qdist("norm", p=0.025)	DJSOe21norVRND
SEFPs11gedFIT	SEFPs11gedVRND<-SEFPs11gedFORE@forecast$series+SEFPs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPs11gedVRND
SEFPe11gedFIT	SEFPe11gedVRND<-SEFPe11gedFORE@forecast$series+SEFPe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe11gedVRND
SEFPe12gedFIT	SEFPe12gedVRND<-SEFPe12gedFORE@forecast$series+SEFPe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe12gedVRND
SEFPe11stdFIT	SEFPe11stdVRND<-SEFPe11stdFORE@forecast$series+SEFPe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe11stdVRND
SEFPe12stdFIT	SEFPe12stdVRND<-SEFPe12stdFORE@forecast$series+SEFPe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe12stdVRND
SEFPs11norFIT	SEFPs11norVRND<-SEFPs11norFORE@forecast$series+SEFPs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPs11norVRND
SEFPe11norFIT	SEFPe11norVRND<-SEFPe11norFORE@forecast$series+SEFPe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe11norVRND
SEFPe12norFIT	SEFPe12norVRND<-SEFPe12norFORE@forecast$series+SEFPe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFPe12norVRND
SEECs11gedFIT	SEECs11gedVRND<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEECs11gedVRND
SEECe11gedFIT	SEECe11gedVRND<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe11gedVRND
SEECe12gedFIT	SEECe12gedVRND<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe12gedVRND
SEECe12stdFIT	SEECe12stdVRND<-SEECe12stdFORE@forecast$series+SEECe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe12stdVRND
SEECs11norFIT	SEECs11norVRND<-SEECs11norFORE@forecast$series+SEECs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEECs11norVRND
SEECe12norFIT	SEECe12norVRND<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEECe12norVRND
SEFLe11gedFIT	SEFLe11gedVRND<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLe11gedVRND
SEFLg11gedFIT	SEFLg11gedVRND<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLg11gedVRND
SEFLe11norFIT	SEFLe11norVRND<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLe11norVRND
SEFLe12norFIT	SEFLe12norVRND<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEFLe12norVRND
SEUTe11gedFIT	SEUTe11gedVRND<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe11gedVRND
SEUTe12gedFIT	SEUTe12gedVRND<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe12gedVRND
SEUTc11gedFIT	SEUTc11gedVRND<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTc11gedVRND
SEUTe11stdFIT	SEUTe11stdVRND<-SEUTe11stdFORE@forecast$series+SEUTe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe11stdVRND
SEUTc11stdFIT	SEUTc11stdVRND<-SEUTc11stdFORE@forecast$series+SEUTc11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTc11stdVRND
SEUTe11norFIT	SEUTe11norVRND<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe11norVRND
SEUTe12norFIT	SEUTe12norVRND<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEUTe12norVRND
SETRe11gedFIT	SETRe11gedVRND<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SETRe11gedVRND
SETRs11norFIT	SETRs11norVRND<-SETRs11norFORE@forecast$series+SETRs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRs11norVRND
SETRe11norFIT	SETRe11norVRND<-SETRe11norFORE@forecast$series+SETRe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRe11norVRND
SETRe12norFIT	SETRe12norVRND<-SETRe12norFORE@forecast$series+SETRe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRe12norVRND
SETRg12norFIT	SETRg12norVRND<-SETRg12norFORE@forecast$series+SETRg12norFORE@forecast$sigma*qdist("norm", p=0.025)	SETRg12norVRND
SEMOe11gedFIT	SEMOe11gedVRND<-SEMOe11gedFORE@forecast$series+SEMOe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOe11gedVRND
SEMOe12gedFIT	SEMOe12gedVRND<-SEMOe12gedFORE@forecast$series+SEMOe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOe12gedVRND
SEMOa11stdFIT	SEMOa11stdVRND<-SEMOa11stdFORE@forecast$series+SEMOa11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOa11stdVRND
SEMOe11norFIT	SEMOe11norVRND<-SEMOe11norFORE@forecast$series+SEMOe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEMOe11norVRND
SEOGe11gedFIT	SEOGe11gedVRND<-SEOGe11gedFORE@forecast$series+SEOGe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe11gedVRND
SEOGe12gedFIT	SEOGe12gedVRND<-SEOGe12gedFORE@forecast$series+SEOGe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe12gedVRND
SEOGe11stdFIT	SEOGe11stdVRND<-SEOGe11stdFORE@forecast$series+SEOGe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe11stdVRND
SEOGe11norFIT	SEOGe11norVRND<-SEOGe11norFORE@forecast$series+SEOGe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe11norVRND
SEOGe12norFIT	SEOGe12norVRND<-SEOGe12norFORE@forecast$series+SEOGe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe12norVRND
SEOGe21norFIT	SEOGe21norVRND<-SEOGe21norFORE@forecast$series+SEOGe21norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOGe21norVRND
SEOEe11gedFIT	SEOEe11gedVRND<-SEOEe11gedFORE@forecast$series+SEOEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe11gedVRND
SEOEe12gedFIT	SEOEe12gedVRND<-SEOEe12gedFORE@forecast$series+SEOEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe12gedVRND
SEOEe11stdFIT	SEOEe11stdVRND<-SEOEe11stdFORE@forecast$series+SEOEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe11stdVRND
SEOEe11norFIT	SEOEe11norVRND<-SEOEe11norFORE@forecast$series+SEOEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe11norVRND
SEOEe12norFIT	SEOEe12norVRND<-SEOEe12norFORE@forecast$series+SEOEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEOEe12norVRND
SEAIs11gedFIT	SEAIs11gedVRND<-SEAIs11gedFORE@forecast$series+SEAIs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIs11gedVRND
SEAIe11gedFIT	SEAIe11gedVRND<-SEAIe11gedFORE@forecast$series+SEAIe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe11gedVRND
SEAIe12gedFIT	SEAIe12gedVRND<-SEAIe12gedFORE@forecast$series+SEAIe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe12gedVRND
SEAIe11stdFIT	SEAIe11stdVRND<-SEAIe11stdFORE@forecast$series+SEAIe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe11stdVRND
SEAIs11norFIT	SEAIs11norVRND<-SEAIs11norFORE@forecast$series+SEAIs11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIs11norVRND
SEAIs12norFIT	SEAIs12norVRND<-SEAIs12norFORE@forecast$series+SEAIs12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIs12norVRND
SEAIe11norFIT	SEAIe11norVRND<-SEAIe11norFORE@forecast$series+SEAIe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIe11norVRND
SEAIc12norFIT	SEAIc12norVRND<-SEAIc12norFORE@forecast$series+SEAIc12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAIc12norVRND
SEISe11gedFIT	SEISe11gedVRND<-SEISe11gedFORE@forecast$series+SEISe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe11gedVRND
SEISe12gedFIT	SEISe12gedVRND<-SEISe12gedFORE@forecast$series+SEISe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe12gedVRND
SEISe11stdFIT	SEISe11stdVRND<-SEISe11stdFORE@forecast$series+SEISe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe11stdVRND
SEISe12stdFIT	SEISe12stdVRND<-SEISe12stdFORE@forecast$series+SEISe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe12stdVRND
SEISe11norFIT	SEISe11norVRND<-SEISe11norFORE@forecast$series+SEISe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe11norVRND
SEISe12norFIT	SEISe12norVRND<-SEISe12norFORE@forecast$series+SEISe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe12norVRND
SEISe21norFIT	SEISe21norVRND<-SEISe21norFORE@forecast$series+SEISe21norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISe21norVRND
SEISg11norFIT	SEISg11norVRND<-SEISg11norFORE@forecast$series+SEISg11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISg11norVRND
SEISg12norFIT	SEISg12norVRND<-SEISg12norFORE@forecast$series+SEISg12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEISg12norVRND
SEREe11gedFIT	SEREe11gedVRND<-SEREe11gedFORE@forecast$series+SEREe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe11gedVRND
SEREe11stdFIT	SEREe11stdVRND<-SEREe11stdFORE@forecast$series+SEREe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe11stdVRND
SEREg11stdFIT	SEREg11stdVRND<-SEREg11stdFORE@forecast$series+SEREg11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEREg11stdVRND
SEREe11norFIT	SEREe11norVRND<-SEREe11norFORE@forecast$series+SEREe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe11norVRND
SEREe12norFIT	SEREe12norVRND<-SEREe12norFORE@forecast$series+SEREe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEREe12norVRND
SEAEs11gedFIT	SEAEs11gedVRND<-SEAEs11gedFORE@forecast$series+SEAEs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEs11gedVRND
SEAEe11gedFIT	SEAEe11gedVRND<-SEAEe11gedFORE@forecast$series+SEAEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEe11gedVRND
SEAEe11norFIT	SEAEe11norVRND<-SEAEe11norFORE@forecast$series+SEAEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEe11norVRND
SEAEe12norFIT	SEAEe12norVRND<-SEAEe12norFORE@forecast$series+SEAEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEAEe12norVRND
SESOe11gedFIT	SESOe11gedVRND<-SESOe11gedFORE@forecast$series+SESOe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SESOe11gedVRND
SESOe11stdFIT	SESOe11stdVRND<-SESOe11stdFORE@forecast$series+SESOe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SESOe11stdVRND
SESOe12stdFIT	SESOe12stdVRND<-SESOe12stdFORE@forecast$series+SESOe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SESOe12stdVRND
SETEe11gedFIT	SETEe11gedVRND<-SETEe11gedFORE@forecast$series+SETEe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe11gedVRND
SETEe12gedFIT	SETEe12gedVRND<-SETEe12gedFORE@forecast$series+SETEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe12gedVRND
SETEs11stdFIT	SETEs11stdVRND<-SETEs11stdFORE@forecast$series+SETEs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SETEs11stdVRND
SETEe11stdFIT	SETEe11stdVRND<-SETEe11stdFORE@forecast$series+SETEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe11stdVRND
SETEe12stdFIT	SETEe12stdVRND<-SETEe12stdFORE@forecast$series+SETEe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe12stdVRND
SETEe11norFIT	SETEe11norVRND<-SETEe11norFORE@forecast$series+SETEe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SETEe11norVRND
SEBEe12gedFIT	SEBEe12gedVRND<-SEBEe12gedFORE@forecast$series+SEBEe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEBEe12gedVRND
SEBEe11stdFIT	SEBEe11stdVRND<-SEBEe11stdFORE@forecast$series+SEBEe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEBEe11stdVRND
SEBEe12norFIT	SEBEe12norVRND<-SEBEe12norFORE@forecast$series+SEBEe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEBEe12norVRND
SEETe11gedFIT	SEETe11gedVRND<-SEETe11gedFORE@forecast$series+SEETe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe11gedVRND
SEETe12gedFIT	SEETe12gedVRND<-SEETe12gedFORE@forecast$series+SEETe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe12gedVRND
SEETe11stdFIT	SEETe11stdVRND<-SEETe11stdFORE@forecast$series+SEETe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe11stdVRND
SEETe12stdFIT	SEETe12stdVRND<-SEETe12stdFORE@forecast$series+SEETe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe12stdVRND
SEETe11norFIT	SEETe11norVRND<-SEETe11norFORE@forecast$series+SEETe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe11norVRND
SEETe12norFIT	SEETe12norVRND<-SEETe12norFORE@forecast$series+SEETe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SEETe12norVRND
SECHe11gedFIT	SECHe11gedVRND<-SECHe11gedFORE@forecast$series+SECHe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe11gedVRND
SECHe12gedFIT	SECHe12gedVRND<-SECHe12gedFORE@forecast$series+SECHe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe12gedVRND
SECHe11stdFIT	SECHe11stdVRND<-SECHe11stdFORE@forecast$series+SECHe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe11stdVRND
SECHe12stdFIT	SECHe12stdVRND<-SECHe12stdFORE@forecast$series+SECHe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe12stdVRND
SECHe11norFIT	SECHe11norVRND<-SECHe11norFORE@forecast$series+SECHe11norFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe11norVRND
SECHe12norFIT	SECHe12norVRND<-SECHe12norFORE@forecast$series+SECHe12norFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe12norVRND
SECHe21norFIT	SECHe21norVRND<-SECHe21norFORE@forecast$series+SECHe21norFORE@forecast$sigma*qdist("norm", p=0.025)	SECHe21norVRND
SEAPe11gedFIT	SEAPe11gedVRND<-SEAPe11gedFORE@forecast$series+SEAPe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	SEAPe11gedVRND
SEAPe11stdFIT	SEAPe11stdVRND<-SEAPe11stdFORE@forecast$series+SEAPe11stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEAPe11stdVRND
SEAPe12stdFIT	SEAPe12stdVRND<-SEAPe12stdFORE@forecast$series+SEAPe12stdFORE@forecast$sigma*qdist("norm", p=0.025)	SEAPe12stdVRND
SEAPe11norFIT	SEAPe11norVRND<-SEAPe11norFORE@forecast$series+SEAPe11norFORE@forecast$sigma*

LITCs11gedFIT	LITCs11gedVRNO<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	LITCs11gedVRNO
LITCc11gedFIT	LITCc11gedVRNO<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc11gedVRNO
LITCc12gedFIT	LITCc12gedVRNO<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc12gedVRNO
LITCs11norFIT	LITCs11norVRNO<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCs11norVRNO
LITCe11norFIT	LITCe11norVRNO<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCe11norVRNO
LITCe12norFIT	LITCe12norVRNO<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCe12norVRNO
LITCe21norFIT	LITCe21norVRNO<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCe21norVRNO
LITCg11norFIT	LITCg11norVRNO<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCg11norVRNO
LITCc11norFIT	LITCc11norVRNO<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc11norVRNO
LITCc12norFIT	LITCc12norVRNO<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*qdist("norm", p=0.025)	LITCc12norVRNO
GREXe11gedFIT	GREXe11gedVRNO<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*qdist("norm", p=0.025)	GREXe11gedVRNO
GREXe12gedFIT	GREXe12gedVRNO<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*qdist("norm", p=0.025)	GREXe12gedVRNO
GREXe21gedFIT	GREXe21gedVRNO<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*qdist("norm", p=0.025)	GREXe21gedVRNO
DAXPs11gedFIT	DAXPs11gedVRNO<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPs11gedVRNO
DAXPs11stdFIT	DAXPs11stdVRNO<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPs11stdVRNO
DAXPs12norFIT	DAXPs12norVRNO<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPs12norVRNO
DAXPe11norFIT	DAXPe11norVRNO<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPe11norVRNO
DAXPg11norFIT	DAXPg11norVRNO<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*qdist("norm", p=0.025)	DAXPg11norVRNO

Df (out of GARCH model)	Function	Expected Shortfall Student t Distribution	Extract Data
	fDJACe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe11gedEST<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*integrate(fDJACe11gedFIT, 0, 0.025)$value/0.025	DJACe11gedEST
	fDJACe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe12gedEST<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*integrate(fDJACe12gedFIT, 0, 0.025)$value/0.025	DJACe12gedEST
2.100003	fDJACe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe11stdEST<-DJACe11stdFORE@forecast$series+DJACe11stdFORE@forecast$sigma*integrate(fDJACe11stdFIT, 0, 0.025)$value/0.025	DJACe11stdEST
2.10432	fDJACe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe12stdEST<-DJACe12stdFORE@forecast$series+DJACe12stdFORE@forecast$sigma*integrate(fDJACe12stdFIT, 0, 0.025)$value/0.025	DJACe12stdEST
	fDJACe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe11norEST<-DJACe11norFORE@forecast$series+DJACe11norFORE@forecast$sigma*integrate(fDJACe11norFIT, 0, 0.025)$value/0.025	DJACe11norEST
	fDJACe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe12norEST<-DJACe12norFORE@forecast$series+DJACe12norFORE@forecast$sigma*integrate(fDJACe12norFIT, 0, 0.025)$value/0.025	DJACe12norEST
	fDJACe21gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe21gedEST<-DJACe21gedFORE@forecast$series+DJACe21gedFORE@forecast$sigma*integrate(fDJACe21gedFIT, 0, 0.025)$value/0.025	DJACe21gedEST
	fDJACe22gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe22gedEST<-DJACe22gedFORE@forecast$series+DJACe22gedFORE@forecast$sigma*integrate(fDJACe22gedFIT, 0, 0.025)$value/0.025	DJACe22gedEST
	fDJACe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe21stdEST<-DJACe21stdFORE@forecast$series+DJACe21stdFORE@forecast$sigma*integrate(fDJACe21stdFIT, 0, 0.025)$value/0.025	DJACe21stdEST
	fDJACe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe22stdEST<-DJACe22stdFORE@forecast$series+DJACe22stdFORE@forecast$sigma*integrate(fDJACe22stdFIT, 0, 0.025)$value/0.025	DJACe22stdEST
	fDJACe21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe21norEST<-DJACe21norFORE@forecast$series+DJACe21norFORE@forecast$sigma*integrate(fDJACe21norFIT, 0, 0.025)$value/0.025	DJACe21norEST
	fDJACe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJACe22norEST<-DJACe22norFORE@forecast$series+DJACe22norFORE@forecast$sigma*integrate(fDJACe22norFIT, 0, 0.025)$value/0.025	DJACe22norEST
	fDJALs11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALs11gedEST<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*integrate(fDJALs11gedFIT, 0, 0.025)$value/0.025	DJALs11gedEST
	fDJALe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe11gedEST<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*integrate(fDJALe11gedFIT, 0, 0.025)$value/0.025	DJALe11gedEST
	fDJALe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe12gedEST<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*integrate(fDJALe12gedFIT, 0, 0.025)$value/0.025	DJALe12gedEST
	fDJALc11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALc11gedEST<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*integrate(fDJALc11gedFIT, 0, 0.025)$value/0.025	DJALc11gedEST
2.63105	fDJALe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe11stdEST<-DJALe11stdFORE@forecast$series+DJALe11stdFORE@forecast$sigma*integrate(fDJALe11stdFIT, 0, 0.025)$value/0.025	DJALe11stdEST
2.664155	fDJALg11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALg11stdEST<-DJALg11stdFORE@forecast$series+DJALg11stdFORE@forecast$sigma*integrate(fDJALg11stdFIT, 0, 0.025)$value/0.025	DJALg11stdEST
	fDJALe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe11norEST<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*integrate(fDJALe11norFIT, 0, 0.025)$value/0.025	DJALe11norEST
	fDJALe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJALe12norEST<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*integrate(fDJALe12norFIT, 0, 0.025)$value/0.025	DJALe12norEST
	fDJCCe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCe11gedEST<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*integrate(fDJCCe11gedFIT, 0, 0.025)$value/0.025	DJCCe11gedEST
	fDJCCe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCe12gedEST<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*integrate(fDJCCe12gedFIT, 0, 0.025)$value/0.025	DJCCe12gedEST
3.297168	fDJCCs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCs11stdEST<-DJCCs11stdFORE@forecast$series+DJCCs11stdFORE@forecast$sigma*integrate(fDJCCs11stdFIT, 0, 0.025)$value/0.025	DJCCs11stdEST
2.820568	fDJCCe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCCe11stdEST<-DJCCe11stdFORE@forecast$series+DJCCe11stdFORE@forecast$sigma*integrate(fDJCCe11stdFIT, 0, 0.025)$value/0.025	DJCCe11stdEST
	fDJCFe22gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe22gedEST<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*integrate(fDJCFe22gedFIT, 0, 0.025)$value/0.025	DJCFe22gedEST
	fDJCFe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe12gedEST<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*integrate(fDJCFe12gedFIT, 0, 0.025)$value/0.025	DJCFe12gedEST
	fDJCFg22gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFg22gedEST<-DJCFg22gedFORE@forecast$series+DJCFg22gedFORE@forecast$sigma*integrate(fDJCFg22gedFIT, 0, 0.025)$value/0.025	DJCFg22gedEST
2.811017	fDJCFe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe21stdEST<-DJCFe21stdFORE@forecast$series+DJCFe21stdFORE@forecast$sigma*integrate(fDJCFe21stdFIT, 0, 0.025)$value/0.025	DJCFe21stdEST
	fDJCFe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe11norEST<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*integrate(fDJCFe11norFIT, 0, 0.025)$value/0.025	DJCFe11norEST
	fDJCFe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe22norEST<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*integrate(fDJCFe22norFIT, 0, 0.025)$value/0.025	DJCFe22norEST
	fDJCFe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe12norEST<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*integrate(fDJCFe12norFIT, 0, 0.025)$value/0.025	DJCFe12norEST
	fDJCFe21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFe21norEST<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*integrate(fDJCFe21norFIT, 0, 0.025)$value/0.025	DJCFe21norEST
	fDJCFg22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFg22norEST<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*integrate(fDJCFg22norFIT, 0, 0.025)$value/0.025	DJCFg22norEST
	fDJCFg21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCFg21norEST<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*integrate(fDJCFg21norFIT, 0, 0.025)$value/0.025	DJCFg21norEST
2.180832	fDJCPe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCPe22stdEST<-DJCPe22stdFORE@forecast$series+DJCPe22stdFORE@forecast$sigma*integrate(fDJCPe22stdFIT, 0, 0.025)$value/0.025	DJCPe22stdEST
2.218328	fDJCPe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCPe21stdEST<-DJCPe21stdFORE@forecast$series+DJCPe21stdFORE@forecast$sigma*integrate(fDJCPe21stdFIT, 0, 0.025)$value/0.025	DJCPe21stdEST
	fDJCTg22gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTg22gedEST<-DJCTg22gedFORE@forecast$series+DJCTg22gedFORE@forecast$sigma*integrate(fDJCTg22gedFIT, 0, 0.025)$value/0.025	DJCTg22gedEST
2.793802	fDJCTs12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTs12stdEST<-DJCTs12stdFORE@forecast$series+DJCTs12stdFORE@forecast$sigma*integrate(fDJCTs12stdFIT, 0, 0.025)$value/0.025	DJCTs12stdEST
2.780122	fDJCTe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTe12stdEST<-DJCTe12stdFORE@forecast$series+DJCTe12stdFORE@forecast$sigma*integrate(fDJCTe12stdFIT, 0, 0.025)$value/0.025	DJCTe12stdEST
	fDJCTe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTe11norEST<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*integrate(fDJCTe11norFIT, 0, 0.025)$value/0.025	DJCTe11norEST
	fDJCTe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTe12norEST<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*integrate(fDJCTe12norFIT, 0, 0.025)$value/0.025	DJCTe12norEST
	fDJCTg12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJCTg12norEST<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*integrate(fDJCTg12norFIT, 0, 0.025)$value/0.025	DJCTg12norEST
2.41309	fDJNIs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIs11stdEST<-DJNIs11stdFORE@forecast$series+DJNIs11stdFORE@forecast$sigma*integrate(fDJNIs11stdFIT, 0, 0.025)$value/0.025	DJNIs11stdEST
2.180001	fDJNIe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIe21stdEST<-DJNIe21stdFORE@forecast$series+DJNIe21stdFORE@forecast$sigma*integrate(fDJNIe21stdFIT, 0, 0.025)$value/0.025	DJNIe21stdEST
	fDJNIe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIe11norEST<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*integrate(fDJNIe11norFIT, 0, 0.025)$value/0.025	DJNIe11norEST
	fDJNIe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNIe22norEST<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*integrate(fDJNIe22norFIT, 0, 0.025)$value/0.025	DJNIe22norEST
	fDJSIg12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIg12gedEST<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*integrate(fDJSIg12gedFIT, 0, 0.025)$value/0.025	DJSIg12gedEST
2.268247	fDJSIs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIs11stdEST<-DJSIs11stdFORE@forecast$series+DJSIs11stdFORE@forecast$sigma*integrate(fDJSIs11stdFIT, 0, 0.025)$value/0.025	DJSIs11stdEST
2.265672	fDJSIg11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIg11stdEST<-DJSIg11stdFORE@forecast$series+DJSIg11stdFORE@forecast$sigma*integrate(fDJSIg11stdFIT, 0, 0.025)$value/0.025	DJSIg11stdEST
2.139681	fDJSIc11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSIc11stdEST<-DJSIc11stdFORE@forecast$series+DJSIc11stdFORE@forecast$sigma*integrate(fDJSIc11stdFIT, 0, 0.025)$value/0.025	DJSIc11stdEST
2.133549	fDJSUs11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUs11stdEST<-DJSUs11stdFORE@forecast$series+DJSUs11stdFORE@forecast$sigma*integrate(fDJSUs11stdFIT, 0, 0.025)$value/0.025	DJSUs11stdEST
2.202969	fDJSUe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUe22stdEST<-DJSUe22stdFORE@forecast$series+DJSUe22stdFORE@forecast$sigma*integrate(fDJSUe22stdFIT, 0, 0.025)$value/0.025	DJSUe22stdEST
2.189896	fDJSUe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUe21stdEST<-DJSUe21stdFORE@forecast$series+DJSUe21stdFORE@forecast$sigma*integrate(fDJSUe21stdFIT, 0, 0.025)$value/0.025	DJSUe21stdEST
2.131863	fDJSUg22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUg22stdEST<-DJSUg22stdFORE@forecast$series+DJSUg22stdFORE@forecast$sigma*integrate(fDJSUg22stdFIT, 0, 0.025)$value/0.025	DJSUg22stdEST
2.136393	fDJSUg21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUg21stdEST<-DJSUg21stdFORE@forecast$series+DJSUg21stdFORE@forecast$sigma*integrate(fDJSUg21stdFIT, 0, 0.025)$value/0.025	DJSUg21stdEST
	fDJSUs12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSUs12norEST<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*integrate(fDJSUs12norFIT, 0, 0.025)$value/0.025	DJSUs12norEST
	fDJWEe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe11gedEST<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*integrate(fDJWEe11gedFIT, 0, 0.025)$value/0.025	DJWEe11gedEST
	fDJWEe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe12gedEST<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*integrate(fDJWEe12gedFIT, 0, 0.025)$value/0.025	DJWEe12gedEST
3.174978	fDJWEe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe11stdEST<-DJWEe11stdFORE@forecast$series+DJWEe11stdFORE@forecast$sigma*integrate(fDJWEe11stdFIT, 0, 0.025)$value/0.025	DJWEe11stdEST
3.1672	fDJWEe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe12stdEST<-DJWEe12stdFORE@forecast$series+DJWEe12stdFORE@forecast$sigma*integrate(fDJWEe12stdFIT, 0, 0.025)$value/0.025	DJWEe12stdEST
	fDJWEe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe11norEST<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*integrate(fDJWEe11norFIT, 0, 0.025)$value/0.025	DJWEe11norEST
	fDJWEe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEe12norEST<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*integrate(fDJWEe12norFIT, 0, 0.025)$value/0.025	DJWEe12norEST
	fDJWEg11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJWEg11norEST<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*integrate(fDJWEg11norFIT, 0, 0.025)$value/0.025	DJWEg11norEST
2.343198	fDJZIe22stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe22stdEST<-DJZIe22stdFORE@forecast$series+DJZIe22stdFORE@forecast$sigma*integrate(fDJZIe22stdFIT, 0, 0.025)$value/0.025	DJZIe22stdEST
2.359452	fDJZIe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe21stdEST<-DJZIe21stdFORE@forecast$series+DJZIe21stdFORE@forecast$sigma*integrate(fDJZIe21stdFIT, 0, 0.025)$value/0.025	DJZIe21stdEST
	fDJZIs11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIs11norEST<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*integrate(fDJZIs11norFIT, 0, 0.025)$value/0.025	DJZIs11norEST
	fDJZIe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe11norEST<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*integrate(fDJZIe11norFIT, 0, 0.025)$value/0.025	DJZIe11norEST
	fDJZIe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIe12norEST<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*integrate(fDJZIe12norFIT, 0, 0.025)$value/0.025	DJZIe12norEST
	fDJZIg12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJZIg12norEST<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*integrate(fDJZIg12norFIT, 0, 0.025)$value/0.025	DJZIg12norEST
	fDJLHe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe11gedEST<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*integrate(fDJLHe11gedFIT, 0, 0.025)$value/0.025	DJLHe11gedEST
	fDJLHe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe12gedEST<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*integrate(fDJLHe12gedFIT, 0, 0.025)$value/0.025	DJLHe12gedEST
2.476015	fDJLHe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe11stdEST<-DJLHe11stdFORE@forecast$series+DJLHe11stdFORE@forecast$sigma*integrate(fDJLHe11stdFIT, 0, 0.025)$value/0.025	DJLHe11stdEST
2.514619	fDJLHe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe12stdEST<-DJLHe12stdFORE@forecast$series+DJLHe12stdFORE@forecast$sigma*integrate(fDJLHe12stdFIT, 0, 0.025)$value/0.025	DJLHe12stdEST
	fDJLHe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe11norEST<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*integrate(fDJLHe11norFIT, 0, 0.025)$value/0.025	DJLHe11norEST
	fDJLHe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJLHe12norEST<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*integrate(fDJLHe12norFIT, 0, 0.025)$value/0.025	DJLHe12norEST
3.647092	fDJNGe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNGe21stdEST<-DJNGe21stdFORE@forecast$series+DJNGe21stdFORE@forecast$sigma*integrate(fDJNGe21stdFIT, 0, 0.025)$value/0.025	DJNGe21stdEST
	fDJNGe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJNGe22norEST<-DJNGe22norFORE@forecast$series+DJNGe22norFORE@forecast$sigma*integrate(fDJNGe22norFIT, 0, 0.025)$value/0.025	DJNGe22norEST
	fDJPEe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe11gedEST<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*integrate(fDJPEe11gedFIT, 0, 0.025)$value/0.025	DJPEe11gedEST
	fDJPEe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe12gedEST<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*integrate(fDJPEe12gedFIT, 0, 0.025)$value/0.025	DJPEe12gedEST
2.487423	fDJPEe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe11stdEST<-DJPEe11stdFORE@forecast$series+DJPEe11stdFORE@forecast$sigma*integrate(fDJPEe11stdFIT, 0, 0.025)$value/0.025	DJPEe11stdEST
2.51498	fDJPEe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe12stdEST<-DJPEe12stdFORE@forecast$series+DJPEe12stdFORE@forecast$sigma*integrate(fDJPEe12stdFIT, 0, 0.025)$value/0.025	DJPEe12stdEST
	fDJPEe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe11norEST<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*integrate(fDJPEe11norFIT, 0, 0.025)$value/0.025	DJPEe11norEST
	fDJPEe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJPEe12norEST<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*integrate(fDJPEe12norFIT, 0, 0.025)$value/0.025	DJPEe12norEST
	fDJSOe21gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe21gedEST<-DJSOe21gedFORE@forecast$series+DJSOe21gedFORE@forecast$sigma*integrate(fDJSOe21gedFIT, 0, 0.025)$value/0.025	DJSOe21gedEST
2.670871	fDJSOe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe21stdEST<-DJSOe21stdFORE@forecast$series+DJSOe21stdFORE@forecast$sigma*integrate(fDJSOe21stdFIT, 0, 0.025)$value/0.025	DJSOe21stdEST
	fDJSOe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe11norEST<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*integrate(fDJSOe11norFIT, 0, 0.025)$value/0.025	DJSOe11norEST
	fDJSOe22norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe22norEST<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*integrate(fDJSOe22norFIT, 0, 0.025)$value/0.025	DJSOe22norEST
	fDJSOe21norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fDJSOe21norEST<-DJSOe21norFORE@forecast$series+DJSOe21norFORE@forecast$sigma*integrate(fDJSOe21norFIT, 0, 0.025)$value/0.025	DJSOe21norEST
	fSEFPs11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPs11gedEST<-SEFPs11gedFORE@forecast$series+SEFPs11gedFORE@forecast$sigma*integrate(fSEFPs11gedFIT, 0, 0.025)$value/0.025	SEFPs11gedEST
	fSEFPe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe11gedEST<-SEFPe11gedFORE@forecast$series+SEFPe11gedFORE@forecast$sigma*integrate(fSEFPe11gedFIT, 0, 0.025)$value/0.025	SEFPe11gedEST
	fSEFPe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe12gedEST<-SEFPe12gedFORE@forecast$series+SEFPe12gedFORE@forecast$sigma*integrate(fSEFPe12gedFIT, 0, 0.025)$value/0.025	SEFPe12gedEST
2.22418	fSEFPe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe11stdEST<-SEFPe11stdFORE@forecast$series+SEFPe11stdFORE@forecast$sigma*integrate(fSEFPe11stdFIT, 0, 0.025)$value/0.025	SEFPe11stdEST
2.19512	fSEFPe12stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe12stdEST<-SEFPe12stdFORE@forecast$series+SEFPe12stdFORE@forecast$sigma*integrate(fSEFPe12stdFIT, 0, 0.025)$value/0.025	SEFPe12stdEST
	fSEFPs11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPs11norEST<-SEFPs11norFORE@forecast$series+SEFPs11norFORE@forecast$sigma*integrate(fSEFPs11norFIT, 0, 0.025)$value/0.025	SEFPs11norEST
	fSEFPe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe11norEST<-SEFPe11norFORE@forecast$series+SEFPe11norFORE@forecast$sigma*integrate(fSEFPe11norFIT, 0, 0.025)$value/0.025	SEFPe11norEST
	fSEFPe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFPe12norEST<-SEFPe12norFORE@forecast$series+SEFPe12norFORE@forecast$sigma*integrate(fSEFPe12norFIT, 0, 0.025)$value/0.025	SEFPe12norEST
	fSEECs11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECs11gedEST<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*integrate(fSEECs11gedFIT, 0, 0.025)$value/0.025	SEECs11gedEST
	fSEECe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe11gedEST<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*integrate(fSEECe11gedFIT, 0, 0.025)$value/0.025	SEECe11gedEST
	fSEECe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe12gedEST<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*integrate(fSEECe12gedFIT, 0, 0.025)$value/0.025	SEECe12gedEST
2.367729	fSEECe21stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe21stdEST<-SEECe21stdFORE@forecast$series+SEECe21stdFORE@forecast$sigma*integrate(fSEECe21stdFIT, 0, 0.025)$value/0.025	SEECe21stdEST
	fSEECs12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECs12norEST<-SEECs12norFORE@forecast$series+SEECs12norFORE@forecast$sigma*integrate(fSEECs12norFIT, 0, 0.025)$value/0.025	SEECs12norEST
	fSEECe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe11norEST<-SEECe11norFORE@forecast$series+SEECe11norFORE@forecast$sigma*integrate(fSEECe11norFIT, 0, 0.025)$value/0.025	SEECe11norEST
	fSEECe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEECe12norEST<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*integrate(fSEECe12norFIT, 0, 0.025)$value/0.025	SEECe12norEST
	fSEFLe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLe11gedEST<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*integrate(fSEFLe11gedFIT, 0, 0.025)$value/0.025	SEFLe11gedEST
	fSEFLg11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLg11gedEST<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*integrate(fSEFLg11gedFIT, 0, 0.025)$value/0.025	SEFLg11gedEST
	fSEFLe11norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLe11norEST<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*integrate(fSEFLe11norFIT, 0, 0.025)$value/0.025	SEFLe11norEST
	fSEFLe12norFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEFLe12norEST<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*integrate(fSEFLe12norFIT, 0, 0.025)$value/0.025	SEFLe12norEST
	fSEUTe11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe11gedEST<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*integrate(fSEUTe11gedFIT, 0, 0.025)$value/0.025	SEUTe11gedEST
	fSEUTe12gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe12gedEST<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*integrate(fSEUTe12gedFIT, 0, 0.025)$value/0.025	SEUTe12gedEST
	fSEUTc11gedFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTc11gedEST<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*integrate(fSEUTc11gedFIT, 0, 0.025)$value/0.025	SEUTc11gedEST
2.33425	fSEUTe11stdFIT = function(x) qdist("std", p=x, mu = 0, sigma = 1, shape=2.5)	fSEUTe11stdEST<-SEUTe11stdFOR

	LITCs11gedFIT	fLITCs11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCs11gedESST<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*integrate(fLITCs11gedFIT, 0, 0.025)$value/0.025	LITCs11gedESST
	LITCc11gedFIT	fLITCc11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc11gedESST<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*integrate(fLITCc11gedFIT, 0, 0.025)$value/0.025	LITCc11gedESST
	LITCc12gedFIT	fLITCc12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc12gedESST<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*integrate(fLITCc12gedFIT, 0, 0.025)$value/0.025	LITCc12gedESST
	LITCs11norFIT	fLITCs11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCs11norESST<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*integrate(fLITCs11norFIT, 0, 0.025)$value/0.025	LITCs11norESST
	LITCe11norFIT	fLITCe11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCe11norESST<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*integrate(fLITCe11norFIT, 0, 0.025)$value/0.025	LITCe11norESST
	LITCe12norFIT	fLITCe12norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCe12norESST<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*integrate(fLITCe12norFIT, 0, 0.025)$value/0.025	LITCe12norESST
	LITCe21norFIT	fLITCe21norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCe21norESST<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*integrate(fLITCe21norFIT, 0, 0.025)$value/0.025	LITCe21norESST
	LITCg11norFIT	fLITCg11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCg11norESST<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*integrate(fLITCg11norFIT, 0, 0.025)$value/0.025	LITCg11norESST
	LITCc11norFIT	fLITCc11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc11norESST<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*integrate(fLITCc11norFIT, 0, 0.025)$value/0.025	LITCc11norESST
	LITCc12norFIT	fLITCc12norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	LITCc12norESST<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*integrate(fLITCc12norFIT, 0, 0.025)$value/0.025	LITCc12norESST
	GREXe11gedFIT	fGREXe11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	GREXe11gedESST<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*integrate(fGREXe11gedFIT, 0, 0.025)$value/0.025	GREXe11gedESST
	GREXe12gedFIT	fGREXe12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	GREXe12gedESST<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*integrate(fGREXe12gedFIT, 0, 0.025)$value/0.025	GREXe12gedESST
	GREXe21gedFIT	fGREXe21gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	GREXe21gedESST<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*integrate(fGREXe21gedFIT, 0, 0.025)$value/0.025	GREXe21gedESST
	DAXPs11gedFIT	fDAXPs11gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPs11gedESST<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*integrate(fDAXPs11gedFIT, 0, 0.025)$value/0.025	DAXPs11gedESST
2.669937	DAXPs11stdFIT	fDAXPs11stdFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPs11stdESST<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*integrate(fDAXPs11stdFIT, 0, 0.025)$value/0.025	DAXPs11stdESST
	DAXPs12norFIT	fDAXPs12norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPs12norESST<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*integrate(fDAXPs12norFIT, 0, 0.025)$value/0.025	DAXPs12norESST
	DAXPe11norFIT	fDAXPe11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPe11norESST<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*integrate(fDAXPe11norFIT, 0, 0.025)$value/0.025	DAXPe11norESST
	DAXPg11norFIT	fDAXPg11norFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)	DAXPg11norESST<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*integrate(fDAXPg11norFIT, 0, 0.025)$value/0.025	DAXPg11norESST

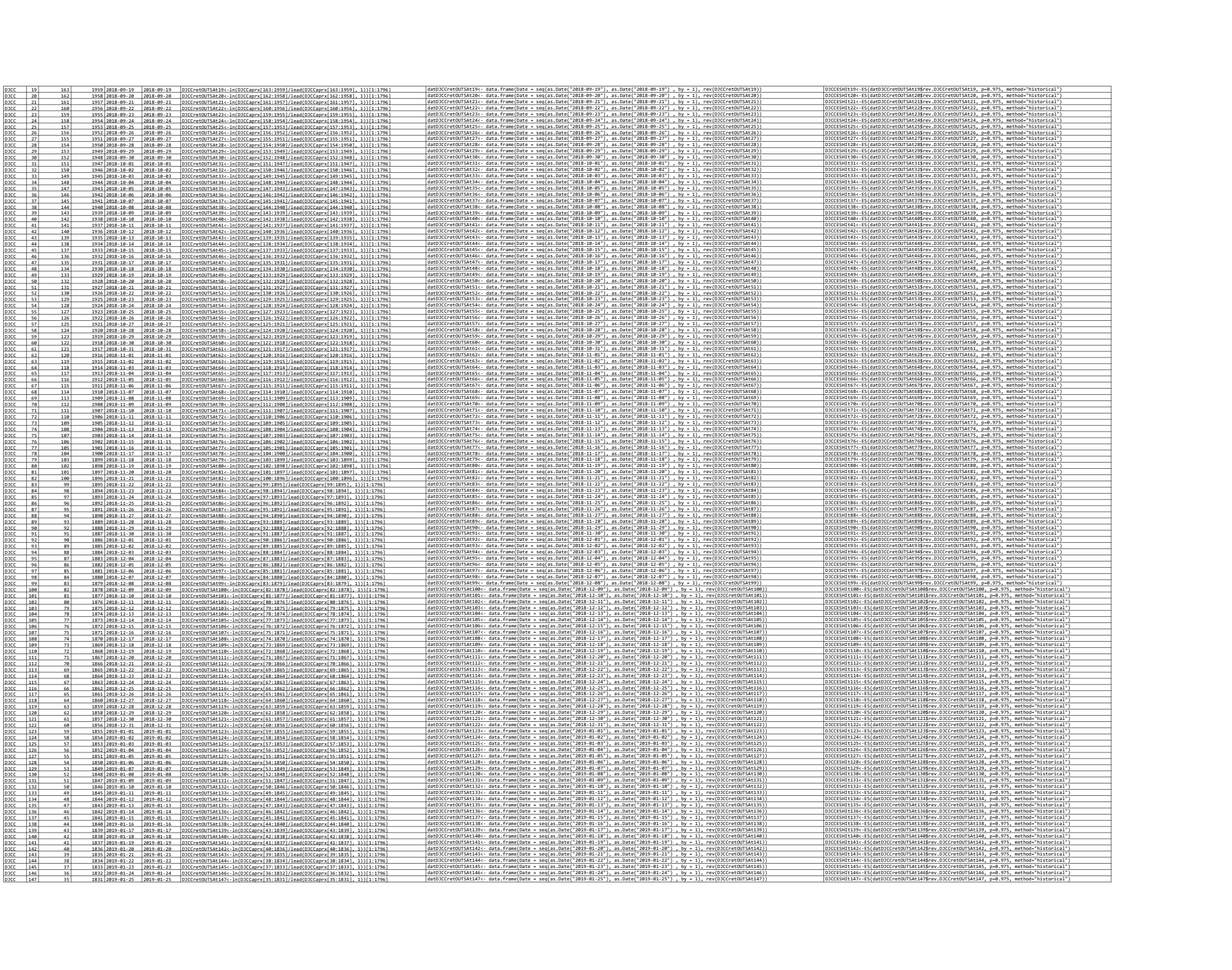
Df		Function	Expected Shortfall Normal Distribution	Extract Data
	DJACe11gedFIT	fnDJACe11ged= function(x) qdist("norm", p=x)	DJACe11gedESNO<-DJACe11gedFORE@forecast$series+DJACe11gedFORE@forecast$sigma*integrate(fnDJACe11ged, 0, 0.025)$value/0.025	DJACe11gedESNO
	DJACe12gedFIT	fnDJACe12ged= function(x) qdist("norm", p=x)	DJACe12gedESNO<-DJACe12gedFORE@forecast$series+DJACe12gedFORE@forecast$sigma*integrate(fnDJACe12ged, 0, 0.025)$value/0.025	DJACe12gedESNO
2.100003	DJACe11stdFIT	fnDJACe11std= function(x) qdist("norm", p=x)	DJACe11stdESNO<-DJACe11stdFORE@forecast$series+DJACe11stdFORE@forecast$sigma*integrate(fnDJACe11std, 0, 0.025)$value/0.025	DJACe11stdESNO
2.10432	DJACe12stdFIT	fnDJACe12std= function(x) qdist("norm", p=x)	DJACe12stdESNO<-DJACe12stdFORE@forecast$series+DJACe12stdFORE@forecast$sigma*integrate(fnDJACe12std, 0, 0.025)$value/0.025	DJACe12stdESNO
	DJACe11norFIT	fnDJACe11nor= function(x) qdist("norm", p=x)	DJACe11norESNO<-DJACe11norFORE@forecast$series+DJACe11norFORE@forecast$sigma*integrate(fnDJACe11nor, 0, 0.025)$value/0.025	DJACe11norESNO
	DJACe12norFIT	fnDJACe12norm= function(x) qdist("norm", p=x)	DJACe12norESNO<-DJACe12norFORE@forecast$series+DJACe12norFORE@forecast$sigma*integrate(fnDJACe12nor, 0, 0.025)$value/0.025	DJACe12norESNO
	DJACe21norFIT	fnDJACe21norm= function(x) qdist("norm", p=x)	DJACe21norESNO<-DJACe21norFORE@forecast$series+DJACe21norFORE@forecast$sigma*integrate(fnDJACe21nor, 0, 0.025)$value/0.025	DJACe21norESNO
	DJALs11gedFIT	fnDJALs11ged= function(x) qdist("norm", p=x)	DJALs11gedESNO<-DJALs11gedFORE@forecast$series+DJALs11gedFORE@forecast$sigma*integrate(fnDJALs11ged, 0, 0.025)$value/0.025	DJALs11gedESNO
	DJALe11gedFIT	fnDJALe11ged= function(x) qdist("norm", p=x)	DJALe11gedESNO<-DJALe11gedFORE@forecast$series+DJALe11gedFORE@forecast$sigma*integrate(fnDJALe11ged, 0, 0.025)$value/0.025	DJALe11gedESNO
	DJALe12gedFIT	fnDJALe12ged= function(x) qdist("norm", p=x)	DJALe12gedESNO<-DJALe12gedFORE@forecast$series+DJALe12gedFORE@forecast$sigma*integrate(fnDJALe12ged, 0, 0.025)$value/0.025	DJALe12gedESNO
	DJALc11gedFIT	fnDJALc11ged= function(x) qdist("norm", p=x)	DJALc11gedESNO<-DJALc11gedFORE@forecast$series+DJALc11gedFORE@forecast$sigma*integrate(fnDJALc11ged, 0, 0.025)$value/0.025	DJALc11gedESNO
2.63105	DJALe11stdFIT	fnDJALe11std= function(x) qdist("norm", p=x)	DJALe11stdESNO<-DJALe11stdFORE@forecast$series+DJALe11stdFORE@forecast$sigma*integrate(fnDJALe11std, 0, 0.025)$value/0.025	DJALe11stdESNO
2.664155	DJALg11stdFIT	fnDJALg11std= function(x) qdist("norm", p=x)	DJALg11stdESNO<-DJALg11stdFORE@forecast$series+DJALg11stdFORE@forecast$sigma*integrate(fnDJALg11std, 0, 0.025)$value/0.025	DJALg11stdESNO
	DJALe11norFIT	fnDJALe11norm= function(x) qdist("norm", p=x)	DJALe11norESNO<-DJALe11norFORE@forecast$series+DJALe11norFORE@forecast$sigma*integrate(fnDJALe11nor, 0, 0.025)$value/0.025	DJALe11norESNO
	DJALe12norFIT	fnDJALe12norm= function(x) qdist("norm", p=x)	DJALe12norESNO<-DJALe12norFORE@forecast$series+DJALe12norFORE@forecast$sigma*integrate(fnDJALe12nor, 0, 0.025)$value/0.025	DJALe12norESNO
	DJCCe11gedFIT	fnDJCCe11ged= function(x) qdist("norm", p=x)	DJCCe11gedESNO<-DJCCe11gedFORE@forecast$series+DJCCe11gedFORE@forecast$sigma*integrate(fnDJCCe11ged, 0, 0.025)$value/0.025	DJCCe11gedESNO
	DJCCe12gedFIT	fnDJCCe12ged= function(x) qdist("norm", p=x)	DJCCe12gedESNO<-DJCCe12gedFORE@forecast$series+DJCCe12gedFORE@forecast$sigma*integrate(fnDJCCe12ged, 0, 0.025)$value/0.025	DJCCe12gedESNO
3.297168	DJCCs11stdFIT	fnDJCCs11std= function(x) qdist("norm", p=x)	DJCCs11stdESNO<-DJCCs11stdFORE@forecast$series+DJCCs11stdFORE@forecast$sigma*integrate(fnDJCCs11std, 0, 0.025)$value/0.025	DJCCs11stdESNO
2.820568	DJCCe11stdFIT	fnDJCCe11std= function(x) qdist("norm", p=x)	DJCCe11stdESNO<-DJCCe11stdFORE@forecast$series+DJCCe11stdFORE@forecast$sigma*integrate(fnDJCCe11std, 0, 0.025)$value/0.025	DJCCe11stdESNO
	DJCFe22gedFIT	fnDJCFe22ged= function(x) qdist("norm", p=x)	DJCFe22gedESNO<-DJCFe22gedFORE@forecast$series+DJCFe22gedFORE@forecast$sigma*integrate(fnDJCFe22ged, 0, 0.025)$value/0.025	DJCFe22gedESNO
	DJCFe12gedFIT	fnDJCFe12ged= function(x) qdist("norm", p=x)	DJCFe12gedESNO<-DJCFe12gedFORE@forecast$series+DJCFe12gedFORE@forecast$sigma*integrate(fnDJCFe12ged, 0, 0.025)$value/0.025	DJCFe12gedESNO
	DJCFg21gedFIT	fnDJCFg21ged= function(x) qdist("norm", p=x)	DJCFg21gedESNO<-DJCFg21gedFORE@forecast$series+DJCFg21gedFORE@forecast$sigma*integrate(fnDJCFg21ged, 0, 0.025)$value/0.025	DJCFg21gedESNO
2.811017	DJCFe21stdFIT	fnDJCFe21std= function(x) qdist("norm", p=x)	DJCFe21stdESNO<-DJCFe21stdFORE@forecast$series+DJCFe21stdFORE@forecast$sigma*integrate(fnDJCFe21std, 0, 0.025)$value/0.025	DJCFe21stdESNO
	DJCFe11norFIT	fnDJCFe11norm= function(x) qdist("norm", p=x)	DJCFe11norESNO<-DJCFe11norFORE@forecast$series+DJCFe11norFORE@forecast$sigma*integrate(fnDJCFe11nor, 0, 0.025)$value/0.025	DJCFe11norESNO
	DJCFe22norFIT	fnDJCFe22norm= function(x) qdist("norm", p=x)	DJCFe22norESNO<-DJCFe22norFORE@forecast$series+DJCFe22norFORE@forecast$sigma*integrate(fnDJCFe22nor, 0, 0.025)$value/0.025	DJCFe22norESNO
	DJCFe12norFIT	fnDJCFe12norm= function(x) qdist("norm", p=x)	DJCFe12norESNO<-DJCFe12norFORE@forecast$series+DJCFe12norFORE@forecast$sigma*integrate(fnDJCFe12nor, 0, 0.025)$value/0.025	DJCFe12norESNO
	DJCFe21norFIT	fnDJCFe21norm= function(x) qdist("norm", p=x)	DJCFe21norESNO<-DJCFe21norFORE@forecast$series+DJCFe21norFORE@forecast$sigma*integrate(fnDJCFe21nor, 0, 0.025)$value/0.025	DJCFe21norESNO
	DJCFg22norFIT	fnDJCFg22norm= function(x) qdist("norm", p=x)	DJCFg22norESNO<-DJCFg22norFORE@forecast$series+DJCFg22norFORE@forecast$sigma*integrate(fnDJCFg22nor, 0, 0.025)$value/0.025	DJCFg22norESNO
	DJCFg21norFIT	fnDJCFg21norm= function(x) qdist("norm", p=x)	DJCFg21norESNO<-DJCFg21norFORE@forecast$series+DJCFg21norFORE@forecast$sigma*integrate(fnDJCFg21nor, 0, 0.025)$value/0.025	DJCFg21norESNO
2.180832	DJCPe22stdFIT	fnDJCPe22std= function(x) qdist("norm", p=x)	DJCPe22stdESNO<-DJCPe22stdFORE@forecast$series+DJCPe22stdFORE@forecast$sigma*integrate(fnDJCPe22std, 0, 0.025)$value/0.025	DJCPe22stdESNO
2.218328	DJCPe21stdFIT	fnDJCPe21std= function(x) qdist("norm", p=x)	DJCPe21stdESNO<-DJCPe21stdFORE@forecast$series+DJCPe21stdFORE@forecast$sigma*integrate(fnDJCPe21std, 0, 0.025)$value/0.025	DJCPe21stdESNO
	DJCTg21gedFIT	fnDJCTg21ged= function(x) qdist("norm", p=x)	DJCTg21gedESNO<-DJCTg21gedFORE@forecast$series+DJCTg21gedFORE@forecast$sigma*integrate(fnDJCTg21ged, 0, 0.025)$value/0.025	DJCTg21gedESNO
2.799802	DJCTs12stdFIT	fnDJCTs12std= function(x) qdist("norm", p=x)	DJCTs12stdESNO<-DJCTs12stdFORE@forecast$series+DJCTs12stdFORE@forecast$sigma*integrate(fnDJCTs12std, 0, 0.025)$value/0.025	DJCTs12stdESNO
2.780122	DJCTe12stdFIT	fnDJCTe12std= function(x) qdist("norm", p=x)	DJCTe12stdESNO<-DJCTe12stdFORE@forecast$series+DJCTe12stdFORE@forecast$sigma*integrate(fnDJCTe12std, 0, 0.025)$value/0.025	DJCTe12stdESNO
	DJCTe11norFIT	fnDJCTe11norm= function(x) qdist("norm", p=x)	DJCTe11norESNO<-DJCTe11norFORE@forecast$series+DJCTe11norFORE@forecast$sigma*integrate(fnDJCTe11nor, 0, 0.025)$value/0.025	DJCTe11norESNO
	DJCTe12norFIT	fnDJCTe12norm= function(x) qdist("norm", p=x)	DJCTe12norESNO<-DJCTe12norFORE@forecast$series+DJCTe12norFORE@forecast$sigma*integrate(fnDJCTe12nor, 0, 0.025)$value/0.025	DJCTe12norESNO
	DJCTg12norFIT	fnDJCTg12norm= function(x) qdist("norm", p=x)	DJCTg12norESNO<-DJCTg12norFORE@forecast$series+DJCTg12norFORE@forecast$sigma*integrate(fnDJCTg12nor, 0, 0.025)$value/0.025	DJCTg12norESNO
2.41309	DJNIs11stdFIT	fnDJNIs11std= function(x) qdist("norm", p=x)	DJNIs11stdESNO<-DJNIs11stdFORE@forecast$series+DJNIs11stdFORE@forecast$sigma*integrate(fnDJNIs11std, 0, 0.025)$value/0.025	DJNIs11stdESNO
2.180001	DJNIe21stdFIT	fnDJNIe21std= function(x) qdist("norm", p=x)	DJNIe21stdESNO<-DJNIe21stdFORE@forecast$series+DJNIe21stdFORE@forecast$sigma*integrate(fnDJNIe21std, 0, 0.025)$value/0.025	DJNIe21stdESNO
	DJNIe11norFIT	fnDJNIe11norm= function(x) qdist("norm", p=x)	DJNIe11norESNO<-DJNIe11norFORE@forecast$series+DJNIe11norFORE@forecast$sigma*integrate(fnDJNIe11nor, 0, 0.025)$value/0.025	DJNIe11norESNO
	DJNIe22norFIT	fnDJNIe22norm= function(x) qdist("norm", p=x)	DJNIe22norESNO<-DJNIe22norFORE@forecast$series+DJNIe22norFORE@forecast$sigma*integrate(fnDJNIe22nor, 0, 0.025)$value/0.025	DJNIe22norESNO
	DJSIg12gedFIT	fnDJSIg12ged= function(x) qdist("norm", p=x)	DJSIg12gedESNO<-DJSIg12gedFORE@forecast$series+DJSIg12gedFORE@forecast$sigma*integrate(fnDJSIg12ged, 0, 0.025)$value/0.025	DJSIg12gedESNO
2.268247	DJSIs11stdFIT	fnDJSIs11std= function(x) qdist("norm", p=x)	DJSIs11stdESNO<-DJSIs11stdFORE@forecast$series+DJSIs11stdFORE@forecast$sigma*integrate(fnDJSIs11std, 0, 0.025)$value/0.025	DJSIs11stdESNO
2.265672	DJSIg11stdFIT	fnDJSIg11std= function(x) qdist("norm", p=x)	DJSIg11stdESNO<-DJSIg11stdFORE@forecast$series+DJSIg11stdFORE@forecast$sigma*integrate(fnDJSIg11std, 0, 0.025)$value/0.025	DJSIg11stdESNO
2.339681	DJSIc11stdFIT	fnDJSIc11std= function(x) qdist("norm", p=x)	DJSIc11stdESNO<-DJSIc11stdFORE@forecast$series+DJSIc11stdFORE@forecast$sigma*integrate(fnDJSIc11std, 0, 0.025)$value/0.025	DJSIc11stdESNO
2.133549	DJSUs11stdFIT	fnDJSUs11std= function(x) qdist("norm", p=x)	DJSUs11stdESNO<-DJSUs11stdFORE@forecast$series+DJSUs11stdFORE@forecast$sigma*integrate(fnDJSUs11std, 0, 0.025)$value/0.025	DJSUs11stdESNO
2.202969	DJSUe22stdFIT	fnDJSUe22std= function(x) qdist("norm", p=x)	DJSUe22stdESNO<-DJSUe22stdFORE@forecast$series+DJSUe22stdFORE@forecast$sigma*integrate(fnDJSUe22std, 0, 0.025)$value/0.025	DJSUe22stdESNO
2.189896	DJSUe21stdFIT	fnDJSUe21std= function(x) qdist("norm", p=x)	DJSUe21stdESNO<-DJSUe21stdFORE@forecast$series+DJSUe21stdFORE@forecast$sigma*integrate(fnDJSUe21std, 0, 0.025)$value/0.025	DJSUe21stdESNO
2.131863	DJSUg22stdFIT	fnDJSUg22std= function(x) qdist("norm", p=x)	DJSUg22stdESNO<-DJSUg22stdFORE@forecast$series+DJSUg22stdFORE@forecast$sigma*integrate(fnDJSUg22std, 0, 0.025)$value/0.025	DJSUg22stdESNO
2.136393	DJSUg21stdFIT	fnDJSUg21std= function(x) qdist("norm", p=x)	DJSUg21stdESNO<-DJSUg21stdFORE@forecast$series+DJSUg21stdFORE@forecast$sigma*integrate(fnDJSUg21std, 0, 0.025)$value/0.025	DJSUg21stdESNO
	DJSUs12norFIT	fnDJSUs12norm= function(x) qdist("norm", p=x)	DJSUs12norESNO<-DJSUs12norFORE@forecast$series+DJSUs12norFORE@forecast$sigma*integrate(fnDJSUs12nor, 0, 0.025)$value/0.025	DJSUs12norESNO
	DJWEe11gedFIT	fnDJWEe11ged= function(x) qdist("norm", p=x)	DJWEe11gedESNO<-DJWEe11gedFORE@forecast$series+DJWEe11gedFORE@forecast$sigma*integrate(fnDJWEe11ged, 0, 0.025)$value/0.025	DJWEe11gedESNO
	DJWEe12gedFIT	fnDJWEe12ged= function(x) qdist("norm", p=x)	DJWEe12gedESNO<-DJWEe12gedFORE@forecast$series+DJWEe12gedFORE@forecast$sigma*integrate(fnDJWEe12ged, 0, 0.025)$value/0.025	DJWEe12gedESNO
3.174978	DJWEe11stdFIT	fnDJWEe11std= function(x) qdist("norm", p=x)	DJWEe11stdESNO<-DJWEe11stdFORE@forecast$series+DJWEe11stdFORE@forecast$sigma*integrate(fnDJWEe11std, 0, 0.025)$value/0.025	DJWEe11stdESNO
3.1672	DJWEe12stdFIT	fnDJWEe12std= function(x) qdist("norm", p=x)	DJWEe12stdESNO<-DJWEe12stdFORE@forecast$series+DJWEe12stdFORE@forecast$sigma*integrate(fnDJWEe12std, 0, 0.025)$value/0.025	DJWEe12stdESNO
	DJWEe11norFIT	fnDJWEe11norm= function(x) qdist("norm", p=x)	DJWEe11norESNO<-DJWEe11norFORE@forecast$series+DJWEe11norFORE@forecast$sigma*integrate(fnDJWEe11nor, 0, 0.025)$value/0.025	DJWEe11norESNO
	DJWEe12norFIT	fnDJWEe12norm= function(x) qdist("norm", p=x)	DJWEe12norESNO<-DJWEe12norFORE@forecast$series+DJWEe12norFORE@forecast$sigma*integrate(fnDJWEe12nor, 0, 0.025)$value/0.025	DJWEe12norESNO
	DJWEg11norFIT	fnDJWEg11norm= function(x) qdist("norm", p=x)	DJWEg11norESNO<-DJWEg11norFORE@forecast$series+DJWEg11norFORE@forecast$sigma*integrate(fnDJWEg11nor, 0, 0.025)$value/0.025	DJWEg11norESNO
2.343198	DJZIe22stdFIT	fnDJZIe22std= function(x) qdist("norm", p=x)	DJZIe22stdESNO<-DJZIe22stdFORE@forecast$series+DJZIe22stdFORE@forecast$sigma*integrate(fnDJZIe22std, 0, 0.025)$value/0.025	DJZIe22stdESNO
2.359452	DJZIe21stdFIT	fnDJZIe21std= function(x) qdist("norm", p=x)	DJZIe21stdESNO<-DJZIe21stdFORE@forecast$series+DJZIe21stdFORE@forecast$sigma*integrate(fnDJZIe21std, 0, 0.025)$value/0.025	DJZIe21stdESNO
	DJZIs11norFIT	fnDJZIs11norm= function(x) qdist("norm", p=x)	DJZIs11norESNO<-DJZIs11norFORE@forecast$series+DJZIs11norFORE@forecast$sigma*integrate(fnDJZIs11nor, 0, 0.025)$value/0.025	DJZIs11norESNO
	DJZIe11norFIT	fnDJZIe11norm= function(x) qdist("norm", p=x)	DJZIe11norESNO<-DJZIe11norFORE@forecast$series+DJZIe11norFORE@forecast$sigma*integrate(fnDJZIe11nor, 0, 0.025)$value/0.025	DJZIe11norESNO
	DJZIe12norFIT	fnDJZIe12norm= function(x) qdist("norm", p=x)	DJZIe12norESNO<-DJZIe12norFORE@forecast$series+DJZIe12norFORE@forecast$sigma*integrate(fnDJZIe12nor, 0, 0.025)$value/0.025	DJZIe12norESNO
	DJZIg12norFIT	fnDJZIg12norm= function(x) qdist("norm", p=x)	DJZIg12norESNO<-DJZIg12norFORE@forecast$series+DJZIg12norFORE@forecast$sigma*integrate(fnDJZIg12nor, 0, 0.025)$value/0.025	DJZIg12norESNO
	DJLHe11gedFIT	fnDJLHe11ged= function(x) qdist("norm", p=x)	DJLHe11gedESNO<-DJLHe11gedFORE@forecast$series+DJLHe11gedFORE@forecast$sigma*integrate(fnDJLHe11ged, 0, 0.025)$value/0.025	DJLHe11gedESNO
	DJLHe12gedFIT	fnDJLHe12ged= function(x) qdist("norm", p=x)	DJLHe12gedESNO<-DJLHe12gedFORE@forecast$series+DJLHe12gedFORE@forecast$sigma*integrate(fnDJLHe12ged, 0, 0.025)$value/0.025	DJLHe12gedESNO
2.476015	DJLHe11stdFIT	fnDJLHe11std= function(x) qdist("norm", p=x)	DJLHe11stdESNO<-DJLHe11stdFORE@forecast$series+DJLHe11stdFORE@forecast$sigma*integrate(fnDJLHe11std, 0, 0.025)$value/0.025	DJLHe11stdESNO
2.514619	DJLHe12stdFIT	fnDJLHe12std= function(x) qdist("norm", p=x)	DJLHe12stdESNO<-DJLHe12stdFORE@forecast$series+DJLHe12stdFORE@forecast$sigma*integrate(fnDJLHe12std, 0, 0.025)$value/0.025	DJLHe12stdESNO
	DJLHe11norFIT	fnDJLHe11norm= function(x) qdist("norm", p=x)	DJLHe11norESNO<-DJLHe11norFORE@forecast$series+DJLHe11norFORE@forecast$sigma*integrate(fnDJLHe11nor, 0, 0.025)$value/0.025	DJLHe11norESNO
	DJLHe12norFIT	fnDJLHe12norm= function(x) qdist("norm", p=x)	DJLHe12norESNO<-DJLHe12norFORE@forecast$series+DJLHe12norFORE@forecast$sigma*integrate(fnDJLHe12nor, 0, 0.025)$value/0.025	DJLHe12norESNO
3.647092	DJNGe21stdFIT	fnDJNGe21std= function(x) qdist("norm", p=x)	DJNGe21stdESNO<-DJNGe21stdFORE@forecast$series+DJNGe21stdFORE@forecast$sigma*integrate(fnDJNGe21std, 0, 0.025)$value/0.025	DJNGe21stdESNO
	DJNGe12norFIT	fnDJNGe12norm= function(x) qdist("norm", p=x)	DJNGe12norESNO<-DJNGe12norFORE@forecast$series+DJNGe12norFORE@forecast$sigma*integrate(fnDJNGe12nor, 0, 0.025)$value/0.025	DJNGe12norESNO
	DJPEe11gedFIT	fnDJPEe11ged= function(x) qdist("norm", p=x)	DJPEe11gedESNO<-DJPEe11gedFORE@forecast$series+DJPEe11gedFORE@forecast$sigma*integrate(fnDJPEe11ged, 0, 0.025)$value/0.025	DJPEe11gedESNO
	DJPEe12gedFIT	fnDJPEe12ged= function(x) qdist("norm", p=x)	DJPEe12gedESNO<-DJPEe12gedFORE@forecast$series+DJPEe12gedFORE@forecast$sigma*integrate(fnDJPEe12ged, 0, 0.025)$value/0.025	DJPEe12gedESNO
2.487423	DJPEe11stdFIT	fnDJPEe11std= function(x) qdist("norm", p=x)	DJPEe11stdESNO<-DJPEe11stdFORE@forecast$series+DJPEe11stdFORE@forecast$sigma*integrate(fnDJPEe11std, 0, 0.025)$value/0.025	DJPEe11stdESNO
2.514982	DJPEe12stdFIT	fnDJPEe12std= function(x) qdist("norm", p=x)	DJPEe12stdESNO<-DJPEe12stdFORE@forecast$series+DJPEe12stdFORE@forecast$sigma*integrate(fnDJPEe12std, 0, 0.025)$value/0.025	DJPEe12stdESNO
	DJPEe11norFIT	fnDJPEe11norm= function(x) qdist("norm", p=x)	DJPEe11norESNO<-DJPEe11norFORE@forecast$series+DJPEe11norFORE@forecast$sigma*integrate(fnDJPEe11nor, 0, 0.025)$value/0.025	DJPEe11norESNO
	DJPEe12norFIT	fnDJPEe12norm= function(x) qdist("norm", p=x)	DJPEe12norESNO<-DJPEe12norFORE@forecast$series+DJPEe12norFORE@forecast$sigma*integrate(fnDJPEe12nor, 0, 0.025)$value/0.025	DJPEe12norESNO
	DJSOe21gedFIT	fnDJSOe21ged= function(x) qdist("norm", p=x)	DJSOe21gedESNO<-DJSOe21gedFORE@forecast$series+DJSOe21gedFORE@forecast$sigma*integrate(fnDJSOe21ged, 0, 0.025)$value/0.025	DJSOe21gedESNO
2.670871	DJSOe21stdFIT	fnDJSOe21std= function(x) qdist("norm", p=x)	DJSOe21stdESNO<-DJSOe21stdFORE@forecast$series+DJSOe21stdFORE@forecast$sigma*integrate(fnDJSOe21std, 0, 0.025)$value/0.025	DJSOe21stdESNO
	DJSOe11norFIT	fnDJSOe11norm= function(x) qdist("norm", p=x)	DJSOe11norESNO<-DJSOe11norFORE@forecast$series+DJSOe11norFORE@forecast$sigma*integrate(fnDJSOe11nor, 0, 0.025)$value/0.025	DJSOe11norESNO
	DJSOe22norFIT	fnDJSOe22norm= function(x) qdist("norm", p=x)	DJSOe22norESNO<-DJSOe22norFORE@forecast$series+DJSOe22norFORE@forecast$sigma*integrate(fnDJSOe22nor, 0, 0.025)$value/0.025	DJSOe22norESNO
	DJSOe12norFIT	fnDJSOe12norm= function(x) qdist("norm", p=x)	DJSOe12norESNO<-DJSOe12norFORE@forecast$series+DJSOe12norFORE@forecast$sigma*integrate(fnDJSOe12nor, 0, 0.025)$value/0.025	DJSOe12norESNO
	SEFFe11gedFIT	fnSEFFe11ged= function(x) qdist("norm", p=x)	SEFFe11gedESNO<-SEFFe11gedFORE@forecast$series+SEFFe11gedFORE@forecast$sigma*integrate(fnSEFFe11ged, 0, 0.025)$value/0.025	SEFFe11gedESNO
	SEFFe12gedFIT	fnSEFFe12ged= function(x) qdist("norm", p=x)	SEFFe12gedESNO<-SEFFe12gedFORE@forecast$series+SEFFe12gedFORE@forecast$sigma*integrate(fnSEFFe12ged, 0, 0.025)$value/0.025	SEFFe12gedESNO
2.22418	SEFFe11stdFIT	fnSEFFe11std= function(x) qdist("norm", p=x)	SEFFe11stdESNO<-SEFFe11stdFORE@forecast$series+SEFFe11stdFORE@forecast$sigma*integrate(fnSEFFe11std, 0, 0.025)$value/0.025	SEFFe11stdESNO
2.19512	SEFFe12stdFIT	fnSEFFe12std= function(x) qdist("norm", p=x)	SEFFe12stdESNO<-SEFFe12stdFORE@forecast$series+SEFFe12stdFORE@forecast$sigma*integrate(fnSEFFe12std, 0, 0.025)$value/0.025	SEFFe12stdESNO
	SEFFs11norFIT	fnSEFFs11norm= function(x) qdist("norm", p=x)	SEFFs11norESNO<-SEFFs11norFORE@forecast$series+SEFFs11norFORE@forecast$sigma*integrate(fnSEFFs11nor, 0, 0.025)$value/0.025	SEFFs11norESNO
	SEFFe11norFIT	fnSEFFe11norm= function(x) qdist("norm", p=x)	SEFFe11norESNO<-SEFFe11norFORE@forecast$series+SEFFe11norFORE@forecast$sigma*integrate(fnSEFFe11nor, 0, 0.025)$value/0.025	SEFFe11norESNO
	SEFFe12norFIT	fnSEFFe12norm= function(x) qdist("norm", p=x)	SEFFe12norESNO<-SEFFe12norFORE@forecast$series+SEFFe12norFORE@forecast$sigma*integrate(fnSEFFe12nor, 0, 0.025)$value/0.025	SEFFe12norESNO
	SEECs11gedFIT	fnSEECs11ged= function(x) qdist("norm", p=x)	SEECs11gedESNO<-SEECs11gedFORE@forecast$series+SEECs11gedFORE@forecast$sigma*integrate(fnSEECs11ged, 0, 0.025)$value/0.025	SEECs11gedESNO
	SEECe11gedFIT	fnSEECe11ged= function(x) qdist("norm", p=x)	SEECe11gedESNO<-SEECe11gedFORE@forecast$series+SEECe11gedFORE@forecast$sigma*integrate(fnSEECe11ged, 0, 0.025)$value/0.025	SEECe11gedESNO
	SEECe12gedFIT	fnSEECe12ged= function(x) qdist("norm", p=x)	SEECe12gedESNO<-SEECe12gedFORE@forecast$series+SEECe12gedFORE@forecast$sigma*integrate(fnSEECe12ged, 0, 0.025)$value/0.025	SEECe12gedESNO
2.367729	SEECe12stdFIT	fnSEECe12std= function(x) qdist("norm", p=x)	SEECe12stdESNO<-SEECe12stdFORE@forecast$series+SEECe12stdFORE@forecast$sigma*integrate(fnSEECe12std, 0, 0.025)$value/0.025	SEECe12stdESNO
	SEECs12norFIT	fnSEECs12norm= function(x) qdist("norm", p=x)	SEECs12norESNO<-SEECs12norFORE@forecast$series+SEECs12norFORE@forecast$sigma*integrate(fnSEECs12nor, 0, 0.025)$value/0.025	SEECs12norESNO
	SEECe12norFIT	fnSEECe12norm= function(x) qdist("norm", p=x)	SEECe12norESNO<-SEECe12norFORE@forecast$series+SEECe12norFORE@forecast$sigma*integrate(fnSEECe12nor, 0, 0.025)$value/0.025	SEECe12norESNO
	SEFLe11gedFIT	fnSEFLe11ged= function(x) qdist("norm", p=x)	SEFLe11gedESNO<-SEFLe11gedFORE@forecast$series+SEFLe11gedFORE@forecast$sigma*integrate(fnSEFLe11ged, 0, 0.025)$value/0.025	SEFLe11gedESNO
	SEFLg11gedFIT	fnSEFLg11ged= function(x) qdist("norm", p=x)	SEFLg11gedESNO<-SEFLg11gedFORE@forecast$series+SEFLg11gedFORE@forecast$sigma*integrate(fnSEFLg11ged, 0, 0.025)$value/0.025	SEFLg11gedESNO
	SEFLe11norFIT	fnSEFLe11norm= function(x) qdist("norm", p=x)	SEFLe11norESNO<-SEFLe11norFORE@forecast$series+SEFLe11norFORE@forecast$sigma*integrate(fnSEFLe11nor, 0, 0.025)$value/0.025	SEFLe11norESNO
	SEFLe12norFIT	fnSEFLe12norm= function(x) qdist("norm", p=x)	SEFLe12norESNO<-SEFLe12norFORE@forecast$series+SEFLe12norFORE@forecast$sigma*integrate(fnSEFLe12nor, 0, 0.025)$value/0.025	SEFLe12norESNO
	SEUTe11gedFIT	fnSEUTe11ged= function(x) qdist("norm", p=x)	SEUTe11gedESNO<-SEUTe11gedFORE@forecast$series+SEUTe11gedFORE@forecast$sigma*integrate(fnSEUTe11ged, 0, 0.025)$value/0.025	SEUTe11gedESNO
	SEUTe12gedFIT	fnSEUTe12ged= function(x) qdist("norm", p=x)	SEUTe12gedESNO<-SEUTe12gedFORE@forecast$series+SEUTe12gedFORE@forecast$sigma*integrate(fnSEUTe12ged, 0, 0.025)$value/0.025	SEUTe12gedESNO
	SEUTc11gedFIT	fnSEUTc11ged= function(x) qdist("norm", p=x)	SEUTc11gedESNO<-SEUTc11gedFORE@forecast$series+SEUTc11gedFORE@forecast$sigma*integrate(fnSEUTc11ged, 0, 0.025)$value/0.025	SEUTc11gedESNO
2.33425	SEUTe11stdFIT	fnSEUTe11std= function(x) qdist("norm", p=x)	SEUTe11stdESNO<-SEUTe11stdFORE@forecast$series+SEUTe11stdFORE@forecast$sigma*integrate(fnSEUTe11std, 0, 0.025)$value/0.025	SEUTe11stdESNO
2.668395	SEUTc11stdFIT	fnSEUTc11std= function(x) qdist("norm", p=x)	SEUTc11stdESNO<-SEUTc11stdFORE@forecast$series+SEUTc11stdFORE@forecast$sigma*integrate(fnSEUTc11std, 0, 0.025)$value/0.025	SEUTc11stdESNO
	SEUTe11norFIT	fnSEUTe11norm= function(x) qdist("norm", p=x)	SEUTe11norESNO<-SEUTe11norFORE@forecast$series+SEUTe11norFORE@forecast$sigma*integrate(fnSEUTe11nor, 0, 0.025)$value/0.025	SEUTe11norESNO
	SEUTe12norFIT	fnSEUTe12norm= function(x) qdist("norm", p=x)	SEUTe12norESNO<-SEUTe12norFORE@forecast$series+SEUTe12norFORE@forecast$sigma*integrate(fnSEUTe12nor, 0, 0.025)$value/0.025	SEUTe12norESNO
	SETRe11gedFIT	fnSETRe11ged= function(x) qdist("norm", p=x)	SETRe11gedESNO<-SETRe11gedFORE@forecast$series+SETRe11gedFORE@forecast$sigma*integrate(fnSETRe11ged, 0, 0.025)$value/0.025	SETRe11gedESNO
	SETRs11norFIT	fnSETRs11norm= function(x) qdist("norm", p=x)	SETRs11norESNO<-SETRs11norFORE@forecast$series+SETRs11norFORE@forecast$sigma*integrate(fnSETRs11nor, 0, 0.025)$value/0.025	SETRs11norESNO
	SETRe11norFIT	fnSETRe11norm= function(x) qdist("norm", p=x)	SETRe11norESNO<-SETRe11norFORE@forecast$series+SETRe11norFORE@forecast$sigma*integrate(fnSETRe11nor, 0, 0.025)$value/0.025	SETRe11norESNO
	SETRe12norFIT	fnSETRe12norm= function(x) qdist("norm", p=x)	SETRe12norESNO<-SETRe12norFORE@forecast$series+SETRe12norFORE@forecast$sigma*integrate(fnSETRe12nor, 0, 0.025)$value/0.025	SETRe12norESNO
	SETRg12norFIT	fnSETRg12norm= function(x) qdist("norm", p=x)	SETRg12norESNO<-SETRg12norFORE@forecast$series+SETRg12norFORE@forecast$sigma*integrate(fnSETRg12nor, 0, 0.025)$value/0.025	SETRg12norESNO
	SEMDe11gedFIT	fnSEMDe11ged= function(x) qdist("norm", p=x)	SEMDe11gedESNO<-SEMDe11gedFORE@forecast$series+SEMDe11gedFORE@forecast$sigma*integrate(fnSEMDe11ged, 0, 0.025)$value/0.025	SEMDe11gedESNO
	SEMDe12gedFIT	fnSEMDe12ged= function(x) qdist("norm", p=x)	SEMDe12gedESNO<-SEMDe12gedFORE@forecast$series+SEMDe12gedFORE@forecast$sigma*integrate(fnSEMDe12ged, 0, 0.025)$value/0.025	SEMDe12gedESNO
2.244801	SEMDe11stdFIT	fnSEMDe11std= function(x) qdist("norm", p=x)	SEMDe11stdESNO<-SEMDe11stdFORE@forecast$series+SEMDe11stdFORE@forecast$sigma*integrate(fnSEMDe11std, 0, 0.025)$value/0.025	SEMDe11stdESNO
	SEMDe11norFIT	fnSEMDe11norm= function(x) qdist("norm", p=x)	SEMDe11norESNO<-SEMDe11norFORE@forecast$series+SEMDe11norFORE@forecast$sigma*integrate(fnSEMDe11nor, 0, 0.025)$value/0.025	SEMDe11norESNO
	SEOGe11gedFIT	fnSEOGe11ged= function(x) qdist("norm", p=x)	SEOGe11gedESNO<-SEOGe11gedFORE@forecast$series+SEOGe11gedFORE@forecast$sigma*integrate(fnSEOGe11ged, 0, 0.025)$value/0.025	SEOGe11gedESNO
	SEOGe12gedFIT	fnSEOGe12ged= function(x) qdist("norm", p=x)	SEOGe12gedESNO<-SEOGe12gedFORE@forecast$series+SEOGe12gedFORE@forecast$sigma*integrate(fnSEOGe12ged, 0, 0.025)$value/0.025	SEOGe12gedESNO
2.182368	SEOGe11stdFIT	fnSEOGe11std= function(x) qdist("norm", p=x)	SEOGe11stdESNO<-SEOGe11stdFORE@forecast$series+SEOGe11stdFORE@forecast$sigma*integrate(fnSEOGe11std, 0, 0.025)$value/0.025	SEOGe11stdESNO
	SEOGe11norFIT	fnSEOGe11

	LITCs11gedFIT	fnLITCs11ged= function(x) qdist("norm", p=x)	LITCs11gedESNO<-LITCs11gedFORE@forecast$series+LITCs11gedFORE@forecast$sigma*integrate(fnLITCs11ged, 0, 0.025)$value/0.025	LITCs11gedESNO
	LITCc11gedFIT	fnLITCc11ged= function(x) qdist("norm", p=x)	LITCc11gedESNO<-LITCc11gedFORE@forecast$series+LITCc11gedFORE@forecast$sigma*integrate(fnLITCc11ged, 0, 0.025)$value/0.025	LITCc11gedESNO
	LITCc12gedFIT	fnLITCc12ged= function(x) qdist("norm", p=x)	LITCc12gedESNO<-LITCc12gedFORE@forecast$series+LITCc12gedFORE@forecast$sigma*integrate(fnLITCc12ged, 0, 0.025)$value/0.025	LITCc12gedESNO
	LITCs11norFIT	fnLITCs11norm= function(x) qdist("norm", p=x)	LITCs11norESNO<-LITCs11norFORE@forecast$series+LITCs11norFORE@forecast$sigma*integrate(fnLITCs11nor, 0, 0.025)$value/0.025	LITCs11norESNO
	LITCe11norFIT	fnLITCe11norm= function(x) qdist("norm", p=x)	LITCe11norESNO<-LITCe11norFORE@forecast$series+LITCe11norFORE@forecast$sigma*integrate(fnLITCe11nor, 0, 0.025)$value/0.025	LITCe11norESNO
	LITCe12norFIT	fnLITCe12norm= function(x) qdist("norm", p=x)	LITCe12norESNO<-LITCe12norFORE@forecast$series+LITCe12norFORE@forecast$sigma*integrate(fnLITCe12nor, 0, 0.025)$value/0.025	LITCe12norESNO
	LITCe21norFIT	fnLITCe21norm= function(x) qdist("norm", p=x)	LITCe21norESNO<-LITCe21norFORE@forecast$series+LITCe21norFORE@forecast$sigma*integrate(fnLITCe21nor, 0, 0.025)$value/0.025	LITCe21norESNO
	LITCg11norFIT	fnLITCg11norm= function(x) qdist("norm", p=x)	LITCg11norESNO<-LITCg11norFORE@forecast$series+LITCg11norFORE@forecast$sigma*integrate(fnLITCg11nor, 0, 0.025)$value/0.025	LITCg11norESNO
	LITCc11norFIT	fnLITCc11norm= function(x) qdist("norm", p=x)	LITCc11norESNO<-LITCc11norFORE@forecast$series+LITCc11norFORE@forecast$sigma*integrate(fnLITCc11nor, 0, 0.025)$value/0.025	LITCc11norESNO
	LITCc12norFIT	fnLITCc12norm= function(x) qdist("norm", p=x)	LITCc12norESNO<-LITCc12norFORE@forecast$series+LITCc12norFORE@forecast$sigma*integrate(fnLITCc12nor, 0, 0.025)$value/0.025	LITCc12norESNO
	GREXe11gedFIT	fnGREXe11ged= function(x) qdist("norm", p=x)	GREXe11gedESNO<-GREXe11gedFORE@forecast$series+GREXe11gedFORE@forecast$sigma*integrate(fnGREXe11ged, 0, 0.025)$value/0.025	GREXe11gedESNO
	GREXe12gedFIT	fnGREXe12ged= function(x) qdist("norm", p=x)	GREXe12gedESNO<-GREXe12gedFORE@forecast$series+GREXe12gedFORE@forecast$sigma*integrate(fnGREXe12ged, 0, 0.025)$value/0.025	GREXe12gedESNO
	GREXe21gedFIT	fnGREXe21ged= function(x) qdist("norm", p=x)	GREXe21gedESNO<-GREXe21gedFORE@forecast$series+GREXe21gedFORE@forecast$sigma*integrate(fnGREXe21ged, 0, 0.025)$value/0.025	GREXe21gedESNO
	DAXPs11gedFIT	fnDAXPs11ged= function(x) qdist("norm", p=x)	DAXPs11gedESNO<-DAXPs11gedFORE@forecast$series+DAXPs11gedFORE@forecast$sigma*integrate(fnDAXPs11ged, 0, 0.025)$value/0.025	DAXPs11gedESNO
2.669937	DAXPs11stdFIT	fnDAXPs11std= function(x) qdist("norm", p=x)	DAXPs11stdESNO<-DAXPs11stdFORE@forecast$series+DAXPs11stdFORE@forecast$sigma*integrate(fnDAXPs11std, 0, 0.025)$value/0.025	DAXPs11stdESNO
	DAXPs12norFIT	fnDAXPs12norm= function(x) qdist("norm", p=x)	DAXPs12norESNO<-DAXPs12norFORE@forecast$series+DAXPs12norFORE@forecast$sigma*integrate(fnDAXPs12nor, 0, 0.025)$value/0.025	DAXPs12norESNO
	DAXPe11norFIT	fnDAXPe11norm= function(x) qdist("norm", p=x)	DAXPe11norESNO<-DAXPe11norFORE@forecast$series+DAXPe11norFORE@forecast$sigma*integrate(fnDAXPe11nor, 0, 0.025)$value/0.025	DAXPe11norESNO
	DAXPg11norFIT	fnDAXPg11norm= function(x) qdist("norm", p=x)	DAXPg11norESNO<-DAXPg11norFORE@forecast$series+DAXPg11norFORE@forecast$sigma*integrate(fnDAXPg11nor, 0, 0.025)$value/0.025	DAXPg11norESNO

#Expected Shortfall for Out of Sample Data. The value of yesterday is therefore always included									
Dataset t		Dataoint 1	Datapoint 2	Date 1	Date 1	Define new dataset for each of the 30 data points	Set this into a new dataframe	Calculate Expected Shortfall historical	
#DJAC									
DJAC	1	181	1977	2018-09-01	2018-09-01	DJACretOUTSAt1<-ln(DJACaprx[181:1977]/lead(DJACaprx[181:1977], 1))[1:1796]	datDJACretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJACretOUTSAt1))	DJACESHIt1<-ES(datDJACretOUTSAt1$rev.DJACretOUTSAt1, p=0.975, method="historical")	
DJAC	2	180	1976	2018-09-02	2018-09-02	DJACretOUTSAt2<-ln(DJACaprx[180:1976]/lead(DJACaprx[180:1976], 1))[1:1796]	datDJACretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJACretOUTSAt2))	DJACESHIt2<-ES(datDJACretOUTSAt2$rev.DJACretOUTSAt2, p=0.975, method="historical")	
DJAC	3	179	1975	2018-09-03	2018-09-03	DJACretOUTSAt3<-ln(DJACaprx[179:1975]/lead(DJACaprx[179:1975], 1))[1:1796]	datDJACretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJACretOUTSAt3))	DJACESHIt3<-ES(datDJACretOUTSAt3$rev.DJACretOUTSAt3, p=0.975, method="historical")	
DJAC	4	178	1974	2018-09-04	2018-09-04	DJACretOUTSAt4<-ln(DJACaprx[178:1974]/lead(DJACaprx[178:1974], 1))[1:1796]	datDJACretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJACretOUTSAt4))	DJACESHIt4<-ES(datDJACretOUTSAt4$rev.DJACretOUTSAt4, p=0.975, method="historical")	
DJAC	5	177	1973	2018-09-05	2018-09-05	DJACretOUTSAt5<-ln(DJACaprx[177:1973]/lead(DJACaprx[177:1973], 1))[1:1796]	datDJACretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJACretOUTSAt5))	DJACESHIt5<-ES(datDJACretOUTSAt5$rev.DJACretOUTSAt5, p=0.975, method="historical")	
DJAC	6	176	1972	2018-09-06	2018-09-06	DJACretOUTSAt6<-ln(DJACaprx[176:1972]/lead(DJACaprx[176:1972], 1))[1:1796]	datDJACretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJACretOUTSAt6))	DJACESHIt6<-ES(datDJACretOUTSAt6$rev.DJACretOUTSAt6, p=0.975, method="historical")	
DJAC	7	175	1971	2018-09-07	2018-09-07	DJACretOUTSAt7<-ln(DJACaprx[175:1971]/lead(DJACaprx[175:1971], 1))[1:1796]	datDJACretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJACretOUTSAt7))	DJACESHIt7<-ES(datDJACretOUTSAt7$rev.DJACretOUTSAt7, p=0.975, method="historical")	
DJAC	8	174	1970	2018-09-08	2018-09-08	DJACretOUTSAt8<-ln(DJACaprx[174:1970]/lead(DJACaprx[174:1970], 1))[1:1796]	datDJACretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJACretOUTSAt8))	DJACESHIt8<-ES(datDJACretOUTSAt8$rev.DJACretOUTSAt8, p=0.975, method="historical")	
DJAC	9	173	1969	2018-09-09	2018-09-09	DJACretOUTSAt9<-ln(DJACaprx[173:1969]/lead(DJACaprx[173:1969], 1))[1:1796]	datDJACretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJACretOUTSAt9))	DJACESHIt9<-ES(datDJACretOUTSAt9$rev.DJACretOUTSAt9, p=0.975, method="historical")	
DJAC	10	172	1968	2018-09-10	2018-09-10	DJACretOUTSAt10<-ln(DJACaprx[172:1968]/lead(DJACaprx[172:1968], 1))[1:1796]	datDJACretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJACretOUTSAt10))	DJACESHIt10<-ES(datDJACretOUTSAt10$rev.DJACretOUTSAt10, p=0.975, method="historical")	
DJAC	11	171	1967	2018-09-11	2018-09-11	DJACretOUTSAt11<-ln(DJACaprx[171:1967]/lead(DJACaprx[171:1967], 1))[1:1796]	datDJACretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJACretOUTSAt11))	DJACESHIt11<-ES(datDJACretOUTSAt11$rev.DJACretOUTSAt11, p=0.975, method="historical")	
DJAC	12	170	1966	2018-09-12	2018-09-12	DJACretOUTSAt12<-ln(DJACaprx[170:1966]/lead(DJACaprx[170:1966], 1))[1:1796]	datDJACretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJACretOUTSAt12))	DJACESHIt12<-ES(datDJACretOUTSAt12$rev.DJACretOUTSAt12, p=0.975, method="historical")	
DJAC	13	169	1965	2018-09-13	2018-09-13	DJACretOUTSAt13<-ln(DJACaprx[169:1965]/lead(DJACaprx[169:1965], 1))[1:1796]	datDJACretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJACretOUTSAt13))	DJACESHIt13<-ES(datDJACretOUTSAt13$rev.DJACretOUTSAt13, p=0.975, method="historical")	
DJAC	14	168	1964	2018-09-14	2018-09-14	DJACretOUTSAt14<-ln(DJACaprx[168:1964]/lead(DJACaprx[168:1964], 1))[1:1796]	datDJACretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJACretOUTSAt14))	DJACESHIt14<-ES(datDJACretOUTSAt14$rev.DJACretOUTSAt14, p=0.975, method="historical")	
DJAC	15	167	1963	2018-09-15	2018-09-15	DJACretOUTSAt15<-ln(DJACaprx[167:1963]/lead(DJACaprx[167:1963], 1))[1:1796]	datDJACretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJACretOUTSAt15))	DJACESHIt15<-ES(datDJACretOUTSAt15$rev.DJACretOUTSAt15, p=0.975, method="historical")	
DJAC	16	166	1962	2018-09-16	2018-09-16	DJACretOUTSAt16<-ln(DJACaprx[166:1962]/lead(DJACaprx[166:1962], 1))[1:1796]	datDJACretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJACretOUTSAt16))	DJACESHIt16<-ES(datDJACretOUTSAt16$rev.DJACretOUTSAt16, p=0.975, method="historical")	
DJAC	17	165	1961	2018-09-17	2018-09-17	DJACretOUTSAt17<-ln(DJACaprx[165:1961]/lead(DJACaprx[165:1961], 1))[1:1796]	datDJACretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJACretOUTSAt17))	DJACESHIt17<-ES(datDJACretOUTSAt17$rev.DJACretOUTSAt17, p=0.975, method="historical")	
DJAC	18	164	1960	2018-09-18	2018-09-18	DJACretOUTSAt18<-ln(DJACaprx[164:1960]/lead(DJACaprx[164:1960], 1))[1:1796]	datDJACretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJACretOUTSAt18))	DJACESHIt18<-ES(datDJACretOUTSAt18$rev.DJACretOUTSAt18, p=0.975, method="historical")	
DJAC	19	163	1959	2018-09-19	2018-09-19	DJACretOUTSAt19<-ln(DJACaprx[163:1959]/lead(DJACaprx[163:1959], 1))[1:1796]	datDJACretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJACretOUTSAt19))	DJACESHIt19<-ES(datDJACretOUTSAt19$rev.DJACretOUTSAt19, p=0.975, method="historical")	
DJAC	20	162	1958	2018-09-20	2018-09-20	DJACretOUTSAt20<-ln(DJACaprx[162:1958]/lead(DJACaprx[162:1958], 1))[1:1796]	datDJACretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJACretOUTSAt20))	DJACESHIt20<-ES(datDJACretOUTSAt20$rev.DJACretOUTSAt20, p=0.975, method="historical")	
DJAC	21	161	1957	2018-09-21	2018-09-21	DJACretOUTSAt21<-ln(DJACaprx[161:1957]/lead(DJACaprx[161:1957], 1))[1:1796]	datDJACretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJACretOUTSAt21))	DJACESHIt21<-ES(datDJACretOUTSAt21$rev.DJACretOUTSAt21, p=0.975, method="historical")	
DJAC	22	160	1956	2018-09-22	2018-09-22	DJACretOUTSAt22<-ln(DJACaprx[160:1956]/lead(DJACaprx[160:1956], 1))[1:1796]	datDJACretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJACretOUTSAt22))	DJACESHIt22<-ES(datDJACretOUTSAt22$rev.DJACretOUTSAt22, p=0.975, method="historical")	
DJAC	23	159	1955	2018-09-23	2018-09-23	DJACretOUTSAt23<-ln(DJACaprx[159:1955]/lead(DJACaprx[159:1955], 1))[1:1796]	datDJACretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJACretOUTSAt23))	DJACESHIt23<-ES(datDJACretOUTSAt23$rev.DJACretOUTSAt23, p=0.975, method="historical")	
DJAC	24	158	1954	2018-09-24	2018-09-24	DJACretOUTSAt24<-ln(DJACaprx[158:1954]/lead(DJACaprx[158:1954], 1))[1:1796]	datDJACretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJACretOUTSAt24))	DJACESHIt24<-ES(datDJACretOUTSAt24$rev.DJACretOUTSAt24, p=0.975, method="historical")	
DJAC	25	157	1953	2018-09-25	2018-09-25	DJACretOUTSAt25<-ln(DJACaprx[157:1953]/lead(DJACaprx[157:1953], 1))[1:1796]	datDJACretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJACretOUTSAt25))	DJACESHIt25<-ES(datDJACretOUTSAt25$rev.DJACretOUTSAt25, p=0.975, method="historical")	
DJAC	26	156	1952	2018-09-26	2018-09-26	DJACretOUTSAt26<-ln(DJACaprx[156:1952]/lead(DJACaprx[156:1952], 1))[1:1796]	datDJACretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJACretOUTSAt26))	DJACESHIt26<-ES(datDJACretOUTSAt26$rev.DJACretOUTSAt26, p=0.975, method="historical")	
DJAC	27	155	1951	2018-09-27	2018-09-27	DJACretOUTSAt27<-ln(DJACaprx[155:1951]/lead(DJACaprx[155:1951], 1))[1:1796]	datDJACretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJACretOUTSAt27))	DJACESHIt27<-ES(datDJACretOUTSAt27$rev.DJACretOUTSAt27, p=0.975, method="historical")	
DJAC	28	154	1950	2018-09-28	2018-09-28	DJACretOUTSAt28<-ln(DJACaprx[154:1950]/lead(DJACaprx[154:1950], 1))[1:1796]	datDJACretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJACretOUTSAt28))	DJACESHIt28<-ES(datDJACretOUTSAt28$rev.DJACretOUTSAt28, p=0.975, method="historical")	
DJAC	29	153	1949	2018-09-29	2018-09-29	DJACretOUTSAt29<-ln(DJACaprx[153:1949]/lead(DJACaprx[153:1949], 1))[1:1796]	datDJACretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJACretOUTSAt29))	DJACESHIt29<-ES(datDJACretOUTSAt29$rev.DJACretOUTSAt29, p=0.975, method="historical")	
DJAC	30	152	1948	2018-09-30	2018-09-30	DJACretOUTSAt30<-ln(DJACaprx[152:1948]/lead(DJACaprx[152:1948], 1))[1:1796]	datDJACretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJACretOUTSAt30))	DJACESHIt30<-ES(datDJACretOUTSAt30$rev.DJACretOUTSAt30, p=0.975, method="historical")	
DJAC	31	151	1947	2018-10-01	2018-10-01	DJACretOUTSAt31<-ln(DJACaprx[151:1947]/lead(DJACaprx[151:1947], 1))[1:1796]	datDJACretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJACretOUTSAt31))	DJACESHIt31<-ES(datDJACretOUTSAt31$rev.DJACretOUTSAt31, p=0.975, method="historical")	
DJAC	32	150	1946	2018-10-02	2018-10-02	DJACretOUTSAt32<-ln(DJACaprx[150:1946]/lead(DJACaprx[150:1946], 1))[1:1796]	datDJACretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJACretOUTSAt32))	DJACESHIt32<-ES(datDJACretOUTSAt32$rev.DJACretOUTSAt32, p=0.975, method="historical")	
DJAC	33	149	1945	2018-10-03	2018-10-03	DJACretOUTSAt33<-ln(DJACaprx[149:1945]/lead(DJACaprx[149:1945], 1))[1:1796]	datDJACretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJACretOUTSAt33))	DJACESHIt33<-ES(datDJACretOUTSAt33$rev.DJACretOUTSAt33, p=0.975, method="historical")	
DJAC	34	148	1944	2018-10-04	2018-10-04	DJACretOUTSAt34<-ln(DJACaprx[148:1944]/lead(DJACaprx[148:1944], 1))[1:1796]	datDJACretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJACretOUTSAt34))	DJACESHIt34<-ES(datDJACretOUTSAt34$rev.DJACretOUTSAt34, p=0.975, method="historical")	
DJAC	35	147	1943	2018-10-05	2018-10-05	DJACretOUTSAt35<-ln(DJACaprx[147:1943]/lead(DJACaprx[147:1943], 1))[1:1796]	datDJACretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJACretOUTSAt35))	DJACESHIt35<-ES(datDJACretOUTSAt35$rev.DJACretOUTSAt35, p=0.975, method="historical")	
DJAC	36	146	1942	2018-10-06	2018-10-06	DJACretOUTSAt36<-ln(DJACaprx[146:1942]/lead(DJACaprx[146:1942], 1))[1:1796]	datDJACretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJACretOUTSAt36))	DJACESHIt36<-ES(datDJACretOUTSAt36$rev.DJACretOUTSAt36, p=0.975, method="historical")	
DJAC	37	145	1941	2018-10-07	2018-10-07	DJACretOUTSAt37<-ln(DJACaprx[145:1941]/lead(DJACaprx[145:1941], 1))[1:1796]	datDJACretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJACretOUTSAt37))	DJACESHIt37<-ES(datDJACretOUTSAt37$rev.DJACretOUTSAt37, p=0.975, method="historical")	
DJAC	38	144	1940	2018-10-08	2018-10-08	DJACretOUTSAt38<-ln(DJACaprx[144:1940]/lead(DJACaprx[144:1940], 1))[1:1796]	datDJACretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJACretOUTSAt38))	DJACESHIt38<-ES(datDJACretOUTSAt38$rev.DJACretOUTSAt38, p=0.975, method="historical")	
DJAC	39	143	1939	2018-10-09	2018-10-09	DJACretOUTSAt39<-ln(DJACaprx[143:1939]/lead(DJACaprx[143:1939], 1))[1:1796]	datDJACretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJACretOUTSAt39))	DJACESHIt39<-ES(datDJACretOUTSAt39$rev.DJACretOUTSAt39, p=0.975, method="historical")	
DJAC	40	142	1938	2018-10-10	2018-10-10	DJACretOUTSAt40<-ln(DJACaprx[142:1938]/lead(DJACaprx[142:1938], 1))[1:1796]	datDJACretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJACretOUTSAt40))	DJACESHIt40<-ES(datDJACretOUTSAt40$rev.DJACretOUTSAt40, p=0.975, method="historical")	
DJAC	41	141	1937	2018-10-11	2018-10-11	DJACretOUTSAt41<-ln(DJACaprx[141:1937]/lead(DJACaprx[141:1937], 1))[1:1796]	datDJACretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJACretOUTSAt41))	DJACESHIt41<-ES(datDJACretOUTSAt41$rev.DJACretOUTSAt41, p=0.975, method="historical")	
DJAC	42	140	1936	2018-10-12	2018-10-12	DJACretOUTSAt42<-ln(DJACaprx[140:1936]/lead(DJACaprx[140:1936], 1))[1:1796]	datDJACretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJACretOUTSAt42))	DJACESHIt42<-ES(datDJACretOUTSAt42$rev.DJACretOUTSAt42, p=0.975, method="historical")	
DJAC	43	139	1935	2018-10-13	2018-10-13	DJACretOUTSAt43<-ln(DJACaprx[139:1935]/lead(DJACaprx[139:1935], 1))[1:1796]	datDJACretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJACretOUTSAt43))	DJACESHIt43<-ES(datDJACretOUTSAt43$rev.DJACretOUTSAt43, p=0.975, method="historical")	
DJAC	44	138	1934	2018-10-14	2018-10-14	DJACretOUTSAt44<-ln(DJACaprx[138:1934]/lead(DJACaprx[138:1934], 1))[1:1796]	datDJACretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJACretOUTSAt44))	DJACESHIt44<-ES(datDJACretOUTSAt44$rev.DJACretOUTSAt44, p=0.975, method="historical")	
DJAC	45	137	1933	2018-10-15	2018-10-15	DJACretOUTSAt45<-ln(DJACaprx[137:1933]/lead(DJACaprx[137:1933], 1))[1:1796]	datDJACretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJACretOUTSAt45))	DJACESHIt45<-ES(datDJACretOUTSAt45$rev.DJACretOUTSAt45, p=0.975, method="historical")	
DJAC	46	136	1932	2018-10-16	2018-10-16	DJACretOUTSAt46<-ln(DJACaprx[136:1932]/lead(DJACaprx[136:1932], 1))[1:1796]	datDJACretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJACretOUTSAt46))	DJACESHIt46<-ES(datDJACretOUTSAt46$rev.DJACretOUTSAt46, p=0.975, method="historical")	
DJAC	47	135	1931	2018-10-17	2018-10-17	DJACretOUTSAt47<-ln(DJACaprx[135:1931]/lead(DJACaprx[135:1931], 1))[1:1796]	datDJACretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJACretOUTSAt47))	DJACESHIt47<-ES(datDJACretOUTSAt47$rev.DJACretOUTSAt47, p=0.975, method="historical")	
DJAC	48	134	1930	2018-10-18	2018-10-18	DJACretOUTSAt48<-ln(DJACaprx[134:1930]/lead(DJACaprx[134:1930], 1))[1:1796]	datDJACretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJACretOUTSAt48))	DJACESHIt48<-ES(datDJACretOUTSAt48$rev.DJACretOUTSAt48, p=0.975, method="historical")	
DJAC	49	133	1929	2018-10-19	2018-10-19	DJACretOUTSAt49<-ln(DJACaprx[133:1929]/lead(DJACaprx[133:1929], 1))[1:1796]	datDJACretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJACretOUTSAt49))	DJACESHIt49<-ES(datDJACretOUTSAt49$rev.DJACretOUTSAt49, p=0.975, method="historical")	
DJAC	50	132	1928	2018-10-20	2018-10-20	DJACretOUTSAt50<-ln(DJACaprx[132:1928]/lead(DJACaprx[132:1928], 1))[1:1796]	datDJACretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJACretOUTSAt50))	DJACESHIt50<-ES(datDJACretOUTSAt50$rev.DJACretOUTSAt50, p=0.975, method="historical")	
DJAC	51	131	1927	2018-10-21	2018-10-21	DJACretOUTSAt51<-ln(DJACaprx[131:1927]/lead(DJACaprx[131:1927], 1))[1:1796]	datDJACretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJACretOUTSAt51))	DJACESHIt51<-ES(datDJACretOUTSAt51$rev.DJACretOUTSAt51, p=0.975, method="historical")	
DJAC	52	130	1926	2018-10-22	2018-10-22	DJACretOUTSAt52<-ln(DJACaprx[130:1926]/lead(DJACaprx[130:1926], 1))[1:1796]	datDJACretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJACretOUTSAt52))	DJACESHIt52<-ES(datDJACretOUTSAt52$rev.DJACretOUTSAt52, p=0.975, method="historical")	
DJAC	53	129	1925	2018-10-23	2018-10-23	DJACretOUTSAt53<-ln(DJACaprx[129:1925]/lead(DJACaprx[129:1925], 1))[1:1796]	datDJACretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJACretOUTSAt53))	DJACESHIt53<-ES(datDJACretOUTSAt53$rev.DJACretOUTSAt53, p=0.975, method="historical")	
DJAC	54	128	1924	2018-10-24	2018-10-24	DJACretOUTSAt54<-ln(DJACaprx[128:1924]/lead(DJACaprx[128:1924], 1))[1:1796]	datDJACretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJACretOUTSAt54))	DJACESHIt54<-ES(datDJACretOUTSAt54$rev.DJACretOUTSAt54, p=0.975, method="historical")	
DJAC	55	127	1923	2018-10-25	2018-10-25	DJACretOUTSAt55<-ln(DJACaprx[127:1923]/lead(DJACaprx[127:1923], 1))[1:1796]	datDJACretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJACretOUTSAt55))	DJACESHIt55<-ES(datDJACretOUTSAt55$rev.DJACretOUTSAt55, p=0.975, method="historical")	
DJAC	56	126	1922	2018-10-26	2018-10-26	DJACretOUTSAt56<-ln(DJACaprx[126:1922]/lead(DJACaprx[126:1922], 1))[1:1796]	datDJACretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJACretOUTSAt56))	DJACESHIt56<-ES(datDJACretOUTSAt56$rev.DJACretOUTSAt56, p=0.975, method="historical")	
DJAC	57	125	1921	2018-10-27	2018-10-27	DJACretOUTSAt57<-ln(DJACaprx[125:1921]/lead(DJACaprx[125:1921], 1))[1:1796]	datDJACretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJACretOUTSAt57))	DJACESHIt57<-ES(datDJACretOUTSAt57$rev.DJACretOUTSAt57, p=0.975, method="historical")	
DJAC	58	124	1920	2018-10-28	2018-10-28	DJACretOUTSAt58<-ln(DJACaprx[124:1920]/lead(DJACaprx[124:1920], 1))[1:1796]	datDJACretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(DJACretOUTSAt58))	DJACESHIt58<-ES(datDJACretOUTSAt58$rev.DJACretOUTSAt58, p=0.975, method="historical")	
DJAC	59	123	1919	2018-10-29	2018-10-29	DJACretOUTSAt59<-ln(DJACaprx[123:1919]/lead(DJACaprx[123:1919], 1))[1:1796]	datDJACretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(DJACretOUTSAt59))	DJACESHIt59<-ES(datDJACretOUTSAt59$rev.DJACretOUTSAt59, p=0.975, method="historical")	
DJAC	60	122	1918	2018-10-30	2018-10-30	DJACretOUTSAt60<-ln(DJACaprx[122:1918]/lead(DJACaprx[122:1918], 1))[1:1796]	datDJACretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(DJACretOUTSAt60))	DJACESHIt60<-ES(datDJACretOUTSAt60$rev.DJACretOUTSAt60, p=0.975, method="historical")	
DJAC	61	121	1917	2018-10-31	2018-10-31	DJACretOUTSAt61<-ln(DJACaprx[121:1917]/lead(DJACaprx[121:1917], 1))[1:1796]	datDJACretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJACretOUTSAt61))	DJACESHIt61<-ES(datDJACretOUTSAt61$rev.DJACretOUTSAt61, p=0.975, method="historical")	
DJAC	62	120	1916	2018-11-01	2018-11-01	DJACretOUTSAt62<-ln(DJACaprx[120:1916]/lead(DJACaprx[120:1916], 1))[1:1796]	datDJACretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJACretOUTSAt62))	DJACESHIt62<-ES(datDJACretOUTSAt62$rev.DJACretOUTSAt62, p=0.975, method="historical")	
DJAC	63	119	1915	2018-11-02	2018-11-02	DJACretOUTSAt63<-ln(DJACaprx[119:1915]/lead(DJACaprx[119:1915], 1))[1:1796]	datDJACretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJACretOUTSAt63))	DJACESHIt63<-ES(datDJACretOUTSAt63$rev.DJACretOUTSAt63, p=0.975, method="historical")	
DJAC	64	118	1914	2018-11-03	2018-11-03	DJACretOUTSAt64<-ln(DJACaprx[118:1914]/lead(DJACaprx[118:1914], 1))[1:1796]	datDJACretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJACretOUTSAt64))	DJACESHIt64<-ES(datDJACretOUTSAt64$rev.DJACretOUTSAt64, p=0.975, method="historical")	
DJAC	65	117	1913	2018-11-04	2018-11-04	DJACretOUTSAt65<-ln(DJACaprx[117:1913]/lead(DJACaprx[117:1913], 1))[1:1796]	datDJACretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJACretOUTSAt65))	DJACESHIt65<-ES(datDJACretOUTSAt65$rev.DJACretOUTSAt65, p=0.975, method="historical")	
DJAC	66	116	1912	2018-11-05	2018-11-05	DJACretOUTSAt66<-ln(DJACaprx[116:1912]/lead(DJACaprx[116:1912], 1))[1:1796]	datDJACretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJACretOUTSAt66))	DJACESHIt66<-ES(datDJACretOUTSAt66$rev.DJACretOUTSAt66, p=0.975, method="historical")	
DJAC	67	115	1911	2018-11-06	2018-11-06	DJACretOUTSAt67<-ln(DJACaprx[115:1911]/lead(DJACaprx[115:1911], 1))[1:1796]	datDJACretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJACretOUTSAt67))	DJACESHIt67<-ES(datDJACretOUTSAt67$rev.DJACretOUTSAt67, p=0.975, method="historical")	
DJAC	68	114	1910	2018-11-07	2018-11-07	DJACretOUTSAt68<-ln(DJACaprx[114:1910]/lead(DJACaprx[114:1910], 1))[1:1796]	datDJACretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJACretOUTSAt68))	DJACESHIt68<-ES(datDJACretOUTSAt68$rev.DJACretOUTSAt68, p=0.975, method="historical")	
DJAC	69	113	1909	2018-11-08	2018-11-08	DJACretOUTSAt69<-ln(DJACaprx[113:1909]/lead(DJACaprx[113:1909], 1))[1:1796]	datDJACretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJACretOUTSAt69))	DJACESHIt69<-ES(datDJACretOUTSAt69$rev.DJACretOUTSAt69, p=0.975, method="historical")	
DJAC	70	112	1908	2018-11-09	2018-11-09	DJACretOUTSAt70<-ln(DJACaprx[112:1908]/lead(DJACaprx[112:1908], 1))[1:1796]	datDJACretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJACretOUTSAt70))	DJACESHIt70<-ES(datDJACretOUTSAt70$rev.DJACretOUTSAt70, p=0.975, method="historical")	
DJAC	71	111	1907	2018-11-10	2018-11-10	DJACretOUTSAt71<-ln(DJACaprx[111:1907]/lead(DJACaprx[111:1907], 1))[1:1796]	datDJACretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJACretOUTSAt71))	DJACESHIt71<-ES(datDJACretOUTSAt71$rev.DJACretOUTSAt71, p=0.975, method="historical")	
DJAC	72	110	1906	2018-11-11	2018-11-11	DJACretOUTSAt72<-ln(DJACaprx[110:1906]/lead(DJACaprx[110:1906], 1))[1:1796]	datDJACretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJACretOUTSAt72))	DJACESHIt72<-ES(datDJACretOUTSAt72$rev.DJACretOUTSAt72, p=0.975, method="historical")	
DJAC	73	109	1905	2018-11-12	2018-11-12	DJACretOUTSAt73<-ln(DJ

DJAC	127	55	1851	2019-01-05	2019-01-05	DJACretOUTSAt127<-ln(DJACaprx[55:1851]/lead(DJACaprx[55:1851], 1))[1:1796]	datDJACretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJACretOUTSAt127))	DJACESHIt127<-ES(datDJACretOUTSAt127$rev.DJACretOUTSAt127, p=0.975, method="historical")
DJAC	128	54	1850	2019-01-06	2019-01-06	DJACretOUTSAt128<-ln(DJACaprx[54:1850]/lead(DJACaprx[54:1850], 1))[1:1796]	datDJACretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJACretOUTSAt128))	DJACESHIt128<-ES(datDJACretOUTSAt128$rev.DJACretOUTSAt128, p=0.975, method="historical")
DJAC	129	53	1849	2019-01-07	2019-01-07	DJACretOUTSAt129<-ln(DJACaprx[53:1849]/lead(DJACaprx[53:1849], 1))[1:1796]	datDJACretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJACretOUTSAt129))	DJACESHIt129<-ES(datDJACretOUTSAt129$rev.DJACretOUTSAt129, p=0.975, method="historical")
DJAC	130	52	1848	2019-01-08	2019-01-08	DJACretOUTSAt130<-ln(DJACaprx[52:1848]/lead(DJACaprx[52:1848], 1))[1:1796]	datDJACretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJACretOUTSAt130))	DJACESHIt130<-ES(datDJACretOUTSAt130$rev.DJACretOUTSAt130, p=0.975, method="historical")
DJAC	131	51	1847	2019-01-09	2019-01-09	DJACretOUTSAt131<-ln(DJACaprx[51:1847]/lead(DJACaprx[51:1847], 1))[1:1796]	datDJACretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJACretOUTSAt131))	DJACESHIt131<-ES(datDJACretOUTSAt131$rev.DJACretOUTSAt131, p=0.975, method="historical")
DJAC	132	50	1846	2019-01-10	2019-01-10	DJACretOUTSAt132<-ln(DJACaprx[50:1846]/lead(DJACaprx[50:1846], 1))[1:1796]	datDJACretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJACretOUTSAt132))	DJACESHIt132<-ES(datDJACretOUTSAt132$rev.DJACretOUTSAt132, p=0.975, method="historical")
DJAC	133	49	1845	2019-01-11	2019-01-11	DJACretOUTSAt133<-ln(DJACaprx[49:1845]/lead(DJACaprx[49:1845], 1))[1:1796]	datDJACretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJACretOUTSAt133))	DJACESHIt133<-ES(datDJACretOUTSAt133$rev.DJACretOUTSAt133, p=0.975, method="historical")
DJAC	134	48	1844	2019-01-12	2019-01-12	DJACretOUTSAt134<-ln(DJACaprx[48:1844]/lead(DJACaprx[48:1844], 1))[1:1796]	datDJACretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJACretOUTSAt134))	DJACESHIt134<-ES(datDJACretOUTSAt134$rev.DJACretOUTSAt134, p=0.975, method="historical")
DJAC	135	47	1843	2019-01-13	2019-01-13	DJACretOUTSAt135<-ln(DJACaprx[47:1843]/lead(DJACaprx[47:1843], 1))[1:1796]	datDJACretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJACretOUTSAt135))	DJACESHIt135<-ES(datDJACretOUTSAt135$rev.DJACretOUTSAt135, p=0.975, method="historical")
DJAC	136	46	1842	2019-01-14	2019-01-14	DJACretOUTSAt136<-ln(DJACaprx[46:1842]/lead(DJACaprx[46:1842], 1))[1:1796]	datDJACretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJACretOUTSAt136))	DJACESHIt136<-ES(datDJACretOUTSAt136$rev.DJACretOUTSAt136, p=0.975, method="historical")
DJAC	137	45	1841	2019-01-15	2019-01-15	DJACretOUTSAt137<-ln(DJACaprx[45:1841]/lead(DJACaprx[45:1841], 1))[1:1796]	datDJACretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJACretOUTSAt137))	DJACESHIt137<-ES(datDJACretOUTSAt137$rev.DJACretOUTSAt137, p=0.975, method="historical")
DJAC	138	44	1840	2019-01-16	2019-01-16	DJACretOUTSAt138<-ln(DJACaprx[44:1840]/lead(DJACaprx[44:1840], 1))[1:1796]	datDJACretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJACretOUTSAt138))	DJACESHIt138<-ES(datDJACretOUTSAt138$rev.DJACretOUTSAt138, p=0.975, method="historical")
DJAC	139	43	1839	2019-01-17	2019-01-17	DJACretOUTSAt139<-ln(DJACaprx[43:1839]/lead(DJACaprx[43:1839], 1))[1:1796]	datDJACretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJACretOUTSAt139))	DJACESHIt139<-ES(datDJACretOUTSAt139$rev.DJACretOUTSAt139, p=0.975, method="historical")
DJAC	140	42	1838	2019-01-18	2019-01-18	DJACretOUTSAt140<-ln(DJACaprx[42:1838]/lead(DJACaprx[42:1838], 1))[1:1796]	datDJACretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJACretOUTSAt140))	DJACESHIt140<-ES(datDJACretOUTSAt140$rev.DJACretOUTSAt140, p=0.975, method="historical")
DJAC	141	41	1837	2019-01-19	2019-01-19	DJACretOUTSAt141<-ln(DJACaprx[41:1837]/lead(DJACaprx[41:1837], 1))[1:1796]	datDJACretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJACretOUTSAt141))	DJACESHIt141<-ES(datDJACretOUTSAt141$rev.DJACretOUTSAt141, p=0.975, method="historical")
DJAC	142	40	1836	2019-01-20	2019-01-20	DJACretOUTSAt142<-ln(DJACaprx[40:1836]/lead(DJACaprx[40:1836], 1))[1:1796]	datDJACretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJACretOUTSAt142))	DJACESHIt142<-ES(datDJACretOUTSAt142$rev.DJACretOUTSAt142, p=0.975, method="historical")
DJAC	143	39	1835	2019-01-21	2019-01-21	DJACretOUTSAt143<-ln(DJACaprx[39:1835]/lead(DJACaprx[39:1835], 1))[1:1796]	datDJACretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJACretOUTSAt143))	DJACESHIt143<-ES(datDJACretOUTSAt143$rev.DJACretOUTSAt143, p=0.975, method="historical")
DJAC	144	38	1834	2019-01-22	2019-01-22	DJACretOUTSAt144<-ln(DJACaprx[38:1834]/lead(DJACaprx[38:1834], 1))[1:1796]	datDJACretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJACretOUTSAt144))	DJACESHIt144<-ES(datDJACretOUTSAt144$rev.DJACretOUTSAt144, p=0.975, method="historical")
DJAC	145	37	1833	2019-01-23	2019-01-23	DJACretOUTSAt145<-ln(DJACaprx[37:1833]/lead(DJACaprx[37:1833], 1))[1:1796]	datDJACretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJACretOUTSAt145))	DJACESHIt145<-ES(datDJACretOUTSAt145$rev.DJACretOUTSAt145, p=0.975, method="historical")
DJAC	146	36	1832	2019-01-24	2019-01-24	DJACretOUTSAt146<-ln(DJACaprx[36:1832]/lead(DJACaprx[36:1832], 1))[1:1796]	datDJACretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJACretOUTSAt146))	DJACESHIt146<-ES(datDJACretOUTSAt146$rev.DJACretOUTSAt146, p=0.975, method="historical")
DJAC	147	35	1831	2019-01-25	2019-01-25	DJACretOUTSAt147<-ln(DJACaprx[35:1831]/lead(DJACaprx[35:1831], 1))[1:1796]	datDJACretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJACretOUTSAt147))	DJACESHIt147<-ES(datDJACretOUTSAt147$rev.DJACretOUTSAt147, p=0.975, method="historical")
DJAC	148	34	1830	2019-01-26	2019-01-26	DJACretOUTSAt148<-ln(DJACaprx[34:1830]/lead(DJACaprx[34:1830], 1))[1:1796]	datDJACretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJACretOUTSAt148))	DJACESHIt148<-ES(datDJACretOUTSAt148$rev.DJACretOUTSAt148, p=0.975, method="historical")
DJAC	149	33	1829	2019-01-27	2019-01-27	DJACretOUTSAt149<-ln(DJACaprx[33:1829]/lead(DJACaprx[33:1829], 1))[1:1796]	datDJACretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJACretOUTSAt149))	DJACESHIt149<-ES(datDJACretOUTSAt149$rev.DJACretOUTSAt149, p=0.975, method="historical")
DJAC	150	32	1828	2019-01-28	2019-01-28	DJACretOUTSAt150<-ln(DJACaprx[32:1828]/lead(DJACaprx[32:1828], 1))[1:1796]	datDJACretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJACretOUTSAt150))	DJACESHIt150<-ES(datDJACretOUTSAt150$rev.DJACretOUTSAt150, p=0.975, method="historical")
DJAC	151	31	1827	2019-01-29	2019-01-29	DJACretOUTSAt151<-ln(DJACaprx[31:1827]/lead(DJACaprx[31:1827], 1))[1:1796]	datDJACretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJACretOUTSAt151))	DJACESHIt151<-ES(datDJACretOUTSAt151$rev.DJACretOUTSAt151, p=0.975, method="historical")
DJAC	152	30	1826	2019-01-30	2019-01-30	DJACretOUTSAt152<-ln(DJACaprx[30:1826]/lead(DJACaprx[30:1826], 1))[1:1796]	datDJACretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJACretOUTSAt152))	DJACESHIt152<-ES(datDJACretOUTSAt152$rev.DJACretOUTSAt152, p=0.975, method="historical")
DJAC	153	29	1825	2019-01-31	2019-01-31	DJACretOUTSAt153<-ln(DJACaprx[29:1825]/lead(DJACaprx[29:1825], 1))[1:1796]	datDJACretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJACretOUTSAt153))	DJACESHIt153<-ES(datDJACretOUTSAt153$rev.DJACretOUTSAt153, p=0.975, method="historical")
DJAC	154	28	1824	2019-02-01	2019-02-01	DJACretOUTSAt154<-ln(DJACaprx[28:1824]/lead(DJACaprx[28:1824], 1))[1:1796]	datDJACretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJACretOUTSAt154))	DJACESHIt154<-ES(datDJACretOUTSAt154$rev.DJACretOUTSAt154, p=0.975, method="historical")
DJAC	155	27	1823	2019-02-02	2019-02-02	DJACretOUTSAt155<-ln(DJACaprx[27:1823]/lead(DJACaprx[27:1823], 1))[1:1796]	datDJACretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJACretOUTSAt155))	DJACESHIt155<-ES(datDJACretOUTSAt155$rev.DJACretOUTSAt155, p=0.975, method="historical")
DJAC	156	26	1822	2019-02-03	2019-02-03	DJACretOUTSAt156<-ln(DJACaprx[26:1822]/lead(DJACaprx[26:1822], 1))[1:1796]	datDJACretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJACretOUTSAt156))	DJACESHIt156<-ES(datDJACretOUTSAt156$rev.DJACretOUTSAt156, p=0.975, method="historical")
DJAC	157	25	1821	2019-02-04	2019-02-04	DJACretOUTSAt157<-ln(DJACaprx[25:1821]/lead(DJACaprx[25:1821], 1))[1:1796]	datDJACretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJACretOUTSAt157))	DJACESHIt157<-ES(datDJACretOUTSAt157$rev.DJACretOUTSAt157, p=0.975, method="historical")
DJAC	158	24	1820	2019-02-05	2019-02-05	DJACretOUTSAt158<-ln(DJACaprx[24:1820]/lead(DJACaprx[24:1820], 1))[1:1796]	datDJACretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJACretOUTSAt158))	DJACESHIt158<-ES(datDJACretOUTSAt158$rev.DJACretOUTSAt158, p=0.975, method="historical")
DJAC	159	23	1819	2019-02-06	2019-02-06	DJACretOUTSAt159<-ln(DJACaprx[23:1819]/lead(DJACaprx[23:1819], 1))[1:1796]	datDJACretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJACretOUTSAt159))	DJACESHIt159<-ES(datDJACretOUTSAt159$rev.DJACretOUTSAt159, p=0.975, method="historical")
DJAC	160	22	1818	2019-02-07	2019-02-07	DJACretOUTSAt160<-ln(DJACaprx[22:1818]/lead(DJACaprx[22:1818], 1))[1:1796]	datDJACretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJACretOUTSAt160))	DJACESHIt160<-ES(datDJACretOUTSAt160$rev.DJACretOUTSAt160, p=0.975, method="historical")
DJAC	161	21	1817	2019-02-08	2019-02-08	DJACretOUTSAt161<-ln(DJACaprx[21:1817]/lead(DJACaprx[21:1817], 1))[1:1796]	datDJACretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJACretOUTSAt161))	DJACESHIt161<-ES(datDJACretOUTSAt161$rev.DJACretOUTSAt161, p=0.975, method="historical")
DJAC	162	20	1816	2019-02-09	2019-02-09	DJACretOUTSAt162<-ln(DJACaprx[20:1816]/lead(DJACaprx[20:1816], 1))[1:1796]	datDJACretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJACretOUTSAt162))	DJACESHIt162<-ES(datDJACretOUTSAt162$rev.DJACretOUTSAt162, p=0.975, method="historical")
DJAC	163	19	1815	2019-02-10	2019-02-10	DJACretOUTSAt163<-ln(DJACaprx[19:1815]/lead(DJACaprx[19:1815], 1))[1:1796]	datDJACretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJACretOUTSAt163))	DJACESHIt163<-ES(datDJACretOUTSAt163$rev.DJACretOUTSAt163, p=0.975, method="historical")
DJAC	164	18	1814	2019-02-11	2019-02-11	DJACretOUTSAt164<-ln(DJACaprx[18:1814]/lead(DJACaprx[18:1814], 1))[1:1796]	datDJACretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJACretOUTSAt164))	DJACESHIt164<-ES(datDJACretOUTSAt164$rev.DJACretOUTSAt164, p=0.975, method="historical")
DJAC	165	17	1813	2019-02-12	2019-02-12	DJACretOUTSAt165<-ln(DJACaprx[17:1813]/lead(DJACaprx[17:1813], 1))[1:1796]	datDJACretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJACretOUTSAt165))	DJACESHIt165<-ES(datDJACretOUTSAt165$rev.DJACretOUTSAt165, p=0.975, method="historical")
DJAC	166	16	1812	2019-02-13	2019-02-13	DJACretOUTSAt166<-ln(DJACaprx[16:1812]/lead(DJACaprx[16:1812], 1))[1:1796]	datDJACretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJACretOUTSAt166))	DJACESHIt166<-ES(datDJACretOUTSAt166$rev.DJACretOUTSAt166, p=0.975, method="historical")
DJAC	167	15	1811	2019-02-14	2019-02-14	DJACretOUTSAt167<-ln(DJACaprx[15:1811]/lead(DJACaprx[15:1811], 1))[1:1796]	datDJACretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJACretOUTSAt167))	DJACESHIt167<-ES(datDJACretOUTSAt167$rev.DJACretOUTSAt167, p=0.975, method="historical")
DJAC	168	14	1810	2019-02-15	2019-02-15	DJACretOUTSAt168<-ln(DJACaprx[14:1810]/lead(DJACaprx[14:1810], 1))[1:1796]	datDJACretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJACretOUTSAt168))	DJACESHIt168<-ES(datDJACretOUTSAt168$rev.DJACretOUTSAt168, p=0.975, method="historical")
DJAC	169	13	1809	2019-02-16	2019-02-16	DJACretOUTSAt169<-ln(DJACaprx[13:1809]/lead(DJACaprx[13:1809], 1))[1:1796]	datDJACretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJACretOUTSAt169))	DJACESHIt169<-ES(datDJACretOUTSAt169$rev.DJACretOUTSAt169, p=0.975, method="historical")
DJAC	170	12	1808	2019-02-17	2019-02-17	DJACretOUTSAt170<-ln(DJACaprx[12:1808]/lead(DJACaprx[12:1808], 1))[1:1796]	datDJACretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJACretOUTSAt170))	DJACESHIt170<-ES(datDJACretOUTSAt170$rev.DJACretOUTSAt170, p=0.975, method="historical")
DJAC	171	11	1807	2019-02-18	2019-02-18	DJACretOUTSAt171<-ln(DJACaprx[11:1807]/lead(DJACaprx[11:1807], 1))[1:1796]	datDJACretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJACretOUTSAt171))	DJACESHIt171<-ES(datDJACretOUTSAt171$rev.DJACretOUTSAt171, p=0.975, method="historical")
DJAC	172	10	1806	2019-02-19	2019-02-19	DJACretOUTSAt172<-ln(DJACaprx[10:1806]/lead(DJACaprx[10:1806], 1))[1:1796]	datDJACretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJACretOUTSAt172))	DJACESHIt172<-ES(datDJACretOUTSAt172$rev.DJACretOUTSAt172, p=0.975, method="historical")
DJAC	173	9	1805	2019-02-20	2019-02-20	DJACretOUTSAt173<-ln(DJACaprx[9:1805]/lead(DJACaprx[9:1805], 1))[1:1796]	datDJACretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJACretOUTSAt173))	DJACESHIt173<-ES(datDJACretOUTSAt173$rev.DJACretOUTSAt173, p=0.975, method="historical")
DJAC	174	8	1804	2019-02-21	2019-02-21	DJACretOUTSAt174<-ln(DJACaprx[8:1804]/lead(DJACaprx[8:1804], 1))[1:1796]	datDJACretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJACretOUTSAt174))	DJACESHIt174<-ES(datDJACretOUTSAt174$rev.DJACretOUTSAt174, p=0.975, method="historical")
DJAC	175	7	1803	2019-02-22	2019-02-22	DJACretOUTSAt175<-ln(DJACaprx[7:1803]/lead(DJACaprx[7:1803], 1))[1:1796]	datDJACretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJACretOUTSAt175))	DJACESHIt175<-ES(datDJACretOUTSAt175$rev.DJACretOUTSAt175, p=0.975, method="historical")
DJAC	176	6	1802	2019-02-23	2019-02-23	DJACretOUTSAt176<-ln(DJACaprx[6:1802]/lead(DJACaprx[6:1802], 1))[1:1796]	datDJACretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJACretOUTSAt176))	DJACESHIt176<-ES(datDJACretOUTSAt176$rev.DJACretOUTSAt176, p=0.975, method="historical")
DJAC	177	5	1801	2019-02-24	2019-02-24	DJACretOUTSAt177<-ln(DJACaprx[5:1801]/lead(DJACaprx[5:1801], 1))[1:1796]	datDJACretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJACretOUTSAt177))	DJACESHIt177<-ES(datDJACretOUTSAt177$rev.DJACretOUTSAt177, p=0.975, method="historical")
DJAC	178	4	1800	2019-02-25	2019-02-25	DJACretOUTSAt178<-ln(DJACaprx[4:1800]/lead(DJACaprx[4:1800], 1))[1:1796]	datDJACretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJACretOUTSAt178))	DJACESHIt178<-ES(datDJACretOUTSAt178$rev.DJACretOUTSAt178, p=0.975, method="historical")
DJAC	179	3	1799	2019-02-26	2019-02-26	DJACretOUTSAt179<-ln(DJACaprx[3:1799]/lead(DJACaprx[3:1799], 1))[1:1796]	datDJACretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJACretOUTSAt179))	DJACESHIt179<-ES(datDJACretOUTSAt179$rev.DJACretOUTSAt179, p=0.975, method="historical")
DJAC	180	2	1798	2019-02-27	2019-02-27	DJACretOUTSAt180<-ln(DJACaprx[2:1798]/lead(DJACaprx[2:1798], 1))[1:1796]	datDJACretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJACretOUTSAt180))	DJACESHIt180<-ES(datDJACretOUTSAt180$rev.DJACretOUTSAt180, p=0.975, method="historical")
DJAC	181	1	1797	2019-02-28	2019-02-28	DJACretOUTSAt181<-ln(DJACaprx[1:1797]/lead(DJACaprx[1:1797], 1))[1:1796]	datDJACretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJACretOUTSAt181))	DJACESHIt181<-ES(datDJACretOUTSAt181$rev.DJACretOUTSAt181, p=0.975, method="historical")
#DJAL								
DJAL	1	181	1977	2018-09-01	2018-09-01	DJALretOUTSAt1<-ln(DJALaprx[181:1977]/lead(DJALaprx[181:1977], 1))[1:1796]	datDJALretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJALretOUTSAt1))	DJALESHIt1<-ES(datDJALretOUTSAt1$rev.DJALretOUTSAt1, p=0.975, method="historical")
DJAL	2	180	1976	2018-09-02	2018-09-02	DJALretOUTSAt2<-ln(DJALaprx[180:1976]/lead(DJALaprx[180:1976], 1))[1:1796]	datDJALretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJALretOUTSAt2))	DJALESHIt2<-ES(datDJALretOUTSAt2$rev.DJALretOUTSAt2, p=0.975, method="historical")
DJAL	3	179	1975	2018-09-03	2018-09-03	DJALretOUTSAt3<-ln(DJALaprx[179:1975]/lead(DJALaprx[179:1975], 1))[1:1796]	datDJALretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJALretOUTSAt3))	DJALESHIt3<-ES(datDJALretOUTSAt3$rev.DJALretOUTSAt3, p=0.975, method="historical")
DJAL	4	178	1974	2018-09-04	2018-09-04	DJALretOUTSAt4<-ln(DJALaprx[178:1974]/lead(DJALaprx[178:1974], 1))[1:1796]	datDJALretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJALretOUTSAt4))	DJALESHIt4<-ES(datDJALretOUTSAt4$rev.DJALretOUTSAt4, p=0.975, method="historical")
DJAL	5	177	1973	2018-09-05	2018-09-05	DJALretOUTSAt5<-ln(DJALaprx[177:1973]/lead(DJALaprx[177:1973], 1))[1:1796]	datDJALretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJALretOUTSAt5))	DJALESHIt5<-ES(datDJALretOUTSAt5$rev.DJALretOUTSAt5, p=0.975, method="historical")
DJAL	6	176	1972	2018-09-06	2018-09-06	DJALretOUTSAt6<-ln(DJALaprx[176:1972]/lead(DJALaprx[176:1972], 1))[1:1796]	datDJALretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJALretOUTSAt6))	DJALESHIt6<-ES(datDJALretOUTSAt6$rev.DJALretOUTSAt6, p=0.975, method="historical")
DJAL	7	175	1971	2018-09-07	2018-09-07	DJALretOUTSAt7<-ln(DJALaprx[175:1971]/lead(DJALaprx[175:1971], 1))[1:1796]	datDJALretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJALretOUTSAt7))	DJALESHIt7<-ES(datDJALretOUTSAt7$rev.DJALretOUTSAt7, p=0.975, method="historical")
DJAL	8	174	1970	2018-09-08	2018-09-08	DJALretOUTSAt8<-ln(DJALaprx[174:1970]/lead(DJALaprx[174:1970], 1))[1:1796]	datDJALretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJALretOUTSAt8))	DJALESHIt8<-ES(datDJALretOUTSAt8$rev.DJALretOUTSAt8, p=0.975, method="historical")
DJAL	9	173	1969	2018-09-09	2018-09-09	DJALretOUTSAt9<-ln(DJALaprx[173:1969]/lead(DJALaprx[173:1969], 1))[1:1796]	datDJALretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJALretOUTSAt9))	DJALESHIt9<-ES(datDJALretOUTSAt9$rev.DJALretOUTSAt9, p=0.975, method="historical")
DJAL	10	172	1968	2018-09-10	2018-09-10	DJALretOUTSAt10<-ln(DJALaprx[172:1968]/lead(DJALaprx[172:1968], 1))[1:1796]	datDJALretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJALretOUTSAt10))	DJALESHIt10<-ES(datDJALretOUTSAt10$rev.DJALretOUTSAt10, p=0.975, method="historical")
DJAL	11	171	1967	2018-09-11	2018-09-11	DJALretOUTSAt11<-ln(DJALaprx[171:1967]/lead(DJALaprx[171:1967], 1))[1:1796]	datDJALretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJALretOUTSAt11))	DJALESHIt11<-ES(datDJALretOUTSAt11$rev.DJALretOUTSAt11, p=0.975, method="historical")
DJAL	12	170	1966	2018-09-12	2018-09-12	DJALretOUTSAt12<-ln(DJALaprx[170:1966]/lead(DJALaprx[170:1966], 1))[1:1796]	datDJALretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJALretOUTSAt12))	DJALESHIt12<-ES(datDJALretOUTSAt12$rev.DJALretOUTSAt12, p=0.975, method="historical")
DJAL	13	169	1965	2018-09-13	2018-09-13	DJALretOUTSAt13<-ln(DJALaprx[169:1965]/lead(DJALaprx[169:1965], 1))[1:1796]	datDJALretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJALretOUTSAt13))	DJALESHIt13<-ES(datDJALretOUTSAt13$rev.DJALretOUTSAt13, p=0.975, method="historical")
DJAL	14	168	1964	2018-09-14	2018-09-14	DJALretOUTSAt14<-ln(DJALaprx[168:1964]/lead(DJALaprx[168:1964], 1))[1:1796]	datDJALretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJALretOUTSAt14))	DJALESHIt14<-ES(datDJALretOUTSAt14$rev.DJALretOUTSAt14, p=0.975, method="historical")
DJAL	15	167	1963	2018-09-15	2018-09-15	DJALretOUTSAt15<-ln(DJALaprx[167:1963]/lead(DJALaprx[167:1963], 1))[1:1796]	datDJALretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJALretOUTSAt15))	DJALESHIt15<-ES(datDJALretOUTSAt15$rev.DJALretOUTSAt15, p=0.975, method="historical")
DJAL	16	166	1962	2018-09-16	2018-09-16	DJALretOUTSAt16<-ln(DJALaprx[166:1962]/lead(DJALaprx[166:1962], 1))[1:1796]	datDJALretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJALretOUTSAt16))	DJALESHIt16<-ES(datDJALretOUTSAt16$rev.DJALretOUTSAt16, p=0.975, method="historical")
DJAL	17	165	1961	2018-09-17	2018-09-17	DJALretOUTSAt17<-ln(DJALaprx[165:1961]/lead(DJALaprx[165:1961], 1))[1:1796]	datDJALretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJALretOUTSAt17))	DJALESHIt17<-ES(datDJALretOUTSAt17$rev.DJALretOUTSAt17, p=0.975, method="historical")
DJAL	18	164	1960	2018-09-18	2018-09-18	DJALretOUTSAt18<-ln(DJALaprx[164:1960]/lead(DJALaprx[164:1960], 1))[1:1796]	datDJALretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJALretOUTSAt18))	DJALESHIt18<-ES(datDJALretOUTSAt18$rev.DJALretOUTSAt18, p=0.975, method="historical")
DJAL	19	163

DJAL	73	109	1905	2018-11-12	2018-11-12	DJAlretOUTSAt73<-ln(DJALaprx[189:1905]/lead(DJAlaprx[109:1905], 1))[1:1796]	datDJAlretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJAlretOUTSAt73))	DJALESHIt73<-ES(datDJAlretOUTSAt73$rev.DJAlretOUTSAt73, p=0.975, method="historical")
DJAL	74	108	1904	2018-11-13	2018-11-13	DJAlretOUTSAt74<-ln(DJALaprx[188:1904]/lead(DJAlaprx[108:1904], 1))[1:1796]	datDJAlretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJAlretOUTSAt74))	DJALESHIt74<-ES(datDJAlretOUTSAt74$rev.DJAlretOUTSAt74, p=0.975, method="historical")
DJAL	75	107	1903	2018-11-14	2018-11-14	DJAlretOUTSAt75<-ln(DJALaprx[187:1903]/lead(DJAlaprx[107:1903], 1))[1:1796]	datDJAlretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJAlretOUTSAt75))	DJALESHIt75<-ES(datDJAlretOUTSAt75$rev.DJAlretOUTSAt75, p=0.975, method="historical")
DJAL	76	106	1902	2018-11-15	2018-11-15	DJAlretOUTSAt76<-ln(DJALaprx[186:1902]/lead(DJAlaprx[106:1902], 1))[1:1796]	datDJAlretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJAlretOUTSAt76))	DJALESHIt76<-ES(datDJAlretOUTSAt76$rev.DJAlretOUTSAt76, p=0.975, method="historical")
DJAL	77	105	1901	2018-11-16	2018-11-16	DJAlretOUTSAt77<-ln(DJALaprx[185:1901]/lead(DJAlaprx[105:1901], 1))[1:1796]	datDJAlretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJAlretOUTSAt77))	DJALESHIt77<-ES(datDJAlretOUTSAt77$rev.DJAlretOUTSAt77, p=0.975, method="historical")
DJAL	78	104	1900	2018-11-17	2018-11-17	DJAlretOUTSAt78<-ln(DJALaprx[184:1900]/lead(DJAlaprx[104:1900], 1))[1:1796]	datDJAlretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJAlretOUTSAt78))	DJALESHIt78<-ES(datDJAlretOUTSAt78$rev.DJAlretOUTSAt78, p=0.975, method="historical")
DJAL	79	103	1899	2018-11-18	2018-11-18	DJAlretOUTSAt79<-ln(DJALaprx[183:1899]/lead(DJAlaprx[103:1899], 1))[1:1796]	datDJAlretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJAlretOUTSAt79))	DJALESHIt79<-ES(datDJAlretOUTSAt79$rev.DJAlretOUTSAt79, p=0.975, method="historical")
DJAL	80	102	1898	2018-11-19	2018-11-19	DJAlretOUTSAt80<-ln(DJALaprx[182:1898]/lead(DJAlaprx[102:1898], 1))[1:1796]	datDJAlretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJAlretOUTSAt80))	DJALESHIt80<-ES(datDJAlretOUTSAt80$rev.DJAlretOUTSAt80, p=0.975, method="historical")
DJAL	81	101	1897	2018-11-20	2018-11-20	DJAlretOUTSAt81<-ln(DJALaprx[181:1897]/lead(DJAlaprx[101:1897], 1))[1:1796]	datDJAlretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJAlretOUTSAt81))	DJALESHIt81<-ES(datDJAlretOUTSAt81$rev.DJAlretOUTSAt81, p=0.975, method="historical")
DJAL	82	100	1896	2018-11-21	2018-11-21	DJAlretOUTSAt82<-ln(DJALaprx[180:1896]/lead(DJAlaprx[100:1896], 1))[1:1796]	datDJAlretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJAlretOUTSAt82))	DJALESHIt82<-ES(datDJAlretOUTSAt82$rev.DJAlretOUTSAt82, p=0.975, method="historical")
DJAL	83	99	1895	2018-11-22	2018-11-22	DJAlretOUTSAt83<-ln(DJALaprx[99:1895]/lead(DJAlaprx[99:1895], 1))[1:1796]	datDJAlretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJAlretOUTSAt83))	DJALESHIt83<-ES(datDJAlretOUTSAt83$rev.DJAlretOUTSAt83, p=0.975, method="historical")
DJAL	84	98	1894	2018-11-23	2018-11-23	DJAlretOUTSAt84<-ln(DJALaprx[98:1894]/lead(DJAlaprx[98:1894], 1))[1:1796]	datDJAlretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJAlretOUTSAt84))	DJALESHIt84<-ES(datDJAlretOUTSAt84$rev.DJAlretOUTSAt84, p=0.975, method="historical")
DJAL	85	97	1893	2018-11-24	2018-11-24	DJAlretOUTSAt85<-ln(DJALaprx[97:1893]/lead(DJAlaprx[97:1893], 1))[1:1796]	datDJAlretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJAlretOUTSAt85))	DJALESHIt85<-ES(datDJAlretOUTSAt85$rev.DJAlretOUTSAt85, p=0.975, method="historical")
DJAL	86	96	1892	2018-11-25	2018-11-25	DJAlretOUTSAt86<-ln(DJALaprx[96:1892]/lead(DJAlaprx[96:1892], 1))[1:1796]	datDJAlretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJAlretOUTSAt86))	DJALESHIt86<-ES(datDJAlretOUTSAt86$rev.DJAlretOUTSAt86, p=0.975, method="historical")
DJAL	87	95	1891	2018-11-26	2018-11-26	DJAlretOUTSAt87<-ln(DJALaprx[95:1891]/lead(DJAlaprx[95:1891], 1))[1:1796]	datDJAlretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJAlretOUTSAt87))	DJALESHIt87<-ES(datDJAlretOUTSAt87$rev.DJAlretOUTSAt87, p=0.975, method="historical")
DJAL	88	94	1890	2018-11-27	2018-11-27	DJAlretOUTSAt88<-ln(DJALaprx[94:1890]/lead(DJAlaprx[94:1890], 1))[1:1796]	datDJAlretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJAlretOUTSAt88))	DJALESHIt88<-ES(datDJAlretOUTSAt88$rev.DJAlretOUTSAt88, p=0.975, method="historical")
DJAL	89	93	1889	2018-11-28	2018-11-28	DJAlretOUTSAt89<-ln(DJALaprx[93:1889]/lead(DJAlaprx[93:1889], 1))[1:1796]	datDJAlretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJAlretOUTSAt89))	DJALESHIt89<-ES(datDJAlretOUTSAt89$rev.DJAlretOUTSAt89, p=0.975, method="historical")
DJAL	90	92	1888	2018-11-29	2018-11-29	DJAlretOUTSAt90<-ln(DJALaprx[92:1888]/lead(DJAlaprx[92:1888], 1))[1:1796]	datDJAlretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJAlretOUTSAt90))	DJALESHIt90<-ES(datDJAlretOUTSAt90$rev.DJAlretOUTSAt90, p=0.975, method="historical")
DJAL	91	91	1887	2018-11-30	2018-11-30	DJAlretOUTSAt91<-ln(DJALaprx[91:1887]/lead(DJAlaprx[91:1887], 1))[1:1796]	datDJAlretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJAlretOUTSAt91))	DJALESHIt91<-ES(datDJAlretOUTSAt91$rev.DJAlretOUTSAt91, p=0.975, method="historical")
DJAL	92	90	1886	2018-12-01	2018-12-01	DJAlretOUTSAt92<-ln(DJALaprx[90:1886]/lead(DJAlaprx[90:1886], 1))[1:1796]	datDJAlretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJAlretOUTSAt92))	DJALESHIt92<-ES(datDJAlretOUTSAt92$rev.DJAlretOUTSAt92, p=0.975, method="historical")
DJAL	93	89	1885	2018-12-02	2018-12-02	DJAlretOUTSAt93<-ln(DJALaprx[89:1885]/lead(DJAlaprx[89:1885], 1))[1:1796]	datDJAlretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJAlretOUTSAt93))	DJALESHIt93<-ES(datDJAlretOUTSAt93$rev.DJAlretOUTSAt93, p=0.975, method="historical")
DJAL	94	88	1884	2018-12-03	2018-12-03	DJAlretOUTSAt94<-ln(DJALaprx[88:1884]/lead(DJAlaprx[88:1884], 1))[1:1796]	datDJAlretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJAlretOUTSAt94))	DJALESHIt94<-ES(datDJAlretOUTSAt94$rev.DJAlretOUTSAt94, p=0.975, method="historical")
DJAL	95	87	1883	2018-12-04	2018-12-04	DJAlretOUTSAt95<-ln(DJALaprx[87:1883]/lead(DJAlaprx[87:1883], 1))[1:1796]	datDJAlretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJAlretOUTSAt95))	DJALESHIt95<-ES(datDJAlretOUTSAt95$rev.DJAlretOUTSAt95, p=0.975, method="historical")
DJAL	96	86	1882	2018-12-05	2018-12-05	DJAlretOUTSAt96<-ln(DJALaprx[86:1882]/lead(DJAlaprx[86:1882], 1))[1:1796]	datDJAlretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJAlretOUTSAt96))	DJALESHIt96<-ES(datDJAlretOUTSAt96$rev.DJAlretOUTSAt96, p=0.975, method="historical")
DJAL	97	85	1881	2018-12-06	2018-12-06	DJAlretOUTSAt97<-ln(DJALaprx[85:1881]/lead(DJAlaprx[85:1881], 1))[1:1796]	datDJAlretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJAlretOUTSAt97))	DJALESHIt97<-ES(datDJAlretOUTSAt97$rev.DJAlretOUTSAt97, p=0.975, method="historical")
DJAL	98	84	1880	2018-12-07	2018-12-07	DJAlretOUTSAt98<-ln(DJALaprx[84:1880]/lead(DJAlaprx[84:1880], 1))[1:1796]	datDJAlretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJAlretOUTSAt98))	DJALESHIt98<-ES(datDJAlretOUTSAt98$rev.DJAlretOUTSAt98, p=0.975, method="historical")
DJAL	99	83	1879	2018-12-08	2018-12-08	DJAlretOUTSAt99<-ln(DJALaprx[83:1879]/lead(DJAlaprx[83:1879], 1))[1:1796]	datDJAlretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJAlretOUTSAt99))	DJALESHIt99<-ES(datDJAlretOUTSAt99$rev.DJAlretOUTSAt99, p=0.975, method="historical")
DJAL	100	82	1878	2018-12-09	2018-12-09	DJAlretOUTSAt100<-ln(DJALaprx[82:1878]/lead(DJAlaprx[82:1878], 1))[1:1796]	datDJAlretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJAlretOUTSAt100))	DJALESHIt100<-ES(datDJAlretOUTSAt100$rev.DJAlretOUTSAt100, p=0.975, method="historical")
DJAL	101	81	1877	2018-12-10	2018-12-10	DJAlretOUTSAt101<-ln(DJALaprx[81:1877]/lead(DJAlaprx[81:1877], 1))[1:1796]	datDJAlretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJAlretOUTSAt101))	DJALESHIt101<-ES(datDJAlretOUTSAt101$rev.DJAlretOUTSAt101, p=0.975, method="historical")
DJAL	102	80	1876	2018-12-11	2018-12-11	DJAlretOUTSAt102<-ln(DJALaprx[80:1876]/lead(DJAlaprx[80:1876], 1))[1:1796]	datDJAlretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJAlretOUTSAt102))	DJALESHIt102<-ES(datDJAlretOUTSAt102$rev.DJAlretOUTSAt102, p=0.975, method="historical")
DJAL	103	79	1875	2018-12-12	2018-12-12	DJAlretOUTSAt103<-ln(DJALaprx[79:1875]/lead(DJAlaprx[79:1875], 1))[1:1796]	datDJAlretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJAlretOUTSAt103))	DJALESHIt103<-ES(datDJAlretOUTSAt103$rev.DJAlretOUTSAt103, p=0.975, method="historical")
DJAL	104	78	1874	2018-12-13	2018-12-13	DJAlretOUTSAt104<-ln(DJALaprx[78:1874]/lead(DJAlaprx[78:1874], 1))[1:1796]	datDJAlretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJAlretOUTSAt104))	DJALESHIt104<-ES(datDJAlretOUTSAt104$rev.DJAlretOUTSAt104, p=0.975, method="historical")
DJAL	105	77	1873	2018-12-14	2018-12-14	DJAlretOUTSAt105<-ln(DJALaprx[77:1873]/lead(DJAlaprx[77:1873], 1))[1:1796]	datDJAlretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJAlretOUTSAt105))	DJALESHIt105<-ES(datDJAlretOUTSAt105$rev.DJAlretOUTSAt105, p=0.975, method="historical")
DJAL	106	76	1872	2018-12-15	2018-12-15	DJAlretOUTSAt106<-ln(DJALaprx[76:1872]/lead(DJAlaprx[76:1872], 1))[1:1796]	datDJAlretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJAlretOUTSAt106))	DJALESHIt106<-ES(datDJAlretOUTSAt106$rev.DJAlretOUTSAt106, p=0.975, method="historical")
DJAL	107	75	1871	2018-12-16	2018-12-16	DJAlretOUTSAt107<-ln(DJALaprx[75:1871]/lead(DJAlaprx[75:1871], 1))[1:1796]	datDJAlretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJAlretOUTSAt107))	DJALESHIt107<-ES(datDJAlretOUTSAt107$rev.DJAlretOUTSAt107, p=0.975, method="historical")
DJAL	108	74	1870	2018-12-17	2018-12-17	DJAlretOUTSAt108<-ln(DJALaprx[74:1870]/lead(DJAlaprx[74:1870], 1))[1:1796]	datDJAlretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJAlretOUTSAt108))	DJALESHIt108<-ES(datDJAlretOUTSAt108$rev.DJAlretOUTSAt108, p=0.975, method="historical")
DJAL	109	73	1869	2018-12-18	2018-12-18	DJAlretOUTSAt109<-ln(DJALaprx[73:1869]/lead(DJAlaprx[73:1869], 1))[1:1796]	datDJAlretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJAlretOUTSAt109))	DJALESHIt109<-ES(datDJAlretOUTSAt109$rev.DJAlretOUTSAt109, p=0.975, method="historical")
DJAL	110	72	1868	2018-12-19	2018-12-19	DJAlretOUTSAt110<-ln(DJALaprx[72:1868]/lead(DJAlaprx[72:1868], 1))[1:1796]	datDJAlretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJAlretOUTSAt110))	DJALESHIt110<-ES(datDJAlretOUTSAt110$rev.DJAlretOUTSAt110, p=0.975, method="historical")
DJAL	111	71	1867	2018-12-20	2018-12-20	DJAlretOUTSAt111<-ln(DJALaprx[71:1867]/lead(DJAlaprx[71:1867], 1))[1:1796]	datDJAlretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJAlretOUTSAt111))	DJALESHIt111<-ES(datDJAlretOUTSAt111$rev.DJAlretOUTSAt111, p=0.975, method="historical")
DJAL	112	70	1866	2018-12-21	2018-12-21	DJAlretOUTSAt112<-ln(DJALaprx[70:1866]/lead(DJAlaprx[70:1866], 1))[1:1796]	datDJAlretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJAlretOUTSAt112))	DJALESHIt112<-ES(datDJAlretOUTSAt112$rev.DJAlretOUTSAt112, p=0.975, method="historical")
DJAL	113	69	1865	2018-12-22	2018-12-22	DJAlretOUTSAt113<-ln(DJALaprx[69:1865]/lead(DJAlaprx[69:1865], 1))[1:1796]	datDJAlretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJAlretOUTSAt113))	DJALESHIt113<-ES(datDJAlretOUTSAt113$rev.DJAlretOUTSAt113, p=0.975, method="historical")
DJAL	114	68	1864	2018-12-23	2018-12-23	DJAlretOUTSAt114<-ln(DJALaprx[68:1864]/lead(DJAlaprx[68:1864], 1))[1:1796]	datDJAlretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJAlretOUTSAt114))	DJALESHIt114<-ES(datDJAlretOUTSAt114$rev.DJAlretOUTSAt114, p=0.975, method="historical")
DJAL	115	67	1863	2018-12-24	2018-12-24	DJAlretOUTSAt115<-ln(DJALaprx[67:1863]/lead(DJAlaprx[67:1863], 1))[1:1796]	datDJAlretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJAlretOUTSAt115))	DJALESHIt115<-ES(datDJAlretOUTSAt115$rev.DJAlretOUTSAt115, p=0.975, method="historical")
DJAL	116	66	1862	2018-12-25	2018-12-25	DJAlretOUTSAt116<-ln(DJALaprx[66:1862]/lead(DJAlaprx[66:1862], 1))[1:1796]	datDJAlretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJAlretOUTSAt116))	DJALESHIt116<-ES(datDJAlretOUTSAt116$rev.DJAlretOUTSAt116, p=0.975, method="historical")
DJAL	117	65	1861	2018-12-26	2018-12-26	DJAlretOUTSAt117<-ln(DJALaprx[65:1861]/lead(DJAlaprx[65:1861], 1))[1:1796]	datDJAlretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJAlretOUTSAt117))	DJALESHIt117<-ES(datDJAlretOUTSAt117$rev.DJAlretOUTSAt117, p=0.975, method="historical")
DJAL	118	64	1860	2018-12-27	2018-12-27	DJAlretOUTSAt118<-ln(DJALaprx[64:1860]/lead(DJAlaprx[64:1860], 1))[1:1796]	datDJAlretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJAlretOUTSAt118))	DJALESHIt118<-ES(datDJAlretOUTSAt118$rev.DJAlretOUTSAt118, p=0.975, method="historical")
DJAL	119	63	1859	2018-12-28	2018-12-28	DJAlretOUTSAt119<-ln(DJALaprx[63:1859]/lead(DJAlaprx[63:1859], 1))[1:1796]	datDJAlretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJAlretOUTSAt119))	DJALESHIt119<-ES(datDJAlretOUTSAt119$rev.DJAlretOUTSAt119, p=0.975, method="historical")
DJAL	120	62	1858	2018-12-29	2018-12-29	DJAlretOUTSAt120<-ln(DJALaprx[62:1858]/lead(DJAlaprx[62:1858], 1))[1:1796]	datDJAlretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJAlretOUTSAt120))	DJALESHIt120<-ES(datDJAlretOUTSAt120$rev.DJAlretOUTSAt120, p=0.975, method="historical")
DJAL	121	61	1857	2018-12-30	2018-12-30	DJAlretOUTSAt121<-ln(DJALaprx[61:1857]/lead(DJAlaprx[61:1857], 1))[1:1796]	datDJAlretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJAlretOUTSAt121))	DJALESHIt121<-ES(datDJAlretOUTSAt121$rev.DJAlretOUTSAt121, p=0.975, method="historical")
DJAL	122	60	1856	2018-12-31	2018-12-31	DJAlretOUTSAt122<-ln(DJALaprx[60:1856]/lead(DJAlaprx[60:1856], 1))[1:1796]	datDJAlretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJAlretOUTSAt122))	DJALESHIt122<-ES(datDJAlretOUTSAt122$rev.DJAlretOUTSAt122, p=0.975, method="historical")
DJAL	123	59	1855	2019-01-01	2019-01-01	DJAlretOUTSAt123<-ln(DJALaprx[59:1855]/lead(DJAlaprx[59:1855], 1))[1:1796]	datDJAlretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJAlretOUTSAt123))	DJALESHIt123<-ES(datDJAlretOUTSAt123$rev.DJAlretOUTSAt123, p=0.975, method="historical")
DJAL	124	58	1854	2019-01-02	2019-01-02	DJAlretOUTSAt124<-ln(DJALaprx[58:1854]/lead(DJAlaprx[58:1854], 1))[1:1796]	datDJAlretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJAlretOUTSAt124))	DJALESHIt124<-ES(datDJAlretOUTSAt124$rev.DJAlretOUTSAt124, p=0.975, method="historical")
DJAL	125	57	1853	2019-01-03	2019-01-03	DJAlretOUTSAt125<-ln(DJALaprx[57:1853]/lead(DJAlaprx[57:1853], 1))[1:1796]	datDJAlretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJAlretOUTSAt125))	DJALESHIt125<-ES(datDJAlretOUTSAt125$rev.DJAlretOUTSAt125, p=0.975, method="historical")
DJAL	126	56	1852	2019-01-04	2019-01-04	DJAlretOUTSAt126<-ln(DJALaprx[56:1852]/lead(DJAlaprx[56:1852], 1))[1:1796]	datDJAlretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJAlretOUTSAt126))	DJALESHIt126<-ES(datDJAlretOUTSAt126$rev.DJAlretOUTSAt126, p=0.975, method="historical")
DJAL	127	55	1851	2019-01-05	2019-01-05	DJAlretOUTSAt127<-ln(DJALaprx[55:1851]/lead(DJAlaprx[55:1851], 1))[1:1796]	datDJAlretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJAlretOUTSAt127))	DJALESHIt127<-ES(datDJAlretOUTSAt127$rev.DJAlretOUTSAt127, p=0.975, method="historical")
DJAL	128	54	1850	2019-01-06	2019-01-06	DJAlretOUTSAt128<-ln(DJALaprx[54:1850]/lead(DJAlaprx[54:1850], 1))[1:1796]	datDJAlretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJAlretOUTSAt128))	DJALESHIt128<-ES(datDJAlretOUTSAt128$rev.DJAlretOUTSAt128, p=0.975, method="historical")
DJAL	129	53	1849	2019-01-07	2019-01-07	DJAlretOUTSAt129<-ln(DJALaprx[53:1849]/lead(DJAlaprx[53:1849], 1))[1:1796]	datDJAlretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJAlretOUTSAt129))	DJALESHIt129<-ES(datDJAlretOUTSAt129$rev.DJAlretOUTSAt129, p=0.975, method="historical")
DJAL	130	52	1848	2019-01-08	2019-01-08	DJAlretOUTSAt130<-ln(DJALaprx[52:1848]/lead(DJAlaprx[52:1848], 1))[1:1796]	datDJAlretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJAlretOUTSAt130))	DJALESHIt130<-ES(datDJAlretOUTSAt130$rev.DJAlretOUTSAt130, p=0.975, method="historical")
DJAL	131	51	1847	2019-01-09	2019-01-09	DJAlretOUTSAt131<-ln(DJALaprx[51:1847]/lead(DJAlaprx[51:1847], 1))[1:1796]	datDJAlretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJAlretOUTSAt131))	DJALESHIt131<-ES(datDJAlretOUTSAt131$rev.DJAlretOUTSAt131, p=0.975, method="historical")
DJAL	132	50	1846	2019-01-10	2019-01-10	DJAlretOUTSAt132<-ln(DJALaprx[50:1846]/lead(DJAlaprx[50:1846], 1))[1:1796]	datDJAlretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJAlretOUTSAt132))	DJALESHIt132<-ES(datDJAlretOUTSAt132$rev.DJAlretOUTSAt132, p=0.975, method="historical")
DJAL	133	49	1845	2019-01-11	2019-01-11	DJAlretOUTSAt133<-ln(DJALaprx[49:1845]/lead(DJAlaprx[49:1845], 1))[1:1796]	datDJAlretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJAlretOUTSAt133))	DJALESHIt133<-ES(datDJAlretOUTSAt133$rev.DJAlretOUTSAt133, p=0.975, method="historical")
DJAL	134	48	1844	2019-01-12	2019-01-12	DJAlretOUTSAt134<-ln(DJALaprx[48:1844]/lead(DJAlaprx[48:1844], 1))[1:1796]	datDJAlretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJAlretOUTSAt134))	DJALESHIt134<-ES(datDJAlretOUTSAt134$rev.DJAlretOUTSAt134, p=0.975, method="historical")
DJAL	135	47	1843	2019-01-13	2019-01-13	DJAlretOUTSAt135<-ln(DJALaprx[47:1843]/lead(DJAlaprx[47:1843], 1))[1:1796]	datDJAlretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJAlretOUTSAt135))	DJALESHIt135<-ES(datDJAlretOUTSAt135$rev.DJAlretOUTSAt135, p=0.975, method="historical")
DJAL	136	46	1842	2019-01-14	2019-01-14	DJAlretOUTSAt136<-ln(DJALaprx[46:1842]/lead(DJAlaprx[46:1842], 1))[1:1796]	datDJAlretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJAlretOUTSAt136))	DJALESHIt136<-ES(datDJAlretOUTSAt136$rev.DJAlretOUTSAt136, p=0.975, method="historical")
DJAL	137	45	1841	2019-01-15	2019-01-15	DJAlretOUTSAt137<-ln(DJALaprx[45:1841]/lead(DJAlaprx[45:1841], 1))[1:1796]	datDJAlretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJAlretOUTSAt137))	DJALESHIt137<-ES(datDJAlretOUTSAt137$rev.DJAlretOUTSAt137, p=0.975, method="historical")
DJAL	138	44	1840	2019-01-16	2019-01-16	DJAlretOUTSAt138<-ln(DJALaprx[44:1840]/lead(DJAlaprx[44:1840], 1))[1:1796]	datDJAlretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJAlretOUTSAt138))	DJALESHIt138<-ES(datDJAlretOUTSAt138$rev.DJAlretOUTSAt138, p=0.975, method="historical")
DJAL	139	43	1839	2019-01-17	2019-01-17	DJAlretOUTSAt139<-ln(DJALaprx[43:1839]/lead(DJAlaprx[43:1839], 1))[1:1796]	datDJAlretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJAlretOUTSAt139))	DJALESHIt139<-ES(datDJAlretOUTSAt139$rev.DJAlretOUTSAt139, p=0.975, method="historical")
DJAL	140	42	1838	2019-01-18	2019-01-18	DJAlretOUTSAt140<-ln(DJALaprx[42:1838]/lead(DJAlaprx[42:1838], 1))[1:1796]	datDJAlretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJAlretOUTSAt140))	DJALESHIt140<-ES(datDJAlretOUTSAt140$rev.DJAlretOUTSAt140, p=0.975, method="historical")
DJAL	141	41	1837	2019-01-19	2019-01-19	DJAlretOUTSAt141<-ln(DJALaprx[41:1837]/lead(DJAlaprx[41:1837], 1))[1:1796]	datDJAlretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJAlretOUTSAt141))	DJALESHIt141<-ES(datDJAlretOUTSAt141$rev.DJAlretOUTSAt141, p=0.975, method="historical")
DJAL	142	40	1836	2019-01-20	2019-01-20	DJAlretOUTSAt142<-ln(DJALaprx[40:1836]/lead(DJAlaprx[40:1836], 1))[1:1796]	datDJAlretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJAlretOUTSAt142))	DJALESHIt142<-ES(datDJAlretOUTSAt142$rev.DJAlretOUTSAt142, p=0.975, method="historical")
DJAL	143	39	1835	2019-01-21	2019-01-21	DJAlretOUTSAt143<-ln(DJALaprx[39:1835]/lead(DJAlaprx[39:1835], 1))[1:1796]	datDJAlretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJAlretOUTSAt143))	DJALESHIt143<-ES(datDJAlretOUTSAt143$rev.DJAlretOUT



DJCC	148	34	1830	2019-01-26	2019-01-26	DJCCretOUTSAt148<-ln(DJCCaprx[34:1830],lead(DJCCaprx[34:1830, 1))[1:1796]	datDJCCretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJCCretOUTSAt148))	DJCCESHIt148<-ES(datDJCCretOUTSAt148$rev,DJCCretOUTSAt148, p=0.975, method="historical")
DJCC	149	33	1829	2019-01-27	2019-01-27	DJCCretOUTSAt149<-ln(DJCCaprx[33:1829],lead(DJCCaprx[33:1829], 1))[1:1796]	datDJCCretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJCCretOUTSAt149))	DJCCESHIt149<-ES(datDJCCretOUTSAt149$rev,DJCCretOUTSAt149, p=0.975, method="historical")
DJCC	150	32	1828	2019-01-28	2019-01-28	DJCCretOUTSAt150<-ln(DJCCaprx[32:1828],lead(DJCCaprx[32:1828, 1))[1:1796]	datDJCCretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJCCretOUTSAt150))	DJCCESHIt150<-ES(datDJCCretOUTSAt150$rev,DJCCretOUTSAt150, p=0.975, method="historical")
DJCC	151	31	1827	2019-01-29	2019-01-29	DJCCretOUTSAt151<-ln(DJCCaprx[31:1827],lead(DJCCaprx[31:1827], 1))[1:1796]	datDJCCretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJCCretOUTSAt151))	DJCCESHIt151<-ES(datDJCCretOUTSAt151$rev,DJCCretOUTSAt151, p=0.975, method="historical")
DJCC	152	30	1826	2019-01-30	2019-01-30	DJCCretOUTSAt152<-ln(DJCCaprx[30:1826],lead(DJCCaprx[30:1826], 1))[1:1796]	datDJCCretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJCCretOUTSAt152))	DJCCESHIt152<-ES(datDJCCretOUTSAt152$rev,DJCCretOUTSAt152, p=0.975, method="historical")
DJCC	153	29	1825	2019-01-31	2019-01-31	DJCCretOUTSAt153<-ln(DJCCaprx[29:1825],lead(DJCCaprx[29:1825], 1))[1:1796]	datDJCCretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJCCretOUTSAt153))	DJCCESHIt153<-ES(datDJCCretOUTSAt153$rev,DJCCretOUTSAt153, p=0.975, method="historical")
DJCC	154	28	1824	2019-02-01	2019-02-01	DJCCretOUTSAt154<-ln(DJCCaprx[28:1824],lead(DJCCaprx[28:1824], 1))[1:1796]	datDJCCretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJCCretOUTSAt154))	DJCCESHIt154<-ES(datDJCCretOUTSAt154$rev,DJCCretOUTSAt154, p=0.975, method="historical")
DJCC	155	27	1823	2019-02-02	2019-02-02	DJCCretOUTSAt155<-ln(DJCCaprx[27:1823],lead(DJCCaprx[27:1823], 1))[1:1796]	datDJCCretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJCCretOUTSAt155))	DJCCESHIt155<-ES(datDJCCretOUTSAt155$rev,DJCCretOUTSAt155, p=0.975, method="historical")
DJCC	156	26	1822	2019-02-03	2019-02-03	DJCCretOUTSAt156<-ln(DJCCaprx[26:1822],lead(DJCCaprx[26:1822], 1))[1:1796]	datDJCCretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJCCretOUTSAt156))	DJCCESHIt156<-ES(datDJCCretOUTSAt156$rev,DJCCretOUTSAt156, p=0.975, method="historical")
DJCC	157	25	1821	2019-02-04	2019-02-04	DJCCretOUTSAt157<-ln(DJCCaprx[25:1821],lead(DJCCaprx[25:1821], 1))[1:1796]	datDJCCretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJCCretOUTSAt157))	DJCCESHIt157<-ES(datDJCCretOUTSAt157$rev,DJCCretOUTSAt157, p=0.975, method="historical")
DJCC	158	24	1820	2019-02-05	2019-02-05	DJCCretOUTSAt158<-ln(DJCCaprx[24:1820],lead(DJCCaprx[24:1820], 1))[1:1796]	datDJCCretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJCCretOUTSAt158))	DJCCESHIt158<-ES(datDJCCretOUTSAt158$rev,DJCCretOUTSAt158, p=0.975, method="historical")
DJCC	159	23	1819	2019-02-06	2019-02-06	DJCCretOUTSAt159<-ln(DJCCaprx[23:1819],lead(DJCCaprx[23:1819], 1))[1:1796]	datDJCCretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJCCretOUTSAt159))	DJCCESHIt159<-ES(datDJCCretOUTSAt159$rev,DJCCretOUTSAt159, p=0.975, method="historical")
DJCC	160	22	1818	2019-02-07	2019-02-07	DJCCretOUTSAt160<-ln(DJCCaprx[22:1818],lead(DJCCaprx[22:1818], 1))[1:1796]	datDJCCretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJCCretOUTSAt160))	DJCCESHIt160<-ES(datDJCCretOUTSAt160$rev,DJCCretOUTSAt160, p=0.975, method="historical")
DJCC	161	21	1817	2019-02-08	2019-02-08	DJCCretOUTSAt161<-ln(DJCCaprx[21:1817],lead(DJCCaprx[21:1817], 1))[1:1796]	datDJCCretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJCCretOUTSAt161))	DJCCESHIt161<-ES(datDJCCretOUTSAt161$rev,DJCCretOUTSAt161, p=0.975, method="historical")
DJCC	162	20	1816	2019-02-09	2019-02-09	DJCCretOUTSAt162<-ln(DJCCaprx[20:1816],lead(DJCCaprx[20:1816], 1))[1:1796]	datDJCCretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJCCretOUTSAt162))	DJCCESHIt162<-ES(datDJCCretOUTSAt162$rev,DJCCretOUTSAt162, p=0.975, method="historical")
DJCC	163	19	1815	2019-02-10	2019-02-10	DJCCretOUTSAt163<-ln(DJCCaprx[19:1815],lead(DJCCaprx[19:1815], 1))[1:1796]	datDJCCretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJCCretOUTSAt163))	DJCCESHIt163<-ES(datDJCCretOUTSAt163$rev,DJCCretOUTSAt163, p=0.975, method="historical")
DJCC	164	18	1814	2019-02-11	2019-02-11	DJCCretOUTSAt164<-ln(DJCCaprx[18:1814],lead(DJCCaprx[18:1814], 1))[1:1796]	datDJCCretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJCCretOUTSAt164))	DJCCESHIt164<-ES(datDJCCretOUTSAt164$rev,DJCCretOUTSAt164, p=0.975, method="historical")
DJCC	165	17	1813	2019-02-12	2019-02-12	DJCCretOUTSAt165<-ln(DJCCaprx[17:1813],lead(DJCCaprx[17:1813], 1))[1:1796]	datDJCCretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJCCretOUTSAt165))	DJCCESHIt165<-ES(datDJCCretOUTSAt165$rev,DJCCretOUTSAt165, p=0.975, method="historical")
DJCC	166	16	1812	2019-02-13	2019-02-13	DJCCretOUTSAt166<-ln(DJCCaprx[16:1812],lead(DJCCaprx[16:1812], 1))[1:1796]	datDJCCretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJCCretOUTSAt166))	DJCCESHIt166<-ES(datDJCCretOUTSAt166$rev,DJCCretOUTSAt166, p=0.975, method="historical")
DJCC	167	15	1811	2019-02-14	2019-02-14	DJCCretOUTSAt167<-ln(DJCCaprx[15:1811],lead(DJCCaprx[15:1811], 1))[1:1796]	datDJCCretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJCCretOUTSAt167))	DJCCESHIt167<-ES(datDJCCretOUTSAt167$rev,DJCCretOUTSAt167, p=0.975, method="historical")
DJCC	168	14	1810	2019-02-15	2019-02-15	DJCCretOUTSAt168<-ln(DJCCaprx[14:1810],lead(DJCCaprx[14:1810], 1))[1:1796]	datDJCCretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJCCretOUTSAt168))	DJCCESHIt168<-ES(datDJCCretOUTSAt168$rev,DJCCretOUTSAt168, p=0.975, method="historical")
DJCC	169	13	1809	2019-02-16	2019-02-16	DJCCretOUTSAt169<-ln(DJCCaprx[13:1809],lead(DJCCaprx[13:1809], 1))[1:1796]	datDJCCretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJCCretOUTSAt169))	DJCCESHIt169<-ES(datDJCCretOUTSAt169$rev,DJCCretOUTSAt169, p=0.975, method="historical")
DJCC	170	12	1808	2019-02-17	2019-02-17	DJCCretOUTSAt170<-ln(DJCCaprx[12:1808],lead(DJCCaprx[12:1808], 1))[1:1796]	datDJCCretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJCCretOUTSAt170))	DJCCESHIt170<-ES(datDJCCretOUTSAt170$rev,DJCCretOUTSAt170, p=0.975, method="historical")
DJCC	171	11	1807	2019-02-18	2019-02-18	DJCCretOUTSAt171<-ln(DJCCaprx[11:1807],lead(DJCCaprx[11:1807], 1))[1:1796]	datDJCCretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJCCretOUTSAt171))	DJCCESHIt171<-ES(datDJCCretOUTSAt171$rev,DJCCretOUTSAt171, p=0.975, method="historical")
DJCC	172	10	1806	2019-02-19	2019-02-19	DJCCretOUTSAt172<-ln(DJCCaprx[10:1806],lead(DJCCaprx[10:1806], 1))[1:1796]	datDJCCretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJCCretOUTSAt172))	DJCCESHIt172<-ES(datDJCCretOUTSAt172$rev,DJCCretOUTSAt172, p=0.975, method="historical")
DJCC	173	9	1805	2019-02-20	2019-02-20	DJCCretOUTSAt173<-ln(DJCCaprx[9:1805],lead(DJCCaprx[9:1805], 1))[1:1796]	datDJCCretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJCCretOUTSAt173))	DJCCESHIt173<-ES(datDJCCretOUTSAt173$rev,DJCCretOUTSAt173, p=0.975, method="historical")
DJCC	174	8	1804	2019-02-21	2019-02-21	DJCCretOUTSAt174<-ln(DJCCaprx[8:1804],lead(DJCCaprx[8:1804], 1))[1:1796]	datDJCCretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJCCretOUTSAt174))	DJCCESHIt174<-ES(datDJCCretOUTSAt174$rev,DJCCretOUTSAt174, p=0.975, method="historical")
DJCC	175	7	1803	2019-02-22	2019-02-22	DJCCretOUTSAt175<-ln(DJCCaprx[7:1803],lead(DJCCaprx[7:1803], 1))[1:1796]	datDJCCretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJCCretOUTSAt175))	DJCCESHIt175<-ES(datDJCCretOUTSAt175$rev,DJCCretOUTSAt175, p=0.975, method="historical")
DJCC	176	6	1802	2019-02-23	2019-02-23	DJCCretOUTSAt176<-ln(DJCCaprx[6:1802],lead(DJCCaprx[6:1802], 1))[1:1796]	datDJCCretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJCCretOUTSAt176))	DJCCESHIt176<-ES(datDJCCretOUTSAt176$rev,DJCCretOUTSAt176, p=0.975, method="historical")
DJCC	177	5	1801	2019-02-24	2019-02-24	DJCCretOUTSAt177<-ln(DJCCaprx[5:1801],lead(DJCCaprx[5:1801], 1))[1:1796]	datDJCCretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJCCretOUTSAt177))	DJCCESHIt177<-ES(datDJCCretOUTSAt177$rev,DJCCretOUTSAt177, p=0.975, method="historical")
DJCC	178	4	1800	2019-02-25	2019-02-25	DJCCretOUTSAt178<-ln(DJCCaprx[4:1800],lead(DJCCaprx[4:1800], 1))[1:1796]	datDJCCretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJCCretOUTSAt178))	DJCCESHIt178<-ES(datDJCCretOUTSAt178$rev,DJCCretOUTSAt178, p=0.975, method="historical")
DJCC	179	3	1799	2019-02-26	2019-02-26	DJCCretOUTSAt179<-ln(DJCCaprx[3:1799],lead(DJCCaprx[3:1799], 1))[1:1796]	datDJCCretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJCCretOUTSAt179))	DJCCESHIt179<-ES(datDJCCretOUTSAt179$rev,DJCCretOUTSAt179, p=0.975, method="historical")
DJCC	180	2	1798	2019-02-27	2019-02-27	DJCCretOUTSAt180<-ln(DJCCaprx[2:1798],lead(DJCCaprx[2:1798], 1))[1:1796]	datDJCCretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJCCretOUTSAt180))	DJCCESHIt180<-ES(datDJCCretOUTSAt180$rev,DJCCretOUTSAt180, p=0.975, method="historical")
DJCC	181	1	1797	2019-02-28	2019-02-28	DJCCretOUTSAt181<-ln(DJCCaprx[1:1797],lead(DJCCaprx[1:1797], 1))[1:1796]	datDJCCretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJCCretOUTSAt181))	DJCCESHIt181<-ES(datDJCCretOUTSAt181$rev,DJCCretOUTSAt181, p=0.975, method="historical")
#DJCF								
DJCF	1	181	1977	2018-09-01	2018-09-01	DJCFretOUTSAt1<-ln(DJCFaprx[181:1977],lead(DJCFaprx[181:1977], 1))[1:1796]	datDJCFretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJCFretOUTSAt1))	DJCFESHIt1<-ES(datDJCFretOUTSAt1$rev,DJCFretOUTSAt1, p=0.975, method="historical")
DJCF	2	180	1976	2018-09-02	2018-09-02	DJCFretOUTSAt2<-ln(DJCFaprx[180:1976],lead(DJCFaprx[180:1976], 1))[1:1796]	datDJCFretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJCFretOUTSAt2))	DJCFESHIt2<-ES(datDJCFretOUTSAt2$rev,DJCFretOUTSAt2, p=0.975, method="historical")
DJCF	3	179	1975	2018-09-03	2018-09-03	DJCFretOUTSAt3<-ln(DJCFaprx[179:1975],lead(DJCFaprx[179:1975], 1))[1:1796]	datDJCFretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJCFretOUTSAt3))	DJCFESHIt3<-ES(datDJCFretOUTSAt3$rev,DJCFretOUTSAt3, p=0.975, method="historical")
DJCF	4	178	1974	2018-09-04	2018-09-04	DJCFretOUTSAt4<-ln(DJCFaprx[178:1974],lead(DJCFaprx[178:1974], 1))[1:1796]	datDJCFretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJCFretOUTSAt4))	DJCFESHIt4<-ES(datDJCFretOUTSAt4$rev,DJCFretOUTSAt4, p=0.975, method="historical")
DJCF	5	177	1973	2018-09-05	2018-09-05	DJCFretOUTSAt5<-ln(DJCFaprx[177:1973],lead(DJCFaprx[177:1973], 1))[1:1796]	datDJCFretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJCFretOUTSAt5))	DJCFESHIt5<-ES(datDJCFretOUTSAt5$rev,DJCFretOUTSAt5, p=0.975, method="historical")
DJCF	6	176	1972	2018-09-06	2018-09-06	DJCFretOUTSAt6<-ln(DJCFaprx[176:1972],lead(DJCFaprx[176:1972], 1))[1:1796]	datDJCFretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJCFretOUTSAt6))	DJCFESHIt6<-ES(datDJCFretOUTSAt6$rev,DJCFretOUTSAt6, p=0.975, method="historical")
DJCF	7	175	1971	2018-09-07	2018-09-07	DJCFretOUTSAt7<-ln(DJCFaprx[175:1971],lead(DJCFaprx[175:1971], 1))[1:1796]	datDJCFretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJCFretOUTSAt7))	DJCFESHIt7<-ES(datDJCFretOUTSAt7$rev,DJCFretOUTSAt7, p=0.975, method="historical")
DJCF	8	174	1970	2018-09-08	2018-09-08	DJCFretOUTSAt8<-ln(DJCFaprx[174:1970],lead(DJCFaprx[174:1970], 1))[1:1796]	datDJCFretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJCFretOUTSAt8))	DJCFESHIt8<-ES(datDJCFretOUTSAt8$rev,DJCFretOUTSAt8, p=0.975, method="historical")
DJCF	9	173	1969	2018-09-09	2018-09-09	DJCFretOUTSAt9<-ln(DJCFaprx[173:1969],lead(DJCFaprx[173:1969], 1))[1:1796]	datDJCFretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJCFretOUTSAt9))	DJCFESHIt9<-ES(datDJCFretOUTSAt9$rev,DJCFretOUTSAt9, p=0.975, method="historical")
DJCF	10	172	1968	2018-09-10	2018-09-10	DJCFretOUTSAt10<-ln(DJCFaprx[172:1968],lead(DJCFaprx[172:1968], 1))[1:1796]	datDJCFretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJCFretOUTSAt10))	DJCFESHIt10<-ES(datDJCFretOUTSAt10$rev,DJCFretOUTSAt10, p=0.975, method="historical")
DJCF	11	171	1967	2018-09-11	2018-09-11	DJCFretOUTSAt11<-ln(DJCFaprx[171:1967],lead(DJCFaprx[171:1967], 1))[1:1796]	datDJCFretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJCFretOUTSAt11))	DJCFESHIt11<-ES(datDJCFretOUTSAt11$rev,DJCFretOUTSAt11, p=0.975, method="historical")
DJCF	12	170	1966	2018-09-12	2018-09-12	DJCFretOUTSAt12<-ln(DJCFaprx[170:1966],lead(DJCFaprx[170:1966], 1))[1:1796]	datDJCFretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJCFretOUTSAt12))	DJCFESHIt12<-ES(datDJCFretOUTSAt12$rev,DJCFretOUTSAt12, p=0.975, method="historical")
DJCF	13	169	1965	2018-09-13	2018-09-13	DJCFretOUTSAt13<-ln(DJCFaprx[169:1965],lead(DJCFaprx[169:1965], 1))[1:1796]	datDJCFretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJCFretOUTSAt13))	DJCFESHIt13<-ES(datDJCFretOUTSAt13$rev,DJCFretOUTSAt13, p=0.975, method="historical")
DJCF	14	168	1964	2018-09-14	2018-09-14	DJCFretOUTSAt14<-ln(DJCFaprx[168:1964],lead(DJCFaprx[168:1964], 1))[1:1796]	datDJCFretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJCFretOUTSAt14))	DJCFESHIt14<-ES(datDJCFretOUTSAt14$rev,DJCFretOUTSAt14, p=0.975, method="historical")
DJCF	15	167	1963	2018-09-15	2018-09-15	DJCFretOUTSAt15<-ln(DJCFaprx[167:1963],lead(DJCFaprx[167:1963], 1))[1:1796]	datDJCFretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJCFretOUTSAt15))	DJCFESHIt15<-ES(datDJCFretOUTSAt15$rev,DJCFretOUTSAt15, p=0.975, method="historical")
DJCF	16	166	1962	2018-09-16	2018-09-16	DJCFretOUTSAt16<-ln(DJCFaprx[166:1962],lead(DJCFaprx[166:1962], 1))[1:1796]	datDJCFretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJCFretOUTSAt16))	DJCFESHIt16<-ES(datDJCFretOUTSAt16$rev,DJCFretOUTSAt16, p=0.975, method="historical")
DJCF	17	165	1961	2018-09-17	2018-09-17	DJCFretOUTSAt17<-ln(DJCFaprx[165:1961],lead(DJCFaprx[165:1961], 1))[1:1796]	datDJCFretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJCFretOUTSAt17))	DJCFESHIt17<-ES(datDJCFretOUTSAt17$rev,DJCFretOUTSAt17, p=0.975, method="historical")
DJCF	18	164	1960	2018-09-18	2018-09-18	DJCFretOUTSAt18<-ln(DJCFaprx[164:1960],lead(DJCFaprx[164:1960], 1))[1:1796]	datDJCFretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJCFretOUTSAt18))	DJCFESHIt18<-ES(datDJCFretOUTSAt18$rev,DJCFretOUTSAt18, p=0.975, method="historical")
DJCF	19	163	1959	2018-09-19	2018-09-19	DJCFretOUTSAt19<-ln(DJCFaprx[163:1959],lead(DJCFaprx[163:1959], 1))[1:1796]	datDJCFretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJCFretOUTSAt19))	DJCFESHIt19<-ES(datDJCFretOUTSAt19$rev,DJCFretOUTSAt19, p=0.975, method="historical")
DJCF	20	162	1958	2018-09-20	2018-09-20	DJCFretOUTSAt20<-ln(DJCFaprx[162:1958],lead(DJCFaprx[162:1958], 1))[1:1796]	datDJCFretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJCFretOUTSAt20))	DJCFESHIt20<-ES(datDJCFretOUTSAt20$rev,DJCFretOUTSAt20, p=0.975, method="historical")
DJCF	21	161	1957	2018-09-21	2018-09-21	DJCFretOUTSAt21<-ln(DJCFaprx[161:1957],lead(DJCFaprx[161:1957], 1))[1:1796]	datDJCFretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJCFretOUTSAt21))	DJCFESHIt21<-ES(datDJCFretOUTSAt21$rev,DJCFretOUTSAt21, p=0.975, method="historical")
DJCF	22	160	1956	2018-09-22	2018-09-22	DJCFretOUTSAt22<-ln(DJCFaprx[160:1956],lead(DJCFaprx[160:1956], 1))[1:1796]	datDJCFretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJCFretOUTSAt22))	DJCFESHIt22<-ES(datDJCFretOUTSAt22$rev,DJCFretOUTSAt22, p=0.975, method="historical")
DJCF	23	159	1955	2018-09-23	2018-09-23	DJCFretOUTSAt23<-ln(DJCFaprx[159:1955],lead(DJCFaprx[159:1955], 1))[1:1796]	datDJCFretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJCFretOUTSAt23))	DJCFESHIt23<-ES(datDJCFretOUTSAt23$rev,DJCFretOUTSAt23, p=0.975, method="historical")
DJCF	24	158	1954	2018-09-24	2018-09-24	DJCFretOUTSAt24<-ln(DJCFaprx[158:1954],lead(DJCFaprx[158:1954], 1))[1:1796]	datDJCFretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJCFretOUTSAt24))	DJCFESHIt24<-ES(datDJCFretOUTSAt24$rev,DJCFretOUTSAt24, p=0.975, method="historical")
DJCF	25	157	1953	2018-09-25	2018-09-25	DJCFretOUTSAt25<-ln(DJCFaprx[157:1953],lead(DJCFaprx[157:1953], 1))[1:1796]	datDJCFretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJCFretOUTSAt25))	DJCFESHIt25<-ES(datDJCFretOUTSAt25$rev,DJCFretOUTSAt25, p=0.975, method="historical")
DJCF	26	156	1952	2018-09-26	2018-09-26	DJCFretOUTSAt26<-ln(DJCFaprx[156:1952],lead(DJCFaprx[156:1952], 1))[1:1796]	datDJCFretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJCFretOUTSAt26))	DJCFESHIt26<-ES(datDJCFretOUTSAt26$rev,DJCFretOUTSAt26, p=0.975, method="historical")
DJCF	27	155	1951	2018-09-27	2018-09-27	DJCFretOUTSAt27<-ln(DJCFaprx[155:1951],lead(DJCFaprx[155:1951], 1))[1:1796]	datDJCFretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJCFretOUTSAt27))	DJCFESHIt27<-ES(datDJCFretOUTSAt27$rev,DJCFretOUTSAt27, p=0.975, method="historical")
DJCF	28	154	1950	2018-09-28	2018-09-28	DJCFretOUTSAt28<-ln(DJCFaprx[154:1950],lead(DJCFaprx[154:1950], 1))[1:1796]	datDJCFretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJCFretOUTSAt28))	DJCFESHIt28<-ES(datDJCFretOUTSAt28$rev,DJCFretOUTSAt28, p=0.975, method="historical")
DJCF	29	153	1949	2018-09-29	2018-09-29	DJCFretOUTSAt29<-ln(DJCFaprx[153:1949],lead(DJCFaprx[153:1949], 1))[1:1796]	datDJCFretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJCFretOUTSAt29))	DJCFESHIt29<-ES(datDJCFretOUTSAt29$rev,DJCFretOUTSAt29, p=0.975, method="historical")
DJCF	30	152	1948	2018-09-30	2018-09-30	DJCFretOUTSAt30<-ln(DJCFaprx[152:1948],lead(DJCFaprx[152:1948], 1))[1:1796]	datDJCFretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJCFretOUTSAt30))	DJCFESHIt30<-ES(datDJCFretOUTSAt30$rev,DJCFretOUTSAt30, p=0.975, method="historical")
DJCF	31	151	1947	2018-10-01	2018-10-01	DJCFretOUTSAt31<-ln(DJCFaprx[151:1947],lead(DJCFaprx[151:1947], 1))[1:1796]	datDJCFretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJCFretOUTSAt31))	DJCFESHIt31<-ES(datDJCFretOUTSAt31$rev,DJCFretOUTSAt31, p=0.975, method="historical")
DJCF	32	150	1946	2018-10-02	2018-10-02	DJCFretOUTSAt32<-ln(DJCFaprx[150:1946],lead(DJCFaprx[150:1946], 1))[1:1796]	datDJCFretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJCFretOUTSAt32))	DJCFESHIt32<-ES(datDJCFretOUTSAt32$rev,DJCFretOUTSAt32, p=0.975, method="historical")
DJCF	33	149	1945	2018-10-03	2018-10-03	DJCFretOUTSAt33<-ln(DJCFaprx[149:1945],lead(DJCFaprx[149:1945], 1))[1:1796]	datDJCFretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJCFretOUTSAt33))	DJCFESHIt33<-ES(datDJCFretOUTSAt33$rev,DJCFretOUTSAt33, p=0.975, method="historical")
DJCF	34	148	1944	2018-10-04	2018-10-04	DJCFretOUTSAt34<-ln(DJCFaprx[148:1944],lead(DJCFaprx[148:1944], 1))[1:1796]	datDJCFretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJCFretOUTSAt34))	DJCFESHIt34<-ES(datDJCFretOUTSAt34$rev,DJCFretOUTSAt34, p=0.975, method="historical")
DJCF	35	147	1943	2018-10-05	2018-10-05	DJCFretOUTSAt35<-ln(DJCFaprx[147:1943],lead(DJCFaprx[147:1943], 1))[1:1796]	datDJCFretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJCFretOUTSAt35))	DJCFESHIt35<-ES(datDJCFretOUTSAt35$rev,DJCFretOUTSAt35, p=0.975, method="historical")
DJCF	36	146	1942	2018-10-06	2018-10-06	DJCFretOUTSAt36<-ln(DJCFaprx[146:1942],lead(DJCFaprx[146:1942], 1))[1:1796]	datDJCFretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJCFretOUTSAt36))	DJCFESHIt36<-ES(datDJCFretOUTSAt36$rev,DJCFretOUTSAt36, p=0.975, method="historical")
DJCF	37	145	1941	2018-10-07	2018-10-07	DJCFretOUTSAt37<-ln(DJCFaprx[145:1941],lead(DJCFaprx[145:1941], 1))[1:1796]	datDJCFretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJCFretOUTSAt37))	DJCFESHIt37<-

DJCF	94	88	1884	2018-12-03	2018-12-03	DJCFretOUTSAt94<-ln(DJCFapnx[88:1884]/lead(DJCFapnx[88:1884], 1))[1:1796]	datDJCFretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJCFretOUTSAt94))	DJCFESHIt94<-ES(datDJCFretOUTSAt94$rev.DJCFretOUTSAt94, p=0.975, method="historical")
DJCF	95	87	1883	2018-12-04	2018-12-04	DJCFretOUTSAt95<-ln(DJCFapnx[87:1883]/lead(DJCFapnx[87:1883], 1))[1:1796]	datDJCFretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJCFretOUTSAt95))	DJCFESHIt95<-ES(datDJCFretOUTSAt95$rev.DJCFretOUTSAt95, p=0.975, method="historical")
DJCF	96	86	1882	2018-12-05	2018-12-05	DJCFretOUTSAt96<-ln(DJCFapnx[86:1882]/lead(DJCFapnx[86:1882], 1))[1:1796]	datDJCFretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJCFretOUTSAt96))	DJCFESHIt96<-ES(datDJCFretOUTSAt96$rev.DJCFretOUTSAt96, p=0.975, method="historical")
DJCF	97	85	1881	2018-12-06	2018-12-06	DJCFretOUTSAt97<-ln(DJCFapnx[85:1881]/lead(DJCFapnx[85:1881], 1))[1:1796]	datDJCFretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJCFretOUTSAt97))	DJCFESHIt97<-ES(datDJCFretOUTSAt97$rev.DJCFretOUTSAt97, p=0.975, method="historical")
DJCF	98	84	1880	2018-12-07	2018-12-07	DJCFretOUTSAt98<-ln(DJCFapnx[84:1880]/lead(DJCFapnx[84:1880], 1))[1:1796]	datDJCFretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJCFretOUTSAt98))	DJCFESHIt98<-ES(datDJCFretOUTSAt98$rev.DJCFretOUTSAt98, p=0.975, method="historical")
DJCF	99	83	1879	2018-12-08	2018-12-08	DJCFretOUTSAt99<-ln(DJCFapnx[83:1879]/lead(DJCFapnx[83:1879], 1))[1:1796]	datDJCFretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJCFretOUTSAt99))	DJCFESHIt99<-ES(datDJCFretOUTSAt99$rev.DJCFretOUTSAt99, p=0.975, method="historical")
DJCF	100	82	1878	2018-12-09	2018-12-09	DJCFretOUTSAt100<-ln(DJCFapnx[82:1878]/lead(DJCFapnx[82:1878], 1))[1:1796]	datDJCFretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJCFretOUTSAt100))	DJCFESHIt100<-ES(datDJCFretOUTSAt100$rev.DJCFretOUTSAt100, p=0.975, method="historical")
DJCF	101	81	1877	2018-12-10	2018-12-10	DJCFretOUTSAt101<-ln(DJCFapnx[81:1877]/lead(DJCFapnx[81:1877], 1))[1:1796]	datDJCFretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJCFretOUTSAt101))	DJCFESHIt101<-ES(datDJCFretOUTSAt101$rev.DJCFretOUTSAt101, p=0.975, method="historical")
DJCF	102	80	1876	2018-12-11	2018-12-11	DJCFretOUTSAt102<-ln(DJCFapnx[80:1876]/lead(DJCFapnx[80:1876], 1))[1:1796]	datDJCFretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJCFretOUTSAt102))	DJCFESHIt102<-ES(datDJCFretOUTSAt102$rev.DJCFretOUTSAt102, p=0.975, method="historical")
DJCF	103	79	1875	2018-12-12	2018-12-12	DJCFretOUTSAt103<-ln(DJCFapnx[79:1875]/lead(DJCFapnx[79:1875], 1))[1:1796]	datDJCFretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJCFretOUTSAt103))	DJCFESHIt103<-ES(datDJCFretOUTSAt103$rev.DJCFretOUTSAt103, p=0.975, method="historical")
DJCF	104	78	1874	2018-12-13	2018-12-13	DJCFretOUTSAt104<-ln(DJCFapnx[78:1874]/lead(DJCFapnx[78:1874], 1))[1:1796]	datDJCFretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJCFretOUTSAt104))	DJCFESHIt104<-ES(datDJCFretOUTSAt104$rev.DJCFretOUTSAt104, p=0.975, method="historical")
DJCF	105	77	1873	2018-12-14	2018-12-14	DJCFretOUTSAt105<-ln(DJCFapnx[77:1873]/lead(DJCFapnx[77:1873], 1))[1:1796]	datDJCFretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJCFretOUTSAt105))	DJCFESHIt105<-ES(datDJCFretOUTSAt105$rev.DJCFretOUTSAt105, p=0.975, method="historical")
DJCF	106	76	1872	2018-12-15	2018-12-15	DJCFretOUTSAt106<-ln(DJCFapnx[76:1872]/lead(DJCFapnx[76:1872], 1))[1:1796]	datDJCFretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJCFretOUTSAt106))	DJCFESHIt106<-ES(datDJCFretOUTSAt106$rev.DJCFretOUTSAt106, p=0.975, method="historical")
DJCF	107	75	1871	2018-12-16	2018-12-16	DJCFretOUTSAt107<-ln(DJCFapnx[75:1871]/lead(DJCFapnx[75:1871], 1))[1:1796]	datDJCFretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJCFretOUTSAt107))	DJCFESHIt107<-ES(datDJCFretOUTSAt107$rev.DJCFretOUTSAt107, p=0.975, method="historical")
DJCF	108	74	1870	2018-12-17	2018-12-17	DJCFretOUTSAt108<-ln(DJCFapnx[74:1870]/lead(DJCFapnx[74:1870], 1))[1:1796]	datDJCFretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJCFretOUTSAt108))	DJCFESHIt108<-ES(datDJCFretOUTSAt108$rev.DJCFretOUTSAt108, p=0.975, method="historical")
DJCF	109	73	1869	2018-12-18	2018-12-18	DJCFretOUTSAt109<-ln(DJCFapnx[73:1869]/lead(DJCFapnx[73:1869], 1))[1:1796]	datDJCFretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJCFretOUTSAt109))	DJCFESHIt109<-ES(datDJCFretOUTSAt109$rev.DJCFretOUTSAt109, p=0.975, method="historical")
DJCF	110	72	1868	2018-12-19	2018-12-19	DJCFretOUTSAt110<-ln(DJCFapnx[72:1868]/lead(DJCFapnx[72:1868], 1))[1:1796]	datDJCFretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJCFretOUTSAt110))	DJCFESHIt110<-ES(datDJCFretOUTSAt110$rev.DJCFretOUTSAt110, p=0.975, method="historical")
DJCF	111	71	1867	2018-12-20	2018-12-20	DJCFretOUTSAt111<-ln(DJCFapnx[71:1867]/lead(DJCFapnx[71:1867], 1))[1:1796]	datDJCFretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJCFretOUTSAt111))	DJCFESHIt111<-ES(datDJCFretOUTSAt111$rev.DJCFretOUTSAt111, p=0.975, method="historical")
DJCF	112	70	1866	2018-12-21	2018-12-21	DJCFretOUTSAt112<-ln(DJCFapnx[70:1866]/lead(DJCFapnx[70:1866], 1))[1:1796]	datDJCFretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJCFretOUTSAt112))	DJCFESHIt112<-ES(datDJCFretOUTSAt112$rev.DJCFretOUTSAt112, p=0.975, method="historical")
DJCF	113	69	1865	2018-12-22	2018-12-22	DJCFretOUTSAt113<-ln(DJCFapnx[69:1865]/lead(DJCFapnx[69:1865], 1))[1:1796]	datDJCFretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJCFretOUTSAt113))	DJCFESHIt113<-ES(datDJCFretOUTSAt113$rev.DJCFretOUTSAt113, p=0.975, method="historical")
DJCF	114	68	1864	2018-12-23	2018-12-23	DJCFretOUTSAt114<-ln(DJCFapnx[68:1864]/lead(DJCFapnx[68:1864], 1))[1:1796]	datDJCFretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJCFretOUTSAt114))	DJCFESHIt114<-ES(datDJCFretOUTSAt114$rev.DJCFretOUTSAt114, p=0.975, method="historical")
DJCF	115	67	1863	2018-12-24	2018-12-24	DJCFretOUTSAt115<-ln(DJCFapnx[67:1863]/lead(DJCFapnx[67:1863], 1))[1:1796]	datDJCFretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJCFretOUTSAt115))	DJCFESHIt115<-ES(datDJCFretOUTSAt115$rev.DJCFretOUTSAt115, p=0.975, method="historical")
DJCF	116	66	1862	2018-12-25	2018-12-25	DJCFretOUTSAt116<-ln(DJCFapnx[66:1862]/lead(DJCFapnx[66:1862], 1))[1:1796]	datDJCFretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJCFretOUTSAt116))	DJCFESHIt116<-ES(datDJCFretOUTSAt116$rev.DJCFretOUTSAt116, p=0.975, method="historical")
DJCF	117	65	1861	2018-12-26	2018-12-26	DJCFretOUTSAt117<-ln(DJCFapnx[65:1861]/lead(DJCFapnx[65:1861], 1))[1:1796]	datDJCFretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJCFretOUTSAt117))	DJCFESHIt117<-ES(datDJCFretOUTSAt117$rev.DJCFretOUTSAt117, p=0.975, method="historical")
DJCF	118	64	1860	2018-12-27	2018-12-27	DJCFretOUTSAt118<-ln(DJCFapnx[64:1860]/lead(DJCFapnx[64:1860], 1))[1:1796]	datDJCFretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJCFretOUTSAt118))	DJCFESHIt118<-ES(datDJCFretOUTSAt118$rev.DJCFretOUTSAt118, p=0.975, method="historical")
DJCF	119	63	1859	2018-12-28	2018-12-28	DJCFretOUTSAt119<-ln(DJCFapnx[63:1859]/lead(DJCFapnx[63:1859], 1))[1:1796]	datDJCFretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJCFretOUTSAt119))	DJCFESHIt119<-ES(datDJCFretOUTSAt119$rev.DJCFretOUTSAt119, p=0.975, method="historical")
DJCF	120	62	1858	2018-12-29	2018-12-29	DJCFretOUTSAt120<-ln(DJCFapnx[62:1858]/lead(DJCFapnx[62:1858], 1))[1:1796]	datDJCFretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJCFretOUTSAt120))	DJCFESHIt120<-ES(datDJCFretOUTSAt120$rev.DJCFretOUTSAt120, p=0.975, method="historical")
DJCF	121	61	1857	2018-12-30	2018-12-30	DJCFretOUTSAt121<-ln(DJCFapnx[61:1857]/lead(DJCFapnx[61:1857], 1))[1:1796]	datDJCFretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJCFretOUTSAt121))	DJCFESHIt121<-ES(datDJCFretOUTSAt121$rev.DJCFretOUTSAt121, p=0.975, method="historical")
DJCF	122	60	1856	2018-12-31	2018-12-31	DJCFretOUTSAt122<-ln(DJCFapnx[60:1856]/lead(DJCFapnx[60:1856], 1))[1:1796]	datDJCFretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJCFretOUTSAt122))	DJCFESHIt122<-ES(datDJCFretOUTSAt122$rev.DJCFretOUTSAt122, p=0.975, method="historical")
DJCF	123	59	1855	2019-01-01	2019-01-01	DJCFretOUTSAt123<-ln(DJCFapnx[59:1855]/lead(DJCFapnx[59:1855], 1))[1:1796]	datDJCFretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJCFretOUTSAt123))	DJCFESHIt123<-ES(datDJCFretOUTSAt123$rev.DJCFretOUTSAt123, p=0.975, method="historical")
DJCF	124	58	1854	2019-01-02	2019-01-02	DJCFretOUTSAt124<-ln(DJCFapnx[58:1854]/lead(DJCFapnx[58:1854], 1))[1:1796]	datDJCFretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJCFretOUTSAt124))	DJCFESHIt124<-ES(datDJCFretOUTSAt124$rev.DJCFretOUTSAt124, p=0.975, method="historical")
DJCF	125	57	1853	2019-01-03	2019-01-03	DJCFretOUTSAt125<-ln(DJCFapnx[57:1853]/lead(DJCFapnx[57:1853], 1))[1:1796]	datDJCFretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJCFretOUTSAt125))	DJCFESHIt125<-ES(datDJCFretOUTSAt125$rev.DJCFretOUTSAt125, p=0.975, method="historical")
DJCF	126	56	1852	2019-01-04	2019-01-04	DJCFretOUTSAt126<-ln(DJCFapnx[56:1852]/lead(DJCFapnx[56:1852], 1))[1:1796]	datDJCFretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJCFretOUTSAt126))	DJCFESHIt126<-ES(datDJCFretOUTSAt126$rev.DJCFretOUTSAt126, p=0.975, method="historical")
DJCF	127	55	1851	2019-01-05	2019-01-05	DJCFretOUTSAt127<-ln(DJCFapnx[55:1851]/lead(DJCFapnx[55:1851], 1))[1:1796]	datDJCFretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJCFretOUTSAt127))	DJCFESHIt127<-ES(datDJCFretOUTSAt127$rev.DJCFretOUTSAt127, p=0.975, method="historical")
DJCF	128	54	1850	2019-01-06	2019-01-06	DJCFretOUTSAt128<-ln(DJCFapnx[54:1850]/lead(DJCFapnx[54:1850], 1))[1:1796]	datDJCFretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJCFretOUTSAt128))	DJCFESHIt128<-ES(datDJCFretOUTSAt128$rev.DJCFretOUTSAt128, p=0.975, method="historical")
DJCF	129	53	1849	2019-01-07	2019-01-07	DJCFretOUTSAt129<-ln(DJCFapnx[53:1849]/lead(DJCFapnx[53:1849], 1))[1:1796]	datDJCFretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJCFretOUTSAt129))	DJCFESHIt129<-ES(datDJCFretOUTSAt129$rev.DJCFretOUTSAt129, p=0.975, method="historical")
DJCF	130	52	1848	2019-01-08	2019-01-08	DJCFretOUTSAt130<-ln(DJCFapnx[52:1848]/lead(DJCFapnx[52:1848], 1))[1:1796]	datDJCFretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJCFretOUTSAt130))	DJCFESHIt130<-ES(datDJCFretOUTSAt130$rev.DJCFretOUTSAt130, p=0.975, method="historical")
DJCF	131	51	1847	2019-01-09	2019-01-09	DJCFretOUTSAt131<-ln(DJCFapnx[51:1847]/lead(DJCFapnx[51:1847], 1))[1:1796]	datDJCFretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJCFretOUTSAt131))	DJCFESHIt131<-ES(datDJCFretOUTSAt131$rev.DJCFretOUTSAt131, p=0.975, method="historical")
DJCF	132	50	1846	2019-01-10	2019-01-10	DJCFretOUTSAt132<-ln(DJCFapnx[50:1846]/lead(DJCFapnx[50:1846], 1))[1:1796]	datDJCFretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJCFretOUTSAt132))	DJCFESHIt132<-ES(datDJCFretOUTSAt132$rev.DJCFretOUTSAt132, p=0.975, method="historical")
DJCF	133	49	1845	2019-01-11	2019-01-11	DJCFretOUTSAt133<-ln(DJCFapnx[49:1845]/lead(DJCFapnx[49:1845], 1))[1:1796]	datDJCFretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJCFretOUTSAt133))	DJCFESHIt133<-ES(datDJCFretOUTSAt133$rev.DJCFretOUTSAt133, p=0.975, method="historical")
DJCF	134	48	1844	2019-01-12	2019-01-12	DJCFretOUTSAt134<-ln(DJCFapnx[48:1844]/lead(DJCFapnx[48:1844], 1))[1:1796]	datDJCFretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJCFretOUTSAt134))	DJCFESHIt134<-ES(datDJCFretOUTSAt134$rev.DJCFretOUTSAt134, p=0.975, method="historical")
DJCF	135	47	1843	2019-01-13	2019-01-13	DJCFretOUTSAt135<-ln(DJCFapnx[47:1843]/lead(DJCFapnx[47:1843], 1))[1:1796]	datDJCFretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJCFretOUTSAt135))	DJCFESHIt135<-ES(datDJCFretOUTSAt135$rev.DJCFretOUTSAt135, p=0.975, method="historical")
DJCF	136	46	1842	2019-01-14	2019-01-14	DJCFretOUTSAt136<-ln(DJCFapnx[46:1842]/lead(DJCFapnx[46:1842], 1))[1:1796]	datDJCFretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJCFretOUTSAt136))	DJCFESHIt136<-ES(datDJCFretOUTSAt136$rev.DJCFretOUTSAt136, p=0.975, method="historical")
DJCF	137	45	1841	2019-01-15	2019-01-15	DJCFretOUTSAt137<-ln(DJCFapnx[45:1841]/lead(DJCFapnx[45:1841], 1))[1:1796]	datDJCFretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJCFretOUTSAt137))	DJCFESHIt137<-ES(datDJCFretOUTSAt137$rev.DJCFretOUTSAt137, p=0.975, method="historical")
DJCF	138	44	1840	2019-01-16	2019-01-16	DJCFretOUTSAt138<-ln(DJCFapnx[44:1840]/lead(DJCFapnx[44:1840], 1))[1:1796]	datDJCFretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJCFretOUTSAt138))	DJCFESHIt138<-ES(datDJCFretOUTSAt138$rev.DJCFretOUTSAt138, p=0.975, method="historical")
DJCF	139	43	1839	2019-01-17	2019-01-17	DJCFretOUTSAt139<-ln(DJCFapnx[43:1839]/lead(DJCFapnx[43:1839], 1))[1:1796]	datDJCFretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJCFretOUTSAt139))	DJCFESHIt139<-ES(datDJCFretOUTSAt139$rev.DJCFretOUTSAt139, p=0.975, method="historical")
DJCF	140	42	1838	2019-01-18	2019-01-18	DJCFretOUTSAt140<-ln(DJCFapnx[42:1838]/lead(DJCFapnx[42:1838], 1))[1:1796]	datDJCFretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJCFretOUTSAt140))	DJCFESHIt140<-ES(datDJCFretOUTSAt140$rev.DJCFretOUTSAt140, p=0.975, method="historical")
DJCF	141	41	1837	2019-01-19	2019-01-19	DJCFretOUTSAt141<-ln(DJCFapnx[41:1837]/lead(DJCFapnx[41:1837], 1))[1:1796]	datDJCFretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJCFretOUTSAt141))	DJCFESHIt141<-ES(datDJCFretOUTSAt141$rev.DJCFretOUTSAt141, p=0.975, method="historical")
DJCF	142	40	1836	2019-01-20	2019-01-20	DJCFretOUTSAt142<-ln(DJCFapnx[40:1836]/lead(DJCFapnx[40:1836], 1))[1:1796]	datDJCFretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJCFretOUTSAt142))	DJCFESHIt142<-ES(datDJCFretOUTSAt142$rev.DJCFretOUTSAt142, p=0.975, method="historical")
DJCF	143	39	1835	2019-01-21	2019-01-21	DJCFretOUTSAt143<-ln(DJCFapnx[39:1835]/lead(DJCFapnx[39:1835], 1))[1:1796]	datDJCFretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJCFretOUTSAt143))	DJCFESHIt143<-ES(datDJCFretOUTSAt143$rev.DJCFretOUTSAt143, p=0.975, method="historical")
DJCF	144	38	1834	2019-01-22	2019-01-22	DJCFretOUTSAt144<-ln(DJCFapnx[38:1834]/lead(DJCFapnx[38:1834], 1))[1:1796]	datDJCFretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJCFretOUTSAt144))	DJCFESHIt144<-ES(datDJCFretOUTSAt144$rev.DJCFretOUTSAt144, p=0.975, method="historical")
DJCF	145	37	1833	2019-01-23	2019-01-23	DJCFretOUTSAt145<-ln(DJCFapnx[37:1833]/lead(DJCFapnx[37:1833], 1))[1:1796]	datDJCFretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJCFretOUTSAt145))	DJCFESHIt145<-ES(datDJCFretOUTSAt145$rev.DJCFretOUTSAt145, p=0.975, method="historical")
DJCF	146	36	1832	2019-01-24	2019-01-24	DJCFretOUTSAt146<-ln(DJCFapnx[36:1832]/lead(DJCFapnx[36:1832], 1))[1:1796]	datDJCFretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJCFretOUTSAt146))	DJCFESHIt146<-ES(datDJCFretOUTSAt146$rev.DJCFretOUTSAt146, p=0.975, method="historical")
DJCF	147	35	1831	2019-01-25	2019-01-25	DJCFretOUTSAt147<-ln(DJCFapnx[35:1831]/lead(DJCFapnx[35:1831], 1))[1:1796]	datDJCFretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJCFretOUTSAt147))	DJCFESHIt147<-ES(datDJCFretOUTSAt147$rev.DJCFretOUTSAt147, p=0.975, method="historical")
DJCF	148	34	1830	2019-01-26	2019-01-26	DJCFretOUTSAt148<-ln(DJCFapnx[34:1830]/lead(DJCFapnx[34:1830], 1))[1:1796]	datDJCFretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJCFretOUTSAt148))	DJCFESHIt148<-ES(datDJCFretOUTSAt148$rev.DJCFretOUTSAt148, p=0.975, method="historical")
DJCF	149	33	1829	2019-01-27	2019-01-27	DJCFretOUTSAt149<-ln(DJCFapnx[33:1829]/lead(DJCFapnx[33:1829], 1))[1:1796]	datDJCFretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJCFretOUTSAt149))	DJCFESHIt149<-ES(datDJCFretOUTSAt149$rev.DJCFretOUTSAt149, p=0.975, method="historical")
DJCF	150	32	1828	2019-01-28	2019-01-28	DJCFretOUTSAt150<-ln(DJCFapnx[32:1828]/lead(DJCFapnx[32:1828], 1))[1:1796]	datDJCFretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJCFretOUTSAt150))	DJCFESHIt150<-ES(datDJCFretOUTSAt150$rev.DJCFretOUTSAt150, p=0.975, method="historical")
DJCF	151	31	1827	2019-01-29	2019-01-29	DJCFretOUTSAt151<-ln(DJCFapnx[31:1827]/lead(DJCFapnx[31:1827], 1))[1:1796]	datDJCFretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJCFretOUTSAt151))	DJCFESHIt151<-ES(datDJCFretOUTSAt151$rev.DJCFretOUTSAt151, p=0.975, method="historical")
DJCF	152	30	1826	2019-01-30	2019-01-30	DJCFretOUTSAt152<-ln(DJCFapnx[30:1826]/lead(DJCFapnx[30:1826], 1))[1:1796]	datDJCFretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJCFretOUTSAt152))	DJCFESHIt152<-ES(datDJCFretOUTSAt152$rev.DJCFretOUTSAt152, p=0.975, method="historical")
DJCF	153	29	1825	2019-01-31	2019-01-31	DJCFretOUTSAt153<-ln(DJCFapnx[29:1825]/lead(DJCFapnx[29:1825], 1))[1:1796]	datDJCFretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJCFretOUTSAt153))	DJCFESHIt153<-ES(datDJCFretOUTSAt153$rev.DJCFretOUTSAt153, p=0.975, method="historical")
DJCF	154	28	1824	2019-02-01	2019-02-01	DJCFretOUTSAt154<-ln(DJCFapnx[28:1824]/lead(DJCFapnx[28:1824], 1))[1:1796]	datDJCFretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJCFretOUTSAt154))	DJCFESHIt154<-ES(datDJCFretOUTSAt154$rev.DJCFretOUTSAt154, p=0.975, method="historical")
DJCF	155	27	1823	2019-02-02	2019-02-02	DJCFretOUTSAt155<-ln(DJCFapnx[27:1823]/lead(DJCFapnx[27:1823], 1))[1:1796]	datDJCFretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJCFretOUTSAt155))	DJCFESHIt155<-ES(datDJCFretOUTSAt155$rev.DJCFretOUTSAt155, p=0.975, method="historical")
DJCF	156	26	1822	2019-02-03	2019-02-03	DJCFretOUTSAt156<-ln(DJCFapnx[26:1822]/lead(DJCFapnx[26:1822], 1))[1:1796]	datDJCFretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJCFretOUTSAt156))	DJCFESHIt156<-ES(datDJCFretOUTSAt156$rev.DJCFretOUTSAt156, p=0.975, method="historical")
DJCF	157	25	1821	2019-02-04	2019-02-04	DJCFretOUTSAt157<-ln(DJCFapnx[25:1821]/lead(DJCFapnx[25:1821], 1))[1:1796]	datDJCFretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJCFretOUTSAt157))	DJCFESHIt157<-ES(datDJCFretOUTSAt157$rev.DJCFretOUTSAt157, p=0.975, method="historical")
DJCF	158	24	1820	2019-02-05	2019-02-05	DJCFretOUTSAt158<-ln(DJCFapnx[24:1820]/lead(DJCFapnx[24:1820], 1))[1:1796]	datDJCFretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJCFretOUTSAt158))	DJCFESHIt158<-ES(datDJCFretOUTSAt158$rev.DJCFretOUTSAt158, p=0.975, method="historical")
DJCF	159	23	1819	2019-02-06	2019-02-06	DJCFretOUTSAt159<-ln(DJCFapnx[23:1819]/lead(DJCFapnx[23:1819], 1))[1:1796]	datDJCFretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJCFretOUTSAt159))	DJCFESHIt159<-ES(datDJCFretOUTSAt159$rev.DJCFretOUTSAt159, p=0.975, method="historical")
DJCF	160	22	1818	2019-02-07	2019-02-07	DJCFretOUTSAt160<-ln(DJCFapnx[22:1818]/lead(DJCFapnx[22:1818], 1))[1:1796]	datDJCFretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJCFretOUTSAt160))	DJCFESHIt160<-ES(datDJCFretOUTSAt160$rev.DJCFretOUTSAt160, p=0.975, method="historical")
DJCF	161	21	1817	2019-02-08	2019-02-08	DJCFretOUTSAt161<-ln(DJCFapnx[21:1817]/lead(DJCFapnx[21:1817], 1))[1:1796]	datDJCFretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJCFretOUTSAt161))	DJCFESHIt161<-ES(datDJCFretOUTSAt161$rev.DJCFretOUTSAt161, p=0.975, method="historical")
DJCF	162	20	1816	2019-02-09	2019-02-09	DJCFretOUTSAt162<-ln(DJCFapnx[20:1816]/lead(DJCFapnx[20:1816], 1))[1:1796]	datDJCFretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJCFretOUTSAt162))	DJCFESHIt162<-ES(datDJCFretOUTSAt162$rev.DJCFretOUTSAt162, p=0.975, method="historical")
DJCF	163	19	1815	2019-02-10	2019-02-10	DJCFretOUTSAt163<-ln(DJCFapnx[19:1815]/lead(DJCFapnx[19:1815], 1))[1:1796]	datDJCFretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJCFretOUTSAt163))	DJCFESHIt163<-ES(datDJCFretOUTSAt163$rev.DJCFretOUTSAt163, p=0.975, method="historical")
DJCF	164	18	1814	2019-02-11	2019-02-11	DJCFretOUTSAt164<-ln(DJCFapnx[18:1814]/lead(DJCFapnx[18:1814], 1))[1:1796]	datDJCFretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019

DJCF	40	142	1938	2018-10-10	2018-10-10	DJCFretOUTSAt40<-ln(DJCFaprx[142:1938]/lead(DJCFaprx[142:1938], 1))[1:1796]	datDJCFretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJCFretOUTSAt40))	DJCFESHIt40<-ES(datDJCFretOUTSAt40$rev.DJCFretOUTSAt40, p=0.975, method="historical")
DJCF	41	141	1937	2018-10-11	2018-10-11	DJCFretOUTSAt41<-ln(DJCFaprx[141:1937]/lead(DJCFaprx[141:1937], 1))[1:1796]	datDJCFretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJCFretOUTSAt41))	DJCFESHIt41<-ES(datDJCFretOUTSAt41$rev.DJCFretOUTSAt41, p=0.975, method="historical")
DJCF	42	140	1936	2018-10-12	2018-10-12	DJCFretOUTSAt42<-ln(DJCFaprx[140:1936]/lead(DJCFaprx[140:1936], 1))[1:1796]	datDJCFretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJCFretOUTSAt42))	DJCFESHIt42<-ES(datDJCFretOUTSAt42$rev.DJCFretOUTSAt42, p=0.975, method="historical")
DJCF	43	139	1935	2018-10-13	2018-10-13	DJCFretOUTSAt43<-ln(DJCFaprx[139:1935]/lead(DJCFaprx[139:1935], 1))[1:1796]	datDJCFretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJCFretOUTSAt43))	DJCFESHIt43<-ES(datDJCFretOUTSAt43$rev.DJCFretOUTSAt43, p=0.975, method="historical")
DJCF	44	138	1934	2018-10-14	2018-10-14	DJCFretOUTSAt44<-ln(DJCFaprx[138:1934]/lead(DJCFaprx[138:1934], 1))[1:1796]	datDJCFretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJCFretOUTSAt44))	DJCFESHIt44<-ES(datDJCFretOUTSAt44$rev.DJCFretOUTSAt44, p=0.975, method="historical")
DJCF	45	137	1933	2018-10-15	2018-10-15	DJCFretOUTSAt45<-ln(DJCFaprx[137:1933]/lead(DJCFaprx[137:1933], 1))[1:1796]	datDJCFretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJCFretOUTSAt45))	DJCFESHIt45<-ES(datDJCFretOUTSAt45$rev.DJCFretOUTSAt45, p=0.975, method="historical")
DJCF	46	136	1932	2018-10-16	2018-10-16	DJCFretOUTSAt46<-ln(DJCFaprx[136:1932]/lead(DJCFaprx[136:1932], 1))[1:1796]	datDJCFretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJCFretOUTSAt46))	DJCFESHIt46<-ES(datDJCFretOUTSAt46$rev.DJCFretOUTSAt46, p=0.975, method="historical")
DJCF	47	135	1931	2018-10-17	2018-10-17	DJCFretOUTSAt47<-ln(DJCFaprx[135:1931]/lead(DJCFaprx[135:1931], 1))[1:1796]	datDJCFretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJCFretOUTSAt47))	DJCFESHIt47<-ES(datDJCFretOUTSAt47$rev.DJCFretOUTSAt47, p=0.975, method="historical")
DJCF	48	134	1930	2018-10-18	2018-10-18	DJCFretOUTSAt48<-ln(DJCFaprx[134:1930]/lead(DJCFaprx[134:1930], 1))[1:1796]	datDJCFretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJCFretOUTSAt48))	DJCFESHIt48<-ES(datDJCFretOUTSAt48$rev.DJCFretOUTSAt48, p=0.975, method="historical")
DJCF	49	133	1929	2018-10-19	2018-10-19	DJCFretOUTSAt49<-ln(DJCFaprx[133:1929]/lead(DJCFaprx[133:1929], 1))[1:1796]	datDJCFretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJCFretOUTSAt49))	DJCFESHIt49<-ES(datDJCFretOUTSAt49$rev.DJCFretOUTSAt49, p=0.975, method="historical")
DJCF	50	132	1928	2018-10-20	2018-10-20	DJCFretOUTSAt50<-ln(DJCFaprx[132:1928]/lead(DJCFaprx[132:1928], 1))[1:1796]	datDJCFretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJCFretOUTSAt50))	DJCFESHIt50<-ES(datDJCFretOUTSAt50$rev.DJCFretOUTSAt50, p=0.975, method="historical")
DJCF	51	131	1927	2018-10-21	2018-10-21	DJCFretOUTSAt51<-ln(DJCFaprx[131:1927]/lead(DJCFaprx[131:1927], 1))[1:1796]	datDJCFretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJCFretOUTSAt51))	DJCFESHIt51<-ES(datDJCFretOUTSAt51$rev.DJCFretOUTSAt51, p=0.975, method="historical")
DJCF	52	130	1926	2018-10-22	2018-10-22	DJCFretOUTSAt52<-ln(DJCFaprx[130:1926]/lead(DJCFaprx[130:1926], 1))[1:1796]	datDJCFretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJCFretOUTSAt52))	DJCFESHIt52<-ES(datDJCFretOUTSAt52$rev.DJCFretOUTSAt52, p=0.975, method="historical")
DJCF	53	129	1925	2018-10-23	2018-10-23	DJCFretOUTSAt53<-ln(DJCFaprx[129:1925]/lead(DJCFaprx[129:1925], 1))[1:1796]	datDJCFretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJCFretOUTSAt53))	DJCFESHIt53<-ES(datDJCFretOUTSAt53$rev.DJCFretOUTSAt53, p=0.975, method="historical")
DJCF	54	128	1924	2018-10-24	2018-10-24	DJCFretOUTSAt54<-ln(DJCFaprx[128:1924]/lead(DJCFaprx[128:1924], 1))[1:1796]	datDJCFretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJCFretOUTSAt54))	DJCFESHIt54<-ES(datDJCFretOUTSAt54$rev.DJCFretOUTSAt54, p=0.975, method="historical")
DJCF	55	127	1923	2018-10-25	2018-10-25	DJCFretOUTSAt55<-ln(DJCFaprx[127:1923]/lead(DJCFaprx[127:1923], 1))[1:1796]	datDJCFretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJCFretOUTSAt55))	DJCFESHIt55<-ES(datDJCFretOUTSAt55$rev.DJCFretOUTSAt55, p=0.975, method="historical")
DJCF	56	126	1922	2018-10-26	2018-10-26	DJCFretOUTSAt56<-ln(DJCFaprx[126:1922]/lead(DJCFaprx[126:1922], 1))[1:1796]	datDJCFretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJCFretOUTSAt56))	DJCFESHIt56<-ES(datDJCFretOUTSAt56$rev.DJCFretOUTSAt56, p=0.975, method="historical")
DJCF	57	125	1921	2018-10-27	2018-10-27	DJCFretOUTSAt57<-ln(DJCFaprx[125:1921]/lead(DJCFaprx[125:1921], 1))[1:1796]	datDJCFretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJCFretOUTSAt57))	DJCFESHIt57<-ES(datDJCFretOUTSAt57$rev.DJCFretOUTSAt57, p=0.975, method="historical")
DJCF	58	124	1920	2018-10-28	2018-10-28	DJCFretOUTSAt58<-ln(DJCFaprx[124:1920]/lead(DJCFaprx[124:1920], 1))[1:1796]	datDJCFretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(DJCFretOUTSAt58))	DJCFESHIt58<-ES(datDJCFretOUTSAt58$rev.DJCFretOUTSAt58, p=0.975, method="historical")
DJCF	59	123	1919	2018-10-29	2018-10-29	DJCFretOUTSAt59<-ln(DJCFaprx[123:1919]/lead(DJCFaprx[123:1919], 1))[1:1796]	datDJCFretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(DJCFretOUTSAt59))	DJCFESHIt59<-ES(datDJCFretOUTSAt59$rev.DJCFretOUTSAt59, p=0.975, method="historical")
DJCF	60	122	1918	2018-10-30	2018-10-30	DJCFretOUTSAt60<-ln(DJCFaprx[122:1918]/lead(DJCFaprx[122:1918], 1))[1:1796]	datDJCFretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(DJCFretOUTSAt60))	DJCFESHIt60<-ES(datDJCFretOUTSAt60$rev.DJCFretOUTSAt60, p=0.975, method="historical")
DJCF	61	121	1917	2018-10-31	2018-10-31	DJCFretOUTSAt61<-ln(DJCFaprx[121:1917]/lead(DJCFaprx[121:1917], 1))[1:1796]	datDJCFretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJCFretOUTSAt61))	DJCFESHIt61<-ES(datDJCFretOUTSAt61$rev.DJCFretOUTSAt61, p=0.975, method="historical")
DJCF	62	120	1916	2018-11-01	2018-11-01	DJCFretOUTSAt62<-ln(DJCFaprx[120:1916]/lead(DJCFaprx[120:1916], 1))[1:1796]	datDJCFretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJCFretOUTSAt62))	DJCFESHIt62<-ES(datDJCFretOUTSAt62$rev.DJCFretOUTSAt62, p=0.975, method="historical")
DJCF	63	119	1915	2018-11-02	2018-11-02	DJCFretOUTSAt63<-ln(DJCFaprx[119:1915]/lead(DJCFaprx[119:1915], 1))[1:1796]	datDJCFretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJCFretOUTSAt63))	DJCFESHIt63<-ES(datDJCFretOUTSAt63$rev.DJCFretOUTSAt63, p=0.975, method="historical")
DJCF	64	118	1914	2018-11-03	2018-11-03	DJCFretOUTSAt64<-ln(DJCFaprx[118:1914]/lead(DJCFaprx[118:1914], 1))[1:1796]	datDJCFretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJCFretOUTSAt64))	DJCFESHIt64<-ES(datDJCFretOUTSAt64$rev.DJCFretOUTSAt64, p=0.975, method="historical")
DJCF	65	117	1913	2018-11-04	2018-11-04	DJCFretOUTSAt65<-ln(DJCFaprx[117:1913]/lead(DJCFaprx[117:1913], 1))[1:1796]	datDJCFretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJCFretOUTSAt65))	DJCFESHIt65<-ES(datDJCFretOUTSAt65$rev.DJCFretOUTSAt65, p=0.975, method="historical")
DJCF	66	116	1912	2018-11-05	2018-11-05	DJCFretOUTSAt66<-ln(DJCFaprx[116:1912]/lead(DJCFaprx[116:1912], 1))[1:1796]	datDJCFretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJCFretOUTSAt66))	DJCFESHIt66<-ES(datDJCFretOUTSAt66$rev.DJCFretOUTSAt66, p=0.975, method="historical")
DJCF	67	115	1911	2018-11-06	2018-11-06	DJCFretOUTSAt67<-ln(DJCFaprx[115:1911]/lead(DJCFaprx[115:1911], 1))[1:1796]	datDJCFretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJCFretOUTSAt67))	DJCFESHIt67<-ES(datDJCFretOUTSAt67$rev.DJCFretOUTSAt67, p=0.975, method="historical")
DJCF	68	114	1910	2018-11-07	2018-11-07	DJCFretOUTSAt68<-ln(DJCFaprx[114:1910]/lead(DJCFaprx[114:1910], 1))[1:1796]	datDJCFretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJCFretOUTSAt68))	DJCFESHIt68<-ES(datDJCFretOUTSAt68$rev.DJCFretOUTSAt68, p=0.975, method="historical")
DJCF	69	113	1909	2018-11-08	2018-11-08	DJCFretOUTSAt69<-ln(DJCFaprx[113:1909]/lead(DJCFaprx[113:1909], 1))[1:1796]	datDJCFretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJCFretOUTSAt69))	DJCFESHIt69<-ES(datDJCFretOUTSAt69$rev.DJCFretOUTSAt69, p=0.975, method="historical")
DJCF	70	112	1908	2018-11-09	2018-11-09	DJCFretOUTSAt70<-ln(DJCFaprx[112:1908]/lead(DJCFaprx[112:1908], 1))[1:1796]	datDJCFretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJCFretOUTSAt70))	DJCFESHIt70<-ES(datDJCFretOUTSAt70$rev.DJCFretOUTSAt70, p=0.975, method="historical")
DJCF	71	111	1907	2018-11-10	2018-11-10	DJCFretOUTSAt71<-ln(DJCFaprx[111:1907]/lead(DJCFaprx[111:1907], 1))[1:1796]	datDJCFretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJCFretOUTSAt71))	DJCFESHIt71<-ES(datDJCFretOUTSAt71$rev.DJCFretOUTSAt71, p=0.975, method="historical")
DJCF	72	110	1906	2018-11-11	2018-11-11	DJCFretOUTSAt72<-ln(DJCFaprx[110:1906]/lead(DJCFaprx[110:1906], 1))[1:1796]	datDJCFretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJCFretOUTSAt72))	DJCFESHIt72<-ES(datDJCFretOUTSAt72$rev.DJCFretOUTSAt72, p=0.975, method="historical")
DJCF	73	109	1905	2018-11-12	2018-11-12	DJCFretOUTSAt73<-ln(DJCFaprx[109:1905]/lead(DJCFaprx[109:1905], 1))[1:1796]	datDJCFretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJCFretOUTSAt73))	DJCFESHIt73<-ES(datDJCFretOUTSAt73$rev.DJCFretOUTSAt73, p=0.975, method="historical")
DJCF	74	108	1904	2018-11-13	2018-11-13	DJCFretOUTSAt74<-ln(DJCFaprx[108:1904]/lead(DJCFaprx[108:1904], 1))[1:1796]	datDJCFretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJCFretOUTSAt74))	DJCFESHIt74<-ES(datDJCFretOUTSAt74$rev.DJCFretOUTSAt74, p=0.975, method="historical")
DJCF	75	107	1903	2018-11-14	2018-11-14	DJCFretOUTSAt75<-ln(DJCFaprx[107:1903]/lead(DJCFaprx[107:1903], 1))[1:1796]	datDJCFretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJCFretOUTSAt75))	DJCFESHIt75<-ES(datDJCFretOUTSAt75$rev.DJCFretOUTSAt75, p=0.975, method="historical")
DJCF	76	106	1902	2018-11-15	2018-11-15	DJCFretOUTSAt76<-ln(DJCFaprx[106:1902]/lead(DJCFaprx[106:1902], 1))[1:1796]	datDJCFretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJCFretOUTSAt76))	DJCFESHIt76<-ES(datDJCFretOUTSAt76$rev.DJCFretOUTSAt76, p=0.975, method="historical")
DJCF	77	105	1901	2018-11-16	2018-11-16	DJCFretOUTSAt77<-ln(DJCFaprx[105:1901]/lead(DJCFaprx[105:1901], 1))[1:1796]	datDJCFretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJCFretOUTSAt77))	DJCFESHIt77<-ES(datDJCFretOUTSAt77$rev.DJCFretOUTSAt77, p=0.975, method="historical")
DJCF	78	104	1900	2018-11-17	2018-11-17	DJCFretOUTSAt78<-ln(DJCFaprx[104:1900]/lead(DJCFaprx[104:1900], 1))[1:1796]	datDJCFretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJCFretOUTSAt78))	DJCFESHIt78<-ES(datDJCFretOUTSAt78$rev.DJCFretOUTSAt78, p=0.975, method="historical")
DJCF	79	103	1899	2018-11-18	2018-11-18	DJCFretOUTSAt79<-ln(DJCFaprx[103:1899]/lead(DJCFaprx[103:1899], 1))[1:1796]	datDJCFretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJCFretOUTSAt79))	DJCFESHIt79<-ES(datDJCFretOUTSAt79$rev.DJCFretOUTSAt79, p=0.975, method="historical")
DJCF	80	102	1898	2018-11-19	2018-11-19	DJCFretOUTSAt80<-ln(DJCFaprx[102:1898]/lead(DJCFaprx[102:1898], 1))[1:1796]	datDJCFretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJCFretOUTSAt80))	DJCFESHIt80<-ES(datDJCFretOUTSAt80$rev.DJCFretOUTSAt80, p=0.975, method="historical")
DJCF	81	101	1897	2018-11-20	2018-11-20	DJCFretOUTSAt81<-ln(DJCFaprx[101:1897]/lead(DJCFaprx[101:1897], 1))[1:1796]	datDJCFretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJCFretOUTSAt81))	DJCFESHIt81<-ES(datDJCFretOUTSAt81$rev.DJCFretOUTSAt81, p=0.975, method="historical")
DJCF	82	100	1896	2018-11-21	2018-11-21	DJCFretOUTSAt82<-ln(DJCFaprx[100:1896]/lead(DJCFaprx[100:1896], 1))[1:1796]	datDJCFretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJCFretOUTSAt82))	DJCFESHIt82<-ES(datDJCFretOUTSAt82$rev.DJCFretOUTSAt82, p=0.975, method="historical")
DJCF	83	99	1895	2018-11-22	2018-11-22	DJCFretOUTSAt83<-ln(DJCFaprx[99:1895]/lead(DJCFaprx[99:1895], 1))[1:1796]	datDJCFretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJCFretOUTSAt83))	DJCFESHIt83<-ES(datDJCFretOUTSAt83$rev.DJCFretOUTSAt83, p=0.975, method="historical")
DJCF	84	98	1894	2018-11-23	2018-11-23	DJCFretOUTSAt84<-ln(DJCFaprx[98:1894]/lead(DJCFaprx[98:1894], 1))[1:1796]	datDJCFretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJCFretOUTSAt84))	DJCFESHIt84<-ES(datDJCFretOUTSAt84$rev.DJCFretOUTSAt84, p=0.975, method="historical")
DJCF	85	97	1893	2018-11-24	2018-11-24	DJCFretOUTSAt85<-ln(DJCFaprx[97:1893]/lead(DJCFaprx[97:1893], 1))[1:1796]	datDJCFretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJCFretOUTSAt85))	DJCFESHIt85<-ES(datDJCFretOUTSAt85$rev.DJCFretOUTSAt85, p=0.975, method="historical")
DJCF	86	96	1892	2018-11-25	2018-11-25	DJCFretOUTSAt86<-ln(DJCFaprx[96:1892]/lead(DJCFaprx[96:1892], 1))[1:1796]	datDJCFretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJCFretOUTSAt86))	DJCFESHIt86<-ES(datDJCFretOUTSAt86$rev.DJCFretOUTSAt86, p=0.975, method="historical")
DJCF	87	95	1891	2018-11-26	2018-11-26	DJCFretOUTSAt87<-ln(DJCFaprx[95:1891]/lead(DJCFaprx[95:1891], 1))[1:1796]	datDJCFretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJCFretOUTSAt87))	DJCFESHIt87<-ES(datDJCFretOUTSAt87$rev.DJCFretOUTSAt87, p=0.975, method="historical")
DJCF	88	94	1890	2018-11-27	2018-11-27	DJCFretOUTSAt88<-ln(DJCFaprx[94:1890]/lead(DJCFaprx[94:1890], 1))[1:1796]	datDJCFretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJCFretOUTSAt88))	DJCFESHIt88<-ES(datDJCFretOUTSAt88$rev.DJCFretOUTSAt88, p=0.975, method="historical")
DJCF	89	93	1889	2018-11-28	2018-11-28	DJCFretOUTSAt89<-ln(DJCFaprx[93:1889]/lead(DJCFaprx[93:1889], 1))[1:1796]	datDJCFretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJCFretOUTSAt89))	DJCFESHIt89<-ES(datDJCFretOUTSAt89$rev.DJCFretOUTSAt89, p=0.975, method="historical")
DJCF	90	92	1888	2018-11-29	2018-11-29	DJCFretOUTSAt90<-ln(DJCFaprx[92:1888]/lead(DJCFaprx[92:1888], 1))[1:1796]	datDJCFretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJCFretOUTSAt90))	DJCFESHIt90<-ES(datDJCFretOUTSAt90$rev.DJCFretOUTSAt90, p=0.975, method="historical")
DJCF	91	91	1887	2018-11-30	2018-11-30	DJCFretOUTSAt91<-ln(DJCFaprx[91:1887]/lead(DJCFaprx[91:1887], 1))[1:1796]	datDJCFretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJCFretOUTSAt91))	DJCFESHIt91<-ES(datDJCFretOUTSAt91$rev.DJCFretOUTSAt91, p=0.975, method="historical")
DJCF	92	90	1886	2018-12-01	2018-12-01	DJCFretOUTSAt92<-ln(DJCFaprx[90:1886]/lead(DJCFaprx[90:1886], 1))[1:1796]	datDJCFretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJCFretOUTSAt92))	DJCFESHIt92<-ES(datDJCFretOUTSAt92$rev.DJCFretOUTSAt92, p=0.975, method="historical")
DJCF	93	89	1885	2018-12-02	2018-12-02	DJCFretOUTSAt93<-ln(DJCFaprx[89:1885]/lead(DJCFaprx[89:1885], 1))[1:1796]	datDJCFretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJCFretOUTSAt93))	DJCFESHIt93<-ES(datDJCFretOUTSAt93$rev.DJCFretOUTSAt93, p=0.975, method="historical")
DJCF	94	88	1884	2018-12-03	2018-12-03	DJCFretOUTSAt94<-ln(DJCFaprx[88:1884]/lead(DJCFaprx[88:1884], 1))[1:1796]	datDJCFretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJCFretOUTSAt94))	DJCFESHIt94<-ES(datDJCFretOUTSAt94$rev.DJCFretOUTSAt94, p=0.975, method="historical")
DJCF	95	87	1883	2018-12-04	2018-12-04	DJCFretOUTSAt95<-ln(DJCFaprx[87:1883]/lead(DJCFaprx[87:1883], 1))[1:1796]	datDJCFretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJCFretOUTSAt95))	DJCFESHIt95<-ES(datDJCFretOUTSAt95$rev.DJCFretOUTSAt95, p=0.975, method="historical")
DJCF	96	86	1882	2018-12-05	2018-12-05	DJCFretOUTSAt96<-ln(DJCFaprx[86:1882]/lead(DJCFaprx[86:1882], 1))[1:1796]	datDJCFretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJCFretOUTSAt96))	DJCFESHIt96<-ES(datDJCFretOUTSAt96$rev.DJCFretOUTSAt96, p=0.975, method="historical")
DJCF	97	85	1881	2018-12-06	2018-12-06	DJCFretOUTSAt97<-ln(DJCFaprx[85:1881]/lead(DJCFaprx[85:1881], 1))[1:1796]	datDJCFretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJCFretOUTSAt97))	DJCFESHIt97<-ES(datDJCFretOUTSAt97$rev.DJCFretOUTSAt97, p=0.975, method="historical")
DJCF	98	84	1880	2018-12-07	2018-12-07	DJCFretOUTSAt98<-ln(DJCFaprx[84:1880]/lead(DJCFaprx[84:1880], 1))[1:1796]	datDJCFretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJCFretOUTSAt98))	DJCFESHIt98<-ES(datDJCFretOUTSAt98$rev.DJCFretOUTSAt98, p=0.975, method="historical")
DJCF	99	83	1879	2018-12-08	2018-12-08	DJCFretOUTSAt99<-ln(DJCFaprx[83:1879]/lead(DJCFaprx[83:1879], 1))[1:1796]	datDJCFretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJCFretOUTSAt99))	DJCFESHIt99<-ES(datDJCFretOUTSAt99$rev.DJCFretOUTSAt99, p=0.975, method="historical")
DJCF	100	82	1878	2018-12-09	2018-12-09	DJCFretOUTSAt100<-ln(DJCFaprx[82:1878]/lead(DJCFaprx[82:1878], 1))[1:1796]	datDJCFretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJCFretOUTSAt100))	DJCFESHIt100<-ES(datDJCFretOUTSAt100$rev.DJCFretOUTSAt100, p=0.975, method="historical")
DJCF	101	81	1877	2018-12-10	2018-12-10	DJCFretOUTSAt101<-ln(DJCFaprx[81:1877]/lead(DJCFaprx[81:1877], 1))[1:1796]	datDJCFretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJCFretOUTSAt101))	DJCFESHIt101<-ES(datDJCFretOUTSAt101$rev.DJCFretOUTSAt101, p=0.975, method="historical")
DJCF	102	80	1876	2018-12-11	2018-12-11	DJCFretOUTSAt102<-ln(DJCFaprx[80:1876]/lead(DJCFaprx[80:1876], 1))[1:1796]	datDJCFretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJCFretOUTSAt102))	DJCFESHIt102<-ES(datDJCFretOUTSAt102$rev.DJCFretOUTSAt102, p=0.975, method="historical")
DJCF	103	79	1875	2018-12-12	2018-12-12	DJCFretOUTSAt103<-ln(DJCFaprx[79:1875]/lead(DJCFaprx[79:1875], 1))[1:1796]	datDJCFretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJCFretOUTSAt103))	DJCFESHIt103<-ES(datDJCFretOUTSAt103$rev.DJCFretOUTSAt103, p=0.975, method="historical")
DJCF	104	78	1874	2018-12-13	2018-12-13	DJCFretOUTSAt104<-ln(DJCFaprx[78:1874]/lead(DJCFaprx[78:1874], 1))[1:1796]	datDJCFretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJCFretOUTSAt104))	DJCFESHIt104<-ES(datDJCFretOUTSAt104$rev.DJCFretOUTSAt104, p=0.975, method="historical")
DJCF	105	77	1873	2018-12-14	2018-12-14	DJCFretOUTSAt105<-ln(DJCFaprx[77:1873]/lead(DJCFaprx[77:1873], 1))[1:1796]	datDJCFretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJCFretOUTSAt105))	DJCFESHIt105<-ES(datDJCFretOUTSAt105$rev.DJCFretOUTSAt105, p=0.975, method="historical")
DJCF	106	76	1872	2018-12-15	2018-12-15	DJCFretOUTSAt106<-ln(DJCFaprx[76:1872]/lead(DJCFaprx[76:1872], 1))[1:1796]	datDJCFretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJCFretOUTSAt106))	DJCFESHIt106<-ES(datDJCFretOUTSAt106$rev.DJCFretOUTSAt106, p=0.975, method="historical")
DJCF	107	75	1871	2018-12-16	2018-12-16	DJCFretOUTSAt107<-ln(DJCFaprx[75:1871]/lead(DJCFaprx[75:1871], 1))[1:1796]	datDJCFretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJCFretOUTSAt107))	DJCFESHIt107<-ES(datDJCFretOUTSAt107$rev.DJCFretOUTSAt107, p=0.975, method="historical")
DJCF	108	74	1870	2018-12-17	2018-12-17	DJCFretOUTSAt108<-ln(DJCFaprx[74:1870]/lead(DJCFaprx[74:1870], 1))[1:1796]	datDJCFretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJCFretOUTSAt108))	DJCFESHIt108<-ES(datDJCFretOUTSAt108$rev.DJCFretOUTSAt108, p=0.975, method="historical")
DJCF	109	73	1869	2018-12-18	2018-12-18	DJCFretOUTSAt109<-ln(DJCFaprx[73:1869]/lead(DJCFaprx[73:1869], 1))[1:1796]	datDJCFretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJCFretOUTSAt109))	DJCFESHIt109<-ES(datDJCFretOUTSAt109$rev.DJCFretOUTSAt109, p=0.975, method="historical")
DJCF	110	72	1868	2018-12-19	2018-12-19	DJCFretOUTSAt110<-ln(DJCFaprx[72:1868]/lead(DJCFaprx[72:1868], 1))[1:1796]	datDJCFretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date

DJCF	169	13	1809	2019-02-16	2019-02-16	DJCFretOUTSAt169:-ln(DJCFaprx[13:1809]/lead(DJCFaprx[13:1809], 1))[1:1796]	datDJCFretOUTSAt169:- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJCFretOUTSAt169))	DJCFESHIt169:-ES(datDJCFretOUTSAt169$rev.DJCFretOUTSAt169, p=0.975, method="historical")
DJCF	170	12	1808	2019-02-17	2019-02-17	DJCFretOUTSAt170:-ln(DJCFaprx[12:1808]/lead(DJCFaprx[12:1808], 1))[1:1796]	datDJCFretOUTSAt170:- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJCFretOUTSAt170))	DJCFESHIt170:-ES(datDJCFretOUTSAt170$rev.DJCFretOUTSAt170, p=0.975, method="historical")
DJCF	171	11	1807	2019-02-18	2019-02-18	DJCFretOUTSAt171:-ln(DJCFaprx[11:1807]/lead(DJCFaprx[11:1807], 1))[1:1796]	datDJCFretOUTSAt171:- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJCFretOUTSAt171))	DJCFESHIt171:-ES(datDJCFretOUTSAt171$rev.DJCFretOUTSAt171, p=0.975, method="historical")
DJCF	172	10	1806	2019-02-19	2019-02-19	DJCFretOUTSAt172:-ln(DJCFaprx[10:1806]/lead(DJCFaprx[10:1806], 1))[1:1796]	datDJCFretOUTSAt172:- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJCFretOUTSAt172))	DJCFESHIt172:-ES(datDJCFretOUTSAt172$rev.DJCFretOUTSAt172, p=0.975, method="historical")
DJCF	173	9	1805	2019-02-20	2019-02-20	DJCFretOUTSAt173:-ln(DJCFaprx[9:1805]/lead(DJCFaprx[9:1805], 1))[1:1796]	datDJCFretOUTSAt173:- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJCFretOUTSAt173))	DJCFESHIt173:-ES(datDJCFretOUTSAt173$rev.DJCFretOUTSAt173, p=0.975, method="historical")
DJCF	174	8	1804	2019-02-21	2019-02-21	DJCFretOUTSAt174:-ln(DJCFaprx[8:1804]/lead(DJCFaprx[8:1804], 1))[1:1796]	datDJCFretOUTSAt174:- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJCFretOUTSAt174))	DJCFESHIt174:-ES(datDJCFretOUTSAt174$rev.DJCFretOUTSAt174, p=0.975, method="historical")
DJCF	175	7	1803	2019-02-22	2019-02-22	DJCFretOUTSAt175:-ln(DJCFaprx[7:1803]/lead(DJCFaprx[7:1803], 1))[1:1796]	datDJCFretOUTSAt175:- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJCFretOUTSAt175))	DJCFESHIt175:-ES(datDJCFretOUTSAt175$rev.DJCFretOUTSAt175, p=0.975, method="historical")
DJCF	176	6	1802	2019-02-23	2019-02-23	DJCFretOUTSAt176:-ln(DJCFaprx[6:1802]/lead(DJCFaprx[6:1802], 1))[1:1796]	datDJCFretOUTSAt176:- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJCFretOUTSAt176))	DJCFESHIt176:-ES(datDJCFretOUTSAt176$rev.DJCFretOUTSAt176, p=0.975, method="historical")
DJCF	177	5	1801	2019-02-24	2019-02-24	DJCFretOUTSAt177:-ln(DJCFaprx[5:1801]/lead(DJCFaprx[5:1801], 1))[1:1796]	datDJCFretOUTSAt177:- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJCFretOUTSAt177))	DJCFESHIt177:-ES(datDJCFretOUTSAt177$rev.DJCFretOUTSAt177, p=0.975, method="historical")
DJCF	178	4	1800	2019-02-25	2019-02-25	DJCFretOUTSAt178:-ln(DJCFaprx[4:1800]/lead(DJCFaprx[4:1800], 1))[1:1796]	datDJCFretOUTSAt178:- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJCFretOUTSAt178))	DJCFESHIt178:-ES(datDJCFretOUTSAt178$rev.DJCFretOUTSAt178, p=0.975, method="historical")
DJCF	179	3	1799	2019-02-26	2019-02-26	DJCFretOUTSAt179:-ln(DJCFaprx[3:1799]/lead(DJCFaprx[3:1799], 1))[1:1796]	datDJCFretOUTSAt179:- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJCFretOUTSAt179))	DJCFESHIt179:-ES(datDJCFretOUTSAt179$rev.DJCFretOUTSAt179, p=0.975, method="historical")
DJCF	180	2	1798	2019-02-27	2019-02-27	DJCFretOUTSAt180:-ln(DJCFaprx[2:1798]/lead(DJCFaprx[2:1798], 1))[1:1796]	datDJCFretOUTSAt180:- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJCFretOUTSAt180))	DJCFESHIt180:-ES(datDJCFretOUTSAt180$rev.DJCFretOUTSAt180, p=0.975, method="historical")
DJCF	181	1	1797	2019-02-28	2019-02-28	DJCFretOUTSAt181:-ln(DJCFaprx[1:1797]/lead(DJCFaprx[1:1797], 1))[1:1796]	datDJCFretOUTSAt181:- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJCFretOUTSAt181))	DJCFESHIt181:-ES(datDJCFretOUTSAt181$rev.DJCFretOUTSAt181, p=0.975, method="historical")
DJCT								
DJCT	1	181	1977	2018-09-01	2018-09-01	DJCTretOUTSAt1:-ln(DJCTaprx[181:1977]/lead(DJCTaprx[181:1977], 1))[1:1796]	datDJCTretOUTSAt1:- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJCTretOUTSAt1))	DJCTESHIt1:-ES(datDJCTretOUTSAt1$rev.DJCTretOUTSAt1, p=0.975, method="historical")
DJCT	2	180	1976	2018-09-02	2018-09-02	DJCTretOUTSAt2:-ln(DJCTaprx[180:1976]/lead(DJCTaprx[180:1976], 1))[1:1796]	datDJCTretOUTSAt2:- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJCTretOUTSAt2))	DJCTESHIt2:-ES(datDJCTretOUTSAt2$rev.DJCTretOUTSAt2, p=0.975, method="historical")
DJCT	3	179	1975	2018-09-03	2018-09-03	DJCTretOUTSAt3:-ln(DJCTaprx[179:1975]/lead(DJCTaprx[179:1975], 1))[1:1796]	datDJCTretOUTSAt3:- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJCTretOUTSAt3))	DJCTESHIt3:-ES(datDJCTretOUTSAt3$rev.DJCTretOUTSAt3, p=0.975, method="historical")
DJCT	4	178	1974	2018-09-04	2018-09-04	DJCTretOUTSAt4:-ln(DJCTaprx[178:1974]/lead(DJCTaprx[178:1974], 1))[1:1796]	datDJCTretOUTSAt4:- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJCTretOUTSAt4))	DJCTESHIt4:-ES(datDJCTretOUTSAt4$rev.DJCTretOUTSAt4, p=0.975, method="historical")
DJCT	5	177	1973	2018-09-05	2018-09-05	DJCTretOUTSAt5:-ln(DJCTaprx[177:1973]/lead(DJCTaprx[177:1973], 1))[1:1796]	datDJCTretOUTSAt5:- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJCTretOUTSAt5))	DJCTESHIt5:-ES(datDJCTretOUTSAt5$rev.DJCTretOUTSAt5, p=0.975, method="historical")
DJCT	6	176	1972	2018-09-06	2018-09-06	DJCTretOUTSAt6:-ln(DJCTaprx[176:1972]/lead(DJCTaprx[176:1972], 1))[1:1796]	datDJCTretOUTSAt6:- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJCTretOUTSAt6))	DJCTESHIt6:-ES(datDJCTretOUTSAt6$rev.DJCTretOUTSAt6, p=0.975, method="historical")
DJCT	7	175	1971	2018-09-07	2018-09-07	DJCTretOUTSAt7:-ln(DJCTaprx[175:1971]/lead(DJCTaprx[175:1971], 1))[1:1796]	datDJCTretOUTSAt7:- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJCTretOUTSAt7))	DJCTESHIt7:-ES(datDJCTretOUTSAt7$rev.DJCTretOUTSAt7, p=0.975, method="historical")
DJCT	8	174	1970	2018-09-08	2018-09-08	DJCTretOUTSAt8:-ln(DJCTaprx[174:1970]/lead(DJCTaprx[174:1970], 1))[1:1796]	datDJCTretOUTSAt8:- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJCTretOUTSAt8))	DJCTESHIt8:-ES(datDJCTretOUTSAt8$rev.DJCTretOUTSAt8, p=0.975, method="historical")
DJCT	9	173	1969	2018-09-09	2018-09-09	DJCTretOUTSAt9:-ln(DJCTaprx[173:1969]/lead(DJCTaprx[173:1969], 1))[1:1796]	datDJCTretOUTSAt9:- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJCTretOUTSAt9))	DJCTESHIt9:-ES(datDJCTretOUTSAt9$rev.DJCTretOUTSAt9, p=0.975, method="historical")
DJCT	10	172	1968	2018-09-10	2018-09-10	DJCTretOUTSAt10:-ln(DJCTaprx[172:1968]/lead(DJCTaprx[172:1968], 1))[1:1796]	datDJCTretOUTSAt10:- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJCTretOUTSAt10))	DJCTESHIt10:-ES(datDJCTretOUTSAt10$rev.DJCTretOUTSAt10, p=0.975, method="historical")
DJCT	11	171	1967	2018-09-11	2018-09-11	DJCTretOUTSAt11:-ln(DJCTaprx[171:1967]/lead(DJCTaprx[171:1967], 1))[1:1796]	datDJCTretOUTSAt11:- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJCTretOUTSAt11))	DJCTESHIt11:-ES(datDJCTretOUTSAt11$rev.DJCTretOUTSAt11, p=0.975, method="historical")
DJCT	12	170	1966	2018-09-12	2018-09-12	DJCTretOUTSAt12:-ln(DJCTaprx[170:1966]/lead(DJCTaprx[170:1966], 1))[1:1796]	datDJCTretOUTSAt12:- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJCTretOUTSAt12))	DJCTESHIt12:-ES(datDJCTretOUTSAt12$rev.DJCTretOUTSAt12, p=0.975, method="historical")
DJCT	13	169	1965	2018-09-13	2018-09-13	DJCTretOUTSAt13:-ln(DJCTaprx[169:1965]/lead(DJCTaprx[169:1965], 1))[1:1796]	datDJCTretOUTSAt13:- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJCTretOUTSAt13))	DJCTESHIt13:-ES(datDJCTretOUTSAt13$rev.DJCTretOUTSAt13, p=0.975, method="historical")
DJCT	14	168	1964	2018-09-14	2018-09-14	DJCTretOUTSAt14:-ln(DJCTaprx[168:1964]/lead(DJCTaprx[168:1964], 1))[1:1796]	datDJCTretOUTSAt14:- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJCTretOUTSAt14))	DJCTESHIt14:-ES(datDJCTretOUTSAt14$rev.DJCTretOUTSAt14, p=0.975, method="historical")
DJCT	15	167	1963	2018-09-15	2018-09-15	DJCTretOUTSAt15:-ln(DJCTaprx[167:1963]/lead(DJCTaprx[167:1963], 1))[1:1796]	datDJCTretOUTSAt15:- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJCTretOUTSAt15))	DJCTESHIt15:-ES(datDJCTretOUTSAt15$rev.DJCTretOUTSAt15, p=0.975, method="historical")
DJCT	16	166	1962	2018-09-16	2018-09-16	DJCTretOUTSAt16:-ln(DJCTaprx[166:1962]/lead(DJCTaprx[166:1962], 1))[1:1796]	datDJCTretOUTSAt16:- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJCTretOUTSAt16))	DJCTESHIt16:-ES(datDJCTretOUTSAt16$rev.DJCTretOUTSAt16, p=0.975, method="historical")
DJCT	17	165	1961	2018-09-17	2018-09-17	DJCTretOUTSAt17:-ln(DJCTaprx[165:1961]/lead(DJCTaprx[165:1961], 1))[1:1796]	datDJCTretOUTSAt17:- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJCTretOUTSAt17))	DJCTESHIt17:-ES(datDJCTretOUTSAt17$rev.DJCTretOUTSAt17, p=0.975, method="historical")
DJCT	18	164	1960	2018-09-18	2018-09-18	DJCTretOUTSAt18:-ln(DJCTaprx[164:1960]/lead(DJCTaprx[164:1960], 1))[1:1796]	datDJCTretOUTSAt18:- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJCTretOUTSAt18))	DJCTESHIt18:-ES(datDJCTretOUTSAt18$rev.DJCTretOUTSAt18, p=0.975, method="historical")
DJCT	19	163	1959	2018-09-19	2018-09-19	DJCTretOUTSAt19:-ln(DJCTaprx[163:1959]/lead(DJCTaprx[163:1959], 1))[1:1796]	datDJCTretOUTSAt19:- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJCTretOUTSAt19))	DJCTESHIt19:-ES(datDJCTretOUTSAt19$rev.DJCTretOUTSAt19, p=0.975, method="historical")
DJCT	20	162	1958	2018-09-20	2018-09-20	DJCTretOUTSAt20:-ln(DJCTaprx[162:1958]/lead(DJCTaprx[162:1958], 1))[1:1796]	datDJCTretOUTSAt20:- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJCTretOUTSAt20))	DJCTESHIt20:-ES(datDJCTretOUTSAt20$rev.DJCTretOUTSAt20, p=0.975, method="historical")
DJCT	21	161	1957	2018-09-21	2018-09-21	DJCTretOUTSAt21:-ln(DJCTaprx[161:1957]/lead(DJCTaprx[161:1957], 1))[1:1796]	datDJCTretOUTSAt21:- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJCTretOUTSAt21))	DJCTESHIt21:-ES(datDJCTretOUTSAt21$rev.DJCTretOUTSAt21, p=0.975, method="historical")
DJCT	22	160	1956	2018-09-22	2018-09-22	DJCTretOUTSAt22:-ln(DJCTaprx[160:1956]/lead(DJCTaprx[160:1956], 1))[1:1796]	datDJCTretOUTSAt22:- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJCTretOUTSAt22))	DJCTESHIt22:-ES(datDJCTretOUTSAt22$rev.DJCTretOUTSAt22, p=0.975, method="historical")
DJCT	23	159	1955	2018-09-23	2018-09-23	DJCTretOUTSAt23:-ln(DJCTaprx[159:1955]/lead(DJCTaprx[159:1955], 1))[1:1796]	datDJCTretOUTSAt23:- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJCTretOUTSAt23))	DJCTESHIt23:-ES(datDJCTretOUTSAt23$rev.DJCTretOUTSAt23, p=0.975, method="historical")
DJCT	24	158	1954	2018-09-24	2018-09-24	DJCTretOUTSAt24:-ln(DJCTaprx[158:1954]/lead(DJCTaprx[158:1954], 1))[1:1796]	datDJCTretOUTSAt24:- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJCTretOUTSAt24))	DJCTESHIt24:-ES(datDJCTretOUTSAt24$rev.DJCTretOUTSAt24, p=0.975, method="historical")
DJCT	25	157	1953	2018-09-25	2018-09-25	DJCTretOUTSAt25:-ln(DJCTaprx[157:1953]/lead(DJCTaprx[157:1953], 1))[1:1796]	datDJCTretOUTSAt25:- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJCTretOUTSAt25))	DJCTESHIt25:-ES(datDJCTretOUTSAt25$rev.DJCTretOUTSAt25, p=0.975, method="historical")
DJCT	26	156	1952	2018-09-26	2018-09-26	DJCTretOUTSAt26:-ln(DJCTaprx[156:1952]/lead(DJCTaprx[156:1952], 1))[1:1796]	datDJCTretOUTSAt26:- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJCTretOUTSAt26))	DJCTESHIt26:-ES(datDJCTretOUTSAt26$rev.DJCTretOUTSAt26, p=0.975, method="historical")
DJCT	27	155	1951	2018-09-27	2018-09-27	DJCTretOUTSAt27:-ln(DJCTaprx[155:1951]/lead(DJCTaprx[155:1951], 1))[1:1796]	datDJCTretOUTSAt27:- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJCTretOUTSAt27))	DJCTESHIt27:-ES(datDJCTretOUTSAt27$rev.DJCTretOUTSAt27, p=0.975, method="historical")
DJCT	28	154	1950	2018-09-28	2018-09-28	DJCTretOUTSAt28:-ln(DJCTaprx[154:1950]/lead(DJCTaprx[154:1950], 1))[1:1796]	datDJCTretOUTSAt28:- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJCTretOUTSAt28))	DJCTESHIt28:-ES(datDJCTretOUTSAt28$rev.DJCTretOUTSAt28, p=0.975, method="historical")
DJCT	29	153	1949	2018-09-29	2018-09-29	DJCTretOUTSAt29:-ln(DJCTaprx[153:1949]/lead(DJCTaprx[153:1949], 1))[1:1796]	datDJCTretOUTSAt29:- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJCTretOUTSAt29))	DJCTESHIt29:-ES(datDJCTretOUTSAt29$rev.DJCTretOUTSAt29, p=0.975, method="historical")
DJCT	30	152	1948	2018-09-30	2018-09-30	DJCTretOUTSAt30:-ln(DJCTaprx[152:1948]/lead(DJCTaprx[152:1948], 1))[1:1796]	datDJCTretOUTSAt30:- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJCTretOUTSAt30))	DJCTESHIt30:-ES(datDJCTretOUTSAt30$rev.DJCTretOUTSAt30, p=0.975, method="historical")
DJCT	31	151	1947	2018-10-01	2018-10-01	DJCTretOUTSAt31:-ln(DJCTaprx[151:1947]/lead(DJCTaprx[151:1947], 1))[1:1796]	datDJCTretOUTSAt31:- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJCTretOUTSAt31))	DJCTESHIt31:-ES(datDJCTretOUTSAt31$rev.DJCTretOUTSAt31, p=0.975, method="historical")
DJCT	32	150	1946	2018-10-02	2018-10-02	DJCTretOUTSAt32:-ln(DJCTaprx[150:1946]/lead(DJCTaprx[150:1946], 1))[1:1796]	datDJCTretOUTSAt32:- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJCTretOUTSAt32))	DJCTESHIt32:-ES(datDJCTretOUTSAt32$rev.DJCTretOUTSAt32, p=0.975, method="historical")
DJCT	33	149	1945	2018-10-03	2018-10-03	DJCTretOUTSAt33:-ln(DJCTaprx[149:1945]/lead(DJCTaprx[149:1945], 1))[1:1796]	datDJCTretOUTSAt33:- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJCTretOUTSAt33))	DJCTESHIt33:-ES(datDJCTretOUTSAt33$rev.DJCTretOUTSAt33, p=0.975, method="historical")
DJCT	34	148	1944	2018-10-04	2018-10-04	DJCTretOUTSAt34:-ln(DJCTaprx[148:1944]/lead(DJCTaprx[148:1944], 1))[1:1796]	datDJCTretOUTSAt34:- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJCTretOUTSAt34))	DJCTESHIt34:-ES(datDJCTretOUTSAt34$rev.DJCTretOUTSAt34, p=0.975, method="historical")
DJCT	35	147	1943	2018-10-05	2018-10-05	DJCTretOUTSAt35:-ln(DJCTaprx[147:1943]/lead(DJCTaprx[147:1943], 1))[1:1796]	datDJCTretOUTSAt35:- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJCTretOUTSAt35))	DJCTESHIt35:-ES(datDJCTretOUTSAt35$rev.DJCTretOUTSAt35, p=0.975, method="historical")
DJCT	36	146	1942	2018-10-06	2018-10-06	DJCTretOUTSAt36:-ln(DJCTaprx[146:1942]/lead(DJCTaprx[146:1942], 1))[1:1796]	datDJCTretOUTSAt36:- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJCTretOUTSAt36))	DJCTESHIt36:-ES(datDJCTretOUTSAt36$rev.DJCTretOUTSAt36, p=0.975, method="historical")
DJCT	37	145	1941	2018-10-07	2018-10-07	DJCTretOUTSAt37:-ln(DJCTaprx[145:1941]/lead(DJCTaprx[145:1941], 1))[1:1796]	datDJCTretOUTSAt37:- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJCTretOUTSAt37))	DJCTESHIt37:-ES(datDJCTretOUTSAt37$rev.DJCTretOUTSAt37, p=0.975, method="historical")
DJCT	38	144	1940	2018-10-08	2018-10-08	DJCTretOUTSAt38:-ln(DJCTaprx[144:1940]/lead(DJCTaprx[144:1940], 1))[1:1796]	datDJCTretOUTSAt38:- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJCTretOUTSAt38))	DJCTESHIt38:-ES(datDJCTretOUTSAt38$rev.DJCTretOUTSAt38, p=0.975, method="historical")
DJCT	39	143	1939	2018-10-09	2018-10-09	DJCTretOUTSAt39:-ln(DJCTaprx[143:1939]/lead(DJCTaprx[143:1939], 1))[1:1796]	datDJCTretOUTSAt39:- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJCTretOUTSAt39))	DJCTESHIt39:-ES(datDJCTretOUTSAt39$rev.DJCTretOUTSAt39, p=0.975, method="historical")
DJCT	40	142	1938	2018-10-10	2018-10-10	DJCTretOUTSAt40:-ln(DJCTaprx[142:1938]/lead(DJCTaprx[142:1938], 1))[1:1796]	datDJCTretOUTSAt40:- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJCTretOUTSAt40))	DJCTESHIt40:-ES(datDJCTretOUTSAt40$rev.DJCTretOUTSAt40, p=0.975, method="historical")
DJCT	41	141	1937	2018-10-11	2018-10-11	DJCTretOUTSAt41:-ln(DJCTaprx[141:1937]/lead(DJCTaprx[141:1937], 1))[1:1796]	datDJCTretOUTSAt41:- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJCTretOUTSAt41))	DJCTESHIt41:-ES(datDJCTretOUTSAt41$rev.DJCTretOUTSAt41, p=0.975, method="historical")
DJCT	42	140	1936	2018-10-12	2018-10-12	DJCTretOUTSAt42:-ln(DJCTaprx[140:1936]/lead(DJCTaprx[140:1936], 1))[1:1796]	datDJCTretOUTSAt42:- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJCTretOUTSAt42))	DJCTESHIt42:-ES(datDJCTretOUTSAt42$rev.DJCTretOUTSAt42, p=0.975, method="historical")
DJCT	43	139	1935	2018-10-13	2018-10-13	DJCTretOUTSAt43:-ln(DJCTaprx[139:1935]/lead(DJCTaprx[139:1935], 1))[1:1796]	datDJCTretOUTSAt43:- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJCTretOUTSAt43))	DJCTESHIt43:-ES(datDJCTretOUTSAt43$rev.DJCTretOUTSAt43, p=0.975, method="historical")
DJCT	44	138	1934	2018-10-14	2018-10-14	DJCTretOUTSAt44:-ln(DJCTaprx[138:1934]/lead(DJCTaprx[138:1934], 1))[1:1796]	datDJCTretOUTSAt44:- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJCTretOUTSAt44))	DJCTESHIt44:-ES(datDJCTretOUTSAt44$rev.DJCTretOUTSAt44, p=0.975, method="historical")
DJCT	45	137	1933	2018-10-15	2018-10-15	DJCTretOUTSAt45:-ln(DJCTaprx[137:1933]/lead(DJCTaprx[137:1933], 1))[1:1796]	datDJCTretOUTSAt45:- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJCTretOUTSAt45))	DJCTESHIt45:-ES(datDJCTretOUTSAt45$rev.DJCTretOUTSAt45, p=0.975, method="historical")
DJCT	46	136	1932	2018-10-16	2018-10-16	DJCTretOUTSAt46:-ln(DJCTaprx[136:1932]/lead(DJCTaprx[136:1932], 1))[1:1796]	datDJCTretOUTSAt46:- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJCTretOUTSAt46))	DJCTESHIt46:-ES(datDJCTretOUTSAt46$rev.DJCTretOUTSAt46, p=0.975, method="historical")
DJCT	47	135	1931	2018-10-17	2018-10-17	DJCTretOUTSAt47:-ln(DJCTaprx[135:1931]/lead(DJCTaprx[135:1931], 1))[1:1796]	datDJCTretOUTSAt47:- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJCTretOUTSAt47))	DJCTESHIt47:-ES(datDJCTretOUTSAt47$rev.DJCTretOUTSAt47, p=0.975, method="historical")
DJCT	48	134	1930	2018-10-18	2018-10-18	DJCTretOUTSAt48:-ln(DJCTaprx[134:1930]/lead(DJCTaprx[134:1930], 1))[1:1796]	datDJCTretOUTSAt48:- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJCTretOUTSAt48))	DJCTESHIt48:-ES(datDJCTretOUTSAt48$rev.DJCTretOUTSAt48, p=0.975, method="historical")
DJCT	49	133	1929	2018-10-19	2018-10-19	DJCTretOUTSAt49:-ln(DJCTaprx[133:1929]/lead(DJCTaprx[133:1929], 1))[1:1796]	datDJCTretOUTSAt49:- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJCTretOUTSAt49))	DJCTESHIt49:-ES(datDJCTretOUTSAt49$rev.DJCTretOUTSAt49, p=0.975, method="historical")
DJCT	50	132	1928	2018-10-20	2018-10-20	DJCTretOUTSAt50:-ln(DJCTaprx[132:1928]/lead(DJCTaprx[132:1928], 1))[1:1796]	datDJCTretOUTSAt50:- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJCTretOUTSAt50))	DJCTESHIt50:-ES(datDJCTretOUTSAt50$rev.DJCTretOUTSAt50, p=0.975, method="historical")
DJCT	51	131	1927	2018-10-21	2018-10-21	DJCTretOUTSAt51:-ln(DJCTaprx[131:1927]/lead(DJCTaprx[131:1927], 1))[1:1796]	datDJCTretOUTSAt51:- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJCTretOUTSAt51))	DJCTESHIt51:-ES(datDJCTretOUTSAt51$rev.DJCTretOUTSAt51, p=0.975, method="historical")
DJCT	52	130	1926	2018-10-22	2018-10-22	DJCTretOUTSAt52:-ln(DJCTaprx[130:1926]/lead(DJCTaprx[130:1926], 1))[1:1796]	datDJCTretOUTSAt52:- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJCTretOUTSAt52))	DJCTESHIt52:-ES(datDJCTretOUTSAt52$rev.DJCTretOUTSAt52, p=0.975, method="historical")
DJCT	53	129	1925	2018-10-23	2018-10-23	DJCTretOUTSAt53:-ln(DJCTaprx[129:1925]/lead(DJCTaprx[129:1925], 1))[1:1796]	datDJCTretOUTSAt53:- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJCTretOUTSAt53))	DJCTESHIt53:-ES(datDJCTretOUTSAt53$rev.DJCTretOUTSAt53, p=0.975, method="historical")
DJCT	54	128	1924	2018-10-24	2018-10-24	DJCTretOUTSAt54:-ln(DJCTaprx[128:1924]/lead(DJCTaprx[128:1924], 1))[1:1796]	datDJCTretOUTSAt54:- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJCTretOUTSAt54))	DJCTESHIt54:-ES(datDJCTretOUTSAt54$rev.DJCTretOUTSAt54, p=0.975, method="historical")
DJCT	55	127	1923	2018-10-25	2018-10-25	DJCTretOUTSAt55:-ln(DJCTaprx[127:1923]/lead(DJCTaprx[127:1923], 1))[1:1796]	datDJCTretOUTSAt55:- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJCTretOUTSAt55))	DJCTESHIt55:-ES(datDJCTretOUTSAt55$rev.DJCTretOUTSAt55, p=0.975, method="historical")
DJCT	56	126	1922	2018-10-26	2018-10-26	DJCTretOUTSAt56:-ln(DJCTaprx[126:1922]/lead(DJCTaprx[126:1922], 1))[1:1796]	datDJCTretOUTSAt56:- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJCTretOUTSAt56))	DJCTESHIt56:-ES(datDJCTretOUTSAt56$rev.DJCTretOUTSAt56, p=0.975, method="historical")
DJCT	57	125	1921	2018-10-27	2018-10-27	DJCTretOUTSAt57:-ln(DJCTaprx[125:1921]/lead(DJCTaprx[125:1921], 1))[1:1796]	datDJCTretOUTSAt57:- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJCTretOUTSAt57))	DJCTESHIt57:-ES(datDJCTretOUTSAt57$rev.DJCTretOUTSAt57, p=0.975, method="historical")
DJCT	58	124	1920	2018-10-28	2018-10-28	DJCTretOUTSAt58:-ln(DJCTaprx[124:1920]/lead(DJCTaprx[124:1920], 1))[1:1796]	datDJCTretOUTSAt58:-

DJCT	115	67	1863	2018-12-24	2018-12-24	DJCTretOUTSAt115<-ln(DJCTaprx[67:1863]/lead(DJCTaprx[67:1863], 1))[1:1796]	datDJCTretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJCTretOUTSAt115))	DJCTESHIt115<-ES(datDJCTretOUTSAt115$rev.DJCTretOUTSAt115, p=0.975, method="historical")
DJCT	116	66	1862	2018-12-25	2018-12-25	DJCTretOUTSAt116<-ln(DJCTaprx[66:1862]/lead(DJCTaprx[66:1862], 1))[1:1796]	datDJCTretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJCTretOUTSAt116))	DJCTESHIt116<-ES(datDJCTretOUTSAt116$rev.DJCTretOUTSAt116, p=0.975, method="historical")
DJCT	117	65	1861	2018-12-26	2018-12-26	DJCTretOUTSAt117<-ln(DJCTaprx[65:1861]/lead(DJCTaprx[65:1861], 1))[1:1796]	datDJCTretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJCTretOUTSAt117))	DJCTESHIt117<-ES(datDJCTretOUTSAt117$rev.DJCTretOUTSAt117, p=0.975, method="historical")
DJCT	118	64	1860	2018-12-27	2018-12-27	DJCTretOUTSAt118<-ln(DJCTaprx[64:1860]/lead(DJCTaprx[64:1860], 1))[1:1796]	datDJCTretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJCTretOUTSAt118))	DJCTESHIt118<-ES(datDJCTretOUTSAt118$rev.DJCTretOUTSAt118, p=0.975, method="historical")
DJCT	119	63	1859	2018-12-28	2018-12-28	DJCTretOUTSAt119<-ln(DJCTaprx[63:1859]/lead(DJCTaprx[63:1859], 1))[1:1796]	datDJCTretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJCTretOUTSAt119))	DJCTESHIt119<-ES(datDJCTretOUTSAt119$rev.DJCTretOUTSAt119, p=0.975, method="historical")
DJCT	120	62	1858	2018-12-29	2018-12-29	DJCTretOUTSAt120<-ln(DJCTaprx[62:1858]/lead(DJCTaprx[62:1858], 1))[1:1796]	datDJCTretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJCTretOUTSAt120))	DJCTESHIt120<-ES(datDJCTretOUTSAt120$rev.DJCTretOUTSAt120, p=0.975, method="historical")
DJCT	121	61	1857	2018-12-30	2018-12-30	DJCTretOUTSAt121<-ln(DJCTaprx[61:1857]/lead(DJCTaprx[61:1857], 1))[1:1796]	datDJCTretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJCTretOUTSAt121))	DJCTESHIt121<-ES(datDJCTretOUTSAt121$rev.DJCTretOUTSAt121, p=0.975, method="historical")
DJCT	122	60	1856	2018-12-31	2018-12-31	DJCTretOUTSAt122<-ln(DJCTaprx[60:1856]/lead(DJCTaprx[60:1856], 1))[1:1796]	datDJCTretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJCTretOUTSAt122))	DJCTESHIt122<-ES(datDJCTretOUTSAt122$rev.DJCTretOUTSAt122, p=0.975, method="historical")
DJCT	123	59	1855	2019-01-01	2019-01-01	DJCTretOUTSAt123<-ln(DJCTaprx[59:1855]/lead(DJCTaprx[59:1855], 1))[1:1796]	datDJCTretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJCTretOUTSAt123))	DJCTESHIt123<-ES(datDJCTretOUTSAt123$rev.DJCTretOUTSAt123, p=0.975, method="historical")
DJCT	124	58	1854	2019-01-02	2019-01-02	DJCTretOUTSAt124<-ln(DJCTaprx[58:1854]/lead(DJCTaprx[58:1854], 1))[1:1796]	datDJCTretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJCTretOUTSAt124))	DJCTESHIt124<-ES(datDJCTretOUTSAt124$rev.DJCTretOUTSAt124, p=0.975, method="historical")
DJCT	125	57	1853	2019-01-03	2019-01-03	DJCTretOUTSAt125<-ln(DJCTaprx[57:1853]/lead(DJCTaprx[57:1853], 1))[1:1796]	datDJCTretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJCTretOUTSAt125))	DJCTESHIt125<-ES(datDJCTretOUTSAt125$rev.DJCTretOUTSAt125, p=0.975, method="historical")
DJCT	126	56	1852	2019-01-04	2019-01-04	DJCTretOUTSAt126<-ln(DJCTaprx[56:1852]/lead(DJCTaprx[56:1852], 1))[1:1796]	datDJCTretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJCTretOUTSAt126))	DJCTESHIt126<-ES(datDJCTretOUTSAt126$rev.DJCTretOUTSAt126, p=0.975, method="historical")
DJCT	127	55	1851	2019-01-05	2019-01-05	DJCTretOUTSAt127<-ln(DJCTaprx[55:1851]/lead(DJCTaprx[55:1851], 1))[1:1796]	datDJCTretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJCTretOUTSAt127))	DJCTESHIt127<-ES(datDJCTretOUTSAt127$rev.DJCTretOUTSAt127, p=0.975, method="historical")
DJCT	128	54	1850	2019-01-06	2019-01-06	DJCTretOUTSAt128<-ln(DJCTaprx[54:1850]/lead(DJCTaprx[54:1850], 1))[1:1796]	datDJCTretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJCTretOUTSAt128))	DJCTESHIt128<-ES(datDJCTretOUTSAt128$rev.DJCTretOUTSAt128, p=0.975, method="historical")
DJCT	129	53	1849	2019-01-07	2019-01-07	DJCTretOUTSAt129<-ln(DJCTaprx[53:1849]/lead(DJCTaprx[53:1849], 1))[1:1796]	datDJCTretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJCTretOUTSAt129))	DJCTESHIt129<-ES(datDJCTretOUTSAt129$rev.DJCTretOUTSAt129, p=0.975, method="historical")
DJCT	130	52	1848	2019-01-08	2019-01-08	DJCTretOUTSAt130<-ln(DJCTaprx[52:1848]/lead(DJCTaprx[52:1848], 1))[1:1796]	datDJCTretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJCTretOUTSAt130))	DJCTESHIt130<-ES(datDJCTretOUTSAt130$rev.DJCTretOUTSAt130, p=0.975, method="historical")
DJCT	131	51	1847	2019-01-09	2019-01-09	DJCTretOUTSAt131<-ln(DJCTaprx[51:1847]/lead(DJCTaprx[51:1847], 1))[1:1796]	datDJCTretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJCTretOUTSAt131))	DJCTESHIt131<-ES(datDJCTretOUTSAt131$rev.DJCTretOUTSAt131, p=0.975, method="historical")
DJCT	132	50	1846	2019-01-10	2019-01-10	DJCTretOUTSAt132<-ln(DJCTaprx[50:1846]/lead(DJCTaprx[50:1846], 1))[1:1796]	datDJCTretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJCTretOUTSAt132))	DJCTESHIt132<-ES(datDJCTretOUTSAt132$rev.DJCTretOUTSAt132, p=0.975, method="historical")
DJCT	133	49	1845	2019-01-11	2019-01-11	DJCTretOUTSAt133<-ln(DJCTaprx[49:1845]/lead(DJCTaprx[49:1845], 1))[1:1796]	datDJCTretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJCTretOUTSAt133))	DJCTESHIt133<-ES(datDJCTretOUTSAt133$rev.DJCTretOUTSAt133, p=0.975, method="historical")
DJCT	134	48	1844	2019-01-12	2019-01-12	DJCTretOUTSAt134<-ln(DJCTaprx[48:1844]/lead(DJCTaprx[48:1844], 1))[1:1796]	datDJCTretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJCTretOUTSAt134))	DJCTESHIt134<-ES(datDJCTretOUTSAt134$rev.DJCTretOUTSAt134, p=0.975, method="historical")
DJCT	135	47	1843	2019-01-13	2019-01-13	DJCTretOUTSAt135<-ln(DJCTaprx[47:1843]/lead(DJCTaprx[47:1843], 1))[1:1796]	datDJCTretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJCTretOUTSAt135))	DJCTESHIt135<-ES(datDJCTretOUTSAt135$rev.DJCTretOUTSAt135, p=0.975, method="historical")
DJCT	136	46	1842	2019-01-14	2019-01-14	DJCTretOUTSAt136<-ln(DJCTaprx[46:1842]/lead(DJCTaprx[46:1842], 1))[1:1796]	datDJCTretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJCTretOUTSAt136))	DJCTESHIt136<-ES(datDJCTretOUTSAt136$rev.DJCTretOUTSAt136, p=0.975, method="historical")
DJCT	137	45	1841	2019-01-15	2019-01-15	DJCTretOUTSAt137<-ln(DJCTaprx[45:1841]/lead(DJCTaprx[45:1841], 1))[1:1796]	datDJCTretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJCTretOUTSAt137))	DJCTESHIt137<-ES(datDJCTretOUTSAt137$rev.DJCTretOUTSAt137, p=0.975, method="historical")
DJCT	138	44	1840	2019-01-16	2019-01-16	DJCTretOUTSAt138<-ln(DJCTaprx[44:1840]/lead(DJCTaprx[44:1840], 1))[1:1796]	datDJCTretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJCTretOUTSAt138))	DJCTESHIt138<-ES(datDJCTretOUTSAt138$rev.DJCTretOUTSAt138, p=0.975, method="historical")
DJCT	139	43	1839	2019-01-17	2019-01-17	DJCTretOUTSAt139<-ln(DJCTaprx[43:1839]/lead(DJCTaprx[43:1839], 1))[1:1796]	datDJCTretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJCTretOUTSAt139))	DJCTESHIt139<-ES(datDJCTretOUTSAt139$rev.DJCTretOUTSAt139, p=0.975, method="historical")
DJCT	140	42	1838	2019-01-18	2019-01-18	DJCTretOUTSAt140<-ln(DJCTaprx[42:1838]/lead(DJCTaprx[42:1838], 1))[1:1796]	datDJCTretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJCTretOUTSAt140))	DJCTESHIt140<-ES(datDJCTretOUTSAt140$rev.DJCTretOUTSAt140, p=0.975, method="historical")
DJCT	141	41	1837	2019-01-19	2019-01-19	DJCTretOUTSAt141<-ln(DJCTaprx[41:1837]/lead(DJCTaprx[41:1837], 1))[1:1796]	datDJCTretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJCTretOUTSAt141))	DJCTESHIt141<-ES(datDJCTretOUTSAt141$rev.DJCTretOUTSAt141, p=0.975, method="historical")
DJCT	142	40	1836	2019-01-20	2019-01-20	DJCTretOUTSAt142<-ln(DJCTaprx[40:1836]/lead(DJCTaprx[40:1836], 1))[1:1796]	datDJCTretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJCTretOUTSAt142))	DJCTESHIt142<-ES(datDJCTretOUTSAt142$rev.DJCTretOUTSAt142, p=0.975, method="historical")
DJCT	143	39	1835	2019-01-21	2019-01-21	DJCTretOUTSAt143<-ln(DJCTaprx[39:1835]/lead(DJCTaprx[39:1835], 1))[1:1796]	datDJCTretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJCTretOUTSAt143))	DJCTESHIt143<-ES(datDJCTretOUTSAt143$rev.DJCTretOUTSAt143, p=0.975, method="historical")
DJCT	144	38	1834	2019-01-22	2019-01-22	DJCTretOUTSAt144<-ln(DJCTaprx[38:1834]/lead(DJCTaprx[38:1834], 1))[1:1796]	datDJCTretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJCTretOUTSAt144))	DJCTESHIt144<-ES(datDJCTretOUTSAt144$rev.DJCTretOUTSAt144, p=0.975, method="historical")
DJCT	145	37	1833	2019-01-23	2019-01-23	DJCTretOUTSAt145<-ln(DJCTaprx[37:1833]/lead(DJCTaprx[37:1833], 1))[1:1796]	datDJCTretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJCTretOUTSAt145))	DJCTESHIt145<-ES(datDJCTretOUTSAt145$rev.DJCTretOUTSAt145, p=0.975, method="historical")
DJCT	146	36	1832	2019-01-24	2019-01-24	DJCTretOUTSAt146<-ln(DJCTaprx[36:1832]/lead(DJCTaprx[36:1832], 1))[1:1796]	datDJCTretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJCTretOUTSAt146))	DJCTESHIt146<-ES(datDJCTretOUTSAt146$rev.DJCTretOUTSAt146, p=0.975, method="historical")
DJCT	147	35	1831	2019-01-25	2019-01-25	DJCTretOUTSAt147<-ln(DJCTaprx[35:1831]/lead(DJCTaprx[35:1831], 1))[1:1796]	datDJCTretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJCTretOUTSAt147))	DJCTESHIt147<-ES(datDJCTretOUTSAt147$rev.DJCTretOUTSAt147, p=0.975, method="historical")
DJCT	148	34	1830	2019-01-26	2019-01-26	DJCTretOUTSAt148<-ln(DJCTaprx[34:1830]/lead(DJCTaprx[34:1830], 1))[1:1796]	datDJCTretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJCTretOUTSAt148))	DJCTESHIt148<-ES(datDJCTretOUTSAt148$rev.DJCTretOUTSAt148, p=0.975, method="historical")
DJCT	149	33	1829	2019-01-27	2019-01-27	DJCTretOUTSAt149<-ln(DJCTaprx[33:1829]/lead(DJCTaprx[33:1829], 1))[1:1796]	datDJCTretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJCTretOUTSAt149))	DJCTESHIt149<-ES(datDJCTretOUTSAt149$rev.DJCTretOUTSAt149, p=0.975, method="historical")
DJCT	150	32	1828	2019-01-28	2019-01-28	DJCTretOUTSAt150<-ln(DJCTaprx[32:1828]/lead(DJCTaprx[32:1828], 1))[1:1796]	datDJCTretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJCTretOUTSAt150))	DJCTESHIt150<-ES(datDJCTretOUTSAt150$rev.DJCTretOUTSAt150, p=0.975, method="historical")
DJCT	151	31	1827	2019-01-29	2019-01-29	DJCTretOUTSAt151<-ln(DJCTaprx[31:1827]/lead(DJCTaprx[31:1827], 1))[1:1796]	datDJCTretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJCTretOUTSAt151))	DJCTESHIt151<-ES(datDJCTretOUTSAt151$rev.DJCTretOUTSAt151, p=0.975, method="historical")
DJCT	152	30	1826	2019-01-30	2019-01-30	DJCTretOUTSAt152<-ln(DJCTaprx[30:1826]/lead(DJCTaprx[30:1826], 1))[1:1796]	datDJCTretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJCTretOUTSAt152))	DJCTESHIt152<-ES(datDJCTretOUTSAt152$rev.DJCTretOUTSAt152, p=0.975, method="historical")
DJCT	153	29	1825	2019-01-31	2019-01-31	DJCTretOUTSAt153<-ln(DJCTaprx[29:1825]/lead(DJCTaprx[29:1825], 1))[1:1796]	datDJCTretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJCTretOUTSAt153))	DJCTESHIt153<-ES(datDJCTretOUTSAt153$rev.DJCTretOUTSAt153, p=0.975, method="historical")
DJCT	154	28	1824	2019-02-01	2019-02-01	DJCTretOUTSAt154<-ln(DJCTaprx[28:1824]/lead(DJCTaprx[28:1824], 1))[1:1796]	datDJCTretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJCTretOUTSAt154))	DJCTESHIt154<-ES(datDJCTretOUTSAt154$rev.DJCTretOUTSAt154, p=0.975, method="historical")
DJCT	155	27	1823	2019-02-02	2019-02-02	DJCTretOUTSAt155<-ln(DJCTaprx[27:1823]/lead(DJCTaprx[27:1823], 1))[1:1796]	datDJCTretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJCTretOUTSAt155))	DJCTESHIt155<-ES(datDJCTretOUTSAt155$rev.DJCTretOUTSAt155, p=0.975, method="historical")
DJCT	156	26	1822	2019-02-03	2019-02-03	DJCTretOUTSAt156<-ln(DJCTaprx[26:1822]/lead(DJCTaprx[26:1822], 1))[1:1796]	datDJCTretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJCTretOUTSAt156))	DJCTESHIt156<-ES(datDJCTretOUTSAt156$rev.DJCTretOUTSAt156, p=0.975, method="historical")
DJCT	157	25	1821	2019-02-04	2019-02-04	DJCTretOUTSAt157<-ln(DJCTaprx[25:1821]/lead(DJCTaprx[25:1821], 1))[1:1796]	datDJCTretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJCTretOUTSAt157))	DJCTESHIt157<-ES(datDJCTretOUTSAt157$rev.DJCTretOUTSAt157, p=0.975, method="historical")
DJCT	158	24	1820	2019-02-05	2019-02-05	DJCTretOUTSAt158<-ln(DJCTaprx[24:1820]/lead(DJCTaprx[24:1820], 1))[1:1796]	datDJCTretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJCTretOUTSAt158))	DJCTESHIt158<-ES(datDJCTretOUTSAt158$rev.DJCTretOUTSAt158, p=0.975, method="historical")
DJCT	159	23	1819	2019-02-06	2019-02-06	DJCTretOUTSAt159<-ln(DJCTaprx[23:1819]/lead(DJCTaprx[23:1819], 1))[1:1796]	datDJCTretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJCTretOUTSAt159))	DJCTESHIt159<-ES(datDJCTretOUTSAt159$rev.DJCTretOUTSAt159, p=0.975, method="historical")
DJCT	160	22	1818	2019-02-07	2019-02-07	DJCTretOUTSAt160<-ln(DJCTaprx[22:1818]/lead(DJCTaprx[22:1818], 1))[1:1796]	datDJCTretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJCTretOUTSAt160))	DJCTESHIt160<-ES(datDJCTretOUTSAt160$rev.DJCTretOUTSAt160, p=0.975, method="historical")
DJCT	161	21	1817	2019-02-08	2019-02-08	DJCTretOUTSAt161<-ln(DJCTaprx[21:1817]/lead(DJCTaprx[21:1817], 1))[1:1796]	datDJCTretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJCTretOUTSAt161))	DJCTESHIt161<-ES(datDJCTretOUTSAt161$rev.DJCTretOUTSAt161, p=0.975, method="historical")
DJCT	162	20	1816	2019-02-09	2019-02-09	DJCTretOUTSAt162<-ln(DJCTaprx[20:1816]/lead(DJCTaprx[20:1816], 1))[1:1796]	datDJCTretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJCTretOUTSAt162))	DJCTESHIt162<-ES(datDJCTretOUTSAt162$rev.DJCTretOUTSAt162, p=0.975, method="historical")
DJCT	163	19	1815	2019-02-10	2019-02-10	DJCTretOUTSAt163<-ln(DJCTaprx[19:1815]/lead(DJCTaprx[19:1815], 1))[1:1796]	datDJCTretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJCTretOUTSAt163))	DJCTESHIt163<-ES(datDJCTretOUTSAt163$rev.DJCTretOUTSAt163, p=0.975, method="historical")
DJCT	164	18	1814	2019-02-11	2019-02-11	DJCTretOUTSAt164<-ln(DJCTaprx[18:1814]/lead(DJCTaprx[18:1814], 1))[1:1796]	datDJCTretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJCTretOUTSAt164))	DJCTESHIt164<-ES(datDJCTretOUTSAt164$rev.DJCTretOUTSAt164, p=0.975, method="historical")
DJCT	165	17	1813	2019-02-12	2019-02-12	DJCTretOUTSAt165<-ln(DJCTaprx[17:1813]/lead(DJCTaprx[17:1813], 1))[1:1796]	datDJCTretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJCTretOUTSAt165))	DJCTESHIt165<-ES(datDJCTretOUTSAt165$rev.DJCTretOUTSAt165, p=0.975, method="historical")
DJCT	166	16	1812	2019-02-13	2019-02-13	DJCTretOUTSAt166<-ln(DJCTaprx[16:1812]/lead(DJCTaprx[16:1812], 1))[1:1796]	datDJCTretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJCTretOUTSAt166))	DJCTESHIt166<-ES(datDJCTretOUTSAt166$rev.DJCTretOUTSAt166, p=0.975, method="historical")
DJCT	167	15	1811	2019-02-14	2019-02-14	DJCTretOUTSAt167<-ln(DJCTaprx[15:1811]/lead(DJCTaprx[15:1811], 1))[1:1796]	datDJCTretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJCTretOUTSAt167))	DJCTESHIt167<-ES(datDJCTretOUTSAt167$rev.DJCTretOUTSAt167, p=0.975, method="historical")
DJCT	168	14	1810	2019-02-15	2019-02-15	DJCTretOUTSAt168<-ln(DJCTaprx[14:1810]/lead(DJCTaprx[14:1810], 1))[1:1796]	datDJCTretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJCTretOUTSAt168))	DJCTESHIt168<-ES(datDJCTretOUTSAt168$rev.DJCTretOUTSAt168, p=0.975, method="historical")
DJCT	169	13	1809	2019-02-16	2019-02-16	DJCTretOUTSAt169<-ln(DJCTaprx[13:1809]/lead(DJCTaprx[13:1809], 1))[1:1796]	datDJCTretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJCTretOUTSAt169))	DJCTESHIt169<-ES(datDJCTretOUTSAt169$rev.DJCTretOUTSAt169, p=0.975, method="historical")
DJCT	170	12	1808	2019-02-17	2019-02-17	DJCTretOUTSAt170<-ln(DJCTaprx[12:1808]/lead(DJCTaprx[12:1808], 1))[1:1796]	datDJCTretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJCTretOUTSAt170))	DJCTESHIt170<-ES(datDJCTretOUTSAt170$rev.DJCTretOUTSAt170, p=0.975, method="historical")
DJCT	171	11	1807	2019-02-18	2019-02-18	DJCTretOUTSAt171<-ln(DJCTaprx[11:1807]/lead(DJCTaprx[11:1807], 1))[1:1796]	datDJCTretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJCTretOUTSAt171))	DJCTESHIt171<-ES(datDJCTretOUTSAt171$rev.DJCTretOUTSAt171, p=0.975, method="historical")
DJCT	172	10	1806	2019-02-19	2019-02-19	DJCTretOUTSAt172<-ln(DJCTaprx[10:1806]/lead(DJCTaprx[10:1806], 1))[1:1796]	datDJCTretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJCTretOUTSAt172))	DJCTESHIt172<-ES(datDJCTretOUTSAt172$rev.DJCTretOUTSAt172, p=0.975, method="historical")
DJCT	173	9	1805	2019-02-20	2019-02-20	DJCTretOUTSAt173<-ln(DJCTaprx[9:1805]/lead(DJCTaprx[9:1805], 1))[1:1796]	datDJCTretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJCTretOUTSAt173))	DJCTESHIt173<-ES(datDJCTretOUTSAt173$rev.DJCTretOUTSAt173, p=0.975, method="historical")
DJCT	174	8	1804	2019-02-21	2019-02-21	DJCTretOUTSAt174<-ln(DJCTaprx[8:1804]/lead(DJCTaprx[8:1804], 1))[1:1796]	datDJCTretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJCTretOUTSAt174))	DJCTESHIt174<-ES(datDJCTretOUTSAt174$rev.DJCTretOUTSAt174, p=0.975, method="historical")
DJCT	175	7	1803	2019-02-22	2019-02-22	DJCTretOUTSAt175<-ln(DJCTaprx[7:1803]/lead(DJCTaprx[7:1803], 1))[1:1796]	datDJCTretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJCTretOUTSAt175))	DJCTESHIt175<-ES(datDJCTretOUTSAt175$rev.DJCTretOUTSAt175, p=0.975, method="historical")
DJCT	176	6	1802	2019-02-23	2019-02-23	DJCTretOUTSAt176<-ln(DJCTaprx[6:1802]/lead(DJCTaprx[6:1802], 1))[1:1796]	datDJCTretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJCTretOUTSAt176))	DJCTESHIt176<-ES(datDJCTretOUTSAt176$rev.DJCTretOUTSAt176, p=0.975, method="historical")
DJCT	177	5	1801	2019-02-24	2019-02-24	DJCTretOUTSAt177<-ln(DJCTaprx[5:1801]/lead(DJCTaprx[5:1801], 1))[1:1796]	datDJCTretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJCTretOUTSAt177))	DJCTESHIt177<-ES(datDJCTretOUTSAt177$rev.DJCTretOUTSAt177, p=0.975, method="historical")
DJCT	178	4	1800	2019-02-25	2019-02-25	DJCTretOUTSAt178<-ln(DJCTaprx[4:1800]/lead(DJCTaprx[4:1800], 1))[1:1796]	datDJCTretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJCTretOUTSAt178))	DJCTESHIt178<-ES(datDJCTretOUTSAt178$rev.DJCTretOUTSAt178, p=0.975, method="historical")
DJCT	179	3	1799	2019-02-26	2019-02-26	DJCTretOUTSAt179<-ln(DJCTaprx[3:1799]/lead(DJCTaprx[3:1799], 1))[1:1796]	datDJCTretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJCTretOUTSAt179))	DJCTESHIt179<-ES(datDJCTretOUTSAt179$rev.DJCTretOUTSAt179, p=0.975, method="historical")
DJCT	180	2	1798	2019-02-27	2019-02-27	DJCTretOUTSAt180<-ln(DJCTaprx[2:1798]/lead(DJCTaprx[2:1798], 1))[1:1796]	datDJCTretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJCTretOUTSAt180))	DJCTESHIt180<-ES(datDJCTretOUTSAt180$rev.DJCTretOUTSAt180, p=0.975, method="historical")
DJCT	181	1	1797	2019-02-28	2019-02-28	DJCTretOUTSAt181<-ln(DJCTaprx[1:1797]/lead(DJCTaprx[1:1797], 1))[1:1796]	datDJCTretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJCTretOUTSAt181))	DJCTESHIt181<-ES(datDJCTretOUTSAt181$rev.DJCTretOUTSAt181, p=0.975, method="historical")
#DJLE								
DJLE	1	181	1977	2018-09-01	2018-09-01	DJLEretOUTSAt1<-ln(DJLEaprx[181:1977]/lead(DJLEaprx[181:1977], 1))[1:1796]	datDJLEretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJLEretOUTSAt1))	DJLEESHIt1<-ES(datDJLEretOUTSAt1$rev.DJLEretOUTSAt1, p=0.975, method="historical")
DJLE	2	180	1976	2018-09-02	2018-09-02	DJLEretOUTSAt2<-ln(DJLEaprx[180:1976]/lead(DJLEaprx[180:1976], 1))[1:1796]	datDJLEretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJLEretOUTSAt2))	DJLEESHIt2<-ES(datDJLEretOUTSAt2$rev.DJLEretOUTSAt2, p=0.975, method="historical")
DJLE	3	179	1975	2018-09-03	2018-09-03	DJLEretOUTSAt3<-ln(DJLEaprx[179:1975]/lead(DJLEaprx[179:1975], 1))[1:1796]	datDJLEretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJLEretOUTSAt3))	DJLEESHIt3<-ES(datDJLEretOUTSAt3$rev.DJLEretOUTSAt3, p=0.975, method="historical")
DJLE	4	178	1974	2018-09-04	2018-09-04	DJLEretOUTSAt4<-ln(DJLEaprx[178:1974]/lead(DJLEaprx[178:1974], 1))[1:1796]	datDJLEretOUTSAt4<- data

DJLE	61	121	1917	2018-10-31	2018-10-31	DJLEretOUTSAt61<-ln(DJLEaprx[121:1917]/lead(DJLEaprx[121:1917], 1))[1:1796]	datDJLEretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJLEretOUTSAt61))	DJLEESHIt61<-ES(datDJLEretOUTSAt61$rev.DJLEretOUTSAt61, p=0.975, method="historical")
DJLE	62	120	1916	2018-11-01	2018-11-01	DJLEretOUTSAt62<-ln(DJLEaprx[120:1916]/lead(DJLEaprx[120:1916], 1))[1:1796]	datDJLEretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJLEretOUTSAt62))	DJLEESHIt62<-ES(datDJLEretOUTSAt62$rev.DJLEretOUTSAt62, p=0.975, method="historical")
DJLE	63	119	1915	2018-11-02	2018-11-02	DJLEretOUTSAt63<-ln(DJLEaprx[119:1915]/lead(DJLEaprx[119:1915], 1))[1:1796]	datDJLEretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJLEretOUTSAt63))	DJLEESHIt63<-ES(datDJLEretOUTSAt63$rev.DJLEretOUTSAt63, p=0.975, method="historical")
DJLE	64	118	1914	2018-11-03	2018-11-03	DJLEretOUTSAt64<-ln(DJLEaprx[118:1914]/lead(DJLEaprx[118:1914], 1))[1:1796]	datDJLEretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJLEretOUTSAt64))	DJLEESHIt64<-ES(datDJLEretOUTSAt64$rev.DJLEretOUTSAt64, p=0.975, method="historical")
DJLE	65	117	1913	2018-11-04	2018-11-04	DJLEretOUTSAt65<-ln(DJLEaprx[117:1913]/lead(DJLEaprx[117:1913], 1))[1:1796]	datDJLEretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJLEretOUTSAt65))	DJLEESHIt65<-ES(datDJLEretOUTSAt65$rev.DJLEretOUTSAt65, p=0.975, method="historical")
DJLE	66	116	1912	2018-11-05	2018-11-05	DJLEretOUTSAt66<-ln(DJLEaprx[116:1912]/lead(DJLEaprx[116:1912], 1))[1:1796]	datDJLEretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJLEretOUTSAt66))	DJLEESHIt66<-ES(datDJLEretOUTSAt66$rev.DJLEretOUTSAt66, p=0.975, method="historical")
DJLE	67	115	1911	2018-11-06	2018-11-06	DJLEretOUTSAt67<-ln(DJLEaprx[115:1911]/lead(DJLEaprx[115:1911], 1))[1:1796]	datDJLEretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJLEretOUTSAt67))	DJLEESHIt67<-ES(datDJLEretOUTSAt67$rev.DJLEretOUTSAt67, p=0.975, method="historical")
DJLE	68	114	1910	2018-11-07	2018-11-07	DJLEretOUTSAt68<-ln(DJLEaprx[114:1910]/lead(DJLEaprx[114:1910], 1))[1:1796]	datDJLEretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJLEretOUTSAt68))	DJLEESHIt68<-ES(datDJLEretOUTSAt68$rev.DJLEretOUTSAt68, p=0.975, method="historical")
DJLE	69	113	1909	2018-11-08	2018-11-08	DJLEretOUTSAt69<-ln(DJLEaprx[113:1909]/lead(DJLEaprx[113:1909], 1))[1:1796]	datDJLEretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJLEretOUTSAt69))	DJLEESHIt69<-ES(datDJLEretOUTSAt69$rev.DJLEretOUTSAt69, p=0.975, method="historical")
DJLE	70	112	1908	2018-11-09	2018-11-09	DJLEretOUTSAt70<-ln(DJLEaprx[112:1908]/lead(DJLEaprx[112:1908], 1))[1:1796]	datDJLEretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJLEretOUTSAt70))	DJLEESHIt70<-ES(datDJLEretOUTSAt70$rev.DJLEretOUTSAt70, p=0.975, method="historical")
DJLE	71	111	1907	2018-11-10	2018-11-10	DJLEretOUTSAt71<-ln(DJLEaprx[111:1907]/lead(DJLEaprx[111:1907], 1))[1:1796]	datDJLEretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJLEretOUTSAt71))	DJLEESHIt71<-ES(datDJLEretOUTSAt71$rev.DJLEretOUTSAt71, p=0.975, method="historical")
DJLE	72	110	1906	2018-11-11	2018-11-11	DJLEretOUTSAt72<-ln(DJLEaprx[110:1906]/lead(DJLEaprx[110:1906], 1))[1:1796]	datDJLEretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJLEretOUTSAt72))	DJLEESHIt72<-ES(datDJLEretOUTSAt72$rev.DJLEretOUTSAt72, p=0.975, method="historical")
DJLE	73	109	1905	2018-11-12	2018-11-12	DJLEretOUTSAt73<-ln(DJLEaprx[109:1905]/lead(DJLEaprx[109:1905], 1))[1:1796]	datDJLEretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJLEretOUTSAt73))	DJLEESHIt73<-ES(datDJLEretOUTSAt73$rev.DJLEretOUTSAt73, p=0.975, method="historical")
DJLE	74	108	1904	2018-11-13	2018-11-13	DJLEretOUTSAt74<-ln(DJLEaprx[108:1904]/lead(DJLEaprx[108:1904], 1))[1:1796]	datDJLEretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJLEretOUTSAt74))	DJLEESHIt74<-ES(datDJLEretOUTSAt74$rev.DJLEretOUTSAt74, p=0.975, method="historical")
DJLE	75	107	1903	2018-11-14	2018-11-14	DJLEretOUTSAt75<-ln(DJLEaprx[107:1903]/lead(DJLEaprx[107:1903], 1))[1:1796]	datDJLEretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJLEretOUTSAt75))	DJLEESHIt75<-ES(datDJLEretOUTSAt75$rev.DJLEretOUTSAt75, p=0.975, method="historical")
DJLE	76	106	1902	2018-11-15	2018-11-15	DJLEretOUTSAt76<-ln(DJLEaprx[106:1902]/lead(DJLEaprx[106:1902], 1))[1:1796]	datDJLEretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJLEretOUTSAt76))	DJLEESHIt76<-ES(datDJLEretOUTSAt76$rev.DJLEretOUTSAt76, p=0.975, method="historical")
DJLE	77	105	1901	2018-11-16	2018-11-16	DJLEretOUTSAt77<-ln(DJLEaprx[105:1901]/lead(DJLEaprx[105:1901], 1))[1:1796]	datDJLEretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJLEretOUTSAt77))	DJLEESHIt77<-ES(datDJLEretOUTSAt77$rev.DJLEretOUTSAt77, p=0.975, method="historical")
DJLE	78	104	1900	2018-11-17	2018-11-17	DJLEretOUTSAt78<-ln(DJLEaprx[104:1900]/lead(DJLEaprx[104:1900], 1))[1:1796]	datDJLEretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJLEretOUTSAt78))	DJLEESHIt78<-ES(datDJLEretOUTSAt78$rev.DJLEretOUTSAt78, p=0.975, method="historical")
DJLE	79	103	1899	2018-11-18	2018-11-18	DJLEretOUTSAt79<-ln(DJLEaprx[103:1899]/lead(DJLEaprx[103:1899], 1))[1:1796]	datDJLEretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJLEretOUTSAt79))	DJLEESHIt79<-ES(datDJLEretOUTSAt79$rev.DJLEretOUTSAt79, p=0.975, method="historical")
DJLE	80	102	1898	2018-11-19	2018-11-19	DJLEretOUTSAt80<-ln(DJLEaprx[102:1898]/lead(DJLEaprx[102:1898], 1))[1:1796]	datDJLEretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJLEretOUTSAt80))	DJLEESHIt80<-ES(datDJLEretOUTSAt80$rev.DJLEretOUTSAt80, p=0.975, method="historical")
DJLE	81	101	1897	2018-11-20	2018-11-20	DJLEretOUTSAt81<-ln(DJLEaprx[101:1897]/lead(DJLEaprx[101:1897], 1))[1:1796]	datDJLEretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJLEretOUTSAt81))	DJLEESHIt81<-ES(datDJLEretOUTSAt81$rev.DJLEretOUTSAt81, p=0.975, method="historical")
DJLE	82	100	1896	2018-11-21	2018-11-21	DJLEretOUTSAt82<-ln(DJLEaprx[100:1896]/lead(DJLEaprx[100:1896], 1))[1:1796]	datDJLEretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJLEretOUTSAt82))	DJLEESHIt82<-ES(datDJLEretOUTSAt82$rev.DJLEretOUTSAt82, p=0.975, method="historical")
DJLE	83	99	1895	2018-11-22	2018-11-22	DJLEretOUTSAt83<-ln(DJLEaprx[99:1895]/lead(DJLEaprx[99:1895], 1))[1:1796]	datDJLEretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJLEretOUTSAt83))	DJLEESHIt83<-ES(datDJLEretOUTSAt83$rev.DJLEretOUTSAt83, p=0.975, method="historical")
DJLE	84	98	1894	2018-11-23	2018-11-23	DJLEretOUTSAt84<-ln(DJLEaprx[98:1894]/lead(DJLEaprx[98:1894], 1))[1:1796]	datDJLEretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJLEretOUTSAt84))	DJLEESHIt84<-ES(datDJLEretOUTSAt84$rev.DJLEretOUTSAt84, p=0.975, method="historical")
DJLE	85	97	1893	2018-11-24	2018-11-24	DJLEretOUTSAt85<-ln(DJLEaprx[97:1893]/lead(DJLEaprx[97:1893], 1))[1:1796]	datDJLEretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJLEretOUTSAt85))	DJLEESHIt85<-ES(datDJLEretOUTSAt85$rev.DJLEretOUTSAt85, p=0.975, method="historical")
DJLE	86	96	1892	2018-11-25	2018-11-25	DJLEretOUTSAt86<-ln(DJLEaprx[96:1892]/lead(DJLEaprx[96:1892], 1))[1:1796]	datDJLEretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJLEretOUTSAt86))	DJLEESHIt86<-ES(datDJLEretOUTSAt86$rev.DJLEretOUTSAt86, p=0.975, method="historical")
DJLE	87	95	1891	2018-11-26	2018-11-26	DJLEretOUTSAt87<-ln(DJLEaprx[95:1891]/lead(DJLEaprx[95:1891], 1))[1:1796]	datDJLEretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJLEretOUTSAt87))	DJLEESHIt87<-ES(datDJLEretOUTSAt87$rev.DJLEretOUTSAt87, p=0.975, method="historical")
DJLE	88	94	1890	2018-11-27	2018-11-27	DJLEretOUTSAt88<-ln(DJLEaprx[94:1890]/lead(DJLEaprx[94:1890], 1))[1:1796]	datDJLEretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJLEretOUTSAt88))	DJLEESHIt88<-ES(datDJLEretOUTSAt88$rev.DJLEretOUTSAt88, p=0.975, method="historical")
DJLE	89	93	1889	2018-11-28	2018-11-28	DJLEretOUTSAt89<-ln(DJLEaprx[93:1889]/lead(DJLEaprx[93:1889], 1))[1:1796]	datDJLEretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJLEretOUTSAt89))	DJLEESHIt89<-ES(datDJLEretOUTSAt89$rev.DJLEretOUTSAt89, p=0.975, method="historical")
DJLE	90	92	1888	2018-11-29	2018-11-29	DJLEretOUTSAt90<-ln(DJLEaprx[92:1888]/lead(DJLEaprx[92:1888], 1))[1:1796]	datDJLEretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJLEretOUTSAt90))	DJLEESHIt90<-ES(datDJLEretOUTSAt90$rev.DJLEretOUTSAt90, p=0.975, method="historical")
DJLE	91	91	1887	2018-11-30	2018-11-30	DJLEretOUTSAt91<-ln(DJLEaprx[91:1887]/lead(DJLEaprx[91:1887], 1))[1:1796]	datDJLEretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJLEretOUTSAt91))	DJLEESHIt91<-ES(datDJLEretOUTSAt91$rev.DJLEretOUTSAt91, p=0.975, method="historical")
DJLE	92	90	1886	2018-12-01	2018-12-01	DJLEretOUTSAt92<-ln(DJLEaprx[90:1886]/lead(DJLEaprx[90:1886], 1))[1:1796]	datDJLEretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJLEretOUTSAt92))	DJLEESHIt92<-ES(datDJLEretOUTSAt92$rev.DJLEretOUTSAt92, p=0.975, method="historical")
DJLE	93	89	1885	2018-12-02	2018-12-02	DJLEretOUTSAt93<-ln(DJLEaprx[89:1885]/lead(DJLEaprx[89:1885], 1))[1:1796]	datDJLEretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJLEretOUTSAt93))	DJLEESHIt93<-ES(datDJLEretOUTSAt93$rev.DJLEretOUTSAt93, p=0.975, method="historical")
DJLE	94	88	1884	2018-12-03	2018-12-03	DJLEretOUTSAt94<-ln(DJLEaprx[88:1884]/lead(DJLEaprx[88:1884], 1))[1:1796]	datDJLEretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJLEretOUTSAt94))	DJLEESHIt94<-ES(datDJLEretOUTSAt94$rev.DJLEretOUTSAt94, p=0.975, method="historical")
DJLE	95	87	1883	2018-12-04	2018-12-04	DJLEretOUTSAt95<-ln(DJLEaprx[87:1883]/lead(DJLEaprx[87:1883], 1))[1:1796]	datDJLEretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJLEretOUTSAt95))	DJLEESHIt95<-ES(datDJLEretOUTSAt95$rev.DJLEretOUTSAt95, p=0.975, method="historical")
DJLE	96	86	1882	2018-12-05	2018-12-05	DJLEretOUTSAt96<-ln(DJLEaprx[86:1882]/lead(DJLEaprx[86:1882], 1))[1:1796]	datDJLEretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJLEretOUTSAt96))	DJLEESHIt96<-ES(datDJLEretOUTSAt96$rev.DJLEretOUTSAt96, p=0.975, method="historical")
DJLE	97	85	1881	2018-12-06	2018-12-06	DJLEretOUTSAt97<-ln(DJLEaprx[85:1881]/lead(DJLEaprx[85:1881], 1))[1:1796]	datDJLEretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJLEretOUTSAt97))	DJLEESHIt97<-ES(datDJLEretOUTSAt97$rev.DJLEretOUTSAt97, p=0.975, method="historical")
DJLE	98	84	1880	2018-12-07	2018-12-07	DJLEretOUTSAt98<-ln(DJLEaprx[84:1880]/lead(DJLEaprx[84:1880], 1))[1:1796]	datDJLEretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJLEretOUTSAt98))	DJLEESHIt98<-ES(datDJLEretOUTSAt98$rev.DJLEretOUTSAt98, p=0.975, method="historical")
DJLE	99	83	1879	2018-12-08	2018-12-08	DJLEretOUTSAt99<-ln(DJLEaprx[83:1879]/lead(DJLEaprx[83:1879], 1))[1:1796]	datDJLEretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJLEretOUTSAt99))	DJLEESHIt99<-ES(datDJLEretOUTSAt99$rev.DJLEretOUTSAt99, p=0.975, method="historical")
DJLE	100	82	1878	2018-12-09	2018-12-09	DJLEretOUTSAt100<-ln(DJLEaprx[82:1878]/lead(DJLEaprx[82:1878], 1))[1:1796]	datDJLEretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJLEretOUTSAt100))	DJLEESHIt100<-ES(datDJLEretOUTSAt100$rev.DJLEretOUTSAt100, p=0.975, method="historical")
DJLE	101	81	1877	2018-12-10	2018-12-10	DJLEretOUTSAt101<-ln(DJLEaprx[81:1877]/lead(DJLEaprx[81:1877], 1))[1:1796]	datDJLEretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJLEretOUTSAt101))	DJLEESHIt101<-ES(datDJLEretOUTSAt101$rev.DJLEretOUTSAt101, p=0.975, method="historical")
DJLE	102	80	1876	2018-12-11	2018-12-11	DJLEretOUTSAt102<-ln(DJLEaprx[80:1876]/lead(DJLEaprx[80:1876], 1))[1:1796]	datDJLEretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJLEretOUTSAt102))	DJLEESHIt102<-ES(datDJLEretOUTSAt102$rev.DJLEretOUTSAt102, p=0.975, method="historical")
DJLE	103	79	1875	2018-12-12	2018-12-12	DJLEretOUTSAt103<-ln(DJLEaprx[79:1875]/lead(DJLEaprx[79:1875], 1))[1:1796]	datDJLEretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJLEretOUTSAt103))	DJLEESHIt103<-ES(datDJLEretOUTSAt103$rev.DJLEretOUTSAt103, p=0.975, method="historical")
DJLE	104	78	1874	2018-12-13	2018-12-13	DJLEretOUTSAt104<-ln(DJLEaprx[78:1874]/lead(DJLEaprx[78:1874], 1))[1:1796]	datDJLEretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJLEretOUTSAt104))	DJLEESHIt104<-ES(datDJLEretOUTSAt104$rev.DJLEretOUTSAt104, p=0.975, method="historical")
DJLE	105	77	1873	2018-12-14	2018-12-14	DJLEretOUTSAt105<-ln(DJLEaprx[77:1873]/lead(DJLEaprx[77:1873], 1))[1:1796]	datDJLEretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJLEretOUTSAt105))	DJLEESHIt105<-ES(datDJLEretOUTSAt105$rev.DJLEretOUTSAt105, p=0.975, method="historical")
DJLE	106	76	1872	2018-12-15	2018-12-15	DJLEretOUTSAt106<-ln(DJLEaprx[76:1872]/lead(DJLEaprx[76:1872], 1))[1:1796]	datDJLEretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJLEretOUTSAt106))	DJLEESHIt106<-ES(datDJLEretOUTSAt106$rev.DJLEretOUTSAt106, p=0.975, method="historical")
DJLE	107	75	1871	2018-12-16	2018-12-16	DJLEretOUTSAt107<-ln(DJLEaprx[75:1871]/lead(DJLEaprx[75:1871], 1))[1:1796]	datDJLEretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJLEretOUTSAt107))	DJLEESHIt107<-ES(datDJLEretOUTSAt107$rev.DJLEretOUTSAt107, p=0.975, method="historical")
DJLE	108	74	1870	2018-12-17	2018-12-17	DJLEretOUTSAt108<-ln(DJLEaprx[74:1870]/lead(DJLEaprx[74:1870], 1))[1:1796]	datDJLEretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJLEretOUTSAt108))	DJLEESHIt108<-ES(datDJLEretOUTSAt108$rev.DJLEretOUTSAt108, p=0.975, method="historical")
DJLE	109	73	1869	2018-12-18	2018-12-18	DJLEretOUTSAt109<-ln(DJLEaprx[73:1869]/lead(DJLEaprx[73:1869], 1))[1:1796]	datDJLEretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJLEretOUTSAt109))	DJLEESHIt109<-ES(datDJLEretOUTSAt109$rev.DJLEretOUTSAt109, p=0.975, method="historical")
DJLE	110	72	1868	2018-12-19	2018-12-19	DJLEretOUTSAt110<-ln(DJLEaprx[72:1868]/lead(DJLEaprx[72:1868], 1))[1:1796]	datDJLEretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJLEretOUTSAt110))	DJLEESHIt110<-ES(datDJLEretOUTSAt110$rev.DJLEretOUTSAt110, p=0.975, method="historical")
DJLE	111	71	1867	2018-12-20	2018-12-20	DJLEretOUTSAt111<-ln(DJLEaprx[71:1867]/lead(DJLEaprx[71:1867], 1))[1:1796]	datDJLEretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJLEretOUTSAt111))	DJLEESHIt111<-ES(datDJLEretOUTSAt111$rev.DJLEretOUTSAt111, p=0.975, method="historical")
DJLE	112	70	1866	2018-12-21	2018-12-21	DJLEretOUTSAt112<-ln(DJLEaprx[70:1866]/lead(DJLEaprx[70:1866], 1))[1:1796]	datDJLEretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJLEretOUTSAt112))	DJLEESHIt112<-ES(datDJLEretOUTSAt112$rev.DJLEretOUTSAt112, p=0.975, method="historical")
DJLE	113	69	1865	2018-12-22	2018-12-22	DJLEretOUTSAt113<-ln(DJLEaprx[69:1865]/lead(DJLEaprx[69:1865], 1))[1:1796]	datDJLEretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJLEretOUTSAt113))	DJLEESHIt113<-ES(datDJLEretOUTSAt113$rev.DJLEretOUTSAt113, p=0.975, method="historical")
DJLE	114	68	1864	2018-12-23	2018-12-23	DJLEretOUTSAt114<-ln(DJLEaprx[68:1864]/lead(DJLEaprx[68:1864], 1))[1:1796]	datDJLEretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJLEretOUTSAt114))	DJLEESHIt114<-ES(datDJLEretOUTSAt114$rev.DJLEretOUTSAt114, p=0.975, method="historical")
DJLE	115	67	1863	2018-12-24	2018-12-24	DJLEretOUTSAt115<-ln(DJLEaprx[67:1863]/lead(DJLEaprx[67:1863], 1))[1:1796]	datDJLEretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJLEretOUTSAt115))	DJLEESHIt115<-ES(datDJLEretOUTSAt115$rev.DJLEretOUTSAt115, p=0.975, method="historical")
DJLE	116	66	1862	2018-12-25	2018-12-25	DJLEretOUTSAt116<-ln(DJLEaprx[66:1862]/lead(DJLEaprx[66:1862], 1))[1:1796]	datDJLEretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJLEretOUTSAt116))	DJLEESHIt116<-ES(datDJLEretOUTSAt116$rev.DJLEretOUTSAt116, p=0.975, method="historical")
DJLE	117	65	1861	2018-12-26	2018-12-26	DJLEretOUTSAt117<-ln(DJLEaprx[65:1861]/lead(DJLEaprx[65:1861], 1))[1:1796]	datDJLEretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJLEretOUTSAt117))	DJLEESHIt117<-ES(datDJLEretOUTSAt117$rev.DJLEretOUTSAt117, p=0.975, method="historical")
DJLE	118	64	1860	2018-12-27	2018-12-27	DJLEretOUTSAt118<-ln(DJLEaprx[64:1860]/lead(DJLEaprx[64:1860], 1))[1:1796]	datDJLEretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJLEretOUTSAt118))	DJLEESHIt118<-ES(datDJLEretOUTSAt118$rev.DJLEretOUTSAt118, p=0.975, method="historical")
DJLE	119	63	1859	2018-12-28	2018-12-28	DJLEretOUTSAt119<-ln(DJLEaprx[63:1859]/lead(DJLEaprx[63:1859], 1))[1:1796]	datDJLEretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJLEretOUTSAt119))	DJLEESHIt119<-ES(datDJLEretOUTSAt119$rev.DJLEretOUTSAt119, p=0.975, method="historical")
DJLE	120	62	1858	2018-12-29	2018-12-29	DJLEretOUTSAt120<-ln(DJLEaprx[62:1858]/lead(DJLEaprx[62:1858], 1))[1:1796]	datDJLEretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJLEretOUTSAt120))	DJLEESHIt120<-ES(datDJLEretOUTSAt120$rev.DJLEretOUTSAt120, p=0.975, method="historical")
DJLE	121	61	1857	2018-12-30	2018-12-30	DJLEretOUTSAt121<-ln(DJLEaprx[61:1857]/lead(DJLEaprx[61:1857], 1))[1:1796]	datDJLEretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJLEretOUTSAt121))	DJLEESHIt121<-ES(datDJLEretOUTSAt121$rev.DJLEretOUTSAt121, p=0.975, method="historical")
DJLE	122	60	1856	2018-12-31	2018-12-31	DJLEretOUTSAt122<-ln(DJLEaprx[60:1856]/lead(DJLEaprx[60:1856], 1))[1:1796]	datDJLEretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJLEretOUTSAt122))	DJLEESHIt122<-ES(datDJLEretOUTSAt122$rev.DJLEretOUTSAt122, p=0.975, method="historical")
DJLE	123	59	1855	2019-01-01	2019-01-01	DJLEretOUTSAt123<-ln(DJLEaprx[59:1855]/lead(DJLEaprx[59:1855], 1))[1:1796]	datDJLEretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJLEretOUTSAt123))	DJLEESHIt123<-ES(datDJLEretOUTSAt123$rev.DJLEretOUTSAt123, p=0.975, method="historical")
DJLE	124	58	1854	2019-01-02	2019-01-02	DJLEretOUTSAt124<-ln(DJLEaprx[58:1854]/lead(DJLEaprx[58:1854], 1))[1:1796]	datDJLEretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJLEretOUTSAt124))	DJLEESHIt124<-ES(datDJLEretOUTSAt124$rev.DJLEretOUTSAt124, p=0.975, method="historical")
DJLE	125	57	1853	2019-01-03	2019-01-03	DJLEretOUTSAt125<-ln(DJLEaprx[57:1853]/lead(DJLEaprx[57:1853], 1))[1:1796]	datDJLEretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJLEretOUTSAt125))	DJLEESHIt125<-ES(datDJLEretOUTSAt125$rev.DJLEretOUTSAt125, p=0.975, method="historical")
DJLE	126	56	1852	2019-01-04	2019-01-04	DJLEretOUTSAt126<-ln(DJLEaprx[56:1852]/lead(DJLEaprx[56:1852], 1))[1:1796]	datDJLEretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJLEretOUTSAt126))	DJLEESHIt126<-ES(datDJLEretOUTSAt126$rev.DJLEretOUTSAt126, p=0.975, method="historical")
DJLE	127	55	1851	2019-01-05	2019-01-05	DJLEretOUTSAt127<-ln(DJLEaprx[55:1851]/lead(DJLEaprx[55:1851], 1))[1:1796]	datDJLEretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJLEretOUTSAt127))	DJLEESHIt127<-ES(datDJLEretOUTSAt127$rev.DJLEretOUTSAt127, p=0.975, method="historical")
DJLE	128	54	1850	2019-01-06	2019-01-06	DJLEretOUTSAt128<-ln(DJLEaprx[54:1850]/lead(DJLEaprx[54:1850], 1))[1:1796]	datDJLEretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJLEretOUTSAt128))	DJLEESHIt128<-ES(datDJLEretOUTSAt128$rev.DJLEretOUTSAt128, p=0.975, method="historical")
DJLE	129	53	1849	2019-01-07	2019-01-07	DJLEretOUTSAt129<-ln(DJLEaprx[53:1849]/lead(DJLEaprx[53:1849], 1))[1:1796]	datDJLEretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJLEretOUTSAt129))	DJLEESHIt129<-ES(datDJLEretOUTSAt129$rev.DJLEretOUTSAt129, p=0.975, method="historical")
DJLE	130	52	1848	2019-01-08	2019-01-08	DJLEretOUTSAt130<-ln(DJLEaprx[52:1848]/lead(DJLEaprx[52:1848], 1))[1:1796]	datDJLEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJLEretOUTSAt130))	DJLEESHIt130<-ES(datDJLEretOUTSAt130$rev.DJLEretOUTSAt130, p=0.975, method="historical")
DJLE	131	51	1847	2019-01-09	2019-01-09	DJLEretOUTSAt131<-ln(DJLEaprx[51:1847]/lead(DJLEaprx[51:1847], 1))[1:1796]	datDJLEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date

DJGO	136	46	1842	2019-01-14	2019-01-14	DJGOretOUTSAt136<-ln(DJGOaprx[46:1842]/lead(DJGOaprx[46:1842], 1))[1:1796]	datDJGOretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJGOretOUTSAt136))	DJGOESHIt136<-ES(datDJGOretOUTSAt136$rev,DJGOretOUTSAt136, p=0.975, method="historical")
DJGO	137	45	1841	2019-01-15	2019-01-15	DJGOretOUTSAt137<-ln(DJGOaprx[45:1841]/lead(DJGOaprx[45:1841], 1))[1:1796]	datDJGOretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJGOretOUTSAt137))	DJGOESHIt137<-ES(datDJGOretOUTSAt137$rev,DJGOretOUTSAt137, p=0.975, method="historical")
DJGO	138	44	1840	2019-01-16	2019-01-16	DJGOretOUTSAt138<-ln(DJGOaprx[44:1840]/lead(DJGOaprx[44:1840], 1))[1:1796]	datDJGOretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJGOretOUTSAt138))	DJGOESHIt138<-ES(datDJGOretOUTSAt138$rev,DJGOretOUTSAt138, p=0.975, method="historical")
DJGO	139	43	1839	2019-01-17	2019-01-17	DJGOretOUTSAt139<-ln(DJGOaprx[43:1839]/lead(DJGOaprx[43:1839], 1))[1:1796]	datDJGOretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJGOretOUTSAt139))	DJGOESHIt139<-ES(datDJGOretOUTSAt139$rev,DJGOretOUTSAt139, p=0.975, method="historical")
DJGO	140	42	1838	2019-01-18	2019-01-18	DJGOretOUTSAt140<-ln(DJGOaprx[42:1838]/lead(DJGOaprx[42:1838], 1))[1:1796]	datDJGOretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJGOretOUTSAt140))	DJGOESHIt140<-ES(datDJGOretOUTSAt140$rev,DJGOretOUTSAt140, p=0.975, method="historical")
DJGO	141	41	1837	2019-01-19	2019-01-19	DJGOretOUTSAt141<-ln(DJGOaprx[41:1837]/lead(DJGOaprx[41:1837], 1))[1:1796]	datDJGOretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJGOretOUTSAt141))	DJGOESHIt141<-ES(datDJGOretOUTSAt141$rev,DJGOretOUTSAt141, p=0.975, method="historical")
DJGO	142	40	1836	2019-01-20	2019-01-20	DJGOretOUTSAt142<-ln(DJGOaprx[40:1836]/lead(DJGOaprx[40:1836], 1))[1:1796]	datDJGOretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJGOretOUTSAt142))	DJGOESHIt142<-ES(datDJGOretOUTSAt142$rev,DJGOretOUTSAt142, p=0.975, method="historical")
DJGO	143	39	1835	2019-01-21	2019-01-21	DJGOretOUTSAt143<-ln(DJGOaprx[39:1835]/lead(DJGOaprx[39:1835], 1))[1:1796]	datDJGOretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJGOretOUTSAt143))	DJGOESHIt143<-ES(datDJGOretOUTSAt143$rev,DJGOretOUTSAt143, p=0.975, method="historical")
DJGO	144	38	1834	2019-01-22	2019-01-22	DJGOretOUTSAt144<-ln(DJGOaprx[38:1834]/lead(DJGOaprx[38:1834], 1))[1:1796]	datDJGOretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJGOretOUTSAt144))	DJGOESHIt144<-ES(datDJGOretOUTSAt144$rev,DJGOretOUTSAt144, p=0.975, method="historical")
DJGO	145	37	1833	2019-01-23	2019-01-23	DJGOretOUTSAt145<-ln(DJGOaprx[37:1833]/lead(DJGOaprx[37:1833], 1))[1:1796]	datDJGOretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJGOretOUTSAt145))	DJGOESHIt145<-ES(datDJGOretOUTSAt145$rev,DJGOretOUTSAt145, p=0.975, method="historical")
DJGO	146	36	1832	2019-01-24	2019-01-24	DJGOretOUTSAt146<-ln(DJGOaprx[36:1832]/lead(DJGOaprx[36:1832], 1))[1:1796]	datDJGOretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJGOretOUTSAt146))	DJGOESHIt146<-ES(datDJGOretOUTSAt146$rev,DJGOretOUTSAt146, p=0.975, method="historical")
DJGO	147	35	1831	2019-01-25	2019-01-25	DJGOretOUTSAt147<-ln(DJGOaprx[35:1831]/lead(DJGOaprx[35:1831], 1))[1:1796]	datDJGOretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJGOretOUTSAt147))	DJGOESHIt147<-ES(datDJGOretOUTSAt147$rev,DJGOretOUTSAt147, p=0.975, method="historical")
DJGO	148	34	1830	2019-01-26	2019-01-26	DJGOretOUTSAt148<-ln(DJGOaprx[34:1830]/lead(DJGOaprx[34:1830], 1))[1:1796]	datDJGOretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJGOretOUTSAt148))	DJGOESHIt148<-ES(datDJGOretOUTSAt148$rev,DJGOretOUTSAt148, p=0.975, method="historical")
DJGO	149	33	1829	2019-01-27	2019-01-27	DJGOretOUTSAt149<-ln(DJGOaprx[33:1829]/lead(DJGOaprx[33:1829], 1))[1:1796]	datDJGOretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJGOretOUTSAt149))	DJGOESHIt149<-ES(datDJGOretOUTSAt149$rev,DJGOretOUTSAt149, p=0.975, method="historical")
DJGO	150	32	1828	2019-01-28	2019-01-28	DJGOretOUTSAt150<-ln(DJGOaprx[32:1828]/lead(DJGOaprx[32:1828], 1))[1:1796]	datDJGOretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJGOretOUTSAt150))	DJGOESHIt150<-ES(datDJGOretOUTSAt150$rev,DJGOretOUTSAt150, p=0.975, method="historical")
DJGO	151	31	1827	2019-01-29	2019-01-29	DJGOretOUTSAt151<-ln(DJGOaprx[31:1827]/lead(DJGOaprx[31:1827], 1))[1:1796]	datDJGOretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJGOretOUTSAt151))	DJGOESHIt151<-ES(datDJGOretOUTSAt151$rev,DJGOretOUTSAt151, p=0.975, method="historical")
DJGO	152	30	1826	2019-01-30	2019-01-30	DJGOretOUTSAt152<-ln(DJGOaprx[30:1826]/lead(DJGOaprx[30:1826], 1))[1:1796]	datDJGOretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJGOretOUTSAt152))	DJGOESHIt152<-ES(datDJGOretOUTSAt152$rev,DJGOretOUTSAt152, p=0.975, method="historical")
DJGO	153	29	1825	2019-01-31	2019-01-31	DJGOretOUTSAt153<-ln(DJGOaprx[29:1825]/lead(DJGOaprx[29:1825], 1))[1:1796]	datDJGOretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJGOretOUTSAt153))	DJGOESHIt153<-ES(datDJGOretOUTSAt153$rev,DJGOretOUTSAt153, p=0.975, method="historical")
DJGO	154	28	1824	2019-02-01	2019-02-01	DJGOretOUTSAt154<-ln(DJGOaprx[28:1824]/lead(DJGOaprx[28:1824], 1))[1:1796]	datDJGOretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJGOretOUTSAt154))	DJGOESHIt154<-ES(datDJGOretOUTSAt154$rev,DJGOretOUTSAt154, p=0.975, method="historical")
DJGO	155	27	1823	2019-02-02	2019-02-02	DJGOretOUTSAt155<-ln(DJGOaprx[27:1823]/lead(DJGOaprx[27:1823], 1))[1:1796]	datDJGOretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJGOretOUTSAt155))	DJGOESHIt155<-ES(datDJGOretOUTSAt155$rev,DJGOretOUTSAt155, p=0.975, method="historical")
DJGO	156	26	1822	2019-02-03	2019-02-03	DJGOretOUTSAt156<-ln(DJGOaprx[26:1822]/lead(DJGOaprx[26:1822], 1))[1:1796]	datDJGOretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJGOretOUTSAt156))	DJGOESHIt156<-ES(datDJGOretOUTSAt156$rev,DJGOretOUTSAt156, p=0.975, method="historical")
DJGO	157	25	1821	2019-02-04	2019-02-04	DJGOretOUTSAt157<-ln(DJGOaprx[25:1821]/lead(DJGOaprx[25:1821], 1))[1:1796]	datDJGOretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJGOretOUTSAt157))	DJGOESHIt157<-ES(datDJGOretOUTSAt157$rev,DJGOretOUTSAt157, p=0.975, method="historical")
DJGO	158	24	1820	2019-02-05	2019-02-05	DJGOretOUTSAt158<-ln(DJGOaprx[24:1820]/lead(DJGOaprx[24:1820], 1))[1:1796]	datDJGOretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJGOretOUTSAt158))	DJGOESHIt158<-ES(datDJGOretOUTSAt158$rev,DJGOretOUTSAt158, p=0.975, method="historical")
DJGO	159	23	1819	2019-02-06	2019-02-06	DJGOretOUTSAt159<-ln(DJGOaprx[23:1819]/lead(DJGOaprx[23:1819], 1))[1:1796]	datDJGOretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJGOretOUTSAt159))	DJGOESHIt159<-ES(datDJGOretOUTSAt159$rev,DJGOretOUTSAt159, p=0.975, method="historical")
DJGO	160	22	1818	2019-02-07	2019-02-07	DJGOretOUTSAt160<-ln(DJGOaprx[22:1818]/lead(DJGOaprx[22:1818], 1))[1:1796]	datDJGOretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJGOretOUTSAt160))	DJGOESHIt160<-ES(datDJGOretOUTSAt160$rev,DJGOretOUTSAt160, p=0.975, method="historical")
DJGO	161	21	1817	2019-02-08	2019-02-08	DJGOretOUTSAt161<-ln(DJGOaprx[21:1817]/lead(DJGOaprx[21:1817], 1))[1:1796]	datDJGOretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJGOretOUTSAt161))	DJGOESHIt161<-ES(datDJGOretOUTSAt161$rev,DJGOretOUTSAt161, p=0.975, method="historical")
DJGO	162	20	1816	2019-02-09	2019-02-09	DJGOretOUTSAt162<-ln(DJGOaprx[20:1816]/lead(DJGOaprx[20:1816], 1))[1:1796]	datDJGOretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJGOretOUTSAt162))	DJGOESHIt162<-ES(datDJGOretOUTSAt162$rev,DJGOretOUTSAt162, p=0.975, method="historical")
DJGO	163	19	1815	2019-02-10	2019-02-10	DJGOretOUTSAt163<-ln(DJGOaprx[19:1815]/lead(DJGOaprx[19:1815], 1))[1:1796]	datDJGOretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJGOretOUTSAt163))	DJGOESHIt163<-ES(datDJGOretOUTSAt163$rev,DJGOretOUTSAt163, p=0.975, method="historical")
DJGO	164	18	1814	2019-02-11	2019-02-11	DJGOretOUTSAt164<-ln(DJGOaprx[18:1814]/lead(DJGOaprx[18:1814], 1))[1:1796]	datDJGOretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJGOretOUTSAt164))	DJGOESHIt164<-ES(datDJGOretOUTSAt164$rev,DJGOretOUTSAt164, p=0.975, method="historical")
DJGO	165	17	1813	2019-02-12	2019-02-12	DJGOretOUTSAt165<-ln(DJGOaprx[17:1813]/lead(DJGOaprx[17:1813], 1))[1:1796]	datDJGOretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJGOretOUTSAt165))	DJGOESHIt165<-ES(datDJGOretOUTSAt165$rev,DJGOretOUTSAt165, p=0.975, method="historical")
DJGO	166	16	1812	2019-02-13	2019-02-13	DJGOretOUTSAt166<-ln(DJGOaprx[16:1812]/lead(DJGOaprx[16:1812], 1))[1:1796]	datDJGOretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJGOretOUTSAt166))	DJGOESHIt166<-ES(datDJGOretOUTSAt166$rev,DJGOretOUTSAt166, p=0.975, method="historical")
DJGO	167	15	1811	2019-02-14	2019-02-14	DJGOretOUTSAt167<-ln(DJGOaprx[15:1811]/lead(DJGOaprx[15:1811], 1))[1:1796]	datDJGOretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJGOretOUTSAt167))	DJGOESHIt167<-ES(datDJGOretOUTSAt167$rev,DJGOretOUTSAt167, p=0.975, method="historical")
DJGO	168	14	1810	2019-02-15	2019-02-15	DJGOretOUTSAt168<-ln(DJGOaprx[14:1810]/lead(DJGOaprx[14:1810], 1))[1:1796]	datDJGOretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJGOretOUTSAt168))	DJGOESHIt168<-ES(datDJGOretOUTSAt168$rev,DJGOretOUTSAt168, p=0.975, method="historical")
DJGO	169	13	1809	2019-02-16	2019-02-16	DJGOretOUTSAt169<-ln(DJGOaprx[13:1809]/lead(DJGOaprx[13:1809], 1))[1:1796]	datDJGOretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJGOretOUTSAt169))	DJGOESHIt169<-ES(datDJGOretOUTSAt169$rev,DJGOretOUTSAt169, p=0.975, method="historical")
DJGO	170	12	1808	2019-02-17	2019-02-17	DJGOretOUTSAt170<-ln(DJGOaprx[12:1808]/lead(DJGOaprx[12:1808], 1))[1:1796]	datDJGOretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJGOretOUTSAt170))	DJGOESHIt170<-ES(datDJGOretOUTSAt170$rev,DJGOretOUTSAt170, p=0.975, method="historical")
DJGO	171	11	1807	2019-02-18	2019-02-18	DJGOretOUTSAt171<-ln(DJGOaprx[11:1807]/lead(DJGOaprx[11:1807], 1))[1:1796]	datDJGOretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJGOretOUTSAt171))	DJGOESHIt171<-ES(datDJGOretOUTSAt171$rev,DJGOretOUTSAt171, p=0.975, method="historical")
DJGO	172	10	1806	2019-02-19	2019-02-19	DJGOretOUTSAt172<-ln(DJGOaprx[10:1806]/lead(DJGOaprx[10:1806], 1))[1:1796]	datDJGOretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJGOretOUTSAt172))	DJGOESHIt172<-ES(datDJGOretOUTSAt172$rev,DJGOretOUTSAt172, p=0.975, method="historical")
DJGO	173	9	1805	2019-02-20	2019-02-20	DJGOretOUTSAt173<-ln(DJGOaprx[9:1805]/lead(DJGOaprx[9:1805], 1))[1:1796]	datDJGOretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJGOretOUTSAt173))	DJGOESHIt173<-ES(datDJGOretOUTSAt173$rev,DJGOretOUTSAt173, p=0.975, method="historical")
DJGO	174	8	1804	2019-02-21	2019-02-21	DJGOretOUTSAt174<-ln(DJGOaprx[8:1804]/lead(DJGOaprx[8:1804], 1))[1:1796]	datDJGOretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJGOretOUTSAt174))	DJGOESHIt174<-ES(datDJGOretOUTSAt174$rev,DJGOretOUTSAt174, p=0.975, method="historical")
DJGO	175	7	1803	2019-02-22	2019-02-22	DJGOretOUTSAt175<-ln(DJGOaprx[7:1803]/lead(DJGOaprx[7:1803], 1))[1:1796]	datDJGOretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJGOretOUTSAt175))	DJGOESHIt175<-ES(datDJGOretOUTSAt175$rev,DJGOretOUTSAt175, p=0.975, method="historical")
DJGO	176	6	1802	2019-02-23	2019-02-23	DJGOretOUTSAt176<-ln(DJGOaprx[6:1802]/lead(DJGOaprx[6:1802], 1))[1:1796]	datDJGOretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJGOretOUTSAt176))	DJGOESHIt176<-ES(datDJGOretOUTSAt176$rev,DJGOretOUTSAt176, p=0.975, method="historical")
DJGO	177	5	1801	2019-02-24	2019-02-24	DJGOretOUTSAt177<-ln(DJGOaprx[5:1801]/lead(DJGOaprx[5:1801], 1))[1:1796]	datDJGOretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJGOretOUTSAt177))	DJGOESHIt177<-ES(datDJGOretOUTSAt177$rev,DJGOretOUTSAt177, p=0.975, method="historical")
DJGO	178	4	1800	2019-02-25	2019-02-25	DJGOretOUTSAt178<-ln(DJGOaprx[4:1800]/lead(DJGOaprx[4:1800], 1))[1:1796]	datDJGOretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJGOretOUTSAt178))	DJGOESHIt178<-ES(datDJGOretOUTSAt178$rev,DJGOretOUTSAt178, p=0.975, method="historical")
DJGO	179	3	1799	2019-02-26	2019-02-26	DJGOretOUTSAt179<-ln(DJGOaprx[3:1799]/lead(DJGOaprx[3:1799], 1))[1:1796]	datDJGOretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJGOretOUTSAt179))	DJGOESHIt179<-ES(datDJGOretOUTSAt179$rev,DJGOretOUTSAt179, p=0.975, method="historical")
DJGO	180	2	1798	2019-02-27	2019-02-27	DJGOretOUTSAt180<-ln(DJGOaprx[2:1798]/lead(DJGOaprx[2:1798], 1))[1:1796]	datDJGOretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJGOretOUTSAt180))	DJGOESHIt180<-ES(datDJGOretOUTSAt180$rev,DJGOretOUTSAt180, p=0.975, method="historical")
DJGO	181	1	1797	2019-02-28	2019-02-28	DJGOretOUTSAt181<-ln(DJGOaprx[1:1797]/lead(DJGOaprx[1:1797], 1))[1:1796]	datDJGOretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJGOretOUTSAt181))	DJGOESHIt181<-ES(datDJGOretOUTSAt181$rev,DJGOretOUTSAt181, p=0.975, method="historical")
DJNI								
DJNI	1	181	1977	2018-09-01	2018-09-01	DJNIretOUTSAt1<-ln(DJNIaprx[181:1977]/lead(DJNIaprx[181:1977], 1))[1:1796]	datDJNIretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJNIretOUTSAt1))	DJNIESHIt1<-ES(datDJNIretOUTSAt1$rev,DJNIretOUTSAt1, p=0.975, method="historical")
DJNI	2	180	1976	2018-09-02	2018-09-02	DJNIretOUTSAt2<-ln(DJNIaprx[180:1976]/lead(DJNIaprx[180:1976], 1))[1:1796]	datDJNIretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJNIretOUTSAt2))	DJNIESHIt2<-ES(datDJNIretOUTSAt2$rev,DJNIretOUTSAt2, p=0.975, method="historical")
DJNI	3	179	1975	2018-09-03	2018-09-03	DJNIretOUTSAt3<-ln(DJNIaprx[179:1975]/lead(DJNIaprx[179:1975], 1))[1:1796]	datDJNIretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJNIretOUTSAt3))	DJNIESHIt3<-ES(datDJNIretOUTSAt3$rev,DJNIretOUTSAt3, p=0.975, method="historical")
DJNI	4	178	1974	2018-09-04	2018-09-04	DJNIretOUTSAt4<-ln(DJNIaprx[178:1974]/lead(DJNIaprx[178:1974], 1))[1:1796]	datDJNIretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJNIretOUTSAt4))	DJNIESHIt4<-ES(datDJNIretOUTSAt4$rev,DJNIretOUTSAt4, p=0.975, method="historical")
DJNI	5	177	1973	2018-09-05	2018-09-05	DJNIretOUTSAt5<-ln(DJNIaprx[177:1973]/lead(DJNIaprx[177:1973], 1))[1:1796]	datDJNIretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJNIretOUTSAt5))	DJNIESHIt5<-ES(datDJNIretOUTSAt5$rev,DJNIretOUTSAt5, p=0.975, method="historical")
DJNI	6	176	1972	2018-09-06	2018-09-06	DJNIretOUTSAt6<-ln(DJNIaprx[176:1972]/lead(DJNIaprx[176:1972], 1))[1:1796]	datDJNIretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJNIretOUTSAt6))	DJNIESHIt6<-ES(datDJNIretOUTSAt6$rev,DJNIretOUTSAt6, p=0.975, method="historical")
DJNI	7	175	1971	2018-09-07	2018-09-07	DJNIretOUTSAt7<-ln(DJNIaprx[175:1971]/lead(DJNIaprx[175:1971], 1))[1:1796]	datDJNIretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJNIretOUTSAt7))	DJNIESHIt7<-ES(datDJNIretOUTSAt7$rev,DJNIretOUTSAt7, p=0.975, method="historical")
DJNI	8	174	1970	2018-09-08	2018-09-08	DJNIretOUTSAt8<-ln(DJNIaprx[174:1970]/lead(DJNIaprx[174:1970], 1))[1:1796]	datDJNIretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJNIretOUTSAt8))	DJNIESHIt8<-ES(datDJNIretOUTSAt8$rev,DJNIretOUTSAt8, p=0.975, method="historical")
DJNI	9	173	1969	2018-09-09	2018-09-09	DJNIretOUTSAt9<-ln(DJNIaprx[173:1969]/lead(DJNIaprx[173:1969], 1))[1:1796]	datDJNIretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJNIretOUTSAt9))	DJNIESHIt9<-ES(datDJNIretOUTSAt9$rev,DJNIretOUTSAt9, p=0.975, method="historical")
DJNI	10	172	1968	2018-09-10	2018-09-10	DJNIretOUTSAt10<-ln(DJNIaprx[172:1968]/lead(DJNIaprx[172:1968], 1))[1:1796]	datDJNIretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJNIretOUTSAt10))	DJNIESHIt10<-ES(datDJNIretOUTSAt10$rev,DJNIretOUTSAt10, p=0.975, method="historical")
DJNI	11	171	1967	2018-09-11	2018-09-11	DJNIretOUTSAt11<-ln(DJNIaprx[171:1967]/lead(DJNIaprx[171:1967], 1))[1:1796]	datDJNIretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJNIretOUTSAt11))	DJNIESHIt11<-ES(datDJNIretOUTSAt11$rev,DJNIretOUTSAt11, p=0.975, method="historical")
DJNI	12	170	1966	2018-09-12	2018-09-12	DJNIretOUTSAt12<-ln(DJNIaprx[170:1966]/lead(DJNIaprx[170:1966], 1))[1:1796]	datDJNIretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJNIretOUTSAt12))	DJNIESHIt12<-ES(datDJNIretOUTSAt12$rev,DJNIretOUTSAt12, p=0.975, method="historical")
DJNI	13	169	1965	2018-09-13	2018-09-13	DJNIretOUTSAt13<-ln(DJNIaprx[169:1965]/lead(DJNIaprx[169:1965], 1))[1:1796]	datDJNIretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJNIretOUTSAt13))	DJNIESHIt13<-ES(datDJNIretOUTSAt13$rev,DJNIretOUTSAt13, p=0.975, method="historical")
DJNI	14	168	1964	2018-09-14	2018-09-14	DJNIretOUTSAt14<-ln(DJNIaprx[168:1964]/lead(DJNIaprx[168:1964], 1))[1:1796]	datDJNIretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJNIretOUTSAt14))	DJNIESHIt14<-ES(datDJNIretOUTSAt14$rev,DJNIretOUTSAt14, p=0.975, method="historical")
DJNI	15	167	1963	2018-09-15	2018-09-15	DJNIretOUTSAt15<-ln(DJNIaprx[167:1963]/lead(DJNIaprx[167:1963], 1))[1:1796]	datDJNIretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJNIretOUTSAt15))	DJNIESHIt15<-ES(datDJNIretOUTSAt15$rev,DJNIretOUTSAt15, p=0.975, method="historical")
DJNI	16	166	1962	2018-09-16	2018-09-16	DJNIretOUTSAt16<-ln(DJNIaprx[166:1962]/lead(DJNIaprx[166:1962], 1))[1:1796]	datDJNIretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJNIretOUTSAt16))	DJNIESHIt16<-ES(datDJNIretOUTSAt16$rev,DJNIretOUTSAt16, p=0.975, method="historical")
DJNI	17	165	1961	2018-09-17	2018-09-17	DJNIretOUTSAt17<-ln(DJNIaprx[165:1961]/lead(DJNIaprx[165:1961], 1))[1:1796]	datDJNIretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJNIretOUTSAt17))	DJNIESHIt17<-ES(datDJNIretOUTSAt17$rev,DJNIretOUTSAt17, p=0.975, method="historical")
DJNI	18	164	1960	2018-09-18	2018-09-18	DJNIretOUTSAt18<-ln(DJNIaprx[164:1960]/lead(DJNIaprx[164:1960], 1))[1:1796]	datDJNIretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJNIretOUTSAt18))	DJNIESHIt18<-ES(datDJNIretOUTSAt18$rev,DJNIretOUTSAt18, p=0.975, method="historical")
DJNI	19	163	1959	2018-09-19	2018-09-19	DJNIretOUTSAt19<-ln(DJNIaprx[163:1959]/lead(DJNIaprx[163:1959], 1))[1:1796]	datDJNIretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJNIretOUTSAt19))	DJNIESHIt19<-ES(datDJNIretOUTSAt19$rev,DJNIretOUTSAt19, p=0.975, method="historical")
DJNI	20	162	1958	2018-09-20	2018-09-20	DJNIretOUTSAt20<-ln(DJNIaprx[162:1958]/lead(DJNIaprx[162:1958], 1))[1:1796]	datDJNIretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJNIretOUTSAt20))	DJNIESHIt20<-ES(datDJNIretOUTSAt20$rev,DJNIretOUTSAt20, p=0.975, method="historical")
DJNI	21	161	1957	2018-09-21	2018-09-21	DJNIretOUTSAt21<-ln(DJNIaprx[161:1957]/lead(DJNIaprx[161:1957], 1))[1:1796]	datDJNIretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJNIretOUTSAt21))	DJNIESHIt21<-ES(datDJNIretOUTSAt21$rev,DJNIretOUTSAt21, p=0.975, method="historical")
DJNI	22	160	1956	2018-09-22	2018-09-22	DJNIretOUTSAt22<-ln(DJNIaprx[160:1956]/lead(DJNIaprx[160:1956], 1))[1:1796]	datDJNIretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJNIretOUTSAt22))	DJNIESHIt22<-ES(datDJNIretOUTSAt22$rev,DJNIretOUTSAt22, p=0.975, method="historical")
DJNI	23	159	1955	2018-09-23	2018-09-23	DJNIretOUTSAt23<-ln(DJNIaprx[159:1955]/lead(DJNIaprx[159:1955], 1))[1:1796]	datDJNIretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJNIretOUTSAt23))	DJNIESHIt23<-ES(datDJNIretOUTSAt23$rev,DJNIretOUTSAt23, p=0.975, method="historical")
DJNI	24	158	1954	2018-09-24	2018-09-24	DJNIretOUTSAt24<-ln(DJNIaprx[158:1954]/lead(DJNIaprx[158:1954], 1))[1:1796]	datDJNIretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJNIretOUTSAt24))	DJNIESHIt24<-ES(datDJNIretOUTSAt24$rev,DJNIretOUTSAt24, p=0.975, method="historical")
DJNI	25	157	1953	2018-09-25	2018-09-25	DJNIretOUTSAt25<-ln(DJNIaprx[157:1953]/lead(DJNIaprx[157:1953], 1))[1:1796]	datDJNIretOUTSAt25<-

DJNI	82	100	1896	2018-11-21	2018-11-21	DJNIretOUTSAt82<-ln(DJNIaprx[100:1896]/lead(DJNIaprx[100:1896], 1))[1:1796]	datDJNIretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJNIretOUTSAt82))	DJNIESHIt82<-ES(datDJNIretOUTSAt82$rev.DJNIretOUTSAt82, p=0.975, method="historical")
DJNI	83	99	1895	2018-11-22	2018-11-22	DJNIretOUTSAt83<-ln(DJNIaprx[99:1895]/lead(DJNIaprx[99:1895], 1))[1:1796]	datDJNIretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJNIretOUTSAt83))	DJNIESHIt83<-ES(datDJNIretOUTSAt83$rev.DJNIretOUTSAt83, p=0.975, method="historical")
DJNI	84	98	1894	2018-11-23	2018-11-23	DJNIretOUTSAt84<-ln(DJNIaprx[98:1894]/lead(DJNIaprx[98:1894], 1))[1:1796]	datDJNIretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJNIretOUTSAt84))	DJNIESHIt84<-ES(datDJNIretOUTSAt84$rev.DJNIretOUTSAt84, p=0.975, method="historical")
DJNI	85	97	1893	2018-11-24	2018-11-24	DJNIretOUTSAt85<-ln(DJNIaprx[97:1893]/lead(DJNIaprx[97:1893], 1))[1:1796]	datDJNIretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJNIretOUTSAt85))	DJNIESHIt85<-ES(datDJNIretOUTSAt85$rev.DJNIretOUTSAt85, p=0.975, method="historical")
DJNI	86	96	1892	2018-11-25	2018-11-25	DJNIretOUTSAt86<-ln(DJNIaprx[96:1892]/lead(DJNIaprx[96:1892], 1))[1:1796]	datDJNIretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJNIretOUTSAt86))	DJNIESHIt86<-ES(datDJNIretOUTSAt86$rev.DJNIretOUTSAt86, p=0.975, method="historical")
DJNI	87	95	1891	2018-11-26	2018-11-26	DJNIretOUTSAt87<-ln(DJNIaprx[95:1891]/lead(DJNIaprx[95:1891], 1))[1:1796]	datDJNIretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJNIretOUTSAt87))	DJNIESHIt87<-ES(datDJNIretOUTSAt87$rev.DJNIretOUTSAt87, p=0.975, method="historical")
DJNI	88	94	1890	2018-11-27	2018-11-27	DJNIretOUTSAt88<-ln(DJNIaprx[94:1890]/lead(DJNIaprx[94:1890], 1))[1:1796]	datDJNIretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJNIretOUTSAt88))	DJNIESHIt88<-ES(datDJNIretOUTSAt88$rev.DJNIretOUTSAt88, p=0.975, method="historical")
DJNI	89	93	1889	2018-11-28	2018-11-28	DJNIretOUTSAt89<-ln(DJNIaprx[93:1889]/lead(DJNIaprx[93:1889], 1))[1:1796]	datDJNIretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJNIretOUTSAt89))	DJNIESHIt89<-ES(datDJNIretOUTSAt89$rev.DJNIretOUTSAt89, p=0.975, method="historical")
DJNI	90	92	1888	2018-11-29	2018-11-29	DJNIretOUTSAt90<-ln(DJNIaprx[92:1888]/lead(DJNIaprx[92:1888], 1))[1:1796]	datDJNIretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJNIretOUTSAt90))	DJNIESHIt90<-ES(datDJNIretOUTSAt90$rev.DJNIretOUTSAt90, p=0.975, method="historical")
DJNI	91	91	1887	2018-11-30	2018-11-30	DJNIretOUTSAt91<-ln(DJNIaprx[91:1887]/lead(DJNIaprx[91:1887], 1))[1:1796]	datDJNIretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJNIretOUTSAt91))	DJNIESHIt91<-ES(datDJNIretOUTSAt91$rev.DJNIretOUTSAt91, p=0.975, method="historical")
DJNI	92	90	1886	2018-12-01	2018-12-01	DJNIretOUTSAt92<-ln(DJNIaprx[90:1886]/lead(DJNIaprx[90:1886], 1))[1:1796]	datDJNIretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJNIretOUTSAt92))	DJNIESHIt92<-ES(datDJNIretOUTSAt92$rev.DJNIretOUTSAt92, p=0.975, method="historical")
DJNI	93	89	1885	2018-12-02	2018-12-02	DJNIretOUTSAt93<-ln(DJNIaprx[89:1885]/lead(DJNIaprx[89:1885], 1))[1:1796]	datDJNIretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJNIretOUTSAt93))	DJNIESHIt93<-ES(datDJNIretOUTSAt93$rev.DJNIretOUTSAt93, p=0.975, method="historical")
DJNI	94	88	1884	2018-12-03	2018-12-03	DJNIretOUTSAt94<-ln(DJNIaprx[88:1884]/lead(DJNIaprx[88:1884], 1))[1:1796]	datDJNIretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJNIretOUTSAt94))	DJNIESHIt94<-ES(datDJNIretOUTSAt94$rev.DJNIretOUTSAt94, p=0.975, method="historical")
DJNI	95	87	1883	2018-12-04	2018-12-04	DJNIretOUTSAt95<-ln(DJNIaprx[87:1883]/lead(DJNIaprx[87:1883], 1))[1:1796]	datDJNIretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJNIretOUTSAt95))	DJNIESHIt95<-ES(datDJNIretOUTSAt95$rev.DJNIretOUTSAt95, p=0.975, method="historical")
DJNI	96	86	1882	2018-12-05	2018-12-05	DJNIretOUTSAt96<-ln(DJNIaprx[86:1882]/lead(DJNIaprx[86:1882], 1))[1:1796]	datDJNIretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJNIretOUTSAt96))	DJNIESHIt96<-ES(datDJNIretOUTSAt96$rev.DJNIretOUTSAt96, p=0.975, method="historical")
DJNI	97	85	1881	2018-12-06	2018-12-06	DJNIretOUTSAt97<-ln(DJNIaprx[85:1881]/lead(DJNIaprx[85:1881], 1))[1:1796]	datDJNIretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJNIretOUTSAt97))	DJNIESHIt97<-ES(datDJNIretOUTSAt97$rev.DJNIretOUTSAt97, p=0.975, method="historical")
DJNI	98	84	1880	2018-12-07	2018-12-07	DJNIretOUTSAt98<-ln(DJNIaprx[84:1880]/lead(DJNIaprx[84:1880], 1))[1:1796]	datDJNIretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJNIretOUTSAt98))	DJNIESHIt98<-ES(datDJNIretOUTSAt98$rev.DJNIretOUTSAt98, p=0.975, method="historical")
DJNI	99	83	1879	2018-12-08	2018-12-08	DJNIretOUTSAt99<-ln(DJNIaprx[83:1879]/lead(DJNIaprx[83:1879], 1))[1:1796]	datDJNIretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJNIretOUTSAt99))	DJNIESHIt99<-ES(datDJNIretOUTSAt99$rev.DJNIretOUTSAt99, p=0.975, method="historical")
DJNI	100	82	1878	2018-12-09	2018-12-09	DJNIretOUTSAt100<-ln(DJNIaprx[82:1878]/lead(DJNIaprx[82:1878], 1))[1:1796]	datDJNIretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJNIretOUTSAt100))	DJNIESHIt100<-ES(datDJNIretOUTSAt100$rev.DJNIretOUTSAt100, p=0.975, method="historical")
DJNI	101	81	1877	2018-12-10	2018-12-10	DJNIretOUTSAt101<-ln(DJNIaprx[81:1877]/lead(DJNIaprx[81:1877], 1))[1:1796]	datDJNIretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJNIretOUTSAt101))	DJNIESHIt101<-ES(datDJNIretOUTSAt101$rev.DJNIretOUTSAt101, p=0.975, method="historical")
DJNI	102	80	1876	2018-12-11	2018-12-11	DJNIretOUTSAt102<-ln(DJNIaprx[80:1876]/lead(DJNIaprx[80:1876], 1))[1:1796]	datDJNIretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJNIretOUTSAt102))	DJNIESHIt102<-ES(datDJNIretOUTSAt102$rev.DJNIretOUTSAt102, p=0.975, method="historical")
DJNI	103	79	1875	2018-12-12	2018-12-12	DJNIretOUTSAt103<-ln(DJNIaprx[79:1875]/lead(DJNIaprx[79:1875], 1))[1:1796]	datDJNIretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJNIretOUTSAt103))	DJNIESHIt103<-ES(datDJNIretOUTSAt103$rev.DJNIretOUTSAt103, p=0.975, method="historical")
DJNI	104	78	1874	2018-12-13	2018-12-13	DJNIretOUTSAt104<-ln(DJNIaprx[78:1874]/lead(DJNIaprx[78:1874], 1))[1:1796]	datDJNIretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJNIretOUTSAt104))	DJNIESHIt104<-ES(datDJNIretOUTSAt104$rev.DJNIretOUTSAt104, p=0.975, method="historical")
DJNI	105	77	1873	2018-12-14	2018-12-14	DJNIretOUTSAt105<-ln(DJNIaprx[77:1873]/lead(DJNIaprx[77:1873], 1))[1:1796]	datDJNIretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJNIretOUTSAt105))	DJNIESHIt105<-ES(datDJNIretOUTSAt105$rev.DJNIretOUTSAt105, p=0.975, method="historical")
DJNI	106	76	1872	2018-12-15	2018-12-15	DJNIretOUTSAt106<-ln(DJNIaprx[76:1872]/lead(DJNIaprx[76:1872], 1))[1:1796]	datDJNIretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJNIretOUTSAt106))	DJNIESHIt106<-ES(datDJNIretOUTSAt106$rev.DJNIretOUTSAt106, p=0.975, method="historical")
DJNI	107	75	1871	2018-12-16	2018-12-16	DJNIretOUTSAt107<-ln(DJNIaprx[75:1871]/lead(DJNIaprx[75:1871], 1))[1:1796]	datDJNIretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJNIretOUTSAt107))	DJNIESHIt107<-ES(datDJNIretOUTSAt107$rev.DJNIretOUTSAt107, p=0.975, method="historical")
DJNI	108	74	1870	2018-12-17	2018-12-17	DJNIretOUTSAt108<-ln(DJNIaprx[74:1870]/lead(DJNIaprx[74:1870], 1))[1:1796]	datDJNIretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJNIretOUTSAt108))	DJNIESHIt108<-ES(datDJNIretOUTSAt108$rev.DJNIretOUTSAt108, p=0.975, method="historical")
DJNI	109	73	1869	2018-12-18	2018-12-18	DJNIretOUTSAt109<-ln(DJNIaprx[73:1869]/lead(DJNIaprx[73:1869], 1))[1:1796]	datDJNIretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJNIretOUTSAt109))	DJNIESHIt109<-ES(datDJNIretOUTSAt109$rev.DJNIretOUTSAt109, p=0.975, method="historical")
DJNI	110	72	1868	2018-12-19	2018-12-19	DJNIretOUTSAt110<-ln(DJNIaprx[72:1868]/lead(DJNIaprx[72:1868], 1))[1:1796]	datDJNIretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJNIretOUTSAt110))	DJNIESHIt110<-ES(datDJNIretOUTSAt110$rev.DJNIretOUTSAt110, p=0.975, method="historical")
DJNI	111	71	1867	2018-12-20	2018-12-20	DJNIretOUTSAt111<-ln(DJNIaprx[71:1867]/lead(DJNIaprx[71:1867], 1))[1:1796]	datDJNIretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJNIretOUTSAt111))	DJNIESHIt111<-ES(datDJNIretOUTSAt111$rev.DJNIretOUTSAt111, p=0.975, method="historical")
DJNI	112	70	1866	2018-12-21	2018-12-21	DJNIretOUTSAt112<-ln(DJNIaprx[70:1866]/lead(DJNIaprx[70:1866], 1))[1:1796]	datDJNIretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJNIretOUTSAt112))	DJNIESHIt112<-ES(datDJNIretOUTSAt112$rev.DJNIretOUTSAt112, p=0.975, method="historical")
DJNI	113	69	1865	2018-12-22	2018-12-22	DJNIretOUTSAt113<-ln(DJNIaprx[69:1865]/lead(DJNIaprx[69:1865], 1))[1:1796]	datDJNIretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJNIretOUTSAt113))	DJNIESHIt113<-ES(datDJNIretOUTSAt113$rev.DJNIretOUTSAt113, p=0.975, method="historical")
DJNI	114	68	1864	2018-12-23	2018-12-23	DJNIretOUTSAt114<-ln(DJNIaprx[68:1864]/lead(DJNIaprx[68:1864], 1))[1:1796]	datDJNIretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJNIretOUTSAt114))	DJNIESHIt114<-ES(datDJNIretOUTSAt114$rev.DJNIretOUTSAt114, p=0.975, method="historical")
DJNI	115	67	1863	2018-12-24	2018-12-24	DJNIretOUTSAt115<-ln(DJNIaprx[67:1863]/lead(DJNIaprx[67:1863], 1))[1:1796]	datDJNIretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJNIretOUTSAt115))	DJNIESHIt115<-ES(datDJNIretOUTSAt115$rev.DJNIretOUTSAt115, p=0.975, method="historical")
DJNI	116	66	1862	2018-12-25	2018-12-25	DJNIretOUTSAt116<-ln(DJNIaprx[66:1862]/lead(DJNIaprx[66:1862], 1))[1:1796]	datDJNIretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJNIretOUTSAt116))	DJNIESHIt116<-ES(datDJNIretOUTSAt116$rev.DJNIretOUTSAt116, p=0.975, method="historical")
DJNI	117	65	1861	2018-12-26	2018-12-26	DJNIretOUTSAt117<-ln(DJNIaprx[65:1861]/lead(DJNIaprx[65:1861], 1))[1:1796]	datDJNIretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJNIretOUTSAt117))	DJNIESHIt117<-ES(datDJNIretOUTSAt117$rev.DJNIretOUTSAt117, p=0.975, method="historical")
DJNI	118	64	1860	2018-12-27	2018-12-27	DJNIretOUTSAt118<-ln(DJNIaprx[64:1860]/lead(DJNIaprx[64:1860], 1))[1:1796]	datDJNIretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJNIretOUTSAt118))	DJNIESHIt118<-ES(datDJNIretOUTSAt118$rev.DJNIretOUTSAt118, p=0.975, method="historical")
DJNI	119	63	1859	2018-12-28	2018-12-28	DJNIretOUTSAt119<-ln(DJNIaprx[63:1859]/lead(DJNIaprx[63:1859], 1))[1:1796]	datDJNIretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJNIretOUTSAt119))	DJNIESHIt119<-ES(datDJNIretOUTSAt119$rev.DJNIretOUTSAt119, p=0.975, method="historical")
DJNI	120	62	1858	2018-12-29	2018-12-29	DJNIretOUTSAt120<-ln(DJNIaprx[62:1858]/lead(DJNIaprx[62:1858], 1))[1:1796]	datDJNIretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJNIretOUTSAt120))	DJNIESHIt120<-ES(datDJNIretOUTSAt120$rev.DJNIretOUTSAt120, p=0.975, method="historical")
DJNI	121	61	1857	2018-12-30	2018-12-30	DJNIretOUTSAt121<-ln(DJNIaprx[61:1857]/lead(DJNIaprx[61:1857], 1))[1:1796]	datDJNIretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJNIretOUTSAt121))	DJNIESHIt121<-ES(datDJNIretOUTSAt121$rev.DJNIretOUTSAt121, p=0.975, method="historical")
DJNI	122	60	1856	2018-12-31	2018-12-31	DJNIretOUTSAt122<-ln(DJNIaprx[60:1856]/lead(DJNIaprx[60:1856], 1))[1:1796]	datDJNIretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJNIretOUTSAt122))	DJNIESHIt122<-ES(datDJNIretOUTSAt122$rev.DJNIretOUTSAt122, p=0.975, method="historical")
DJNI	123	59	1855	2019-01-01	2019-01-01	DJNIretOUTSAt123<-ln(DJNIaprx[59:1855]/lead(DJNIaprx[59:1855], 1))[1:1796]	datDJNIretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJNIretOUTSAt123))	DJNIESHIt123<-ES(datDJNIretOUTSAt123$rev.DJNIretOUTSAt123, p=0.975, method="historical")
DJNI	124	58	1854	2019-01-02	2019-01-02	DJNIretOUTSAt124<-ln(DJNIaprx[58:1854]/lead(DJNIaprx[58:1854], 1))[1:1796]	datDJNIretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJNIretOUTSAt124))	DJNIESHIt124<-ES(datDJNIretOUTSAt124$rev.DJNIretOUTSAt124, p=0.975, method="historical")
DJNI	125	57	1853	2019-01-03	2019-01-03	DJNIretOUTSAt125<-ln(DJNIaprx[57:1853]/lead(DJNIaprx[57:1853], 1))[1:1796]	datDJNIretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJNIretOUTSAt125))	DJNIESHIt125<-ES(datDJNIretOUTSAt125$rev.DJNIretOUTSAt125, p=0.975, method="historical")
DJNI	126	56	1852	2019-01-04	2019-01-04	DJNIretOUTSAt126<-ln(DJNIaprx[56:1852]/lead(DJNIaprx[56:1852], 1))[1:1796]	datDJNIretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJNIretOUTSAt126))	DJNIESHIt126<-ES(datDJNIretOUTSAt126$rev.DJNIretOUTSAt126, p=0.975, method="historical")
DJNI	127	55	1851	2019-01-05	2019-01-05	DJNIretOUTSAt127<-ln(DJNIaprx[55:1851]/lead(DJNIaprx[55:1851], 1))[1:1796]	datDJNIretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJNIretOUTSAt127))	DJNIESHIt127<-ES(datDJNIretOUTSAt127$rev.DJNIretOUTSAt127, p=0.975, method="historical")
DJNI	128	54	1850	2019-01-06	2019-01-06	DJNIretOUTSAt128<-ln(DJNIaprx[54:1850]/lead(DJNIaprx[54:1850], 1))[1:1796]	datDJNIretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJNIretOUTSAt128))	DJNIESHIt128<-ES(datDJNIretOUTSAt128$rev.DJNIretOUTSAt128, p=0.975, method="historical")
DJNI	129	53	1849	2019-01-07	2019-01-07	DJNIretOUTSAt129<-ln(DJNIaprx[53:1849]/lead(DJNIaprx[53:1849], 1))[1:1796]	datDJNIretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJNIretOUTSAt129))	DJNIESHIt129<-ES(datDJNIretOUTSAt129$rev.DJNIretOUTSAt129, p=0.975, method="historical")
DJNI	130	52	1848	2019-01-08	2019-01-08	DJNIretOUTSAt130<-ln(DJNIaprx[52:1848]/lead(DJNIaprx[52:1848], 1))[1:1796]	datDJNIretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJNIretOUTSAt130))	DJNIESHIt130<-ES(datDJNIretOUTSAt130$rev.DJNIretOUTSAt130, p=0.975, method="historical")
DJNI	131	51	1847	2019-01-09	2019-01-09	DJNIretOUTSAt131<-ln(DJNIaprx[51:1847]/lead(DJNIaprx[51:1847], 1))[1:1796]	datDJNIretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJNIretOUTSAt131))	DJNIESHIt131<-ES(datDJNIretOUTSAt131$rev.DJNIretOUTSAt131, p=0.975, method="historical")
DJNI	132	50	1846	2019-01-10	2019-01-10	DJNIretOUTSAt132<-ln(DJNIaprx[50:1846]/lead(DJNIaprx[50:1846], 1))[1:1796]	datDJNIretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJNIretOUTSAt132))	DJNIESHIt132<-ES(datDJNIretOUTSAt132$rev.DJNIretOUTSAt132, p=0.975, method="historical")
DJNI	133	49	1845	2019-01-11	2019-01-11	DJNIretOUTSAt133<-ln(DJNIaprx[49:1845]/lead(DJNIaprx[49:1845], 1))[1:1796]	datDJNIretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJNIretOUTSAt133))	DJNIESHIt133<-ES(datDJNIretOUTSAt133$rev.DJNIretOUTSAt133, p=0.975, method="historical")
DJNI	134	48	1844	2019-01-12	2019-01-12	DJNIretOUTSAt134<-ln(DJNIaprx[48:1844]/lead(DJNIaprx[48:1844], 1))[1:1796]	datDJNIretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJNIretOUTSAt134))	DJNIESHIt134<-ES(datDJNIretOUTSAt134$rev.DJNIretOUTSAt134, p=0.975, method="historical")
DJNI	135	47	1843	2019-01-13	2019-01-13	DJNIretOUTSAt135<-ln(DJNIaprx[47:1843]/lead(DJNIaprx[47:1843], 1))[1:1796]	datDJNIretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJNIretOUTSAt135))	DJNIESHIt135<-ES(datDJNIretOUTSAt135$rev.DJNIretOUTSAt135, p=0.975, method="historical")
DJNI	136	46	1842	2019-01-14	2019-01-14	DJNIretOUTSAt136<-ln(DJNIaprx[46:1842]/lead(DJNIaprx[46:1842], 1))[1:1796]	datDJNIretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJNIretOUTSAt136))	DJNIESHIt136<-ES(datDJNIretOUTSAt136$rev.DJNIretOUTSAt136, p=0.975, method="historical")
DJNI	137	45	1841	2019-01-15	2019-01-15	DJNIretOUTSAt137<-ln(DJNIaprx[45:1841]/lead(DJNIaprx[45:1841], 1))[1:1796]	datDJNIretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJNIretOUTSAt137))	DJNIESHIt137<-ES(datDJNIretOUTSAt137$rev.DJNIretOUTSAt137, p=0.975, method="historical")
DJNI	138	44	1840	2019-01-16	2019-01-16	DJNIretOUTSAt138<-ln(DJNIaprx[44:1840]/lead(DJNIaprx[44:1840], 1))[1:1796]	datDJNIretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJNIretOUTSAt138))	DJNIESHIt138<-ES(datDJNIretOUTSAt138$rev.DJNIretOUTSAt138, p=0.975, method="historical")
DJNI	139	43	1839	2019-01-17	2019-01-17	DJNIretOUTSAt139<-ln(DJNIaprx[43:1839]/lead(DJNIaprx[43:1839], 1))[1:1796]	datDJNIretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJNIretOUTSAt139))	DJNIESHIt139<-ES(datDJNIretOUTSAt139$rev.DJNIretOUTSAt139, p=0.975, method="historical")
DJNI	140	42	1838	2019-01-18	2019-01-18	DJNIretOUTSAt140<-ln(DJNIaprx[42:1838]/lead(DJNIaprx[42:1838], 1))[1:1796]	datDJNIretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJNIretOUTSAt140))	DJNIESHIt140<-ES(datDJNIretOUTSAt140$rev.DJNIretOUTSAt140, p=0.975, method="historical")
DJNI	141	41	1837	2019-01-19	2019-01-19	DJNIretOUTSAt141<-ln(DJNIaprx[41:1837]/lead(DJNIaprx[41:1837], 1))[1:1796]	datDJNIretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJNIretOUTSAt141))	DJNIESHIt141<-ES(datDJNIretOUTSAt141$rev.DJNIretOUTSAt141, p=0.975, method="historical")
DJNI	142	40	1836	2019-01-20	2019-01-20	DJNIretOUTSAt142<-ln(DJNIaprx[40:1836]/lead(DJNIaprx[40:1836], 1))[1:1796]	datDJNIretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJNIretOUTSAt142))	DJNIESHIt142<-ES(datDJNIretOUTSAt142$rev.DJNIretOUTSAt142, p=0.975, method="historical")
DJNI	143	39	1835	2019-01-21	2019-01-21	DJNIretOUTSAt143<-ln(DJNIaprx[39:1835]/lead(DJNIaprx[39:1835], 1))[1:1796]	datDJNIretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJNIretOUTSAt143))	DJNIESHIt143<-ES(datDJNIretOUTSAt143$rev.DJNIretOUTSAt143, p=0.975, method="historical")
DJNI	144	38	1834	2019-01-22	2019-01-22	DJNIretOUTSAt144<-ln(DJNIaprx[38:1834]/lead(DJNIaprx[38:1834], 1))[1:1796]	datDJNIretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJNIretOUTSAt144))	DJNIESHIt144<-ES(datDJNIretOUTSAt144$rev.DJNIretOUTSAt144, p=0.975, method="historical")
DJNI	145	37	1833	2019-01-23	2019-01-23	DJNIretOUTSAt145<-ln(DJNIaprx[37:1833]/lead(DJNIaprx[37:1833], 1))[1:1796]	datDJNIretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJNIretOUTSAt145))	DJNIESHIt145<-ES(datDJNIretOUTSAt145$rev.DJNIretOUTSAt145, p=0.975, method="historical")
DJNI	146	36	1832	2019-01-24	2019-01-24	DJNIretOUTSAt146<-ln(DJNIaprx[36:1832]/lead(DJNIaprx[36:1832], 1))[1:1796]	datDJNIretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJNIretOUTSAt146))	DJNIESHIt146<-ES(datDJNIretOUTSAt146$rev.DJNIretOUTSAt146, p=0.975, method="historical")
DJNI	147	35	1831	2019-01-25	2019-01-25	DJNIretOUTSAt147<-ln(DJNIaprx[35:1831]/lead(DJNIaprx[35:1831], 1))[1:1796]	datDJNIretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJNIretOUTSAt147))	DJNIESHIt147<-ES(datDJNIretOUTSAt147$rev.DJNIretOUTSAt147, p=0.975, method="historical")
DJNI	148	34	1830	2019-01-26	2019-01-26	DJNIretOUTSAt148<-ln(DJNIaprx[34:1830]/lead(DJNIaprx[34:1830], 1))[1:1796]	datDJNIretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJNIretOUTSAt148))	DJNIESHIt148<-ES(datDJNIretOUTSAt148$rev.DJNIretOUTSAt148, p=0.975, method="historical")
DJNI	149	33	1829	2019-01-27	2019-01-27	DJNIretOUTSAt149<-ln(DJNIaprx[33:1829]/lead(DJNIaprx[33:1829], 1))[1:1796]	datDJNIretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJNIretOUTSAt149))	DJNIESHIt149<-ES(datDJNIretOUTSAt149$rev.DJNIretOUTSAt149, p=0.975, method="historical")
DJNI	150	32	1828	2019-01-28	2019-01-28	DJNIretOUTSAt150<-ln(DJNIaprx[32:1828]/lead(DJNIaprx[32:1828], 1))[1:1796]	datDJNIretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJNIretOUTSAt150))	DJNIESHIt150<-ES(datDJNIretOUTSAt150$rev.DJNIretOUTSAt150, p=0.975, method="historical")
DJNI	151	31	1827	2019-01-29	2019-01-29	DJNIretOUTSAt151<-ln(DJNIaprx[31:1827]/lead(DJNIaprx[31:1827], 1))[1:1796]	datDJNIretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJNIretOUTSAt151))	DJNIESHIt151<-ES(datDJNIretOUTSAt151$rev.DJNIretOUTSAt151, p=0.975, method="historical")
DJNI	152	30	1826	2019-01-30	2019-01-30	DJNIretOUTSAt152<-ln(DJNIaprx[30:1826]/lead(DJNIaprx[30:1826], 1))[1:1796]	datDJNIretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date

DJSI	28	154	1950	2018-09-28	2018-09-28	DJSIretOUTSAt28<-ln(DJSIaprx[154:1950]/lead(DJSIaprx[154:1950], 1))[1:1796]	datDJSIretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJSIretOUTSAt28))	DJSIESHIt28<-ES(datDJSIretOUTSAt28$rev.DJSIretOUTSAt28, p=0.975, method="historical")
DJSI	29	153	1949	2018-09-29	2018-09-29	DJSIretOUTSAt29<-ln(DJSIaprx[153:1949]/lead(DJSIaprx[153:1949], 1))[1:1796]	datDJSIretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJSIretOUTSAt29))	DJSIESHIt29<-ES(datDJSIretOUTSAt29$rev.DJSIretOUTSAt29, p=0.975, method="historical")
DJSI	30	152	1948	2018-09-30	2018-09-30	DJSIretOUTSAt30<-ln(DJSIaprx[152:1948]/lead(DJSIaprx[152:1948], 1))[1:1796]	datDJSIretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJSIretOUTSAt30))	DJSIESHIt30<-ES(datDJSIretOUTSAt30$rev.DJSIretOUTSAt30, p=0.975, method="historical")
DJSI	31	151	1947	2018-10-01	2018-10-01	DJSIretOUTSAt31<-ln(DJSIaprx[151:1947]/lead(DJSIaprx[151:1947], 1))[1:1796]	datDJSIretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJSIretOUTSAt31))	DJSIESHIt31<-ES(datDJSIretOUTSAt31$rev.DJSIretOUTSAt31, p=0.975, method="historical")
DJSI	32	150	1946	2018-10-02	2018-10-02	DJSIretOUTSAt32<-ln(DJSIaprx[150:1946]/lead(DJSIaprx[150:1946], 1))[1:1796]	datDJSIretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJSIretOUTSAt32))	DJSIESHIt32<-ES(datDJSIretOUTSAt32$rev.DJSIretOUTSAt32, p=0.975, method="historical")
DJSI	33	149	1945	2018-10-03	2018-10-03	DJSIretOUTSAt33<-ln(DJSIaprx[149:1945]/lead(DJSIaprx[149:1945], 1))[1:1796]	datDJSIretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJSIretOUTSAt33))	DJSIESHIt33<-ES(datDJSIretOUTSAt33$rev.DJSIretOUTSAt33, p=0.975, method="historical")
DJSI	34	148	1944	2018-10-04	2018-10-04	DJSIretOUTSAt34<-ln(DJSIaprx[148:1944]/lead(DJSIaprx[148:1944], 1))[1:1796]	datDJSIretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJSIretOUTSAt34))	DJSIESHIt34<-ES(datDJSIretOUTSAt34$rev.DJSIretOUTSAt34, p=0.975, method="historical")
DJSI	35	147	1943	2018-10-05	2018-10-05	DJSIretOUTSAt35<-ln(DJSIaprx[147:1943]/lead(DJSIaprx[147:1943], 1))[1:1796]	datDJSIretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJSIretOUTSAt35))	DJSIESHIt35<-ES(datDJSIretOUTSAt35$rev.DJSIretOUTSAt35, p=0.975, method="historical")
DJSI	36	146	1942	2018-10-06	2018-10-06	DJSIretOUTSAt36<-ln(DJSIaprx[146:1942]/lead(DJSIaprx[146:1942], 1))[1:1796]	datDJSIretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJSIretOUTSAt36))	DJSIESHIt36<-ES(datDJSIretOUTSAt36$rev.DJSIretOUTSAt36, p=0.975, method="historical")
DJSI	37	145	1941	2018-10-07	2018-10-07	DJSIretOUTSAt37<-ln(DJSIaprx[145:1941]/lead(DJSIaprx[145:1941], 1))[1:1796]	datDJSIretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJSIretOUTSAt37))	DJSIESHIt37<-ES(datDJSIretOUTSAt37$rev.DJSIretOUTSAt37, p=0.975, method="historical")
DJSI	38	144	1940	2018-10-08	2018-10-08	DJSIretOUTSAt38<-ln(DJSIaprx[144:1940]/lead(DJSIaprx[144:1940], 1))[1:1796]	datDJSIretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJSIretOUTSAt38))	DJSIESHIt38<-ES(datDJSIretOUTSAt38$rev.DJSIretOUTSAt38, p=0.975, method="historical")
DJSI	39	143	1939	2018-10-09	2018-10-09	DJSIretOUTSAt39<-ln(DJSIaprx[143:1939]/lead(DJSIaprx[143:1939], 1))[1:1796]	datDJSIretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJSIretOUTSAt39))	DJSIESHIt39<-ES(datDJSIretOUTSAt39$rev.DJSIretOUTSAt39, p=0.975, method="historical")
DJSI	40	142	1938	2018-10-10	2018-10-10	DJSIretOUTSAt40<-ln(DJSIaprx[142:1938]/lead(DJSIaprx[142:1938], 1))[1:1796]	datDJSIretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJSIretOUTSAt40))	DJSIESHIt40<-ES(datDJSIretOUTSAt40$rev.DJSIretOUTSAt40, p=0.975, method="historical")
DJSI	41	141	1937	2018-10-11	2018-10-11	DJSIretOUTSAt41<-ln(DJSIaprx[141:1937]/lead(DJSIaprx[141:1937], 1))[1:1796]	datDJSIretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJSIretOUTSAt41))	DJSIESHIt41<-ES(datDJSIretOUTSAt41$rev.DJSIretOUTSAt41, p=0.975, method="historical")
DJSI	42	140	1936	2018-10-12	2018-10-12	DJSIretOUTSAt42<-ln(DJSIaprx[140:1936]/lead(DJSIaprx[140:1936], 1))[1:1796]	datDJSIretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJSIretOUTSAt42))	DJSIESHIt42<-ES(datDJSIretOUTSAt42$rev.DJSIretOUTSAt42, p=0.975, method="historical")
DJSI	43	139	1935	2018-10-13	2018-10-13	DJSIretOUTSAt43<-ln(DJSIaprx[139:1935]/lead(DJSIaprx[139:1935], 1))[1:1796]	datDJSIretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJSIretOUTSAt43))	DJSIESHIt43<-ES(datDJSIretOUTSAt43$rev.DJSIretOUTSAt43, p=0.975, method="historical")
DJSI	44	138	1934	2018-10-14	2018-10-14	DJSIretOUTSAt44<-ln(DJSIaprx[138:1934]/lead(DJSIaprx[138:1934], 1))[1:1796]	datDJSIretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJSIretOUTSAt44))	DJSIESHIt44<-ES(datDJSIretOUTSAt44$rev.DJSIretOUTSAt44, p=0.975, method="historical")
DJSI	45	137	1933	2018-10-15	2018-10-15	DJSIretOUTSAt45<-ln(DJSIaprx[137:1933]/lead(DJSIaprx[137:1933], 1))[1:1796]	datDJSIretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJSIretOUTSAt45))	DJSIESHIt45<-ES(datDJSIretOUTSAt45$rev.DJSIretOUTSAt45, p=0.975, method="historical")
DJSI	46	136	1932	2018-10-16	2018-10-16	DJSIretOUTSAt46<-ln(DJSIaprx[136:1932]/lead(DJSIaprx[136:1932], 1))[1:1796]	datDJSIretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJSIretOUTSAt46))	DJSIESHIt46<-ES(datDJSIretOUTSAt46$rev.DJSIretOUTSAt46, p=0.975, method="historical")
DJSI	47	135	1931	2018-10-17	2018-10-17	DJSIretOUTSAt47<-ln(DJSIaprx[135:1931]/lead(DJSIaprx[135:1931], 1))[1:1796]	datDJSIretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJSIretOUTSAt47))	DJSIESHIt47<-ES(datDJSIretOUTSAt47$rev.DJSIretOUTSAt47, p=0.975, method="historical")
DJSI	48	134	1930	2018-10-18	2018-10-18	DJSIretOUTSAt48<-ln(DJSIaprx[134:1930]/lead(DJSIaprx[134:1930], 1))[1:1796]	datDJSIretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJSIretOUTSAt48))	DJSIESHIt48<-ES(datDJSIretOUTSAt48$rev.DJSIretOUTSAt48, p=0.975, method="historical")
DJSI	49	133	1929	2018-10-19	2018-10-19	DJSIretOUTSAt49<-ln(DJSIaprx[133:1929]/lead(DJSIaprx[133:1929], 1))[1:1796]	datDJSIretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJSIretOUTSAt49))	DJSIESHIt49<-ES(datDJSIretOUTSAt49$rev.DJSIretOUTSAt49, p=0.975, method="historical")
DJSI	50	132	1928	2018-10-20	2018-10-20	DJSIretOUTSAt50<-ln(DJSIaprx[132:1928]/lead(DJSIaprx[132:1928], 1))[1:1796]	datDJSIretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJSIretOUTSAt50))	DJSIESHIt50<-ES(datDJSIretOUTSAt50$rev.DJSIretOUTSAt50, p=0.975, method="historical")
DJSI	51	131	1927	2018-10-21	2018-10-21	DJSIretOUTSAt51<-ln(DJSIaprx[131:1927]/lead(DJSIaprx[131:1927], 1))[1:1796]	datDJSIretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJSIretOUTSAt51))	DJSIESHIt51<-ES(datDJSIretOUTSAt51$rev.DJSIretOUTSAt51, p=0.975, method="historical")
DJSI	52	130	1926	2018-10-22	2018-10-22	DJSIretOUTSAt52<-ln(DJSIaprx[130:1926]/lead(DJSIaprx[130:1926], 1))[1:1796]	datDJSIretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJSIretOUTSAt52))	DJSIESHIt52<-ES(datDJSIretOUTSAt52$rev.DJSIretOUTSAt52, p=0.975, method="historical")
DJSI	53	129	1925	2018-10-23	2018-10-23	DJSIretOUTSAt53<-ln(DJSIaprx[129:1925]/lead(DJSIaprx[129:1925], 1))[1:1796]	datDJSIretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJSIretOUTSAt53))	DJSIESHIt53<-ES(datDJSIretOUTSAt53$rev.DJSIretOUTSAt53, p=0.975, method="historical")
DJSI	54	128	1924	2018-10-24	2018-10-24	DJSIretOUTSAt54<-ln(DJSIaprx[128:1924]/lead(DJSIaprx[128:1924], 1))[1:1796]	datDJSIretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJSIretOUTSAt54))	DJSIESHIt54<-ES(datDJSIretOUTSAt54$rev.DJSIretOUTSAt54, p=0.975, method="historical")
DJSI	55	127	1923	2018-10-25	2018-10-25	DJSIretOUTSAt55<-ln(DJSIaprx[127:1923]/lead(DJSIaprx[127:1923], 1))[1:1796]	datDJSIretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJSIretOUTSAt55))	DJSIESHIt55<-ES(datDJSIretOUTSAt55$rev.DJSIretOUTSAt55, p=0.975, method="historical")
DJSI	56	126	1922	2018-10-26	2018-10-26	DJSIretOUTSAt56<-ln(DJSIaprx[126:1922]/lead(DJSIaprx[126:1922], 1))[1:1796]	datDJSIretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJSIretOUTSAt56))	DJSIESHIt56<-ES(datDJSIretOUTSAt56$rev.DJSIretOUTSAt56, p=0.975, method="historical")
DJSI	57	125	1921	2018-10-27	2018-10-27	DJSIretOUTSAt57<-ln(DJSIaprx[125:1921]/lead(DJSIaprx[125:1921], 1))[1:1796]	datDJSIretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJSIretOUTSAt57))	DJSIESHIt57<-ES(datDJSIretOUTSAt57$rev.DJSIretOUTSAt57, p=0.975, method="historical")
DJSI	58	124	1920	2018-10-28	2018-10-28	DJSIretOUTSAt58<-ln(DJSIaprx[124:1920]/lead(DJSIaprx[124:1920], 1))[1:1796]	datDJSIretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(DJSIretOUTSAt58))	DJSIESHIt58<-ES(datDJSIretOUTSAt58$rev.DJSIretOUTSAt58, p=0.975, method="historical")
DJSI	59	123	1919	2018-10-29	2018-10-29	DJSIretOUTSAt59<-ln(DJSIaprx[123:1919]/lead(DJSIaprx[123:1919], 1))[1:1796]	datDJSIretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(DJSIretOUTSAt59))	DJSIESHIt59<-ES(datDJSIretOUTSAt59$rev.DJSIretOUTSAt59, p=0.975, method="historical")
DJSI	60	122	1918	2018-10-30	2018-10-30	DJSIretOUTSAt60<-ln(DJSIaprx[122:1918]/lead(DJSIaprx[122:1918], 1))[1:1796]	datDJSIretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(DJSIretOUTSAt60))	DJSIESHIt60<-ES(datDJSIretOUTSAt60$rev.DJSIretOUTSAt60, p=0.975, method="historical")
DJSI	61	121	1917	2018-10-31	2018-10-31	DJSIretOUTSAt61<-ln(DJSIaprx[121:1917]/lead(DJSIaprx[121:1917], 1))[1:1796]	datDJSIretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJSIretOUTSAt61))	DJSIESHIt61<-ES(datDJSIretOUTSAt61$rev.DJSIretOUTSAt61, p=0.975, method="historical")
DJSI	62	120	1916	2018-11-01	2018-11-01	DJSIretOUTSAt62<-ln(DJSIaprx[120:1916]/lead(DJSIaprx[120:1916], 1))[1:1796]	datDJSIretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJSIretOUTSAt62))	DJSIESHIt62<-ES(datDJSIretOUTSAt62$rev.DJSIretOUTSAt62, p=0.975, method="historical")
DJSI	63	119	1915	2018-11-02	2018-11-02	DJSIretOUTSAt63<-ln(DJSIaprx[119:1915]/lead(DJSIaprx[119:1915], 1))[1:1796]	datDJSIretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJSIretOUTSAt63))	DJSIESHIt63<-ES(datDJSIretOUTSAt63$rev.DJSIretOUTSAt63, p=0.975, method="historical")
DJSI	64	118	1914	2018-11-03	2018-11-03	DJSIretOUTSAt64<-ln(DJSIaprx[118:1914]/lead(DJSIaprx[118:1914], 1))[1:1796]	datDJSIretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJSIretOUTSAt64))	DJSIESHIt64<-ES(datDJSIretOUTSAt64$rev.DJSIretOUTSAt64, p=0.975, method="historical")
DJSI	65	117	1913	2018-11-04	2018-11-04	DJSIretOUTSAt65<-ln(DJSIaprx[117:1913]/lead(DJSIaprx[117:1913], 1))[1:1796]	datDJSIretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJSIretOUTSAt65))	DJSIESHIt65<-ES(datDJSIretOUTSAt65$rev.DJSIretOUTSAt65, p=0.975, method="historical")
DJSI	66	116	1912	2018-11-05	2018-11-05	DJSIretOUTSAt66<-ln(DJSIaprx[116:1912]/lead(DJSIaprx[116:1912], 1))[1:1796]	datDJSIretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJSIretOUTSAt66))	DJSIESHIt66<-ES(datDJSIretOUTSAt66$rev.DJSIretOUTSAt66, p=0.975, method="historical")
DJSI	67	115	1911	2018-11-06	2018-11-06	DJSIretOUTSAt67<-ln(DJSIaprx[115:1911]/lead(DJSIaprx[115:1911], 1))[1:1796]	datDJSIretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJSIretOUTSAt67))	DJSIESHIt67<-ES(datDJSIretOUTSAt67$rev.DJSIretOUTSAt67, p=0.975, method="historical")
DJSI	68	114	1910	2018-11-07	2018-11-07	DJSIretOUTSAt68<-ln(DJSIaprx[114:1910]/lead(DJSIaprx[114:1910], 1))[1:1796]	datDJSIretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJSIretOUTSAt68))	DJSIESHIt68<-ES(datDJSIretOUTSAt68$rev.DJSIretOUTSAt68, p=0.975, method="historical")
DJSI	69	113	1909	2018-11-08	2018-11-08	DJSIretOUTSAt69<-ln(DJSIaprx[113:1909]/lead(DJSIaprx[113:1909], 1))[1:1796]	datDJSIretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJSIretOUTSAt69))	DJSIESHIt69<-ES(datDJSIretOUTSAt69$rev.DJSIretOUTSAt69, p=0.975, method="historical")
DJSI	70	112	1908	2018-11-09	2018-11-09	DJSIretOUTSAt70<-ln(DJSIaprx[112:1908]/lead(DJSIaprx[112:1908], 1))[1:1796]	datDJSIretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJSIretOUTSAt70))	DJSIESHIt70<-ES(datDJSIretOUTSAt70$rev.DJSIretOUTSAt70, p=0.975, method="historical")
DJSI	71	111	1907	2018-11-10	2018-11-10	DJSIretOUTSAt71<-ln(DJSIaprx[111:1907]/lead(DJSIaprx[111:1907], 1))[1:1796]	datDJSIretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJSIretOUTSAt71))	DJSIESHIt71<-ES(datDJSIretOUTSAt71$rev.DJSIretOUTSAt71, p=0.975, method="historical")
DJSI	72	110	1906	2018-11-11	2018-11-11	DJSIretOUTSAt72<-ln(DJSIaprx[110:1906]/lead(DJSIaprx[110:1906], 1))[1:1796]	datDJSIretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJSIretOUTSAt72))	DJSIESHIt72<-ES(datDJSIretOUTSAt72$rev.DJSIretOUTSAt72, p=0.975, method="historical")
DJSI	73	109	1905	2018-11-12	2018-11-12	DJSIretOUTSAt73<-ln(DJSIaprx[109:1905]/lead(DJSIaprx[109:1905], 1))[1:1796]	datDJSIretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJSIretOUTSAt73))	DJSIESHIt73<-ES(datDJSIretOUTSAt73$rev.DJSIretOUTSAt73, p=0.975, method="historical")
DJSI	74	108	1904	2018-11-13	2018-11-13	DJSIretOUTSAt74<-ln(DJSIaprx[108:1904]/lead(DJSIaprx[108:1904], 1))[1:1796]	datDJSIretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJSIretOUTSAt74))	DJSIESHIt74<-ES(datDJSIretOUTSAt74$rev.DJSIretOUTSAt74, p=0.975, method="historical")
DJSI	75	107	1903	2018-11-14	2018-11-14	DJSIretOUTSAt75<-ln(DJSIaprx[107:1903]/lead(DJSIaprx[107:1903], 1))[1:1796]	datDJSIretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJSIretOUTSAt75))	DJSIESHIt75<-ES(datDJSIretOUTSAt75$rev.DJSIretOUTSAt75, p=0.975, method="historical")
DJSI	76	106	1902	2018-11-15	2018-11-15	DJSIretOUTSAt76<-ln(DJSIaprx[106:1902]/lead(DJSIaprx[106:1902], 1))[1:1796]	datDJSIretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJSIretOUTSAt76))	DJSIESHIt76<-ES(datDJSIretOUTSAt76$rev.DJSIretOUTSAt76, p=0.975, method="historical")
DJSI	77	105	1901	2018-11-16	2018-11-16	DJSIretOUTSAt77<-ln(DJSIaprx[105:1901]/lead(DJSIaprx[105:1901], 1))[1:1796]	datDJSIretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJSIretOUTSAt77))	DJSIESHIt77<-ES(datDJSIretOUTSAt77$rev.DJSIretOUTSAt77, p=0.975, method="historical")
DJSI	78	104	1900	2018-11-17	2018-11-17	DJSIretOUTSAt78<-ln(DJSIaprx[104:1900]/lead(DJSIaprx[104:1900], 1))[1:1796]	datDJSIretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJSIretOUTSAt78))	DJSIESHIt78<-ES(datDJSIretOUTSAt78$rev.DJSIretOUTSAt78, p=0.975, method="historical")
DJSI	79	103	1899	2018-11-18	2018-11-18	DJSIretOUTSAt79<-ln(DJSIaprx[103:1899]/lead(DJSIaprx[103:1899], 1))[1:1796]	datDJSIretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJSIretOUTSAt79))	DJSIESHIt79<-ES(datDJSIretOUTSAt79$rev.DJSIretOUTSAt79, p=0.975, method="historical")
DJSI	80	102	1898	2018-11-19	2018-11-19	DJSIretOUTSAt80<-ln(DJSIaprx[102:1898]/lead(DJSIaprx[102:1898], 1))[1:1796]	datDJSIretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJSIretOUTSAt80))	DJSIESHIt80<-ES(datDJSIretOUTSAt80$rev.DJSIretOUTSAt80, p=0.975, method="historical")
DJSI	81	101	1897	2018-11-20	2018-11-20	DJSIretOUTSAt81<-ln(DJSIaprx[101:1897]/lead(DJSIaprx[101:1897], 1))[1:1796]	datDJSIretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJSIretOUTSAt81))	DJSIESHIt81<-ES(datDJSIretOUTSAt81$rev.DJSIretOUTSAt81, p=0.975, method="historical")
DJSI	82	100	1896	2018-11-21	2018-11-21	DJSIretOUTSAt82<-ln(DJSIaprx[100:1896]/lead(DJSIaprx[100:1896], 1))[1:1796]	datDJSIretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJSIretOUTSAt82))	DJSIESHIt82<-ES(datDJSIretOUTSAt82$rev.DJSIretOUTSAt82, p=0.975, method="historical")
DJSI	83	99	1895	2018-11-22	2018-11-22	DJSIretOUTSAt83<-ln(DJSIaprx[99:1895]/lead(DJSIaprx[99:1895], 1))[1:1796]	datDJSIretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJSIretOUTSAt83))	DJSIESHIt83<-ES(datDJSIretOUTSAt83$rev.DJSIretOUTSAt83, p=0.975, method="historical")
DJSI	84	98	1894	2018-11-23	2018-11-23	DJSIretOUTSAt84<-ln(DJSIaprx[98:1894]/lead(DJSIaprx[98:1894], 1))[1:1796]	datDJSIretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJSIretOUTSAt84))	DJSIESHIt84<-ES(datDJSIretOUTSAt84$rev.DJSIretOUTSAt84, p=0.975, method="historical")
DJSI	85	97	1893	2018-11-24	2018-11-24	DJSIretOUTSAt85<-ln(DJSIaprx[97:1893]/lead(DJSIaprx[97:1893], 1))[1:1796]	datDJSIretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJSIretOUTSAt85))	DJSIESHIt85<-ES(datDJSIretOUTSAt85$rev.DJSIretOUTSAt85, p=0.975, method="historical")
DJSI	86	96	1892	2018-11-25	2018-11-25	DJSIretOUTSAt86<-ln(DJSIaprx[96:1892]/lead(DJSIaprx[96:1892], 1))[1:1796]	datDJSIretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJSIretOUTSAt86))	DJSIESHIt86<-ES(datDJSIretOUTSAt86$rev.DJSIretOUTSAt86, p=0.975, method="historical")
DJSI	87	95	1891	2018-11-26	2018-11-26	DJSIretOUTSAt87<-ln(DJSIaprx[95:1891]/lead(DJSIaprx[95:1891], 1))[1:1796]	datDJSIretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJSIretOUTSAt87))	DJSIESHIt87<-ES(datDJSIretOUTSAt87$rev.DJSIretOUTSAt87, p=0.975, method="historical")
DJSI	88	94	1890	2018-11-27	2018-11-27	DJSIretOUTSAt88<-ln(DJSIaprx[94:1890]/lead(DJSIaprx[94:1890], 1))[1:1796]	datDJSIretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJSIretOUTSAt88))	DJSIESHIt88<-ES(datDJSIretOUTSAt88$rev.DJSIretOUTSAt88, p=0.975, method="historical")
DJSI	89	93	1889	2018-11-28	2018-11-28	DJSIretOUTSAt89<-ln(DJSIaprx[93:1889]/lead(DJSIaprx[93:1889], 1))[1:1796]	datDJSIretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJSIretOUTSAt89))	DJSIESHIt89<-ES(datDJSIretOUTSAt89$rev.DJSIretOUTSAt89, p=0.975, method="historical")
DJSI	90	92	1888	2018-11-29	2018-11-29	DJSIretOUTSAt90<-ln(DJSIaprx[92:1888]/lead(DJSIaprx[92:1888], 1))[1:1796]	datDJSIretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJSIretOUTSAt90))	DJSIESHIt90<-ES(datDJSIretOUTSAt90$rev.DJSIretOUTSAt90, p=0.975, method="historical")
DJSI	91	91	1887	2018-11-30	2018-11-30	DJSIretOUTSAt91<-ln(DJSIaprx[91:1887]/lead(DJSIaprx[91:1887], 1))[1:1796]	datDJSIretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJSIretOUTSAt91))	DJSIESHIt91<-ES(datDJSIretOUTSAt91$rev.DJSIretOUTSAt91, p=0.975, method="historical")
DJSI	92	90	1886	2018-12-01	2018-12-01	DJSIretOUTSAt92<-ln(DJSIaprx[90:1886]/lead(DJSIaprx[90:1886], 1))[1:1796]	datDJSIretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJSIretOUTSAt92))	DJSIESHIt92<-ES(datDJSIretOUTSAt92$rev.DJSIretOUTSAt92, p=0.975, method="historical")
DJSI	93	89	1885	2018-12-02	2018-12-02	DJSIretOUTSAt93<-ln(DJSIaprx[89:1885]/lead(DJSIaprx[89:1885], 1))[1:1796]	datDJSIretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJSIretOUTSAt93))	DJSIESHIt93<-ES(datDJSIretOUTSAt93$rev.DJSIretOUTSAt93, p=0.975, method="historical")
DJSI	94	88	1884	2018-12-03	2018-12-03	DJSIretOUTSAt94<-ln(DJSIaprx[88:1884]/lead(DJSIaprx[88:1884], 1))[1:1796]	datDJSIretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJSIretOUTSAt94))	DJSIESHIt94<-ES(datDJSIretOUTSAt94$rev.DJSIretOUTSAt94, p=0.975, method="historical")
DJSI	95	87	1883	2018-12-04	2018-12-04	DJSIretOUTSAt95<-ln(DJSIaprx[87:1883]/lead(DJSIaprx[87:1883], 1))[1:1796]	datDJSIretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJSIretOUTSAt95))	DJSIESHIt95<-ES(datDJSIretOUTSAt95$rev.DJSIretOUTSAt95, p=0.975, method="historical")
DJSI	96	86	1882	2018-12-05	2018-12-05	DJSIretOUTSAt96<-ln(DJSIaprx[86:1882]/lead(DJSIaprx[86:1882], 1))[1:1796]	datDJSIretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJSIretOUTSAt96))	DJSIESHIt96<-ES(datDJSIretOUTSAt96$rev.DJSIretOUTSAt96, p=0.975, method="historical")
DJSI	97	85	1881	2018-12-06	2018-12-06	DJSIretOUTSAt97<-ln(DJSIaprx[85:1881]/lead(DJSIaprx[85:1881], 1))[1:1796]	datDJSIretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJSIretOUTSAt97))	DJSIESHIt97<-ES(datDJSIretOUTSAt97$rev.DJSIretOUTSAt97, p=0.975, method="historical")
DJSI	98	84	1880	2018-12-07	2018-12-07	DJSIretOUTSAt98<-ln(DJSIaprx[84:1880]/lead(DJSIaprx[84:1880], 1))[1:1796]	datDJSIretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date

DJSI	157	25	1821	2019-02-04	2019-02-04	DJSIretOUTSAt157<-ln(DJSIaprx[25:1821] /lead(DJSIaprx[25:1821], 1))[1:1796]	datDJSIretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJSIretOUTSAt157))	DJSIESHIt157<-ES(datDJSIretOUTSAt157$rev.DJSIretOUTSAt157, p=0.975, method="historical")
DJSI	158	24	1820	2019-02-05	2019-02-05	DJSIretOUTSAt158<-ln(DJSIaprx[24:1820] /lead(DJSIaprx[24:1820], 1))[1:1796]	datDJSIretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJSIretOUTSAt158))	DJSIESHIt158<-ES(datDJSIretOUTSAt158$rev.DJSIretOUTSAt158, p=0.975, method="historical")
DJSI	159	23	1819	2019-02-06	2019-02-06	DJSIretOUTSAt159<-ln(DJSIaprx[23:1819] /lead(DJSIaprx[23:1819], 1))[1:1796]	datDJSIretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJSIretOUTSAt159))	DJSIESHIt159<-ES(datDJSIretOUTSAt159$rev.DJSIretOUTSAt159, p=0.975, method="historical")
DJSI	160	22	1818	2019-02-07	2019-02-07	DJSIretOUTSAt160<-ln(DJSIaprx[22:1818] /lead(DJSIaprx[22:1818], 1))[1:1796]	datDJSIretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJSIretOUTSAt160))	DJSIESHIt160<-ES(datDJSIretOUTSAt160$rev.DJSIretOUTSAt160, p=0.975, method="historical")
DJSI	161	21	1817	2019-02-08	2019-02-08	DJSIretOUTSAt161<-ln(DJSIaprx[21:1817] /lead(DJSIaprx[21:1817], 1))[1:1796]	datDJSIretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJSIretOUTSAt161))	DJSIESHIt161<-ES(datDJSIretOUTSAt161$rev.DJSIretOUTSAt161, p=0.975, method="historical")
DJSI	162	20	1816	2019-02-09	2019-02-09	DJSIretOUTSAt162<-ln(DJSIaprx[20:1816] /lead(DJSIaprx[20:1816], 1))[1:1796]	datDJSIretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJSIretOUTSAt162))	DJSIESHIt162<-ES(datDJSIretOUTSAt162$rev.DJSIretOUTSAt162, p=0.975, method="historical")
DJSI	163	19	1815	2019-02-10	2019-02-10	DJSIretOUTSAt163<-ln(DJSIaprx[19:1815] /lead(DJSIaprx[19:1815], 1))[1:1796]	datDJSIretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJSIretOUTSAt163))	DJSIESHIt163<-ES(datDJSIretOUTSAt163$rev.DJSIretOUTSAt163, p=0.975, method="historical")
DJSI	164	18	1814	2019-02-11	2019-02-11	DJSIretOUTSAt164<-ln(DJSIaprx[18:1814] /lead(DJSIaprx[18:1814], 1))[1:1796]	datDJSIretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJSIretOUTSAt164))	DJSIESHIt164<-ES(datDJSIretOUTSAt164$rev.DJSIretOUTSAt164, p=0.975, method="historical")
DJSI	165	17	1813	2019-02-12	2019-02-12	DJSIretOUTSAt165<-ln(DJSIaprx[17:1813] /lead(DJSIaprx[17:1813], 1))[1:1796]	datDJSIretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJSIretOUTSAt165))	DJSIESHIt165<-ES(datDJSIretOUTSAt165$rev.DJSIretOUTSAt165, p=0.975, method="historical")
DJSI	166	16	1812	2019-02-13	2019-02-13	DJSIretOUTSAt166<-ln(DJSIaprx[16:1812] /lead(DJSIaprx[16:1812], 1))[1:1796]	datDJSIretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJSIretOUTSAt166))	DJSIESHIt166<-ES(datDJSIretOUTSAt166$rev.DJSIretOUTSAt166, p=0.975, method="historical")
DJSI	167	15	1811	2019-02-14	2019-02-14	DJSIretOUTSAt167<-ln(DJSIaprx[15:1811] /lead(DJSIaprx[15:1811], 1))[1:1796]	datDJSIretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJSIretOUTSAt167))	DJSIESHIt167<-ES(datDJSIretOUTSAt167$rev.DJSIretOUTSAt167, p=0.975, method="historical")
DJSI	168	14	1810	2019-02-15	2019-02-15	DJSIretOUTSAt168<-ln(DJSIaprx[14:1810] /lead(DJSIaprx[14:1810], 1))[1:1796]	datDJSIretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJSIretOUTSAt168))	DJSIESHIt168<-ES(datDJSIretOUTSAt168$rev.DJSIretOUTSAt168, p=0.975, method="historical")
DJSI	169	13	1809	2019-02-16	2019-02-16	DJSIretOUTSAt169<-ln(DJSIaprx[13:1809] /lead(DJSIaprx[13:1809], 1))[1:1796]	datDJSIretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJSIretOUTSAt169))	DJSIESHIt169<-ES(datDJSIretOUTSAt169$rev.DJSIretOUTSAt169, p=0.975, method="historical")
DJSI	170	12	1808	2019-02-17	2019-02-17	DJSIretOUTSAt170<-ln(DJSIaprx[12:1808] /lead(DJSIaprx[12:1808], 1))[1:1796]	datDJSIretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJSIretOUTSAt170))	DJSIESHIt170<-ES(datDJSIretOUTSAt170$rev.DJSIretOUTSAt170, p=0.975, method="historical")
DJSI	171	11	1807	2019-02-18	2019-02-18	DJSIretOUTSAt171<-ln(DJSIaprx[11:1807] /lead(DJSIaprx[11:1807], 1))[1:1796]	datDJSIretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJSIretOUTSAt171))	DJSIESHIt171<-ES(datDJSIretOUTSAt171$rev.DJSIretOUTSAt171, p=0.975, method="historical")
DJSI	172	10	1806	2019-02-19	2019-02-19	DJSIretOUTSAt172<-ln(DJSIaprx[10:1806] /lead(DJSIaprx[10:1806], 1))[1:1796]	datDJSIretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJSIretOUTSAt172))	DJSIESHIt172<-ES(datDJSIretOUTSAt172$rev.DJSIretOUTSAt172, p=0.975, method="historical")
DJSI	173	9	1805	2019-02-20	2019-02-20	DJSIretOUTSAt173<-ln(DJSIaprx[9:1805] /lead(DJSIaprx[9:1805], 1))[1:1796]	datDJSIretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJSIretOUTSAt173))	DJSIESHIt173<-ES(datDJSIretOUTSAt173$rev.DJSIretOUTSAt173, p=0.975, method="historical")
DJSI	174	8	1804	2019-02-21	2019-02-21	DJSIretOUTSAt174<-ln(DJSIaprx[8:1804] /lead(DJSIaprx[8:1804], 1))[1:1796]	datDJSIretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJSIretOUTSAt174))	DJSIESHIt174<-ES(datDJSIretOUTSAt174$rev.DJSIretOUTSAt174, p=0.975, method="historical")
DJSI	175	7	1803	2019-02-22	2019-02-22	DJSIretOUTSAt175<-ln(DJSIaprx[7:1803] /lead(DJSIaprx[7:1803], 1))[1:1796]	datDJSIretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJSIretOUTSAt175))	DJSIESHIt175<-ES(datDJSIretOUTSAt175$rev.DJSIretOUTSAt175, p=0.975, method="historical")
DJSI	176	6	1802	2019-02-23	2019-02-23	DJSIretOUTSAt176<-ln(DJSIaprx[6:1802] /lead(DJSIaprx[6:1802], 1))[1:1796]	datDJSIretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJSIretOUTSAt176))	DJSIESHIt176<-ES(datDJSIretOUTSAt176$rev.DJSIretOUTSAt176, p=0.975, method="historical")
DJSI	177	5	1801	2019-02-24	2019-02-24	DJSIretOUTSAt177<-ln(DJSIaprx[5:1801] /lead(DJSIaprx[5:1801], 1))[1:1796]	datDJSIretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJSIretOUTSAt177))	DJSIESHIt177<-ES(datDJSIretOUTSAt177$rev.DJSIretOUTSAt177, p=0.975, method="historical")
DJSI	178	4	1800	2019-02-25	2019-02-25	DJSIretOUTSAt178<-ln(DJSIaprx[4:1800] /lead(DJSIaprx[4:1800], 1))[1:1796]	datDJSIretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJSIretOUTSAt178))	DJSIESHIt178<-ES(datDJSIretOUTSAt178$rev.DJSIretOUTSAt178, p=0.975, method="historical")
DJSI	179	3	1799	2019-02-26	2019-02-26	DJSIretOUTSAt179<-ln(DJSIaprx[3:1799] /lead(DJSIaprx[3:1799], 1))[1:1796]	datDJSIretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJSIretOUTSAt179))	DJSIESHIt179<-ES(datDJSIretOUTSAt179$rev.DJSIretOUTSAt179, p=0.975, method="historical")
DJSI	180	2	1798	2019-02-27	2019-02-27	DJSIretOUTSAt180<-ln(DJSIaprx[2:1798] /lead(DJSIaprx[2:1798], 1))[1:1796]	datDJSIretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJSIretOUTSAt180))	DJSIESHIt180<-ES(datDJSIretOUTSAt180$rev.DJSIretOUTSAt180, p=0.975, method="historical")
DJSI	181	1	1797	2019-02-28	2019-02-28	DJSIretOUTSAt181<-ln(DJSIaprx[1:1797] /lead(DJSIaprx[1:1797], 1))[1:1796]	datDJSIretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJSIretOUTSAt181))	DJSIESHIt181<-ES(datDJSIretOUTSAt181$rev.DJSIretOUTSAt181, p=0.975, method="historical")
#DJSU								
DJSU	1	181	1977	2018-09-01	2018-09-01	DJSUretOUTSAt1<-ln(DJSUaprx[181:1977] /lead(DJSUaprx[181:1977], 1))[1:1796]	datDJSUretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJSUretOUTSAt1))	DJSUESHIt1<-ES(datDJSUretOUTSAt1$rev.DJSUretOUTSAt1, p=0.975, method="historical")
DJSU	2	180	1976	2018-09-02	2018-09-02	DJSUretOUTSAt2<-ln(DJSUaprx[180:1976] /lead(DJSUaprx[180:1976], 1))[1:1796]	datDJSUretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJSUretOUTSAt2))	DJSUESHIt2<-ES(datDJSUretOUTSAt2$rev.DJSUretOUTSAt2, p=0.975, method="historical")
DJSU	3	179	1975	2018-09-03	2018-09-03	DJSUretOUTSAt3<-ln(DJSUaprx[179:1975] /lead(DJSUaprx[179:1975], 1))[1:1796]	datDJSUretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJSUretOUTSAt3))	DJSUESHIt3<-ES(datDJSUretOUTSAt3$rev.DJSUretOUTSAt3, p=0.975, method="historical")
DJSU	4	178	1974	2018-09-04	2018-09-04	DJSUretOUTSAt4<-ln(DJSUaprx[178:1974] /lead(DJSUaprx[178:1974], 1))[1:1796]	datDJSUretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJSUretOUTSAt4))	DJSUESHIt4<-ES(datDJSUretOUTSAt4$rev.DJSUretOUTSAt4, p=0.975, method="historical")
DJSU	5	177	1973	2018-09-05	2018-09-05	DJSUretOUTSAt5<-ln(DJSUaprx[177:1973] /lead(DJSUaprx[177:1973], 1))[1:1796]	datDJSUretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJSUretOUTSAt5))	DJSUESHIt5<-ES(datDJSUretOUTSAt5$rev.DJSUretOUTSAt5, p=0.975, method="historical")
DJSU	6	176	1972	2018-09-06	2018-09-06	DJSUretOUTSAt6<-ln(DJSUaprx[176:1972] /lead(DJSUaprx[176:1972], 1))[1:1796]	datDJSUretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJSUretOUTSAt6))	DJSUESHIt6<-ES(datDJSUretOUTSAt6$rev.DJSUretOUTSAt6, p=0.975, method="historical")
DJSU	7	175	1971	2018-09-07	2018-09-07	DJSUretOUTSAt7<-ln(DJSUaprx[175:1971] /lead(DJSUaprx[175:1971], 1))[1:1796]	datDJSUretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJSUretOUTSAt7))	DJSUESHIt7<-ES(datDJSUretOUTSAt7$rev.DJSUretOUTSAt7, p=0.975, method="historical")
DJSU	8	174	1970	2018-09-08	2018-09-08	DJSUretOUTSAt8<-ln(DJSUaprx[174:1970] /lead(DJSUaprx[174:1970], 1))[1:1796]	datDJSUretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJSUretOUTSAt8))	DJSUESHIt8<-ES(datDJSUretOUTSAt8$rev.DJSUretOUTSAt8, p=0.975, method="historical")
DJSU	9	173	1969	2018-09-09	2018-09-09	DJSUretOUTSAt9<-ln(DJSUaprx[173:1969] /lead(DJSUaprx[173:1969], 1))[1:1796]	datDJSUretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJSUretOUTSAt9))	DJSUESHIt9<-ES(datDJSUretOUTSAt9$rev.DJSUretOUTSAt9, p=0.975, method="historical")
DJSU	10	172	1968	2018-09-10	2018-09-10	DJSUretOUTSAt10<-ln(DJSUaprx[172:1968] /lead(DJSUaprx[172:1968], 1))[1:1796]	datDJSUretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJSUretOUTSAt10))	DJSUESHIt10<-ES(datDJSUretOUTSAt10$rev.DJSUretOUTSAt10, p=0.975, method="historical")
DJSU	11	171	1967	2018-09-11	2018-09-11	DJSUretOUTSAt11<-ln(DJSUaprx[171:1967] /lead(DJSUaprx[171:1967], 1))[1:1796]	datDJSUretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJSUretOUTSAt11))	DJSUESHIt11<-ES(datDJSUretOUTSAt11$rev.DJSUretOUTSAt11, p=0.975, method="historical")
DJSU	12	170	1966	2018-09-12	2018-09-12	DJSUretOUTSAt12<-ln(DJSUaprx[170:1966] /lead(DJSUaprx[170:1966], 1))[1:1796]	datDJSUretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJSUretOUTSAt12))	DJSUESHIt12<-ES(datDJSUretOUTSAt12$rev.DJSUretOUTSAt12, p=0.975, method="historical")
DJSU	13	169	1965	2018-09-13	2018-09-13	DJSUretOUTSAt13<-ln(DJSUaprx[169:1965] /lead(DJSUaprx[169:1965], 1))[1:1796]	datDJSUretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJSUretOUTSAt13))	DJSUESHIt13<-ES(datDJSUretOUTSAt13$rev.DJSUretOUTSAt13, p=0.975, method="historical")
DJSU	14	168	1964	2018-09-14	2018-09-14	DJSUretOUTSAt14<-ln(DJSUaprx[168:1964] /lead(DJSUaprx[168:1964], 1))[1:1796]	datDJSUretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJSUretOUTSAt14))	DJSUESHIt14<-ES(datDJSUretOUTSAt14$rev.DJSUretOUTSAt14, p=0.975, method="historical")
DJSU	15	167	1963	2018-09-15	2018-09-15	DJSUretOUTSAt15<-ln(DJSUaprx[167:1963] /lead(DJSUaprx[167:1963], 1))[1:1796]	datDJSUretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJSUretOUTSAt15))	DJSUESHIt15<-ES(datDJSUretOUTSAt15$rev.DJSUretOUTSAt15, p=0.975, method="historical")
DJSU	16	166	1962	2018-09-16	2018-09-16	DJSUretOUTSAt16<-ln(DJSUaprx[166:1962] /lead(DJSUaprx[166:1962], 1))[1:1796]	datDJSUretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJSUretOUTSAt16))	DJSUESHIt16<-ES(datDJSUretOUTSAt16$rev.DJSUretOUTSAt16, p=0.975, method="historical")
DJSU	17	165	1961	2018-09-17	2018-09-17	DJSUretOUTSAt17<-ln(DJSUaprx[165:1961] /lead(DJSUaprx[165:1961], 1))[1:1796]	datDJSUretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJSUretOUTSAt17))	DJSUESHIt17<-ES(datDJSUretOUTSAt17$rev.DJSUretOUTSAt17, p=0.975, method="historical")
DJSU	18	164	1960	2018-09-18	2018-09-18	DJSUretOUTSAt18<-ln(DJSUaprx[164:1960] /lead(DJSUaprx[164:1960], 1))[1:1796]	datDJSUretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJSUretOUTSAt18))	DJSUESHIt18<-ES(datDJSUretOUTSAt18$rev.DJSUretOUTSAt18, p=0.975, method="historical")
DJSU	19	163	1959	2018-09-19	2018-09-19	DJSUretOUTSAt19<-ln(DJSUaprx[163:1959] /lead(DJSUaprx[163:1959], 1))[1:1796]	datDJSUretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJSUretOUTSAt19))	DJSUESHIt19<-ES(datDJSUretOUTSAt19$rev.DJSUretOUTSAt19, p=0.975, method="historical")
DJSU	20	162	1958	2018-09-20	2018-09-20	DJSUretOUTSAt20<-ln(DJSUaprx[162:1958] /lead(DJSUaprx[162:1958], 1))[1:1796]	datDJSUretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJSUretOUTSAt20))	DJSUESHIt20<-ES(datDJSUretOUTSAt20$rev.DJSUretOUTSAt20, p=0.975, method="historical")
DJSU	21	161	1957	2018-09-21	2018-09-21	DJSUretOUTSAt21<-ln(DJSUaprx[161:1957] /lead(DJSUaprx[161:1957], 1))[1:1796]	datDJSUretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJSUretOUTSAt21))	DJSUESHIt21<-ES(datDJSUretOUTSAt21$rev.DJSUretOUTSAt21, p=0.975, method="historical")
DJSU	22	160	1956	2018-09-22	2018-09-22	DJSUretOUTSAt22<-ln(DJSUaprx[160:1956] /lead(DJSUaprx[160:1956], 1))[1:1796]	datDJSUretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJSUretOUTSAt22))	DJSUESHIt22<-ES(datDJSUretOUTSAt22$rev.DJSUretOUTSAt22, p=0.975, method="historical")
DJSU	23	159	1955	2018-09-23	2018-09-23	DJSUretOUTSAt23<-ln(DJSUaprx[159:1955] /lead(DJSUaprx[159:1955], 1))[1:1796]	datDJSUretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJSUretOUTSAt23))	DJSUESHIt23<-ES(datDJSUretOUTSAt23$rev.DJSUretOUTSAt23, p=0.975, method="historical")
DJSU	24	158	1954	2018-09-24	2018-09-24	DJSUretOUTSAt24<-ln(DJSUaprx[158:1954] /lead(DJSUaprx[158:1954], 1))[1:1796]	datDJSUretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJSUretOUTSAt24))	DJSUESHIt24<-ES(datDJSUretOUTSAt24$rev.DJSUretOUTSAt24, p=0.975, method="historical")
DJSU	25	157	1953	2018-09-25	2018-09-25	DJSUretOUTSAt25<-ln(DJSUaprx[157:1953] /lead(DJSUaprx[157:1953], 1))[1:1796]	datDJSUretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJSUretOUTSAt25))	DJSUESHIt25<-ES(datDJSUretOUTSAt25$rev.DJSUretOUTSAt25, p=0.975, method="historical")
DJSU	26	156	1952	2018-09-26	2018-09-26	DJSUretOUTSAt26<-ln(DJSUaprx[156:1952] /lead(DJSUaprx[156:1952], 1))[1:1796]	datDJSUretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJSUretOUTSAt26))	DJSUESHIt26<-ES(datDJSUretOUTSAt26$rev.DJSUretOUTSAt26, p=0.975, method="historical")
DJSU	27	155	1951	2018-09-27	2018-09-27	DJSUretOUTSAt27<-ln(DJSUaprx[155:1951] /lead(DJSUaprx[155:1951], 1))[1:1796]	datDJSUretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJSUretOUTSAt27))	DJSUESHIt27<-ES(datDJSUretOUTSAt27$rev.DJSUretOUTSAt27, p=0.975, method="historical")
DJSU	28	154	1950	2018-09-28	2018-09-28	DJSUretOUTSAt28<-ln(DJSUaprx[154:1950] /lead(DJSUaprx[154:1950], 1))[1:1796]	datDJSUretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJSUretOUTSAt28))	DJSUESHIt28<-ES(datDJSUretOUTSAt28$rev.DJSUretOUTSAt28, p=0.975, method="historical")
DJSU	29	153	1949	2018-09-29	2018-09-29	DJSUretOUTSAt29<-ln(DJSUaprx[153:1949] /lead(DJSUaprx[153:1949], 1))[1:1796]	datDJSUretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJSUretOUTSAt29))	DJSUESHIt29<-ES(datDJSUretOUTSAt29$rev.DJSUretOUTSAt29, p=0.975, method="historical")
DJSU	30	152	1948	2018-09-30	2018-09-30	DJSUretOUTSAt30<-ln(DJSUaprx[152:1948] /lead(DJSUaprx[152:1948], 1))[1:1796]	datDJSUretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJSUretOUTSAt30))	DJSUESHIt30<-ES(datDJSUretOUTSAt30$rev.DJSUretOUTSAt30, p=0.975, method="historical")
DJSU	31	151	1947	2018-10-01	2018-10-01	DJSUretOUTSAt31<-ln(DJSUaprx[151:1947] /lead(DJSUaprx[151:1947], 1))[1:1796]	datDJSUretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJSUretOUTSAt31))	DJSUESHIt31<-ES(datDJSUretOUTSAt31$rev.DJSUretOUTSAt31, p=0.975, method="historical")
DJSU	32	150	1946	2018-10-02	2018-10-02	DJSUretOUTSAt32<-ln(DJSUaprx[150:1946] /lead(DJSUaprx[150:1946], 1))[1:1796]	datDJSUretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJSUretOUTSAt32))	DJSUESHIt32<-ES(datDJSUretOUTSAt32$rev.DJSUretOUTSAt32, p=0.975, method="historical")
DJSU	33	149	1945	2018-10-03	2018-10-03	DJSUretOUTSAt33<-ln(DJSUaprx[149:1945] /lead(DJSUaprx[149:1945], 1))[1:1796]	datDJSUretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJSUretOUTSAt33))	DJSUESHIt33<-ES(datDJSUretOUTSAt33$rev.DJSUretOUTSAt33, p=0.975, method="historical")
DJSU	34	148	1944	2018-10-04	2018-10-04	DJSUretOUTSAt34<-ln(DJSUaprx[148:1944] /lead(DJSUaprx[148:1944], 1))[1:1796]	datDJSUretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJSUretOUTSAt34))	DJSUESHIt34<-ES(datDJSUretOUTSAt34$rev.DJSUretOUTSAt34, p=0.975, method="historical")
DJSU	35	147	1943	2018-10-05	2018-10-05	DJSUretOUTSAt35<-ln(DJSUaprx[147:1943] /lead(DJSUaprx[147:1943], 1))[1:1796]	datDJSUretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJSUretOUTSAt35))	DJSUESHIt35<-ES(datDJSUretOUTSAt35$rev.DJSUretOUTSAt35, p=0.975, method="historical")
DJSU	36	146	1942	2018-10-06	2018-10-06	DJSUretOUTSAt36<-ln(DJSUaprx[146:1942] /lead(DJSUaprx[146:1942], 1))[1:1796]	datDJSUretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJSUretOUTSAt36))	DJSUESHIt36<-ES(datDJSUretOUTSAt36$rev.DJSUretOUTSAt36, p=0.975, method="historical")
DJSU	37	145	1941	2018-10-07	2018-10-07	DJSUretOUTSAt37<-ln(DJSUaprx[145:1941] /lead(DJSUaprx[145:1941], 1))[1:1796]	datDJSUretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJSUretOUTSAt37))	DJSUESHIt37<-ES(datDJSUretOUTSAt37$rev.DJSUretOUTSAt37, p=0.975, method="historical")
DJSU	38	144	1940	2018-10-08	2018-10-08	DJSUretOUTSAt38<-ln(DJSUaprx[144:1940] /lead(DJSUaprx[144:1940], 1))[1:1796]	datDJSUretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJSUretOUTSAt38))	DJSUESHIt38<-ES(datDJSUretOUTSAt38$rev.DJSUretOUTSAt38, p=0.975, method="historical")
DJSU	39	143	1939	2018-10-09	2018-10-09	DJSUretOUTSAt39<-ln(DJSUaprx[143:1939] /lead(DJSUaprx[143:1939], 1))[1:1796]	datDJSUretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJSUretOUTSAt39))	DJSUESHIt39<-ES(datDJSUretOUTSAt39$rev.DJSUretOUTSAt39, p=0.975, method="historical")
DJSU	40	142	1938	2018-10-10	2018-10-10	DJSUretOUTSAt40<-ln(DJSUaprx[142:1938] /lead(DJSUaprx[142:1938], 1))[1:1796]	datDJSUretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJSUretOUTSAt40))	DJSUESHIt40<-ES(datDJSUretOUTSAt40$rev.DJSUretOUTSAt40, p=0.975, method="historical")
DJSU	41	141	1937	2018-10-11	2018-10-11	DJSUretOUTSAt41<-ln(DJSUaprx[141:1937] /lead(DJSUaprx[141:1937], 1))[1:1796]	datDJSUretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJSUretOUTSAt41))	DJSUESHIt41<-ES(datDJSUretOUTSAt41$rev.DJSUretOUTSAt41, p=0.975, method="historical")
DJSU	42	140	1936	2018-10-12	2018-10-12	DJSUretOUTSAt42<-ln(DJSUaprx[140:1936] /lead(DJSUaprx[140:1936], 1))[1:1796]	datDJSUretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJSUretOUTSAt42))	DJSUESHIt42<-ES(datDJSUretOUTSAt42$rev.DJSUretOUTSAt42, p=0.975, method="historical")
DJSU	43	139	1935	2018-10-13	2018-10-13	DJSUretOUTSAt43<-ln(DJSUaprx[139:1935] /lead(DJSUaprx[139:1935], 1))[1:1796]	datDJSUretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJSUretOUTSAt43))	DJSUESHIt43<-ES(datDJSUretOUTSAt43$rev.DJSUretOUTSAt43, p=0.975, method="historical")
DJSU	44	138	1934	2018-10-14	2018-10-14	DJSUretOUTSAt44<-ln(DJSUaprx[138:1934] /lead(DJSUaprx[138:1934], 1))[1:1796]	datDJSUretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJSUretOUTSAt44))	DJSUESHIt44<-ES(datDJSUretOUTSAt44$rev.DJSUretOUTSAt44, p=0.975, method="historical")
DJSU	45	137	1933	2018-10-15	2018-10-15	DJSUretOUTSAt45<-ln(DJSUaprx[137:1933] /lead(DJSUaprx[137:1933], 1))[1:1796]	datDJSUretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJSUretOUTSAt45))	DJSUESHIt45<-ES(datDJSUretOUTSAt45$rev.DJSUretOUTSAt45, p=0.975, method="historical")
DJSU	46	136	1932	2018-10-16	2018-10-16	DJSUretOUTSAt46<-ln(DJSUaprx[136:1932] /lead(DJSUaprx[136:1932], 1))[1:1796]	datDJSUretOUTSAt46<- data

DJSU	103	79	1875	2018-12-12	2018-12-12	DJSUretOUTSAt103:-ln(DJSUaprx[79:1875]/lead(DJSUaprx[79:1875], 1))[1:1796]	datDJSUretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJSUretOUTSAt103))	DJSUESHIt103<-ES(datDJSUretOUTSAt103$rev.DJSUretOUTSAt103, p=0.975, method="historical")
DJSU	104	78	1874	2018-12-13	2018-12-13	DJSUretOUTSAt104:-ln(DJSUaprx[78:1874]/lead(DJSUaprx[78:1874], 1))[1:1796]	datDJSUretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJSUretOUTSAt104))	DJSUESHIt104<-ES(datDJSUretOUTSAt104$rev.DJSUretOUTSAt104, p=0.975, method="historical")
DJSU	105	77	1873	2018-12-14	2018-12-14	DJSUretOUTSAt105:-ln(DJSUaprx[77:1873]/lead(DJSUaprx[77:1873], 1))[1:1796]	datDJSUretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJSUretOUTSAt105))	DJSUESHIt105<-ES(datDJSUretOUTSAt105$rev.DJSUretOUTSAt105, p=0.975, method="historical")
DJSU	106	76	1872	2018-12-15	2018-12-15	DJSUretOUTSAt106:-ln(DJSUaprx[76:1872]/lead(DJSUaprx[76:1872], 1))[1:1796]	datDJSUretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJSUretOUTSAt106))	DJSUESHIt106<-ES(datDJSUretOUTSAt106$rev.DJSUretOUTSAt106, p=0.975, method="historical")
DJSU	107	75	1871	2018-12-16	2018-12-16	DJSUretOUTSAt107:-ln(DJSUaprx[75:1871]/lead(DJSUaprx[75:1871], 1))[1:1796]	datDJSUretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJSUretOUTSAt107))	DJSUESHIt107<-ES(datDJSUretOUTSAt107$rev.DJSUretOUTSAt107, p=0.975, method="historical")
DJSU	108	74	1870	2018-12-17	2018-12-17	DJSUretOUTSAt108:-ln(DJSUaprx[74:1870]/lead(DJSUaprx[74:1870], 1))[1:1796]	datDJSUretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJSUretOUTSAt108))	DJSUESHIt108<-ES(datDJSUretOUTSAt108$rev.DJSUretOUTSAt108, p=0.975, method="historical")
DJSU	109	73	1869	2018-12-18	2018-12-18	DJSUretOUTSAt109:-ln(DJSUaprx[73:1869]/lead(DJSUaprx[73:1869], 1))[1:1796]	datDJSUretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJSUretOUTSAt109))	DJSUESHIt109<-ES(datDJSUretOUTSAt109$rev.DJSUretOUTSAt109, p=0.975, method="historical")
DJSU	110	72	1868	2018-12-19	2018-12-19	DJSUretOUTSAt110:-ln(DJSUaprx[72:1868]/lead(DJSUaprx[72:1868], 1))[1:1796]	datDJSUretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJSUretOUTSAt110))	DJSUESHIt110<-ES(datDJSUretOUTSAt110$rev.DJSUretOUTSAt110, p=0.975, method="historical")
DJSU	111	71	1867	2018-12-20	2018-12-20	DJSUretOUTSAt111:-ln(DJSUaprx[71:1867]/lead(DJSUaprx[71:1867], 1))[1:1796]	datDJSUretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJSUretOUTSAt111))	DJSUESHIt111<-ES(datDJSUretOUTSAt111$rev.DJSUretOUTSAt111, p=0.975, method="historical")
DJSU	112	70	1866	2018-12-21	2018-12-21	DJSUretOUTSAt112:-ln(DJSUaprx[70:1866]/lead(DJSUaprx[70:1866], 1))[1:1796]	datDJSUretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJSUretOUTSAt112))	DJSUESHIt112<-ES(datDJSUretOUTSAt112$rev.DJSUretOUTSAt112, p=0.975, method="historical")
DJSU	113	69	1865	2018-12-22	2018-12-22	DJSUretOUTSAt113:-ln(DJSUaprx[69:1865]/lead(DJSUaprx[69:1865], 1))[1:1796]	datDJSUretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJSUretOUTSAt113))	DJSUESHIt113<-ES(datDJSUretOUTSAt113$rev.DJSUretOUTSAt113, p=0.975, method="historical")
DJSU	114	68	1864	2018-12-23	2018-12-23	DJSUretOUTSAt114:-ln(DJSUaprx[68:1864]/lead(DJSUaprx[68:1864], 1))[1:1796]	datDJSUretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJSUretOUTSAt114))	DJSUESHIt114<-ES(datDJSUretOUTSAt114$rev.DJSUretOUTSAt114, p=0.975, method="historical")
DJSU	115	67	1863	2018-12-24	2018-12-24	DJSUretOUTSAt115:-ln(DJSUaprx[67:1863]/lead(DJSUaprx[67:1863], 1))[1:1796]	datDJSUretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJSUretOUTSAt115))	DJSUESHIt115<-ES(datDJSUretOUTSAt115$rev.DJSUretOUTSAt115, p=0.975, method="historical")
DJSU	116	66	1862	2018-12-25	2018-12-25	DJSUretOUTSAt116:-ln(DJSUaprx[66:1862]/lead(DJSUaprx[66:1862], 1))[1:1796]	datDJSUretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJSUretOUTSAt116))	DJSUESHIt116<-ES(datDJSUretOUTSAt116$rev.DJSUretOUTSAt116, p=0.975, method="historical")
DJSU	117	65	1861	2018-12-26	2018-12-26	DJSUretOUTSAt117:-ln(DJSUaprx[65:1861]/lead(DJSUaprx[65:1861], 1))[1:1796]	datDJSUretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJSUretOUTSAt117))	DJSUESHIt117<-ES(datDJSUretOUTSAt117$rev.DJSUretOUTSAt117, p=0.975, method="historical")
DJSU	118	64	1860	2018-12-27	2018-12-27	DJSUretOUTSAt118:-ln(DJSUaprx[64:1860]/lead(DJSUaprx[64:1860], 1))[1:1796]	datDJSUretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJSUretOUTSAt118))	DJSUESHIt118<-ES(datDJSUretOUTSAt118$rev.DJSUretOUTSAt118, p=0.975, method="historical")
DJSU	119	63	1859	2018-12-28	2018-12-28	DJSUretOUTSAt119:-ln(DJSUaprx[63:1859]/lead(DJSUaprx[63:1859], 1))[1:1796]	datDJSUretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJSUretOUTSAt119))	DJSUESHIt119<-ES(datDJSUretOUTSAt119$rev.DJSUretOUTSAt119, p=0.975, method="historical")
DJSU	120	62	1858	2018-12-29	2018-12-29	DJSUretOUTSAt120:-ln(DJSUaprx[62:1858]/lead(DJSUaprx[62:1858], 1))[1:1796]	datDJSUretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJSUretOUTSAt120))	DJSUESHIt120<-ES(datDJSUretOUTSAt120$rev.DJSUretOUTSAt120, p=0.975, method="historical")
DJSU	121	61	1857	2018-12-30	2018-12-30	DJSUretOUTSAt121:-ln(DJSUaprx[61:1857]/lead(DJSUaprx[61:1857], 1))[1:1796]	datDJSUretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJSUretOUTSAt121))	DJSUESHIt121<-ES(datDJSUretOUTSAt121$rev.DJSUretOUTSAt121, p=0.975, method="historical")
DJSU	122	60	1856	2018-12-31	2018-12-31	DJSUretOUTSAt122:-ln(DJSUaprx[60:1856]/lead(DJSUaprx[60:1856], 1))[1:1796]	datDJSUretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJSUretOUTSAt122))	DJSUESHIt122<-ES(datDJSUretOUTSAt122$rev.DJSUretOUTSAt122, p=0.975, method="historical")
DJSU	123	59	1855	2019-01-01	2019-01-01	DJSUretOUTSAt123:-ln(DJSUaprx[59:1855]/lead(DJSUaprx[59:1855], 1))[1:1796]	datDJSUretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJSUretOUTSAt123))	DJSUESHIt123<-ES(datDJSUretOUTSAt123$rev.DJSUretOUTSAt123, p=0.975, method="historical")
DJSU	124	58	1854	2019-01-02	2019-01-02	DJSUretOUTSAt124:-ln(DJSUaprx[58:1854]/lead(DJSUaprx[58:1854], 1))[1:1796]	datDJSUretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJSUretOUTSAt124))	DJSUESHIt124<-ES(datDJSUretOUTSAt124$rev.DJSUretOUTSAt124, p=0.975, method="historical")
DJSU	125	57	1853	2019-01-03	2019-01-03	DJSUretOUTSAt125:-ln(DJSUaprx[57:1853]/lead(DJSUaprx[57:1853], 1))[1:1796]	datDJSUretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJSUretOUTSAt125))	DJSUESHIt125<-ES(datDJSUretOUTSAt125$rev.DJSUretOUTSAt125, p=0.975, method="historical")
DJSU	126	56	1852	2019-01-04	2019-01-04	DJSUretOUTSAt126:-ln(DJSUaprx[56:1852]/lead(DJSUaprx[56:1852], 1))[1:1796]	datDJSUretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJSUretOUTSAt126))	DJSUESHIt126<-ES(datDJSUretOUTSAt126$rev.DJSUretOUTSAt126, p=0.975, method="historical")
DJSU	127	55	1851	2019-01-05	2019-01-05	DJSUretOUTSAt127:-ln(DJSUaprx[55:1851]/lead(DJSUaprx[55:1851], 1))[1:1796]	datDJSUretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJSUretOUTSAt127))	DJSUESHIt127<-ES(datDJSUretOUTSAt127$rev.DJSUretOUTSAt127, p=0.975, method="historical")
DJSU	128	54	1850	2019-01-06	2019-01-06	DJSUretOUTSAt128:-ln(DJSUaprx[54:1850]/lead(DJSUaprx[54:1850], 1))[1:1796]	datDJSUretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJSUretOUTSAt128))	DJSUESHIt128<-ES(datDJSUretOUTSAt128$rev.DJSUretOUTSAt128, p=0.975, method="historical")
DJSU	129	53	1849	2019-01-07	2019-01-07	DJSUretOUTSAt129:-ln(DJSUaprx[53:1849]/lead(DJSUaprx[53:1849], 1))[1:1796]	datDJSUretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJSUretOUTSAt129))	DJSUESHIt129<-ES(datDJSUretOUTSAt129$rev.DJSUretOUTSAt129, p=0.975, method="historical")
DJSU	130	52	1848	2019-01-08	2019-01-08	DJSUretOUTSAt130:-ln(DJSUaprx[52:1848]/lead(DJSUaprx[52:1848], 1))[1:1796]	datDJSUretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJSUretOUTSAt130))	DJSUESHIt130<-ES(datDJSUretOUTSAt130$rev.DJSUretOUTSAt130, p=0.975, method="historical")
DJSU	131	51	1847	2019-01-09	2019-01-09	DJSUretOUTSAt131:-ln(DJSUaprx[51:1847]/lead(DJSUaprx[51:1847], 1))[1:1796]	datDJSUretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJSUretOUTSAt131))	DJSUESHIt131<-ES(datDJSUretOUTSAt131$rev.DJSUretOUTSAt131, p=0.975, method="historical")
DJSU	132	50	1846	2019-01-10	2019-01-10	DJSUretOUTSAt132:-ln(DJSUaprx[50:1846]/lead(DJSUaprx[50:1846], 1))[1:1796]	datDJSUretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJSUretOUTSAt132))	DJSUESHIt132<-ES(datDJSUretOUTSAt132$rev.DJSUretOUTSAt132, p=0.975, method="historical")
DJSU	133	49	1845	2019-01-11	2019-01-11	DJSUretOUTSAt133:-ln(DJSUaprx[49:1845]/lead(DJSUaprx[49:1845], 1))[1:1796]	datDJSUretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJSUretOUTSAt133))	DJSUESHIt133<-ES(datDJSUretOUTSAt133$rev.DJSUretOUTSAt133, p=0.975, method="historical")
DJSU	134	48	1844	2019-01-12	2019-01-12	DJSUretOUTSAt134:-ln(DJSUaprx[48:1844]/lead(DJSUaprx[48:1844], 1))[1:1796]	datDJSUretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJSUretOUTSAt134))	DJSUESHIt134<-ES(datDJSUretOUTSAt134$rev.DJSUretOUTSAt134, p=0.975, method="historical")
DJSU	135	47	1843	2019-01-13	2019-01-13	DJSUretOUTSAt135:-ln(DJSUaprx[47:1843]/lead(DJSUaprx[47:1843], 1))[1:1796]	datDJSUretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJSUretOUTSAt135))	DJSUESHIt135<-ES(datDJSUretOUTSAt135$rev.DJSUretOUTSAt135, p=0.975, method="historical")
DJSU	136	46	1842	2019-01-14	2019-01-14	DJSUretOUTSAt136:-ln(DJSUaprx[46:1842]/lead(DJSUaprx[46:1842], 1))[1:1796]	datDJSUretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJSUretOUTSAt136))	DJSUESHIt136<-ES(datDJSUretOUTSAt136$rev.DJSUretOUTSAt136, p=0.975, method="historical")
DJSU	137	45	1841	2019-01-15	2019-01-15	DJSUretOUTSAt137:-ln(DJSUaprx[45:1841]/lead(DJSUaprx[45:1841], 1))[1:1796]	datDJSUretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJSUretOUTSAt137))	DJSUESHIt137<-ES(datDJSUretOUTSAt137$rev.DJSUretOUTSAt137, p=0.975, method="historical")
DJSU	138	44	1840	2019-01-16	2019-01-16	DJSUretOUTSAt138:-ln(DJSUaprx[44:1840]/lead(DJSUaprx[44:1840], 1))[1:1796]	datDJSUretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJSUretOUTSAt138))	DJSUESHIt138<-ES(datDJSUretOUTSAt138$rev.DJSUretOUTSAt138, p=0.975, method="historical")
DJSU	139	43	1839	2019-01-17	2019-01-17	DJSUretOUTSAt139:-ln(DJSUaprx[43:1839]/lead(DJSUaprx[43:1839], 1))[1:1796]	datDJSUretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJSUretOUTSAt139))	DJSUESHIt139<-ES(datDJSUretOUTSAt139$rev.DJSUretOUTSAt139, p=0.975, method="historical")
DJSU	140	42	1838	2019-01-18	2019-01-18	DJSUretOUTSAt140:-ln(DJSUaprx[42:1838]/lead(DJSUaprx[42:1838], 1))[1:1796]	datDJSUretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJSUretOUTSAt140))	DJSUESHIt140<-ES(datDJSUretOUTSAt140$rev.DJSUretOUTSAt140, p=0.975, method="historical")
DJSU	141	41	1837	2019-01-19	2019-01-19	DJSUretOUTSAt141:-ln(DJSUaprx[41:1837]/lead(DJSUaprx[41:1837], 1))[1:1796]	datDJSUretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJSUretOUTSAt141))	DJSUESHIt141<-ES(datDJSUretOUTSAt141$rev.DJSUretOUTSAt141, p=0.975, method="historical")
DJSU	142	40	1836	2019-01-20	2019-01-20	DJSUretOUTSAt142:-ln(DJSUaprx[40:1836]/lead(DJSUaprx[40:1836], 1))[1:1796]	datDJSUretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJSUretOUTSAt142))	DJSUESHIt142<-ES(datDJSUretOUTSAt142$rev.DJSUretOUTSAt142, p=0.975, method="historical")
DJSU	143	39	1835	2019-01-21	2019-01-21	DJSUretOUTSAt143:-ln(DJSUaprx[39:1835]/lead(DJSUaprx[39:1835], 1))[1:1796]	datDJSUretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJSUretOUTSAt143))	DJSUESHIt143<-ES(datDJSUretOUTSAt143$rev.DJSUretOUTSAt143, p=0.975, method="historical")
DJSU	144	38	1834	2019-01-22	2019-01-22	DJSUretOUTSAt144:-ln(DJSUaprx[38:1834]/lead(DJSUaprx[38:1834], 1))[1:1796]	datDJSUretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJSUretOUTSAt144))	DJSUESHIt144<-ES(datDJSUretOUTSAt144$rev.DJSUretOUTSAt144, p=0.975, method="historical")
DJSU	145	37	1833	2019-01-23	2019-01-23	DJSUretOUTSAt145:-ln(DJSUaprx[37:1833]/lead(DJSUaprx[37:1833], 1))[1:1796]	datDJSUretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJSUretOUTSAt145))	DJSUESHIt145<-ES(datDJSUretOUTSAt145$rev.DJSUretOUTSAt145, p=0.975, method="historical")
DJSU	146	36	1832	2019-01-24	2019-01-24	DJSUretOUTSAt146:-ln(DJSUaprx[36:1832]/lead(DJSUaprx[36:1832], 1))[1:1796]	datDJSUretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJSUretOUTSAt146))	DJSUESHIt146<-ES(datDJSUretOUTSAt146$rev.DJSUretOUTSAt146, p=0.975, method="historical")
DJSU	147	35	1831	2019-01-25	2019-01-25	DJSUretOUTSAt147:-ln(DJSUaprx[35:1831]/lead(DJSUaprx[35:1831], 1))[1:1796]	datDJSUretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJSUretOUTSAt147))	DJSUESHIt147<-ES(datDJSUretOUTSAt147$rev.DJSUretOUTSAt147, p=0.975, method="historical")
DJSU	148	34	1830	2019-01-26	2019-01-26	DJSUretOUTSAt148:-ln(DJSUaprx[34:1830]/lead(DJSUaprx[34:1830], 1))[1:1796]	datDJSUretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJSUretOUTSAt148))	DJSUESHIt148<-ES(datDJSUretOUTSAt148$rev.DJSUretOUTSAt148, p=0.975, method="historical")
DJSU	149	33	1829	2019-01-27	2019-01-27	DJSUretOUTSAt149:-ln(DJSUaprx[33:1829]/lead(DJSUaprx[33:1829], 1))[1:1796]	datDJSUretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJSUretOUTSAt149))	DJSUESHIt149<-ES(datDJSUretOUTSAt149$rev.DJSUretOUTSAt149, p=0.975, method="historical")
DJSU	150	32	1828	2019-01-28	2019-01-28	DJSUretOUTSAt150:-ln(DJSUaprx[32:1828]/lead(DJSUaprx[32:1828], 1))[1:1796]	datDJSUretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJSUretOUTSAt150))	DJSUESHIt150<-ES(datDJSUretOUTSAt150$rev.DJSUretOUTSAt150, p=0.975, method="historical")
DJSU	151	31	1827	2019-01-29	2019-01-29	DJSUretOUTSAt151:-ln(DJSUaprx[31:1827]/lead(DJSUaprx[31:1827], 1))[1:1796]	datDJSUretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJSUretOUTSAt151))	DJSUESHIt151<-ES(datDJSUretOUTSAt151$rev.DJSUretOUTSAt151, p=0.975, method="historical")
DJSU	152	30	1826	2019-01-30	2019-01-30	DJSUretOUTSAt152:-ln(DJSUaprx[30:1826]/lead(DJSUaprx[30:1826], 1))[1:1796]	datDJSUretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJSUretOUTSAt152))	DJSUESHIt152<-ES(datDJSUretOUTSAt152$rev.DJSUretOUTSAt152, p=0.975, method="historical")
DJSU	153	29	1825	2019-01-31	2019-01-31	DJSUretOUTSAt153:-ln(DJSUaprx[29:1825]/lead(DJSUaprx[29:1825], 1))[1:1796]	datDJSUretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJSUretOUTSAt153))	DJSUESHIt153<-ES(datDJSUretOUTSAt153$rev.DJSUretOUTSAt153, p=0.975, method="historical")
DJSU	154	28	1824	2019-02-01	2019-02-01	DJSUretOUTSAt154:-ln(DJSUaprx[28:1824]/lead(DJSUaprx[28:1824], 1))[1:1796]	datDJSUretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJSUretOUTSAt154))	DJSUESHIt154<-ES(datDJSUretOUTSAt154$rev.DJSUretOUTSAt154, p=0.975, method="historical")
DJSU	155	27	1823	2019-02-02	2019-02-02	DJSUretOUTSAt155:-ln(DJSUaprx[27:1823]/lead(DJSUaprx[27:1823], 1))[1:1796]	datDJSUretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJSUretOUTSAt155))	DJSUESHIt155<-ES(datDJSUretOUTSAt155$rev.DJSUretOUTSAt155, p=0.975, method="historical")
DJSU	156	26	1822	2019-02-03	2019-02-03	DJSUretOUTSAt156:-ln(DJSUaprx[26:1822]/lead(DJSUaprx[26:1822], 1))[1:1796]	datDJSUretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJSUretOUTSAt156))	DJSUESHIt156<-ES(datDJSUretOUTSAt156$rev.DJSUretOUTSAt156, p=0.975, method="historical")
DJSU	157	25	1821	2019-02-04	2019-02-04	DJSUretOUTSAt157:-ln(DJSUaprx[25:1821]/lead(DJSUaprx[25:1821], 1))[1:1796]	datDJSUretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJSUretOUTSAt157))	DJSUESHIt157<-ES(datDJSUretOUTSAt157$rev.DJSUretOUTSAt157, p=0.975, method="historical")
DJSU	158	24	1820	2019-02-05	2019-02-05	DJSUretOUTSAt158:-ln(DJSUaprx[24:1820]/lead(DJSUaprx[24:1820], 1))[1:1796]	datDJSUretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJSUretOUTSAt158))	DJSUESHIt158<-ES(datDJSUretOUTSAt158$rev.DJSUretOUTSAt158, p=0.975, method="historical")
DJSU	159	23	1819	2019-02-06	2019-02-06	DJSUretOUTSAt159:-ln(DJSUaprx[23:1819]/lead(DJSUaprx[23:1819], 1))[1:1796]	datDJSUretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJSUretOUTSAt159))	DJSUESHIt159<-ES(datDJSUretOUTSAt159$rev.DJSUretOUTSAt159, p=0.975, method="historical")
DJSU	160	22	1818	2019-02-07	2019-02-07	DJSUretOUTSAt160:-ln(DJSUaprx[22:1818]/lead(DJSUaprx[22:1818], 1))[1:1796]	datDJSUretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJSUretOUTSAt160))	DJSUESHIt160<-ES(datDJSUretOUTSAt160$rev.DJSUretOUTSAt160, p=0.975, method="historical")
DJSU	161	21	1817	2019-02-08	2019-02-08	DJSUretOUTSAt161:-ln(DJSUaprx[21:1817]/lead(DJSUaprx[21:1817], 1))[1:1796]	datDJSUretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJSUretOUTSAt161))	DJSUESHIt161<-ES(datDJSUretOUTSAt161$rev.DJSUretOUTSAt161, p=0.975, method="historical")
DJSU	162	20	1816	2019-02-09	2019-02-09	DJSUretOUTSAt162:-ln(DJSUaprx[20:1816]/lead(DJSUaprx[20:1816], 1))[1:1796]	datDJSUretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJSUretOUTSAt162))	DJSUESHIt162<-ES(datDJSUretOUTSAt162$rev.DJSUretOUTSAt162, p=0.975, method="historical")
DJSU	163	19	1815	2019-02-10	2019-02-10	DJSUretOUTSAt163:-ln(DJSUaprx[19:1815]/lead(DJSUaprx[19:1815], 1))[1:1796]	datDJSUretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJSUretOUTSAt163))	DJSUESHIt163<-ES(datDJSUretOUTSAt163$rev.DJSUretOUTSAt163, p=0.975, method="historical")
DJSU	164	18	1814	2019-02-11	2019-02-11	DJSUretOUTSAt164:-ln(DJSUaprx[18:1814]/lead(DJSUaprx[18:1814], 1))[1:1796]	datDJSUretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJSUretOUTSAt164))	DJSUESHIt164<-ES(datDJSUretOUTSAt164$rev.DJSUretOUTSAt164, p=0.975, method="historical")
DJSU	165	17	1813	2019-02-12	2019-02-12	DJSUretOUTSAt165:-ln(DJSUaprx[17:1813]/lead(DJSUaprx[17:1813], 1))[1:1796]	datDJSUretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJSUretOUTSAt165))	DJSUESHIt165<-ES(datDJSUretOUTSAt165$rev.DJSUretOUTSAt165, p=0.975, method="historical")
DJSU	166	16	1812	2019-02-13	2019-02-13	DJSUretOUTSAt166:-ln(DJSUaprx[16:1812]/lead(DJSUaprx[16:1812], 1))[1:1796]	datDJSUretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJSUretOUTSAt166))	DJSUESHIt166<-ES(datDJSUretOUTSAt166$rev.DJSUretOUTSAt166, p=0.975, method="historical")
DJSU	167	15	1811	2019-02-14	2019-02-14	DJSUretOUTSAt167:-ln(DJSUaprx[15:1811]/lead(DJSUaprx[15:1811], 1))[1:1796]	datDJSUretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJSUretOUTSAt167))	DJSUESHIt167<-ES(datDJSUretOUTSAt167$rev.DJSUretOUTSAt167, p=0.975, method="historical")
DJSU	168	14	1810	2019-02-15	2019-02-15	DJSUretOUTSAt168:-ln(DJSUaprx[14:1810]/lead(DJSUaprx[14:1810], 1))[1:1796]	datDJSUretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJSUretOUTSAt168))	DJSUESHIt168<-ES(datDJSUretOUTSAt168$rev.DJSUretOUTSAt168, p=0.975, method="historical")
DJSU	169	13	1809	2019-02-16	2019-02-16	DJSUretOUTSAt169:-ln(DJSUaprx[13:1809]/lead(DJSUaprx[13:1809], 1))[1:1796]	datDJSUretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJSUretOUTSAt169))	DJSUESHIt169<-ES(datDJSUretOUTSAt169$rev.DJSUretOUTSAt169, p=0.975, method="historical")
DJSU	170	12	1808	2019-02-17	2019-02-17	DJSUretOUTSAt170:-ln(DJSUaprx[12:1808]/lead(DJSUaprx[12:1808], 1))[1:1796]	datDJSUretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJSUretOUTSAt170))	DJSUESHIt170<-ES(datDJSUretOUTSAt170$rev.DJSUretOUTSAt170, p=0.975, method="historical")
DJSU	171	11	1807	2019-02-18	2019-02-18	DJSUretOUTSAt171:-ln(DJSUaprx[11:1807]/lead(DJSUaprx[11:1807], 1))[1:1796]	datDJSUretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJSUretOUTSAt171))	DJSUESHIt171<-ES(datDJSUretOUTSAt171$rev.DJSUretOUTSAt171, p=0.975, method="historical")
DJSU	172	10	1806	2019-02-19	2019-02-19	DJSUretOUTSAt172:-ln(DJSUaprx[10:1806]/lead(DJSUaprx[10:1806], 1))[1:1796]	datDJSUretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJSUretOUTSAt172))	DJSUESHIt172<-ES(datDJSUretOUTSAt172$rev.DJSUretOUTSAt172, p=0.975, method="historical")
DJSU	173	9	1805	2019-02-20	2019-02-20	DJSUretOUTSAt173:-ln(DJSUaprx[9:1805]/lead(DJSUaprx[9:1805], 1))[1:1796]	datDJSUretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date

DJWE	178	4	1800	2019-02-25	2019-02-25	DJWEretOUTSAt178<-ln(DJWEaprx[4:1800]	DJWEretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJWEretOUTSAt178))	DJWEESHIt178<-ES(datDJWEretOUTSAt178$rev.DJWEretOUTSAt178, p=0.975, method="historical")
DJWE	179	3	1799	2019-02-26	2019-02-26	DJWEretOUTSAt179<-ln(DJWEaprx[3:1799]	DJWEretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJWEretOUTSAt179))	DJWEESHIt179<-ES(datDJWEretOUTSAt179$rev.DJWEretOUTSAt179, p=0.975, method="historical")
DJWE	180	2	1798	2019-02-27	2019-02-27	DJWEretOUTSAt180<-ln(DJWEaprx[2:1798]	DJWEretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJWEretOUTSAt180))	DJWEESHIt180<-ES(datDJWEretOUTSAt180$rev.DJWEretOUTSAt180, p=0.975, method="historical")
DJWE	181	1	1797	2019-02-28	2019-02-28	DJWEretOUTSAt181<-ln(DJWEaprx[1:1797]	DJWEretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJWEretOUTSAt181))	DJWEESHIt181<-ES(datDJWEretOUTSAt181$rev.DJWEretOUTSAt181, p=0.975, method="historical")
#DJZI								
DJZI	1	181	1977	2018-09-01	2018-09-01	DJZIretOUTSAt1<-ln(DJZIaprx[181:1977]	datDJZIretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJZIretOUTSAt1))	DJZIESHIt1<-ES(datDJZIretOUTSAt1$rev.DJZIretOUTSAt1, p=0.975, method="historical")
DJZI	2	180	1976	2018-09-02	2018-09-02	DJZIretOUTSAt2<-ln(DJZIaprx[180:1976]	datDJZIretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJZIretOUTSAt2))	DJZIESHIt2<-ES(datDJZIretOUTSAt2$rev.DJZIretOUTSAt2, p=0.975, method="historical")
DJZI	3	179	1975	2018-09-03	2018-09-03	DJZIretOUTSAt3<-ln(DJZIaprx[179:1975]	datDJZIretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJZIretOUTSAt3))	DJZIESHIt3<-ES(datDJZIretOUTSAt3$rev.DJZIretOUTSAt3, p=0.975, method="historical")
DJZI	4	178	1974	2018-09-04	2018-09-04	DJZIretOUTSAt4<-ln(DJZIaprx[178:1974]	datDJZIretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJZIretOUTSAt4))	DJZIESHIt4<-ES(datDJZIretOUTSAt4$rev.DJZIretOUTSAt4, p=0.975, method="historical")
DJZI	5	177	1973	2018-09-05	2018-09-05	DJZIretOUTSAt5<-ln(DJZIaprx[177:1973]	datDJZIretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJZIretOUTSAt5))	DJZIESHIt5<-ES(datDJZIretOUTSAt5$rev.DJZIretOUTSAt5, p=0.975, method="historical")
DJZI	6	176	1972	2018-09-06	2018-09-06	DJZIretOUTSAt6<-ln(DJZIaprx[176:1972]	datDJZIretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJZIretOUTSAt6))	DJZIESHIt6<-ES(datDJZIretOUTSAt6$rev.DJZIretOUTSAt6, p=0.975, method="historical")
DJZI	7	175	1971	2018-09-07	2018-09-07	DJZIretOUTSAt7<-ln(DJZIaprx[175:1971]	datDJZIretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJZIretOUTSAt7))	DJZIESHIt7<-ES(datDJZIretOUTSAt7$rev.DJZIretOUTSAt7, p=0.975, method="historical")
DJZI	8	174	1970	2018-09-08	2018-09-08	DJZIretOUTSAt8<-ln(DJZIaprx[174:1970]	datDJZIretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJZIretOUTSAt8))	DJZIESHIt8<-ES(datDJZIretOUTSAt8$rev.DJZIretOUTSAt8, p=0.975, method="historical")
DJZI	9	173	1969	2018-09-09	2018-09-09	DJZIretOUTSAt9<-ln(DJZIaprx[173:1969]	datDJZIretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJZIretOUTSAt9))	DJZIESHIt9<-ES(datDJZIretOUTSAt9$rev.DJZIretOUTSAt9, p=0.975, method="historical")
DJZI	10	172	1968	2018-09-10	2018-09-10	DJZIretOUTSAt10<-ln(DJZIaprx[172:1968]	datDJZIretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJZIretOUTSAt10))	DJZIESHIt10<-ES(datDJZIretOUTSAt10$rev.DJZIretOUTSAt10, p=0.975, method="historical")
DJZI	11	171	1967	2018-09-11	2018-09-11	DJZIretOUTSAt11<-ln(DJZIaprx[171:1967]	datDJZIretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJZIretOUTSAt11))	DJZIESHIt11<-ES(datDJZIretOUTSAt11$rev.DJZIretOUTSAt11, p=0.975, method="historical")
DJZI	12	170	1966	2018-09-12	2018-09-12	DJZIretOUTSAt12<-ln(DJZIaprx[170:1966]	datDJZIretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJZIretOUTSAt12))	DJZIESHIt12<-ES(datDJZIretOUTSAt12$rev.DJZIretOUTSAt12, p=0.975, method="historical")
DJZI	13	169	1965	2018-09-13	2018-09-13	DJZIretOUTSAt13<-ln(DJZIaprx[169:1965]	datDJZIretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJZIretOUTSAt13))	DJZIESHIt13<-ES(datDJZIretOUTSAt13$rev.DJZIretOUTSAt13, p=0.975, method="historical")
DJZI	14	168	1964	2018-09-14	2018-09-14	DJZIretOUTSAt14<-ln(DJZIaprx[168:1964]	datDJZIretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJZIretOUTSAt14))	DJZIESHIt14<-ES(datDJZIretOUTSAt14$rev.DJZIretOUTSAt14, p=0.975, method="historical")
DJZI	15	167	1963	2018-09-15	2018-09-15	DJZIretOUTSAt15<-ln(DJZIaprx[167:1963]	datDJZIretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJZIretOUTSAt15))	DJZIESHIt15<-ES(datDJZIretOUTSAt15$rev.DJZIretOUTSAt15, p=0.975, method="historical")
DJZI	16	166	1962	2018-09-16	2018-09-16	DJZIretOUTSAt16<-ln(DJZIaprx[166:1962]	datDJZIretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJZIretOUTSAt16))	DJZIESHIt16<-ES(datDJZIretOUTSAt16$rev.DJZIretOUTSAt16, p=0.975, method="historical")
DJZI	17	165	1961	2018-09-17	2018-09-17	DJZIretOUTSAt17<-ln(DJZIaprx[165:1961]	datDJZIretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJZIretOUTSAt17))	DJZIESHIt17<-ES(datDJZIretOUTSAt17$rev.DJZIretOUTSAt17, p=0.975, method="historical")
DJZI	18	164	1960	2018-09-18	2018-09-18	DJZIretOUTSAt18<-ln(DJZIaprx[164:1960]	datDJZIretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJZIretOUTSAt18))	DJZIESHIt18<-ES(datDJZIretOUTSAt18$rev.DJZIretOUTSAt18, p=0.975, method="historical")
DJZI	19	163	1959	2018-09-19	2018-09-19	DJZIretOUTSAt19<-ln(DJZIaprx[163:1959]	datDJZIretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJZIretOUTSAt19))	DJZIESHIt19<-ES(datDJZIretOUTSAt19$rev.DJZIretOUTSAt19, p=0.975, method="historical")
DJZI	20	162	1958	2018-09-20	2018-09-20	DJZIretOUTSAt20<-ln(DJZIaprx[162:1958]	datDJZIretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJZIretOUTSAt20))	DJZIESHIt20<-ES(datDJZIretOUTSAt20$rev.DJZIretOUTSAt20, p=0.975, method="historical")
DJZI	21	161	1957	2018-09-21	2018-09-21	DJZIretOUTSAt21<-ln(DJZIaprx[161:1957]	datDJZIretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJZIretOUTSAt21))	DJZIESHIt21<-ES(datDJZIretOUTSAt21$rev.DJZIretOUTSAt21, p=0.975, method="historical")
DJZI	22	160	1956	2018-09-22	2018-09-22	DJZIretOUTSAt22<-ln(DJZIaprx[160:1956]	datDJZIretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJZIretOUTSAt22))	DJZIESHIt22<-ES(datDJZIretOUTSAt22$rev.DJZIretOUTSAt22, p=0.975, method="historical")
DJZI	23	159	1955	2018-09-23	2018-09-23	DJZIretOUTSAt23<-ln(DJZIaprx[159:1955]	datDJZIretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJZIretOUTSAt23))	DJZIESHIt23<-ES(datDJZIretOUTSAt23$rev.DJZIretOUTSAt23, p=0.975, method="historical")
DJZI	24	158	1954	2018-09-24	2018-09-24	DJZIretOUTSAt24<-ln(DJZIaprx[158:1954]	datDJZIretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJZIretOUTSAt24))	DJZIESHIt24<-ES(datDJZIretOUTSAt24$rev.DJZIretOUTSAt24, p=0.975, method="historical")
DJZI	25	157	1953	2018-09-25	2018-09-25	DJZIretOUTSAt25<-ln(DJZIaprx[157:1953]	datDJZIretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJZIretOUTSAt25))	DJZIESHIt25<-ES(datDJZIretOUTSAt25$rev.DJZIretOUTSAt25, p=0.975, method="historical")
DJZI	26	156	1952	2018-09-26	2018-09-26	DJZIretOUTSAt26<-ln(DJZIaprx[156:1952]	datDJZIretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJZIretOUTSAt26))	DJZIESHIt26<-ES(datDJZIretOUTSAt26$rev.DJZIretOUTSAt26, p=0.975, method="historical")
DJZI	27	155	1951	2018-09-27	2018-09-27	DJZIretOUTSAt27<-ln(DJZIaprx[155:1951]	datDJZIretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJZIretOUTSAt27))	DJZIESHIt27<-ES(datDJZIretOUTSAt27$rev.DJZIretOUTSAt27, p=0.975, method="historical")
DJZI	28	154	1950	2018-09-28	2018-09-28	DJZIretOUTSAt28<-ln(DJZIaprx[154:1950]	datDJZIretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJZIretOUTSAt28))	DJZIESHIt28<-ES(datDJZIretOUTSAt28$rev.DJZIretOUTSAt28, p=0.975, method="historical")
DJZI	29	153	1949	2018-09-29	2018-09-29	DJZIretOUTSAt29<-ln(DJZIaprx[153:1949]	datDJZIretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJZIretOUTSAt29))	DJZIESHIt29<-ES(datDJZIretOUTSAt29$rev.DJZIretOUTSAt29, p=0.975, method="historical")
DJZI	30	152	1948	2018-09-30	2018-09-30	DJZIretOUTSAt30<-ln(DJZIaprx[152:1948]	datDJZIretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJZIretOUTSAt30))	DJZIESHIt30<-ES(datDJZIretOUTSAt30$rev.DJZIretOUTSAt30, p=0.975, method="historical")
DJZI	31	151	1947	2018-10-01	2018-10-01	DJZIretOUTSAt31<-ln(DJZIaprx[151:1947]	datDJZIretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJZIretOUTSAt31))	DJZIESHIt31<-ES(datDJZIretOUTSAt31$rev.DJZIretOUTSAt31, p=0.975, method="historical")
DJZI	32	150	1946	2018-10-02	2018-10-02	DJZIretOUTSAt32<-ln(DJZIaprx[150:1946]	datDJZIretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJZIretOUTSAt32))	DJZIESHIt32<-ES(datDJZIretOUTSAt32$rev.DJZIretOUTSAt32, p=0.975, method="historical")
DJZI	33	149	1945	2018-10-03	2018-10-03	DJZIretOUTSAt33<-ln(DJZIaprx[149:1945]	datDJZIretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJZIretOUTSAt33))	DJZIESHIt33<-ES(datDJZIretOUTSAt33$rev.DJZIretOUTSAt33, p=0.975, method="historical")
DJZI	34	148	1944	2018-10-04	2018-10-04	DJZIretOUTSAt34<-ln(DJZIaprx[148:1944]	datDJZIretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJZIretOUTSAt34))	DJZIESHIt34<-ES(datDJZIretOUTSAt34$rev.DJZIretOUTSAt34, p=0.975, method="historical")
DJZI	35	147	1943	2018-10-05	2018-10-05	DJZIretOUTSAt35<-ln(DJZIaprx[147:1943]	datDJZIretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJZIretOUTSAt35))	DJZIESHIt35<-ES(datDJZIretOUTSAt35$rev.DJZIretOUTSAt35, p=0.975, method="historical")
DJZI	36	146	1942	2018-10-06	2018-10-06	DJZIretOUTSAt36<-ln(DJZIaprx[146:1942]	datDJZIretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJZIretOUTSAt36))	DJZIESHIt36<-ES(datDJZIretOUTSAt36$rev.DJZIretOUTSAt36, p=0.975, method="historical")
DJZI	37	145	1941	2018-10-07	2018-10-07	DJZIretOUTSAt37<-ln(DJZIaprx[145:1941]	datDJZIretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJZIretOUTSAt37))	DJZIESHIt37<-ES(datDJZIretOUTSAt37$rev.DJZIretOUTSAt37, p=0.975, method="historical")
DJZI	38	144	1940	2018-10-08	2018-10-08	DJZIretOUTSAt38<-ln(DJZIaprx[144:1940]	datDJZIretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJZIretOUTSAt38))	DJZIESHIt38<-ES(datDJZIretOUTSAt38$rev.DJZIretOUTSAt38, p=0.975, method="historical")
DJZI	39	143	1939	2018-10-09	2018-10-09	DJZIretOUTSAt39<-ln(DJZIaprx[143:1939]	datDJZIretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJZIretOUTSAt39))	DJZIESHIt39<-ES(datDJZIretOUTSAt39$rev.DJZIretOUTSAt39, p=0.975, method="historical")
DJZI	40	142	1938	2018-10-10	2018-10-10	DJZIretOUTSAt40<-ln(DJZIaprx[142:1938]	datDJZIretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJZIretOUTSAt40))	DJZIESHIt40<-ES(datDJZIretOUTSAt40$rev.DJZIretOUTSAt40, p=0.975, method="historical")
DJZI	41	141	1937	2018-10-11	2018-10-11	DJZIretOUTSAt41<-ln(DJZIaprx[141:1937]	datDJZIretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJZIretOUTSAt41))	DJZIESHIt41<-ES(datDJZIretOUTSAt41$rev.DJZIretOUTSAt41, p=0.975, method="historical")
DJZI	42	140	1936	2018-10-12	2018-10-12	DJZIretOUTSAt42<-ln(DJZIaprx[140:1936]	datDJZIretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJZIretOUTSAt42))	DJZIESHIt42<-ES(datDJZIretOUTSAt42$rev.DJZIretOUTSAt42, p=0.975, method="historical")
DJZI	43	139	1935	2018-10-13	2018-10-13	DJZIretOUTSAt43<-ln(DJZIaprx[139:1935]	datDJZIretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJZIretOUTSAt43))	DJZIESHIt43<-ES(datDJZIretOUTSAt43$rev.DJZIretOUTSAt43, p=0.975, method="historical")
DJZI	44	138	1934	2018-10-14	2018-10-14	DJZIretOUTSAt44<-ln(DJZIaprx[138:1934]	datDJZIretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJZIretOUTSAt44))	DJZIESHIt44<-ES(datDJZIretOUTSAt44$rev.DJZIretOUTSAt44, p=0.975, method="historical")
DJZI	45	137	1933	2018-10-15	2018-10-15	DJZIretOUTSAt45<-ln(DJZIaprx[137:1933]	datDJZIretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJZIretOUTSAt45))	DJZIESHIt45<-ES(datDJZIretOUTSAt45$rev.DJZIretOUTSAt45, p=0.975, method="historical")
DJZI	46	136	1932	2018-10-16	2018-10-16	DJZIretOUTSAt46<-ln(DJZIaprx[136:1932]	datDJZIretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJZIretOUTSAt46))	DJZIESHIt46<-ES(datDJZIretOUTSAt46$rev.DJZIretOUTSAt46, p=0.975, method="historical")
DJZI	47	135	1931	2018-10-17	2018-10-17	DJZIretOUTSAt47<-ln(DJZIaprx[135:1931]	datDJZIretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJZIretOUTSAt47))	DJZIESHIt47<-ES(datDJZIretOUTSAt47$rev.DJZIretOUTSAt47, p=0.975, method="historical")
DJZI	48	134	1930	2018-10-18	2018-10-18	DJZIretOUTSAt48<-ln(DJZIaprx[134:1930]	datDJZIretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJZIretOUTSAt48))	DJZIESHIt48<-ES(datDJZIretOUTSAt48$rev.DJZIretOUTSAt48, p=0.975, method="historical")
DJZI	49	133	1929	2018-10-19	2018-10-19	DJZIretOUTSAt49<-ln(DJZIaprx[133:1929]	datDJZIretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJZIretOUTSAt49))	DJZIESHIt49<-ES(datDJZIretOUTSAt49$rev.DJZIretOUTSAt49, p=0.975, method="historical")
DJZI	50	132	1928	2018-10-20	2018-10-20	DJZIretOUTSAt50<-ln(DJZIaprx[132:1928]	datDJZIretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJZIretOUTSAt50))	DJZIESHIt50<-ES(datDJZIretOUTSAt50$rev.DJZIretOUTSAt50, p=0.975, method="historical")
DJZI	51	131	1927	2018-10-21	2018-10-21	DJZIretOUTSAt51<-ln(DJZIaprx[131:1927]	datDJZIretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJZIretOUTSAt51))	DJZIESHIt51<-ES(datDJZIretOUTSAt51$rev.DJZIretOUTSAt51, p=0.975, method="historical")
DJZI	130	1926	2018-10-22	2018-10-22	DJZIretOUTSAt52<-ln(DJZIaprx[130:1926]	datDJZIretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJZIretOUTSAt52))	DJZIESHIt52<-ES(datDJZIretOUTSAt52$rev.DJZIretOUTSAt52, p=0.975, method="historical")	
DJZI	53	129	1925	2018-10-23	2018-10-23	DJZIretOUTSAt53<-ln(DJZIaprx[129:1925]	datDJZIretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJZIretOUTSAt53))	DJZIESHIt53<-ES(datDJZIretOUTSAt53$rev.DJZIretOUTSAt53, p=0.975, method="historical")
DJZI	54	128	1924	2018-10-24	2018-10-24	DJZIretOUTSAt54<-ln(DJZIaprx[128:1924]	datDJZIretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJZIretOUTSAt54))	DJZIESHIt54<-ES(datDJZIretOUTSAt54$rev.DJZIretOUTSAt54, p=0.975, method="historical")
DJZI	55	127	1923	2018-10-25	2018-10-25	DJZIretOUTSAt55<-ln(DJZIaprx[127:1923]	datDJZIretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJZIretOUTSAt55))	DJZIESHIt55<-ES(datDJZIretOUTSAt55$rev.DJZIretOUTSAt55, p=0.975, method="historical")
DJZI	56	126	1922	2018-10-26	2018-10-26	DJZIretOUTSAt56<-ln(DJZIaprx[126:1922]	datDJZIretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJZIretOUTSAt56))	DJZIESHIt56<-ES(datDJZIretOUTSAt56$rev.DJZIretOUTSAt56, p=0.975, method="historical")
DJZI	57	125	1921	2018-10-27	2018-10-27	DJZIretOUTSAt57<-ln(DJZIaprx[125:1921]	datDJZIretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJZIretOUTSAt57))	DJZIESHIt57<-ES(datDJZIretOUTSAt57$rev.DJZIretOUTSAt57, p=0.975, method="historical")
DJZI	58	124	1920	2018-10-28	2018-10-28	DJZIretOUTSAt58<-ln(DJZIaprx[124:1920]	datDJZIretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(DJZIretOUTSAt58))	DJZIESHIt58<-ES(datDJZIretOUTSAt58$rev.DJZIretOUTSAt58, p=0.975, method="historical")
DJZI	59	123	1919	2018-10-29	2018-10-29	DJZIretOUTSAt59<-ln(DJZIaprx[123:1919]	datDJZIretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(DJZIretOUTSAt59))	DJZIESHIt59<-ES(datDJZIretOUTSAt59$rev.DJZIretOUTSAt59, p=0.975, method="historical")
DJZI	60	122	1918	2018-10-30	2018-10-30	DJZIretOUTSAt60<-ln(DJZIaprx[122:1918]	datDJZIretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(DJZIretOUTSAt60))	DJZIESHIt60<-ES(datDJZIretOUTSAt60$rev.DJZIretOUTSAt60, p=0.975, method="historical")
DJZI	61	121	1917	2018-10-31	2018-10-31	DJZIretOUTSAt61<-ln(DJZIaprx[121:1917]	datDJZIretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJZIretOUTSAt61))	DJZIESHIt61<-ES(datDJZIretOUTSAt61$rev.DJZIretOUTSAt61, p=0.975, method="historical")
DJZI	62	120	1916	2018-11-01	2018-11-01	DJZIretOUTSAt62<-ln(DJZIaprx[120:1916]	datDJZIretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJZIretOUTSAt62))	DJZIESHIt62<-ES(datDJZIretOUTSAt62$rev.DJZIretOUTSAt62, p=0.975, method="historical")
DJZI	63	119	1915	2018-11-02	2018-11-02	DJZIretOUTSAt63<-ln(DJZIaprx[119:1915]	datDJZIretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJZIretOUTSAt63))	DJZIESHIt63<-ES(datDJZIretOUTSAt63$rev.DJZIretOUTSAt63, p=0.975, method="historical")
DJZI	64	118	1914	2018-11-03	2018-11-03	DJZIretOUTSAt64<-ln(DJZIaprx[118:1914]	datDJZIretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJZIretOUTSAt64))	DJZIESHIt64<-ES(datDJZIretOUTSAt64$rev.DJZIretOUTSAt64, p=0.975, method="historical")
DJZI	65	117	1913	2018-11-04	2018-11-04	DJZIretOUTSAt65<-ln(DJZIaprx[117:1913]	datDJZIretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJZIretOUTSAt65))	DJZIESHIt65<-ES(datDJZIretOUTSAt65$rev.DJZIretOUTSAt65, p=0.975, method="historical")
DJZI	66	116	1912	2018-11-05	2018-11-05	DJZIretOUTSAt66<-ln(DJZIaprx[116:1912]	datDJZIretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJZIretOUTSAt66))	DJZIESHIt66<-ES(datDJZIretOUTSAt66$rev.DJZIretOUTSAt66, p=0.975, method="historical")
DJZI	67	115	1911	2018-11-06	2018-11-06	DJZIretOUTSAt67<-ln(DJZIaprx[115:1911]	datDJZIretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJZIretOUTSAt67))	DJZIESHIt67<-ES(datDJZIretOUTSAt67$rev.DJZIretOUTSAt67, p=0.975, method="historical")
DJZI	68	114	1910	2018-11-07	2018-11-07	DJZIretOUTSAt68<-ln(DJZIaprx[114:1910]	datDJZIretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJZIretOUTSAt68))	DJZIESHIt68<-ES(datDJZIretOUTSAt68$rev.DJZIretOUTSAt68, p=0.975, method="historical")
DJZI	69	113	1909	2018-11-08	2018-11-08	DJZIretOUTSAt69<-ln(DJZIaprx[113:1909]	datDJZIretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJZIretOUTSAt69))	DJZIESHIt69<-ES(datDJZIretOUTSAt69$rev.DJZIretOUTSAt69, p=0.975, method="historical")
DJZI	70	112	1908	2018-11-09	2018-11-09	DJZIretOUTSAt70<-ln(DJZIaprx[112:1908]	datDJZIretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJZIretOUTSAt70))	DJZIESHIt70<-ES(datDJZIretOUTSAt70$rev.DJZIretOUTSAt70, p=0.975, method="historical")
DJZI	71	111	1907	2018-11-10	2018-11-10	DJZIretOUTSAt71<-ln(DJZIaprx[111:1907]	datDJZIretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJZIretOUTSAt71))	DJZIESHIt71<-ES(datDJZIretOUTSAt71$rev.DJZIretOUTSAt71, p=0.975, method="historical")
DJZI	72	110	1906	2018-11-11	2018-11-11	DJZIretOUTSAt72<-ln(DJZIaprx[110:1906]	datDJZIretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJZIretOUTSAt72))	DJZIESHIt72<-ES(datDJZIretOUTSAt72$rev.DJZIretOUTSAt72, p=0.975, method="historical")
DJZI	73	109	1905	2018-11-12	2018-11-12	DJZIretOUTSAt73<-ln(DJZIaprx[109:1905]	datDJZIretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJZIretOUTSAt73))	DJZIESHIt73<-ES(datDJZIretOUTSAt73$rev.DJZIretOUTSAt73, p=0.975, method="historical")
DJZI	74	108	1904	2018-11-13	2018-11-13	DJZIretOUTSAt74<-ln(DJZIaprx[108:1904]	datDJZIretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJZIretOUTSAt74))	DJZIESHIt74<-ES(datDJZIretOUTSAt74$rev.DJZIretOUTSAt74, p=0.975, method="historical")
DJZI	75	107	1903	2018-11-14	2018-11-14	DJZIretOUTSAt75<-ln(DJZIaprx[107:1903]	datDJZIretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJZIretOUTSAt75))	DJZIESHIt75<-ES(datDJZIretOUTSAt75$rev.DJZIretOUTSAt75, p=0.975, method="historical")
DJZI	76	106	1902	2018-11-15	2018-11-15	DJZIretOUTSAt76<-ln(DJZIaprx[106:1902]	datDJZIretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJZIretOUTS

DJZI	124	58	1854	2019-01-02	2019-01-02	DJZIretOUTSAt124<-ln(DJZIaprx[58:1854]/lead(DJZIaprx[58:1854], 1))[1:1796]	datDJZIretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJZIretOUTSAt124))	DJZIESHIt124<-ES(datDJZIretOUTSAt124$rev.DJZIretOUTSAt124, p=0.975, method="historical")
DJZI	125	57	1853	2019-01-03	2019-01-03	DJZIretOUTSAt125<-ln(DJZIaprx[57:1853]/lead(DJZIaprx[57:1853], 1))[1:1796]	datDJZIretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJZIretOUTSAt125))	DJZIESHIt125<-ES(datDJZIretOUTSAt125$rev.DJZIretOUTSAt125, p=0.975, method="historical")
DJZI	126	56	1852	2019-01-04	2019-01-04	DJZIretOUTSAt126<-ln(DJZIaprx[56:1852]/lead(DJZIaprx[56:1852], 1))[1:1796]	datDJZIretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJZIretOUTSAt126))	DJZIESHIt126<-ES(datDJZIretOUTSAt126$rev.DJZIretOUTSAt126, p=0.975, method="historical")
DJZI	127	55	1851	2019-01-05	2019-01-05	DJZIretOUTSAt127<-ln(DJZIaprx[55:1851]/lead(DJZIaprx[55:1851], 1))[1:1796]	datDJZIretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJZIretOUTSAt127))	DJZIESHIt127<-ES(datDJZIretOUTSAt127$rev.DJZIretOUTSAt127, p=0.975, method="historical")
DJZI	128	54	1850	2019-01-06	2019-01-06	DJZIretOUTSAt128<-ln(DJZIaprx[54:1850]/lead(DJZIaprx[54:1850], 1))[1:1796]	datDJZIretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJZIretOUTSAt128))	DJZIESHIt128<-ES(datDJZIretOUTSAt128$rev.DJZIretOUTSAt128, p=0.975, method="historical")
DJZI	129	53	1849	2019-01-07	2019-01-07	DJZIretOUTSAt129<-ln(DJZIaprx[53:1849]/lead(DJZIaprx[53:1849], 1))[1:1796]	datDJZIretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJZIretOUTSAt129))	DJZIESHIt129<-ES(datDJZIretOUTSAt129$rev.DJZIretOUTSAt129, p=0.975, method="historical")
DJZI	130	52	1848	2019-01-08	2019-01-08	DJZIretOUTSAt130<-ln(DJZIaprx[52:1848]/lead(DJZIaprx[52:1848], 1))[1:1796]	datDJZIretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJZIretOUTSAt130))	DJZIESHIt130<-ES(datDJZIretOUTSAt130$rev.DJZIretOUTSAt130, p=0.975, method="historical")
DJZI	131	51	1847	2019-01-09	2019-01-09	DJZIretOUTSAt131<-ln(DJZIaprx[51:1847]/lead(DJZIaprx[51:1847], 1))[1:1796]	datDJZIretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJZIretOUTSAt131))	DJZIESHIt131<-ES(datDJZIretOUTSAt131$rev.DJZIretOUTSAt131, p=0.975, method="historical")
DJZI	132	50	1846	2019-01-10	2019-01-10	DJZIretOUTSAt132<-ln(DJZIaprx[50:1846]/lead(DJZIaprx[50:1846], 1))[1:1796]	datDJZIretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJZIretOUTSAt132))	DJZIESHIt132<-ES(datDJZIretOUTSAt132$rev.DJZIretOUTSAt132, p=0.975, method="historical")
DJZI	133	49	1845	2019-01-11	2019-01-11	DJZIretOUTSAt133<-ln(DJZIaprx[49:1845]/lead(DJZIaprx[49:1845], 1))[1:1796]	datDJZIretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJZIretOUTSAt133))	DJZIESHIt133<-ES(datDJZIretOUTSAt133$rev.DJZIretOUTSAt133, p=0.975, method="historical")
DJZI	134	48	1844	2019-01-12	2019-01-12	DJZIretOUTSAt134<-ln(DJZIaprx[48:1844]/lead(DJZIaprx[48:1844], 1))[1:1796]	datDJZIretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJZIretOUTSAt134))	DJZIESHIt134<-ES(datDJZIretOUTSAt134$rev.DJZIretOUTSAt134, p=0.975, method="historical")
DJZI	135	47	1843	2019-01-13	2019-01-13	DJZIretOUTSAt135<-ln(DJZIaprx[47:1843]/lead(DJZIaprx[47:1843], 1))[1:1796]	datDJZIretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJZIretOUTSAt135))	DJZIESHIt135<-ES(datDJZIretOUTSAt135$rev.DJZIretOUTSAt135, p=0.975, method="historical")
DJZI	136	46	1842	2019-01-14	2019-01-14	DJZIretOUTSAt136<-ln(DJZIaprx[46:1842]/lead(DJZIaprx[46:1842], 1))[1:1796]	datDJZIretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJZIretOUTSAt136))	DJZIESHIt136<-ES(datDJZIretOUTSAt136$rev.DJZIretOUTSAt136, p=0.975, method="historical")
DJZI	137	45	1841	2019-01-15	2019-01-15	DJZIretOUTSAt137<-ln(DJZIaprx[45:1841]/lead(DJZIaprx[45:1841], 1))[1:1796]	datDJZIretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJZIretOUTSAt137))	DJZIESHIt137<-ES(datDJZIretOUTSAt137$rev.DJZIretOUTSAt137, p=0.975, method="historical")
DJZI	138	44	1840	2019-01-16	2019-01-16	DJZIretOUTSAt138<-ln(DJZIaprx[44:1840]/lead(DJZIaprx[44:1840], 1))[1:1796]	datDJZIretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJZIretOUTSAt138))	DJZIESHIt138<-ES(datDJZIretOUTSAt138$rev.DJZIretOUTSAt138, p=0.975, method="historical")
DJZI	139	43	1839	2019-01-17	2019-01-17	DJZIretOUTSAt139<-ln(DJZIaprx[43:1839]/lead(DJZIaprx[43:1839], 1))[1:1796]	datDJZIretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJZIretOUTSAt139))	DJZIESHIt139<-ES(datDJZIretOUTSAt139$rev.DJZIretOUTSAt139, p=0.975, method="historical")
DJZI	140	42	1838	2019-01-18	2019-01-18	DJZIretOUTSAt140<-ln(DJZIaprx[42:1838]/lead(DJZIaprx[42:1838], 1))[1:1796]	datDJZIretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJZIretOUTSAt140))	DJZIESHIt140<-ES(datDJZIretOUTSAt140$rev.DJZIretOUTSAt140, p=0.975, method="historical")
DJZI	141	41	1837	2019-01-19	2019-01-19	DJZIretOUTSAt141<-ln(DJZIaprx[41:1837]/lead(DJZIaprx[41:1837], 1))[1:1796]	datDJZIretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJZIretOUTSAt141))	DJZIESHIt141<-ES(datDJZIretOUTSAt141$rev.DJZIretOUTSAt141, p=0.975, method="historical")
DJZI	142	40	1836	2019-01-20	2019-01-20	DJZIretOUTSAt142<-ln(DJZIaprx[40:1836]/lead(DJZIaprx[40:1836], 1))[1:1796]	datDJZIretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJZIretOUTSAt142))	DJZIESHIt142<-ES(datDJZIretOUTSAt142$rev.DJZIretOUTSAt142, p=0.975, method="historical")
DJZI	143	39	1835	2019-01-21	2019-01-21	DJZIretOUTSAt143<-ln(DJZIaprx[39:1835]/lead(DJZIaprx[39:1835], 1))[1:1796]	datDJZIretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJZIretOUTSAt143))	DJZIESHIt143<-ES(datDJZIretOUTSAt143$rev.DJZIretOUTSAt143, p=0.975, method="historical")
DJZI	144	38	1834	2019-01-22	2019-01-22	DJZIretOUTSAt144<-ln(DJZIaprx[38:1834]/lead(DJZIaprx[38:1834], 1))[1:1796]	datDJZIretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJZIretOUTSAt144))	DJZIESHIt144<-ES(datDJZIretOUTSAt144$rev.DJZIretOUTSAt144, p=0.975, method="historical")
DJZI	145	37	1833	2019-01-23	2019-01-23	DJZIretOUTSAt145<-ln(DJZIaprx[37:1833]/lead(DJZIaprx[37:1833], 1))[1:1796]	datDJZIretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJZIretOUTSAt145))	DJZIESHIt145<-ES(datDJZIretOUTSAt145$rev.DJZIretOUTSAt145, p=0.975, method="historical")
DJZI	146	36	1832	2019-01-24	2019-01-24	DJZIretOUTSAt146<-ln(DJZIaprx[36:1832]/lead(DJZIaprx[36:1832], 1))[1:1796]	datDJZIretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJZIretOUTSAt146))	DJZIESHIt146<-ES(datDJZIretOUTSAt146$rev.DJZIretOUTSAt146, p=0.975, method="historical")
DJZI	147	35	1831	2019-01-25	2019-01-25	DJZIretOUTSAt147<-ln(DJZIaprx[35:1831]/lead(DJZIaprx[35:1831], 1))[1:1796]	datDJZIretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJZIretOUTSAt147))	DJZIESHIt147<-ES(datDJZIretOUTSAt147$rev.DJZIretOUTSAt147, p=0.975, method="historical")
DJZI	148	34	1830	2019-01-26	2019-01-26	DJZIretOUTSAt148<-ln(DJZIaprx[34:1830]/lead(DJZIaprx[34:1830], 1))[1:1796]	datDJZIretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJZIretOUTSAt148))	DJZIESHIt148<-ES(datDJZIretOUTSAt148$rev.DJZIretOUTSAt148, p=0.975, method="historical")
DJZI	149	33	1829	2019-01-27	2019-01-27	DJZIretOUTSAt149<-ln(DJZIaprx[33:1829]/lead(DJZIaprx[33:1829], 1))[1:1796]	datDJZIretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJZIretOUTSAt149))	DJZIESHIt149<-ES(datDJZIretOUTSAt149$rev.DJZIretOUTSAt149, p=0.975, method="historical")
DJZI	150	32	1828	2019-01-28	2019-01-28	DJZIretOUTSAt150<-ln(DJZIaprx[32:1828]/lead(DJZIaprx[32:1828], 1))[1:1796]	datDJZIretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJZIretOUTSAt150))	DJZIESHIt150<-ES(datDJZIretOUTSAt150$rev.DJZIretOUTSAt150, p=0.975, method="historical")
DJZI	151	31	1827	2019-01-29	2019-01-29	DJZIretOUTSAt151<-ln(DJZIaprx[31:1827]/lead(DJZIaprx[31:1827], 1))[1:1796]	datDJZIretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJZIretOUTSAt151))	DJZIESHIt151<-ES(datDJZIretOUTSAt151$rev.DJZIretOUTSAt151, p=0.975, method="historical")
DJZI	152	30	1826	2019-01-30	2019-01-30	DJZIretOUTSAt152<-ln(DJZIaprx[30:1826]/lead(DJZIaprx[30:1826], 1))[1:1796]	datDJZIretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJZIretOUTSAt152))	DJZIESHIt152<-ES(datDJZIretOUTSAt152$rev.DJZIretOUTSAt152, p=0.975, method="historical")
DJZI	153	29	1825	2019-01-31	2019-01-31	DJZIretOUTSAt153<-ln(DJZIaprx[29:1825]/lead(DJZIaprx[29:1825], 1))[1:1796]	datDJZIretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJZIretOUTSAt153))	DJZIESHIt153<-ES(datDJZIretOUTSAt153$rev.DJZIretOUTSAt153, p=0.975, method="historical")
DJZI	154	28	1824	2019-02-01	2019-02-01	DJZIretOUTSAt154<-ln(DJZIaprx[28:1824]/lead(DJZIaprx[28:1824], 1))[1:1796]	datDJZIretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJZIretOUTSAt154))	DJZIESHIt154<-ES(datDJZIretOUTSAt154$rev.DJZIretOUTSAt154, p=0.975, method="historical")
DJZI	155	27	1823	2019-02-02	2019-02-02	DJZIretOUTSAt155<-ln(DJZIaprx[27:1823]/lead(DJZIaprx[27:1823], 1))[1:1796]	datDJZIretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJZIretOUTSAt155))	DJZIESHIt155<-ES(datDJZIretOUTSAt155$rev.DJZIretOUTSAt155, p=0.975, method="historical")
DJZI	156	26	1822	2019-02-03	2019-02-03	DJZIretOUTSAt156<-ln(DJZIaprx[26:1822]/lead(DJZIaprx[26:1822], 1))[1:1796]	datDJZIretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJZIretOUTSAt156))	DJZIESHIt156<-ES(datDJZIretOUTSAt156$rev.DJZIretOUTSAt156, p=0.975, method="historical")
DJZI	157	25	1821	2019-02-04	2019-02-04	DJZIretOUTSAt157<-ln(DJZIaprx[25:1821]/lead(DJZIaprx[25:1821], 1))[1:1796]	datDJZIretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJZIretOUTSAt157))	DJZIESHIt157<-ES(datDJZIretOUTSAt157$rev.DJZIretOUTSAt157, p=0.975, method="historical")
DJZI	158	24	1820	2019-02-05	2019-02-05	DJZIretOUTSAt158<-ln(DJZIaprx[24:1820]/lead(DJZIaprx[24:1820], 1))[1:1796]	datDJZIretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJZIretOUTSAt158))	DJZIESHIt158<-ES(datDJZIretOUTSAt158$rev.DJZIretOUTSAt158, p=0.975, method="historical")
DJZI	159	23	1819	2019-02-06	2019-02-06	DJZIretOUTSAt159<-ln(DJZIaprx[23:1819]/lead(DJZIaprx[23:1819], 1))[1:1796]	datDJZIretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJZIretOUTSAt159))	DJZIESHIt159<-ES(datDJZIretOUTSAt159$rev.DJZIretOUTSAt159, p=0.975, method="historical")
DJZI	160	22	1818	2019-02-07	2019-02-07	DJZIretOUTSAt160<-ln(DJZIaprx[22:1818]/lead(DJZIaprx[22:1818], 1))[1:1796]	datDJZIretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJZIretOUTSAt160))	DJZIESHIt160<-ES(datDJZIretOUTSAt160$rev.DJZIretOUTSAt160, p=0.975, method="historical")
DJZI	161	21	1817	2019-02-08	2019-02-08	DJZIretOUTSAt161<-ln(DJZIaprx[21:1817]/lead(DJZIaprx[21:1817], 1))[1:1796]	datDJZIretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJZIretOUTSAt161))	DJZIESHIt161<-ES(datDJZIretOUTSAt161$rev.DJZIretOUTSAt161, p=0.975, method="historical")
DJZI	162	20	1816	2019-02-09	2019-02-09	DJZIretOUTSAt162<-ln(DJZIaprx[20:1816]/lead(DJZIaprx[20:1816], 1))[1:1796]	datDJZIretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJZIretOUTSAt162))	DJZIESHIt162<-ES(datDJZIretOUTSAt162$rev.DJZIretOUTSAt162, p=0.975, method="historical")
DJZI	163	19	1815	2019-02-10	2019-02-10	DJZIretOUTSAt163<-ln(DJZIaprx[19:1815]/lead(DJZIaprx[19:1815], 1))[1:1796]	datDJZIretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJZIretOUTSAt163))	DJZIESHIt163<-ES(datDJZIretOUTSAt163$rev.DJZIretOUTSAt163, p=0.975, method="historical")
DJZI	164	18	1814	2019-02-11	2019-02-11	DJZIretOUTSAt164<-ln(DJZIaprx[18:1814]/lead(DJZIaprx[18:1814], 1))[1:1796]	datDJZIretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJZIretOUTSAt164))	DJZIESHIt164<-ES(datDJZIretOUTSAt164$rev.DJZIretOUTSAt164, p=0.975, method="historical")
DJZI	165	17	1813	2019-02-12	2019-02-12	DJZIretOUTSAt165<-ln(DJZIaprx[17:1813]/lead(DJZIaprx[17:1813], 1))[1:1796]	datDJZIretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJZIretOUTSAt165))	DJZIESHIt165<-ES(datDJZIretOUTSAt165$rev.DJZIretOUTSAt165, p=0.975, method="historical")
DJZI	166	16	1812	2019-02-13	2019-02-13	DJZIretOUTSAt166<-ln(DJZIaprx[16:1812]/lead(DJZIaprx[16:1812], 1))[1:1796]	datDJZIretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJZIretOUTSAt166))	DJZIESHIt166<-ES(datDJZIretOUTSAt166$rev.DJZIretOUTSAt166, p=0.975, method="historical")
DJZI	167	15	1811	2019-02-14	2019-02-14	DJZIretOUTSAt167<-ln(DJZIaprx[15:1811]/lead(DJZIaprx[15:1811], 1))[1:1796]	datDJZIretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJZIretOUTSAt167))	DJZIESHIt167<-ES(datDJZIretOUTSAt167$rev.DJZIretOUTSAt167, p=0.975, method="historical")
DJZI	168	14	1810	2019-02-15	2019-02-15	DJZIretOUTSAt168<-ln(DJZIaprx[14:1810]/lead(DJZIaprx[14:1810], 1))[1:1796]	datDJZIretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJZIretOUTSAt168))	DJZIESHIt168<-ES(datDJZIretOUTSAt168$rev.DJZIretOUTSAt168, p=0.975, method="historical")
DJZI	169	13	1809	2019-02-16	2019-02-16	DJZIretOUTSAt169<-ln(DJZIaprx[13:1809]/lead(DJZIaprx[13:1809], 1))[1:1796]	datDJZIretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJZIretOUTSAt169))	DJZIESHIt169<-ES(datDJZIretOUTSAt169$rev.DJZIretOUTSAt169, p=0.975, method="historical")
DJZI	170	12	1808	2019-02-17	2019-02-17	DJZIretOUTSAt170<-ln(DJZIaprx[12:1808]/lead(DJZIaprx[12:1808], 1))[1:1796]	datDJZIretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJZIretOUTSAt170))	DJZIESHIt170<-ES(datDJZIretOUTSAt170$rev.DJZIretOUTSAt170, p=0.975, method="historical")
DJZI	171	11	1807	2019-02-18	2019-02-18	DJZIretOUTSAt171<-ln(DJZIaprx[11:1807]/lead(DJZIaprx[11:1807], 1))[1:1796]	datDJZIretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJZIretOUTSAt171))	DJZIESHIt171<-ES(datDJZIretOUTSAt171$rev.DJZIretOUTSAt171, p=0.975, method="historical")
DJZI	172	10	1806	2019-02-19	2019-02-19	DJZIretOUTSAt172<-ln(DJZIaprx[10:1806]/lead(DJZIaprx[10:1806], 1))[1:1796]	datDJZIretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJZIretOUTSAt172))	DJZIESHIt172<-ES(datDJZIretOUTSAt172$rev.DJZIretOUTSAt172, p=0.975, method="historical")
DJZI	173	9	1805	2019-02-20	2019-02-20	DJZIretOUTSAt173<-ln(DJZIaprx[9:1805]/lead(DJZIaprx[9:1805], 1))[1:1796]	datDJZIretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJZIretOUTSAt173))	DJZIESHIt173<-ES(datDJZIretOUTSAt173$rev.DJZIretOUTSAt173, p=0.975, method="historical")
DJZI	174	8	1804	2019-02-21	2019-02-21	DJZIretOUTSAt174<-ln(DJZIaprx[8:1804]/lead(DJZIaprx[8:1804], 1))[1:1796]	datDJZIretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJZIretOUTSAt174))	DJZIESHIt174<-ES(datDJZIretOUTSAt174$rev.DJZIretOUTSAt174, p=0.975, method="historical")
DJZI	175	7	1803	2019-02-22	2019-02-22	DJZIretOUTSAt175<-ln(DJZIaprx[7:1803]/lead(DJZIaprx[7:1803], 1))[1:1796]	datDJZIretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJZIretOUTSAt175))	DJZIESHIt175<-ES(datDJZIretOUTSAt175$rev.DJZIretOUTSAt175, p=0.975, method="historical")
DJZI	176	6	1802	2019-02-23	2019-02-23	DJZIretOUTSAt176<-ln(DJZIaprx[6:1802]/lead(DJZIaprx[6:1802], 1))[1:1796]	datDJZIretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJZIretOUTSAt176))	DJZIESHIt176<-ES(datDJZIretOUTSAt176$rev.DJZIretOUTSAt176, p=0.975, method="historical")
DJZI	177	5	1801	2019-02-24	2019-02-24	DJZIretOUTSAt177<-ln(DJZIaprx[5:1801]/lead(DJZIaprx[5:1801], 1))[1:1796]	datDJZIretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJZIretOUTSAt177))	DJZIESHIt177<-ES(datDJZIretOUTSAt177$rev.DJZIretOUTSAt177, p=0.975, method="historical")
DJZI	178	4	1800	2019-02-25	2019-02-25	DJZIretOUTSAt178<-ln(DJZIaprx[4:1800]/lead(DJZIaprx[4:1800], 1))[1:1796]	datDJZIretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJZIretOUTSAt178))	DJZIESHIt178<-ES(datDJZIretOUTSAt178$rev.DJZIretOUTSAt178, p=0.975, method="historical")
DJZI	179	3	1799	2019-02-26	2019-02-26	DJZIretOUTSAt179<-ln(DJZIaprx[3:1799]/lead(DJZIaprx[3:1799], 1))[1:1796]	datDJZIretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJZIretOUTSAt179))	DJZIESHIt179<-ES(datDJZIretOUTSAt179$rev.DJZIretOUTSAt179, p=0.975, method="historical")
DJZI	180	2	1798	2019-02-27	2019-02-27	DJZIretOUTSAt180<-ln(DJZIaprx[2:1798]/lead(DJZIaprx[2:1798], 1))[1:1796]	datDJZIretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJZIretOUTSAt180))	DJZIESHIt180<-ES(datDJZIretOUTSAt180$rev.DJZIretOUTSAt180, p=0.975, method="historical")
DJZI	181	1	1797	2019-02-28	2019-02-28	DJZIretOUTSAt181<-ln(DJZIaprx[1:1797]/lead(DJZIaprx[1:1797], 1))[1:1796]	datDJZIretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJZIretOUTSAt181))	DJZIESHIt181<-ES(datDJZIretOUTSAt181$rev.DJZIretOUTSAt181, p=0.975, method="historical")
DJLH							
DJLH	1	181	1977	2018-09-01	2018-09-01	DJLHretOUTSAt1<-ln(DJLHaprx[181:1977]/lead(DJLHaprx[181:1977], 1))[1:1796]	datDJLHretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJLHretOUTSAt1))	DJLHESHIt1<-ES(datDJLHretOUTSAt1$rev.DJLHretOUTSAt1, p=0.975, method="historical")
DJLH	2	180	1976	2018-09-02	2018-09-02	DJLHretOUTSAt2<-ln(DJLHaprx[180:1976]/lead(DJLHaprx[180:1976], 1))[1:1796]	datDJLHretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJLHretOUTSAt2))	DJLHESHIt2<-ES(datDJLHretOUTSAt2$rev.DJLHretOUTSAt2, p=0.975, method="historical")
DJLH	3	179	1975	2018-09-03	2018-09-03	DJLHretOUTSAt3<-ln(DJLHaprx[179:1975]/lead(DJLHaprx[179:1975], 1))[1:1796]	datDJLHretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJLHretOUTSAt3))	DJLHESHIt3<-ES(datDJLHretOUTSAt3$rev.DJLHretOUTSAt3, p=0.975, method="historical")
DJLH	4	178	1974	2018-09-04	2018-09-04	DJLHretOUTSAt4<-ln(DJLHaprx[178:1974]/lead(DJLHaprx[178:1974], 1))[1:1796]	datDJLHretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJLHretOUTSAt4))	DJLHESHIt4<-ES(datDJLHretOUTSAt4$rev.DJLHretOUTSAt4, p=0.975, method="historical")
DJLH	5	177	1973	2018-09-05	2018-09-05	DJLHretOUTSAt5<-ln(DJLHaprx[177:1973]/lead(DJLHaprx[177:1973], 1))[1:1796]	datDJLHretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJLHretOUTSAt5))	DJLHESHIt5<-ES(datDJLHretOUTSAt5$rev.DJLHretOUTSAt5, p=0.975, method="historical")
DJLH	6	176	1972	2018-09-06	2018-09-06	DJLHretOUTSAt6<-ln(DJLHaprx[176:1972]/lead(DJLHaprx[176:1972], 1))[1:1796]	datDJLHretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJLHretOUTSAt6))	DJLHESHIt6<-ES(datDJLHretOUTSAt6$rev.DJLHretOUTSAt6, p=0.975, method="historical")
DJLH	7	175	1971	2018-09-07	2018-09-07	DJLHretOUTSAt7<-ln(DJLHaprx[175:1971]/lead(DJLHaprx[175:1971], 1))[1:1796]	datDJLHretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJLHretOUTSAt7))	DJLHESHIt7<-ES(datDJLHretOUTSAt7$rev.DJLHretOUTSAt7, p=0.975, method="historical")
DJLH	8	174	1970	2018-09-08	2018-09-08	DJLHretOUTSAt8<-ln(DJLHaprx[174:1970]/lead(DJLHaprx[174:1970], 1))[1:1796]	datDJLHretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJLHretOUTSAt8))	DJLHESHIt8<-ES(datDJLHretOUTSAt8$rev.DJLHretOUTSAt8, p=0.975, method="historical")
DJLH	9	173	1969	2018-09-09	2018-09-09	DJLHretOUTSAt9<-ln(DJLHaprx[173:1969]/lead(DJLHaprx[173:1969], 1))[1:1796]	datDJLHretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJLHretOUTSAt9))	DJLHESHIt9<-ES(datDJLHretOUTSAt9$rev.DJLHretOUTSAt9, p=0.975, method="historical")
DJLH	10	172	1968	2018-09-10	2018-09-10	DJLHretOUTSAt10<-ln(DJLHaprx[172:1968]/lead(DJLHaprx[172:1968], 1))[1:1796]	datDJLHretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJLHretOUTSAt10))	DJLHESHIt10<-ES(datDJLHretOUTSAt10$rev.DJLHretOUTSAt10, p=0.975, method="historical")
DJLH	11	171	1967	2018-09-11	2018-09-11	DJLHretOUTSAt11<-ln(DJLHaprx[171:1967]/lead(DJLHaprx[171:1967], 1))[1:1796]	datDJLHretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJLHretOUTSAt11))	DJLHESHIt11<-ES(datDJLHretOUTSAt11$rev.DJLHretOUTSAt11, p=0.975, method="historical")
DJLH	12	170	1966	2018-09-12	2018-09-12	DJLHretOUTSAt12<-ln(DJLHaprx[170:1966]/lead(DJLHaprx[170:1966], 1))[1:1796]	datDJLHretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJLHretOUTSAt12))	DJLHESHIt12<-ES(datDJLHretOUTSAt12$rev.DJLHretOUTSAt12, p=0.975, method="historical")
DJLH	13	169	1965	2018-09-13	2018-09-13	DJLHretOUTSAt13<-ln(DJLHaprx[169:1965]/lead(DJLHaprx[169:1965], 1))[1:1796]	datDJLHretOUTSAt13<- data.frame(

DJLH	70	112	1908	2018-11-09	2018-11-09	DJLHretOUTSAt70<-ln(DJLHapprx[112:1908]/lead(DJLHapprx[112:1908], 1))[1:1796]	datDJLHretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJLHretOUTSAt70))	DJLHESHIt70<-ES(datDJLHretOUTSAt70$rev.DJLHretOUTSAt70, p=0.975, method="historical")
DJLH	71	111	1907	2018-11-10	2018-11-10	DJLHretOUTSAt71<-ln(DJLHapprx[111:1907]/lead(DJLHapprx[111:1907], 1))[1:1796]	datDJLHretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJLHretOUTSAt71))	DJLHESHIt71<-ES(datDJLHretOUTSAt71$rev.DJLHretOUTSAt71, p=0.975, method="historical")
DJLH	72	110	1906	2018-11-11	2018-11-11	DJLHretOUTSAt72<-ln(DJLHapprx[110:1906]/lead(DJLHapprx[110:1906], 1))[1:1796]	datDJLHretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJLHretOUTSAt72))	DJLHESHIt72<-ES(datDJLHretOUTSAt72$rev.DJLHretOUTSAt72, p=0.975, method="historical")
DJLH	73	109	1905	2018-11-12	2018-11-12	DJLHretOUTSAt73<-ln(DJLHapprx[109:1905]/lead(DJLHapprx[109:1905], 1))[1:1796]	datDJLHretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJLHretOUTSAt73))	DJLHESHIt73<-ES(datDJLHretOUTSAt73$rev.DJLHretOUTSAt73, p=0.975, method="historical")
DJLH	74	108	1904	2018-11-13	2018-11-13	DJLHretOUTSAt74<-ln(DJLHapprx[108:1904]/lead(DJLHapprx[108:1904], 1))[1:1796]	datDJLHretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJLHretOUTSAt74))	DJLHESHIt74<-ES(datDJLHretOUTSAt74$rev.DJLHretOUTSAt74, p=0.975, method="historical")
DJLH	75	107	1903	2018-11-14	2018-11-14	DJLHretOUTSAt75<-ln(DJLHapprx[107:1903]/lead(DJLHapprx[107:1903], 1))[1:1796]	datDJLHretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJLHretOUTSAt75))	DJLHESHIt75<-ES(datDJLHretOUTSAt75$rev.DJLHretOUTSAt75, p=0.975, method="historical")
DJLH	76	106	1902	2018-11-15	2018-11-15	DJLHretOUTSAt76<-ln(DJLHapprx[106:1902]/lead(DJLHapprx[106:1902], 1))[1:1796]	datDJLHretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJLHretOUTSAt76))	DJLHESHIt76<-ES(datDJLHretOUTSAt76$rev.DJLHretOUTSAt76, p=0.975, method="historical")
DJLH	77	105	1901	2018-11-16	2018-11-16	DJLHretOUTSAt77<-ln(DJLHapprx[105:1901]/lead(DJLHapprx[105:1901], 1))[1:1796]	datDJLHretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJLHretOUTSAt77))	DJLHESHIt77<-ES(datDJLHretOUTSAt77$rev.DJLHretOUTSAt77, p=0.975, method="historical")
DJLH	78	104	1900	2018-11-17	2018-11-17	DJLHretOUTSAt78<-ln(DJLHapprx[104:1900]/lead(DJLHapprx[104:1900], 1))[1:1796]	datDJLHretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJLHretOUTSAt78))	DJLHESHIt78<-ES(datDJLHretOUTSAt78$rev.DJLHretOUTSAt78, p=0.975, method="historical")
DJLH	79	103	1899	2018-11-18	2018-11-18	DJLHretOUTSAt79<-ln(DJLHapprx[103:1899]/lead(DJLHapprx[103:1899], 1))[1:1796]	datDJLHretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJLHretOUTSAt79))	DJLHESHIt79<-ES(datDJLHretOUTSAt79$rev.DJLHretOUTSAt79, p=0.975, method="historical")
DJLH	80	102	1898	2018-11-19	2018-11-19	DJLHretOUTSAt80<-ln(DJLHapprx[102:1898]/lead(DJLHapprx[102:1898], 1))[1:1796]	datDJLHretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJLHretOUTSAt80))	DJLHESHIt80<-ES(datDJLHretOUTSAt80$rev.DJLHretOUTSAt80, p=0.975, method="historical")
DJLH	81	101	1897	2018-11-20	2018-11-20	DJLHretOUTSAt81<-ln(DJLHapprx[101:1897]/lead(DJLHapprx[101:1897], 1))[1:1796]	datDJLHretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJLHretOUTSAt81))	DJLHESHIt81<-ES(datDJLHretOUTSAt81$rev.DJLHretOUTSAt81, p=0.975, method="historical")
DJLH	82	100	1896	2018-11-21	2018-11-21	DJLHretOUTSAt82<-ln(DJLHapprx[100:1896]/lead(DJLHapprx[100:1896], 1))[1:1796]	datDJLHretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJLHretOUTSAt82))	DJLHESHIt82<-ES(datDJLHretOUTSAt82$rev.DJLHretOUTSAt82, p=0.975, method="historical")
DJLH	83	99	1895	2018-11-22	2018-11-22	DJLHretOUTSAt83<-ln(DJLHapprx[99:1895]/lead(DJLHapprx[99:1895], 1))[1:1796]	datDJLHretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJLHretOUTSAt83))	DJLHESHIt83<-ES(datDJLHretOUTSAt83$rev.DJLHretOUTSAt83, p=0.975, method="historical")
DJLH	84	98	1894	2018-11-23	2018-11-23	DJLHretOUTSAt84<-ln(DJLHapprx[98:1894]/lead(DJLHapprx[98:1894], 1))[1:1796]	datDJLHretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJLHretOUTSAt84))	DJLHESHIt84<-ES(datDJLHretOUTSAt84$rev.DJLHretOUTSAt84, p=0.975, method="historical")
DJLH	85	97	1893	2018-11-24	2018-11-24	DJLHretOUTSAt85<-ln(DJLHapprx[97:1893]/lead(DJLHapprx[97:1893], 1))[1:1796]	datDJLHretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJLHretOUTSAt85))	DJLHESHIt85<-ES(datDJLHretOUTSAt85$rev.DJLHretOUTSAt85, p=0.975, method="historical")
DJLH	86	96	1892	2018-11-25	2018-11-25	DJLHretOUTSAt86<-ln(DJLHapprx[96:1892]/lead(DJLHapprx[96:1892], 1))[1:1796]	datDJLHretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJLHretOUTSAt86))	DJLHESHIt86<-ES(datDJLHretOUTSAt86$rev.DJLHretOUTSAt86, p=0.975, method="historical")
DJLH	87	95	1891	2018-11-26	2018-11-26	DJLHretOUTSAt87<-ln(DJLHapprx[95:1891]/lead(DJLHapprx[95:1891], 1))[1:1796]	datDJLHretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJLHretOUTSAt87))	DJLHESHIt87<-ES(datDJLHretOUTSAt87$rev.DJLHretOUTSAt87, p=0.975, method="historical")
DJLH	88	94	1890	2018-11-27	2018-11-27	DJLHretOUTSAt88<-ln(DJLHapprx[94:1890]/lead(DJLHapprx[94:1890], 1))[1:1796]	datDJLHretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJLHretOUTSAt88))	DJLHESHIt88<-ES(datDJLHretOUTSAt88$rev.DJLHretOUTSAt88, p=0.975, method="historical")
DJLH	89	93	1889	2018-11-28	2018-11-28	DJLHretOUTSAt89<-ln(DJLHapprx[93:1889]/lead(DJLHapprx[93:1889], 1))[1:1796]	datDJLHretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJLHretOUTSAt89))	DJLHESHIt89<-ES(datDJLHretOUTSAt89$rev.DJLHretOUTSAt89, p=0.975, method="historical")
DJLH	90	92	1888	2018-11-29	2018-11-29	DJLHretOUTSAt90<-ln(DJLHapprx[92:1888]/lead(DJLHapprx[92:1888], 1))[1:1796]	datDJLHretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJLHretOUTSAt90))	DJLHESHIt90<-ES(datDJLHretOUTSAt90$rev.DJLHretOUTSAt90, p=0.975, method="historical")
DJLH	91	91	1887	2018-11-30	2018-11-30	DJLHretOUTSAt91<-ln(DJLHapprx[91:1887]/lead(DJLHapprx[91:1887], 1))[1:1796]	datDJLHretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJLHretOUTSAt91))	DJLHESHIt91<-ES(datDJLHretOUTSAt91$rev.DJLHretOUTSAt91, p=0.975, method="historical")
DJLH	92	90	1886	2018-12-01	2018-12-01	DJLHretOUTSAt92<-ln(DJLHapprx[90:1886]/lead(DJLHapprx[90:1886], 1))[1:1796]	datDJLHretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJLHretOUTSAt92))	DJLHESHIt92<-ES(datDJLHretOUTSAt92$rev.DJLHretOUTSAt92, p=0.975, method="historical")
DJLH	93	89	1885	2018-12-02	2018-12-02	DJLHretOUTSAt93<-ln(DJLHapprx[89:1885]/lead(DJLHapprx[89:1885], 1))[1:1796]	datDJLHretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJLHretOUTSAt93))	DJLHESHIt93<-ES(datDJLHretOUTSAt93$rev.DJLHretOUTSAt93, p=0.975, method="historical")
DJLH	94	88	1884	2018-12-03	2018-12-03	DJLHretOUTSAt94<-ln(DJLHapprx[88:1884]/lead(DJLHapprx[88:1884], 1))[1:1796]	datDJLHretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJLHretOUTSAt94))	DJLHESHIt94<-ES(datDJLHretOUTSAt94$rev.DJLHretOUTSAt94, p=0.975, method="historical")
DJLH	95	87	1883	2018-12-04	2018-12-04	DJLHretOUTSAt95<-ln(DJLHapprx[87:1883]/lead(DJLHapprx[87:1883], 1))[1:1796]	datDJLHretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJLHretOUTSAt95))	DJLHESHIt95<-ES(datDJLHretOUTSAt95$rev.DJLHretOUTSAt95, p=0.975, method="historical")
DJLH	96	86	1882	2018-12-05	2018-12-05	DJLHretOUTSAt96<-ln(DJLHapprx[86:1882]/lead(DJLHapprx[86:1882], 1))[1:1796]	datDJLHretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJLHretOUTSAt96))	DJLHESHIt96<-ES(datDJLHretOUTSAt96$rev.DJLHretOUTSAt96, p=0.975, method="historical")
DJLH	97	85	1881	2018-12-06	2018-12-06	DJLHretOUTSAt97<-ln(DJLHapprx[85:1881]/lead(DJLHapprx[85:1881], 1))[1:1796]	datDJLHretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJLHretOUTSAt97))	DJLHESHIt97<-ES(datDJLHretOUTSAt97$rev.DJLHretOUTSAt97, p=0.975, method="historical")
DJLH	98	84	1880	2018-12-07	2018-12-07	DJLHretOUTSAt98<-ln(DJLHapprx[84:1880]/lead(DJLHapprx[84:1880], 1))[1:1796]	datDJLHretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJLHretOUTSAt98))	DJLHESHIt98<-ES(datDJLHretOUTSAt98$rev.DJLHretOUTSAt98, p=0.975, method="historical")
DJLH	99	83	1879	2018-12-08	2018-12-08	DJLHretOUTSAt99<-ln(DJLHapprx[83:1879]/lead(DJLHapprx[83:1879], 1))[1:1796]	datDJLHretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJLHretOUTSAt99))	DJLHESHIt99<-ES(datDJLHretOUTSAt99$rev.DJLHretOUTSAt99, p=0.975, method="historical")
DJLH	100	82	1878	2018-12-09	2018-12-09	DJLHretOUTSAt100<-ln(DJLHapprx[82:1878]/lead(DJLHapprx[82:1878], 1))[1:1796]	datDJLHretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJLHretOUTSAt100))	DJLHESHIt100<-ES(datDJLHretOUTSAt100$rev.DJLHretOUTSAt100, p=0.975, method="historical")
DJLH	101	81	1877	2018-12-10	2018-12-10	DJLHretOUTSAt101<-ln(DJLHapprx[81:1877]/lead(DJLHapprx[81:1877], 1))[1:1796]	datDJLHretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJLHretOUTSAt101))	DJLHESHIt101<-ES(datDJLHretOUTSAt101$rev.DJLHretOUTSAt101, p=0.975, method="historical")
DJLH	102	80	1876	2018-12-11	2018-12-11	DJLHretOUTSAt102<-ln(DJLHapprx[80:1876]/lead(DJLHapprx[80:1876], 1))[1:1796]	datDJLHretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJLHretOUTSAt102))	DJLHESHIt102<-ES(datDJLHretOUTSAt102$rev.DJLHretOUTSAt102, p=0.975, method="historical")
DJLH	103	79	1875	2018-12-12	2018-12-12	DJLHretOUTSAt103<-ln(DJLHapprx[79:1875]/lead(DJLHapprx[79:1875], 1))[1:1796]	datDJLHretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJLHretOUTSAt103))	DJLHESHIt103<-ES(datDJLHretOUTSAt103$rev.DJLHretOUTSAt103, p=0.975, method="historical")
DJLH	104	78	1874	2018-12-13	2018-12-13	DJLHretOUTSAt104<-ln(DJLHapprx[78:1874]/lead(DJLHapprx[78:1874], 1))[1:1796]	datDJLHretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJLHretOUTSAt104))	DJLHESHIt104<-ES(datDJLHretOUTSAt104$rev.DJLHretOUTSAt104, p=0.975, method="historical")
DJLH	105	77	1873	2018-12-14	2018-12-14	DJLHretOUTSAt105<-ln(DJLHapprx[77:1873]/lead(DJLHapprx[77:1873], 1))[1:1796]	datDJLHretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJLHretOUTSAt105))	DJLHESHIt105<-ES(datDJLHretOUTSAt105$rev.DJLHretOUTSAt105, p=0.975, method="historical")
DJLH	106	76	1872	2018-12-15	2018-12-15	DJLHretOUTSAt106<-ln(DJLHapprx[76:1872]/lead(DJLHapprx[76:1872], 1))[1:1796]	datDJLHretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJLHretOUTSAt106))	DJLHESHIt106<-ES(datDJLHretOUTSAt106$rev.DJLHretOUTSAt106, p=0.975, method="historical")
DJLH	107	75	1871	2018-12-16	2018-12-16	DJLHretOUTSAt107<-ln(DJLHapprx[75:1871]/lead(DJLHapprx[75:1871], 1))[1:1796]	datDJLHretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJLHretOUTSAt107))	DJLHESHIt107<-ES(datDJLHretOUTSAt107$rev.DJLHretOUTSAt107, p=0.975, method="historical")
DJLH	108	74	1870	2018-12-17	2018-12-17	DJLHretOUTSAt108<-ln(DJLHapprx[74:1870]/lead(DJLHapprx[74:1870], 1))[1:1796]	datDJLHretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJLHretOUTSAt108))	DJLHESHIt108<-ES(datDJLHretOUTSAt108$rev.DJLHretOUTSAt108, p=0.975, method="historical")
DJLH	109	73	1869	2018-12-18	2018-12-18	DJLHretOUTSAt109<-ln(DJLHapprx[73:1869]/lead(DJLHapprx[73:1869], 1))[1:1796]	datDJLHretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJLHretOUTSAt109))	DJLHESHIt109<-ES(datDJLHretOUTSAt109$rev.DJLHretOUTSAt109, p=0.975, method="historical")
DJLH	110	72	1868	2018-12-19	2018-12-19	DJLHretOUTSAt110<-ln(DJLHapprx[72:1868]/lead(DJLHapprx[72:1868], 1))[1:1796]	datDJLHretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJLHretOUTSAt110))	DJLHESHIt110<-ES(datDJLHretOUTSAt110$rev.DJLHretOUTSAt110, p=0.975, method="historical")
DJLH	111	71	1867	2018-12-20	2018-12-20	DJLHretOUTSAt111<-ln(DJLHapprx[71:1867]/lead(DJLHapprx[71:1867], 1))[1:1796]	datDJLHretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJLHretOUTSAt111))	DJLHESHIt111<-ES(datDJLHretOUTSAt111$rev.DJLHretOUTSAt111, p=0.975, method="historical")
DJLH	112	70	1866	2018-12-21	2018-12-21	DJLHretOUTSAt112<-ln(DJLHapprx[70:1866]/lead(DJLHapprx[70:1866], 1))[1:1796]	datDJLHretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJLHretOUTSAt112))	DJLHESHIt112<-ES(datDJLHretOUTSAt112$rev.DJLHretOUTSAt112, p=0.975, method="historical")
DJLH	113	69	1865	2018-12-22	2018-12-22	DJLHretOUTSAt113<-ln(DJLHapprx[69:1865]/lead(DJLHapprx[69:1865], 1))[1:1796]	datDJLHretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJLHretOUTSAt113))	DJLHESHIt113<-ES(datDJLHretOUTSAt113$rev.DJLHretOUTSAt113, p=0.975, method="historical")
DJLH	114	68	1864	2018-12-23	2018-12-23	DJLHretOUTSAt114<-ln(DJLHapprx[68:1864]/lead(DJLHapprx[68:1864], 1))[1:1796]	datDJLHretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJLHretOUTSAt114))	DJLHESHIt114<-ES(datDJLHretOUTSAt114$rev.DJLHretOUTSAt114, p=0.975, method="historical")
DJLH	115	67	1863	2018-12-24	2018-12-24	DJLHretOUTSAt115<-ln(DJLHapprx[67:1863]/lead(DJLHapprx[67:1863], 1))[1:1796]	datDJLHretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJLHretOUTSAt115))	DJLHESHIt115<-ES(datDJLHretOUTSAt115$rev.DJLHretOUTSAt115, p=0.975, method="historical")
DJLH	116	66	1862	2018-12-25	2018-12-25	DJLHretOUTSAt116<-ln(DJLHapprx[66:1862]/lead(DJLHapprx[66:1862], 1))[1:1796]	datDJLHretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJLHretOUTSAt116))	DJLHESHIt116<-ES(datDJLHretOUTSAt116$rev.DJLHretOUTSAt116, p=0.975, method="historical")
DJLH	117	65	1861	2018-12-26	2018-12-26	DJLHretOUTSAt117<-ln(DJLHapprx[65:1861]/lead(DJLHapprx[65:1861], 1))[1:1796]	datDJLHretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJLHretOUTSAt117))	DJLHESHIt117<-ES(datDJLHretOUTSAt117$rev.DJLHretOUTSAt117, p=0.975, method="historical")
DJLH	118	64	1860	2018-12-27	2018-12-27	DJLHretOUTSAt118<-ln(DJLHapprx[64:1860]/lead(DJLHapprx[64:1860], 1))[1:1796]	datDJLHretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJLHretOUTSAt118))	DJLHESHIt118<-ES(datDJLHretOUTSAt118$rev.DJLHretOUTSAt118, p=0.975, method="historical")
DJLH	119	63	1859	2018-12-28	2018-12-28	DJLHretOUTSAt119<-ln(DJLHapprx[63:1859]/lead(DJLHapprx[63:1859], 1))[1:1796]	datDJLHretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJLHretOUTSAt119))	DJLHESHIt119<-ES(datDJLHretOUTSAt119$rev.DJLHretOUTSAt119, p=0.975, method="historical")
DJLH	120	62	1858	2018-12-29	2018-12-29	DJLHretOUTSAt120<-ln(DJLHapprx[62:1858]/lead(DJLHapprx[62:1858], 1))[1:1796]	datDJLHretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJLHretOUTSAt120))	DJLHESHIt120<-ES(datDJLHretOUTSAt120$rev.DJLHretOUTSAt120, p=0.975, method="historical")
DJLH	121	61	1857	2018-12-30	2018-12-30	DJLHretOUTSAt121<-ln(DJLHapprx[61:1857]/lead(DJLHapprx[61:1857], 1))[1:1796]	datDJLHretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJLHretOUTSAt121))	DJLHESHIt121<-ES(datDJLHretOUTSAt121$rev.DJLHretOUTSAt121, p=0.975, method="historical")
DJLH	122	60	1856	2018-12-31	2018-12-31	DJLHretOUTSAt122<-ln(DJLHapprx[60:1856]/lead(DJLHapprx[60:1856], 1))[1:1796]	datDJLHretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJLHretOUTSAt122))	DJLHESHIt122<-ES(datDJLHretOUTSAt122$rev.DJLHretOUTSAt122, p=0.975, method="historical")
DJLH	123	59	1855	2019-01-01	2019-01-01	DJLHretOUTSAt123<-ln(DJLHapprx[59:1855]/lead(DJLHapprx[59:1855], 1))[1:1796]	datDJLHretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJLHretOUTSAt123))	DJLHESHIt123<-ES(datDJLHretOUTSAt123$rev.DJLHretOUTSAt123, p=0.975, method="historical")
DJLH	124	58	1854	2019-01-02	2019-01-02	DJLHretOUTSAt124<-ln(DJLHapprx[58:1854]/lead(DJLHapprx[58:1854], 1))[1:1796]	datDJLHretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJLHretOUTSAt124))	DJLHESHIt124<-ES(datDJLHretOUTSAt124$rev.DJLHretOUTSAt124, p=0.975, method="historical")
DJLH	125	57	1853	2019-01-03	2019-01-03	DJLHretOUTSAt125<-ln(DJLHapprx[57:1853]/lead(DJLHapprx[57:1853], 1))[1:1796]	datDJLHretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJLHretOUTSAt125))	DJLHESHIt125<-ES(datDJLHretOUTSAt125$rev.DJLHretOUTSAt125, p=0.975, method="historical")
DJLH	126	56	1852	2019-01-04	2019-01-04	DJLHretOUTSAt126<-ln(DJLHapprx[56:1852]/lead(DJLHapprx[56:1852], 1))[1:1796]	datDJLHretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJLHretOUTSAt126))	DJLHESHIt126<-ES(datDJLHretOUTSAt126$rev.DJLHretOUTSAt126, p=0.975, method="historical")
DJLH	127	55	1851	2019-01-05	2019-01-05	DJLHretOUTSAt127<-ln(DJLHapprx[55:1851]/lead(DJLHapprx[55:1851], 1))[1:1796]	datDJLHretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJLHretOUTSAt127))	DJLHESHIt127<-ES(datDJLHretOUTSAt127$rev.DJLHretOUTSAt127, p=0.975, method="historical")
DJLH	128	54	1850	2019-01-06	2019-01-06	DJLHretOUTSAt128<-ln(DJLHapprx[54:1850]/lead(DJLHapprx[54:1850], 1))[1:1796]	datDJLHretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJLHretOUTSAt128))	DJLHESHIt128<-ES(datDJLHretOUTSAt128$rev.DJLHretOUTSAt128, p=0.975, method="historical")
DJLH	129	53	1849	2019-01-07	2019-01-07	DJLHretOUTSAt129<-ln(DJLHapprx[53:1849]/lead(DJLHapprx[53:1849], 1))[1:1796]	datDJLHretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJLHretOUTSAt129))	DJLHESHIt129<-ES(datDJLHretOUTSAt129$rev.DJLHretOUTSAt129, p=0.975, method="historical")
DJLH	130	52	1848	2019-01-08	2019-01-08	DJLHretOUTSAt130<-ln(DJLHapprx[52:1848]/lead(DJLHapprx[52:1848], 1))[1:1796]	datDJLHretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJLHretOUTSAt130))	DJLHESHIt130<-ES(datDJLHretOUTSAt130$rev.DJLHretOUTSAt130, p=0.975, method="historical")
DJLH	131	51	1847	2019-01-09	2019-01-09	DJLHretOUTSAt131<-ln(DJLHapprx[51:1847]/lead(DJLHapprx[51:1847], 1))[1:1796]	datDJLHretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJLHretOUTSAt131))	DJLHESHIt131<-ES(datDJLHretOUTSAt131$rev.DJLHretOUTSAt131, p=0.975, method="historical")
DJLH	132	50	1846	2019-01-10	2019-01-10	DJLHretOUTSAt132<-ln(DJLHapprx[50:1846]/lead(DJLHapprx[50:1846], 1))[1:1796]	datDJLHretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJLHretOUTSAt132))	DJLHESHIt132<-ES(datDJLHretOUTSAt132$rev.DJLHretOUTSAt132, p=0.975, method="historical")
DJLH	133	49	1845	2019-01-11	2019-01-11	DJLHretOUTSAt133<-ln(DJLHapprx[49:1845]/lead(DJLHapprx[49:1845], 1))[1:1796]	datDJLHretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJLHretOUTSAt133))	DJLHESHIt133<-ES(datDJLHretOUTSAt133$rev.DJLHretOUTSAt133, p=0.975, method="historical")
DJLH	134	48	1844	2019-01-12	2019-01-12	DJLHretOUTSAt134<-ln(DJLHapprx[48:1844]/lead(DJLHapprx[48:1844], 1))[1:1796]	datDJLHretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJLHretOUTSAt134))	DJLHESHIt134<-ES(datDJLHretOUTSAt134$rev.DJLHretOUTSAt134, p=0.975, method="historical")
DJLH	135	47	1843	2019-01-13	2019-01-13	DJLHretOUTSAt135<-ln(DJLHapprx[47:1843]/lead(DJLHapprx[47:1843], 1))[1:1796]	datDJLHretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJLHretOUTSAt135))	DJLHESHIt135<-ES(datDJLHretOUTSAt135$rev.DJLHretOUTSAt135, p=0.975, method="historical")
DJLH	136	46	1842	2019-01-14	2019-01-14	DJLHretOUTSAt136<-ln(DJLHapprx[46:1842]/lead(DJLHapprx[46:1842], 1))[1:1796]	datDJLHretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJLHretOUTSAt136))	DJLHESHIt136<-ES(datDJLHretOUTSAt136$rev.DJLHretOUTSAt136, p=0.975, method="historical")
DJLH	137	45	1841	2019-01-15	2019-01-15	DJLHretOUTSAt137<-ln(DJLHapprx[45:1841]/lead(DJLHapprx[45:1841], 1))[1:1796]	datDJLHretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJLHretOUTSAt137))	DJLHESHIt137<-ES(datDJLHretOUTSAt137$rev.DJLHretOUTSAt137, p=0.975, method="historical")
DJLH	138	44	1840	2019-01-16	2019-01-16	DJLHretOUTSAt138<-ln(DJLHapprx[44:1840]/lead(DJLHapprx[44:1840], 1))[1:1796]	datDJLHretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJLHretOUTSAt138))	DJLHESHIt138<-ES(datDJLHretOUTSAt138$rev.DJLHretOUTSAt138, p=0.975, method="historical")
DJLH	139	43	1839	2019-01-17	2019-01-17	DJLHretOUTSAt139<-ln(DJLHapprx[43:1839]/lead(DJLHapprx[43:1839], 1))[1:1796]	datDJLHretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJLHretOUTSAt139))	DJLHESHIt139<-ES(datDJLHretOUTSAt139$rev.DJLHretOUTSAt139, p=0.975, method="historical")
DJLH	140	42	1838	2019-01-18	2019-01-18	DJLHretOUTSAt140<-ln(DJLHapprx[42:1838]/lead(DJLHapprx[42:1838], 1))[1:1796]	datDJLHretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date

DJNG	16	166	1962	2018-09-16	2018-09-16	DJNGretOUTSAt16<-ln(DJNGaprx[166:1962]/lead(DJNGaprx[166:1962], 1))[1:1796]	datDJNGretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJNGretOUTSAt16))	DJNGESHIt16<-ES(datDJNGretOUTSAt16$rev.DJNGretOUTSAt16, p=0.975, method="historical")
DJNG	17	165	1961	2018-09-17	2018-09-17	DJNGretOUTSAt17<-ln(DJNGaprx[165:1961]/lead(DJNGaprx[165:1961], 1))[1:1796]	datDJNGretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJNGretOUTSAt17))	DJNGESHIt17<-ES(datDJNGretOUTSAt17$rev.DJNGretOUTSAt17, p=0.975, method="historical")
DJNG	18	164	1960	2018-09-18	2018-09-18	DJNGretOUTSAt18<-ln(DJNGaprx[164:1960]/lead(DJNGaprx[164:1960], 1))[1:1796]	datDJNGretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJNGretOUTSAt18))	DJNGESHIt18<-ES(datDJNGretOUTSAt18$rev.DJNGretOUTSAt18, p=0.975, method="historical")
DJNG	19	163	1959	2018-09-19	2018-09-19	DJNGretOUTSAt19<-ln(DJNGaprx[163:1959]/lead(DJNGaprx[163:1959], 1))[1:1796]	datDJNGretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJNGretOUTSAt19))	DJNGESHIt19<-ES(datDJNGretOUTSAt19$rev.DJNGretOUTSAt19, p=0.975, method="historical")
DJNG	20	162	1958	2018-09-20	2018-09-20	DJNGretOUTSAt20<-ln(DJNGaprx[162:1958]/lead(DJNGaprx[162:1958], 1))[1:1796]	datDJNGretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJNGretOUTSAt20))	DJNGESHIt20<-ES(datDJNGretOUTSAt20$rev.DJNGretOUTSAt20, p=0.975, method="historical")
DJNG	21	161	1957	2018-09-21	2018-09-21	DJNGretOUTSAt21<-ln(DJNGaprx[161:1957]/lead(DJNGaprx[161:1957], 1))[1:1796]	datDJNGretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJNGretOUTSAt21))	DJNGESHIt21<-ES(datDJNGretOUTSAt21$rev.DJNGretOUTSAt21, p=0.975, method="historical")
DJNG	22	160	1956	2018-09-22	2018-09-22	DJNGretOUTSAt22<-ln(DJNGaprx[160:1956]/lead(DJNGaprx[160:1956], 1))[1:1796]	datDJNGretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJNGretOUTSAt22))	DJNGESHIt22<-ES(datDJNGretOUTSAt22$rev.DJNGretOUTSAt22, p=0.975, method="historical")
DJNG	23	159	1955	2018-09-23	2018-09-23	DJNGretOUTSAt23<-ln(DJNGaprx[159:1955]/lead(DJNGaprx[159:1955], 1))[1:1796]	datDJNGretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJNGretOUTSAt23))	DJNGESHIt23<-ES(datDJNGretOUTSAt23$rev.DJNGretOUTSAt23, p=0.975, method="historical")
DJNG	24	158	1954	2018-09-24	2018-09-24	DJNGretOUTSAt24<-ln(DJNGaprx[158:1954]/lead(DJNGaprx[158:1954], 1))[1:1796]	datDJNGretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJNGretOUTSAt24))	DJNGESHIt24<-ES(datDJNGretOUTSAt24$rev.DJNGretOUTSAt24, p=0.975, method="historical")
DJNG	25	157	1953	2018-09-25	2018-09-25	DJNGretOUTSAt25<-ln(DJNGaprx[157:1953]/lead(DJNGaprx[157:1953], 1))[1:1796]	datDJNGretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJNGretOUTSAt25))	DJNGESHIt25<-ES(datDJNGretOUTSAt25$rev.DJNGretOUTSAt25, p=0.975, method="historical")
DJNG	26	156	1952	2018-09-26	2018-09-26	DJNGretOUTSAt26<-ln(DJNGaprx[156:1952]/lead(DJNGaprx[156:1952], 1))[1:1796]	datDJNGretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJNGretOUTSAt26))	DJNGESHIt26<-ES(datDJNGretOUTSAt26$rev.DJNGretOUTSAt26, p=0.975, method="historical")
DJNG	27	155	1951	2018-09-27	2018-09-27	DJNGretOUTSAt27<-ln(DJNGaprx[155:1951]/lead(DJNGaprx[155:1951], 1))[1:1796]	datDJNGretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJNGretOUTSAt27))	DJNGESHIt27<-ES(datDJNGretOUTSAt27$rev.DJNGretOUTSAt27, p=0.975, method="historical")
DJNG	28	154	1950	2018-09-28	2018-09-28	DJNGretOUTSAt28<-ln(DJNGaprx[154:1950]/lead(DJNGaprx[154:1950], 1))[1:1796]	datDJNGretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJNGretOUTSAt28))	DJNGESHIt28<-ES(datDJNGretOUTSAt28$rev.DJNGretOUTSAt28, p=0.975, method="historical")
DJNG	29	153	1949	2018-09-29	2018-09-29	DJNGretOUTSAt29<-ln(DJNGaprx[153:1949]/lead(DJNGaprx[153:1949], 1))[1:1796]	datDJNGretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJNGretOUTSAt29))	DJNGESHIt29<-ES(datDJNGretOUTSAt29$rev.DJNGretOUTSAt29, p=0.975, method="historical")
DJNG	30	152	1948	2018-09-30	2018-09-30	DJNGretOUTSAt30<-ln(DJNGaprx[152:1948]/lead(DJNGaprx[152:1948], 1))[1:1796]	datDJNGretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJNGretOUTSAt30))	DJNGESHIt30<-ES(datDJNGretOUTSAt30$rev.DJNGretOUTSAt30, p=0.975, method="historical")
DJNG	31	151	1947	2018-10-01	2018-10-01	DJNGretOUTSAt31<-ln(DJNGaprx[151:1947]/lead(DJNGaprx[151:1947], 1))[1:1796]	datDJNGretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJNGretOUTSAt31))	DJNGESHIt31<-ES(datDJNGretOUTSAt31$rev.DJNGretOUTSAt31, p=0.975, method="historical")
DJNG	32	150	1946	2018-10-02	2018-10-02	DJNGretOUTSAt32<-ln(DJNGaprx[150:1946]/lead(DJNGaprx[150:1946], 1))[1:1796]	datDJNGretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJNGretOUTSAt32))	DJNGESHIt32<-ES(datDJNGretOUTSAt32$rev.DJNGretOUTSAt32, p=0.975, method="historical")
DJNG	33	149	1945	2018-10-03	2018-10-03	DJNGretOUTSAt33<-ln(DJNGaprx[149:1945]/lead(DJNGaprx[149:1945], 1))[1:1796]	datDJNGretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJNGretOUTSAt33))	DJNGESHIt33<-ES(datDJNGretOUTSAt33$rev.DJNGretOUTSAt33, p=0.975, method="historical")
DJNG	34	148	1944	2018-10-04	2018-10-04	DJNGretOUTSAt34<-ln(DJNGaprx[148:1944]/lead(DJNGaprx[148:1944], 1))[1:1796]	datDJNGretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(DJNGretOUTSAt34))	DJNGESHIt34<-ES(datDJNGretOUTSAt34$rev.DJNGretOUTSAt34, p=0.975, method="historical")
DJNG	35	147	1943	2018-10-05	2018-10-05	DJNGretOUTSAt35<-ln(DJNGaprx[147:1943]/lead(DJNGaprx[147:1943], 1))[1:1796]	datDJNGretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(DJNGretOUTSAt35))	DJNGESHIt35<-ES(datDJNGretOUTSAt35$rev.DJNGretOUTSAt35, p=0.975, method="historical")
DJNG	36	146	1942	2018-10-06	2018-10-06	DJNGretOUTSAt36<-ln(DJNGaprx[146:1942]/lead(DJNGaprx[146:1942], 1))[1:1796]	datDJNGretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(DJNGretOUTSAt36))	DJNGESHIt36<-ES(datDJNGretOUTSAt36$rev.DJNGretOUTSAt36, p=0.975, method="historical")
DJNG	37	145	1941	2018-10-07	2018-10-07	DJNGretOUTSAt37<-ln(DJNGaprx[145:1941]/lead(DJNGaprx[145:1941], 1))[1:1796]	datDJNGretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJNGretOUTSAt37))	DJNGESHIt37<-ES(datDJNGretOUTSAt37$rev.DJNGretOUTSAt37, p=0.975, method="historical")
DJNG	38	144	1940	2018-10-08	2018-10-08	DJNGretOUTSAt38<-ln(DJNGaprx[144:1940]/lead(DJNGaprx[144:1940], 1))[1:1796]	datDJNGretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJNGretOUTSAt38))	DJNGESHIt38<-ES(datDJNGretOUTSAt38$rev.DJNGretOUTSAt38, p=0.975, method="historical")
DJNG	39	143	1939	2018-10-09	2018-10-09	DJNGretOUTSAt39<-ln(DJNGaprx[143:1939]/lead(DJNGaprx[143:1939], 1))[1:1796]	datDJNGretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJNGretOUTSAt39))	DJNGESHIt39<-ES(datDJNGretOUTSAt39$rev.DJNGretOUTSAt39, p=0.975, method="historical")
DJNG	40	142	1938	2018-10-10	2018-10-10	DJNGretOUTSAt40<-ln(DJNGaprx[142:1938]/lead(DJNGaprx[142:1938], 1))[1:1796]	datDJNGretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJNGretOUTSAt40))	DJNGESHIt40<-ES(datDJNGretOUTSAt40$rev.DJNGretOUTSAt40, p=0.975, method="historical")
DJNG	41	141	1937	2018-10-11	2018-10-11	DJNGretOUTSAt41<-ln(DJNGaprx[141:1937]/lead(DJNGaprx[141:1937], 1))[1:1796]	datDJNGretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJNGretOUTSAt41))	DJNGESHIt41<-ES(datDJNGretOUTSAt41$rev.DJNGretOUTSAt41, p=0.975, method="historical")
DJNG	42	140	1936	2018-10-12	2018-10-12	DJNGretOUTSAt42<-ln(DJNGaprx[140:1936]/lead(DJNGaprx[140:1936], 1))[1:1796]	datDJNGretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJNGretOUTSAt42))	DJNGESHIt42<-ES(datDJNGretOUTSAt42$rev.DJNGretOUTSAt42, p=0.975, method="historical")
DJNG	43	139	1935	2018-10-13	2018-10-13	DJNGretOUTSAt43<-ln(DJNGaprx[139:1935]/lead(DJNGaprx[139:1935], 1))[1:1796]	datDJNGretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJNGretOUTSAt43))	DJNGESHIt43<-ES(datDJNGretOUTSAt43$rev.DJNGretOUTSAt43, p=0.975, method="historical")
DJNG	44	138	1934	2018-10-14	2018-10-14	DJNGretOUTSAt44<-ln(DJNGaprx[138:1934]/lead(DJNGaprx[138:1934], 1))[1:1796]	datDJNGretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJNGretOUTSAt44))	DJNGESHIt44<-ES(datDJNGretOUTSAt44$rev.DJNGretOUTSAt44, p=0.975, method="historical")
DJNG	45	137	1933	2018-10-15	2018-10-15	DJNGretOUTSAt45<-ln(DJNGaprx[137:1933]/lead(DJNGaprx[137:1933], 1))[1:1796]	datDJNGretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJNGretOUTSAt45))	DJNGESHIt45<-ES(datDJNGretOUTSAt45$rev.DJNGretOUTSAt45, p=0.975, method="historical")
DJNG	46	136	1932	2018-10-16	2018-10-16	DJNGretOUTSAt46<-ln(DJNGaprx[136:1932]/lead(DJNGaprx[136:1932], 1))[1:1796]	datDJNGretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJNGretOUTSAt46))	DJNGESHIt46<-ES(datDJNGretOUTSAt46$rev.DJNGretOUTSAt46, p=0.975, method="historical")
DJNG	47	135	1931	2018-10-17	2018-10-17	DJNGretOUTSAt47<-ln(DJNGaprx[135:1931]/lead(DJNGaprx[135:1931], 1))[1:1796]	datDJNGretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJNGretOUTSAt47))	DJNGESHIt47<-ES(datDJNGretOUTSAt47$rev.DJNGretOUTSAt47, p=0.975, method="historical")
DJNG	48	134	1930	2018-10-18	2018-10-18	DJNGretOUTSAt48<-ln(DJNGaprx[134:1930]/lead(DJNGaprx[134:1930], 1))[1:1796]	datDJNGretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJNGretOUTSAt48))	DJNGESHIt48<-ES(datDJNGretOUTSAt48$rev.DJNGretOUTSAt48, p=0.975, method="historical")
DJNG	49	133	1929	2018-10-19	2018-10-19	DJNGretOUTSAt49<-ln(DJNGaprx[133:1929]/lead(DJNGaprx[133:1929], 1))[1:1796]	datDJNGretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJNGretOUTSAt49))	DJNGESHIt49<-ES(datDJNGretOUTSAt49$rev.DJNGretOUTSAt49, p=0.975, method="historical")
DJNG	50	132	1928	2018-10-20	2018-10-20	DJNGretOUTSAt50<-ln(DJNGaprx[132:1928]/lead(DJNGaprx[132:1928], 1))[1:1796]	datDJNGretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJNGretOUTSAt50))	DJNGESHIt50<-ES(datDJNGretOUTSAt50$rev.DJNGretOUTSAt50, p=0.975, method="historical")
DJNG	51	131	1927	2018-10-21	2018-10-21	DJNGretOUTSAt51<-ln(DJNGaprx[131:1927]/lead(DJNGaprx[131:1927], 1))[1:1796]	datDJNGretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJNGretOUTSAt51))	DJNGESHIt51<-ES(datDJNGretOUTSAt51$rev.DJNGretOUTSAt51, p=0.975, method="historical")
DJNG	52	130	1926	2018-10-22	2018-10-22	DJNGretOUTSAt52<-ln(DJNGaprx[130:1926]/lead(DJNGaprx[130:1926], 1))[1:1796]	datDJNGretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJNGretOUTSAt52))	DJNGESHIt52<-ES(datDJNGretOUTSAt52$rev.DJNGretOUTSAt52, p=0.975, method="historical")
DJNG	53	129	1925	2018-10-23	2018-10-23	DJNGretOUTSAt53<-ln(DJNGaprx[129:1925]/lead(DJNGaprx[129:1925], 1))[1:1796]	datDJNGretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJNGretOUTSAt53))	DJNGESHIt53<-ES(datDJNGretOUTSAt53$rev.DJNGretOUTSAt53, p=0.975, method="historical")
DJNG	54	128	1924	2018-10-24	2018-10-24	DJNGretOUTSAt54<-ln(DJNGaprx[128:1924]/lead(DJNGaprx[128:1924], 1))[1:1796]	datDJNGretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJNGretOUTSAt54))	DJNGESHIt54<-ES(datDJNGretOUTSAt54$rev.DJNGretOUTSAt54, p=0.975, method="historical")
DJNG	55	127	1923	2018-10-25	2018-10-25	DJNGretOUTSAt55<-ln(DJNGaprx[127:1923]/lead(DJNGaprx[127:1923], 1))[1:1796]	datDJNGretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJNGretOUTSAt55))	DJNGESHIt55<-ES(datDJNGretOUTSAt55$rev.DJNGretOUTSAt55, p=0.975, method="historical")
DJNG	56	126	1922	2018-10-26	2018-10-26	DJNGretOUTSAt56<-ln(DJNGaprx[126:1922]/lead(DJNGaprx[126:1922], 1))[1:1796]	datDJNGretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJNGretOUTSAt56))	DJNGESHIt56<-ES(datDJNGretOUTSAt56$rev.DJNGretOUTSAt56, p=0.975, method="historical")
DJNG	57	125	1921	2018-10-27	2018-10-27	DJNGretOUTSAt57<-ln(DJNGaprx[125:1921]/lead(DJNGaprx[125:1921], 1))[1:1796]	datDJNGretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJNGretOUTSAt57))	DJNGESHIt57<-ES(datDJNGretOUTSAt57$rev.DJNGretOUTSAt57, p=0.975, method="historical")
DJNG	58	124	1920	2018-10-28	2018-10-28	DJNGretOUTSAt58<-ln(DJNGaprx[124:1920]/lead(DJNGaprx[124:1920], 1))[1:1796]	datDJNGretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(DJNGretOUTSAt58))	DJNGESHIt58<-ES(datDJNGretOUTSAt58$rev.DJNGretOUTSAt58, p=0.975, method="historical")
DJNG	59	123	1919	2018-10-29	2018-10-29	DJNGretOUTSAt59<-ln(DJNGaprx[123:1919]/lead(DJNGaprx[123:1919], 1))[1:1796]	datDJNGretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(DJNGretOUTSAt59))	DJNGESHIt59<-ES(datDJNGretOUTSAt59$rev.DJNGretOUTSAt59, p=0.975, method="historical")
DJNG	60	122	1918	2018-10-30	2018-10-30	DJNGretOUTSAt60<-ln(DJNGaprx[122:1918]/lead(DJNGaprx[122:1918], 1))[1:1796]	datDJNGretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(DJNGretOUTSAt60))	DJNGESHIt60<-ES(datDJNGretOUTSAt60$rev.DJNGretOUTSAt60, p=0.975, method="historical")
DJNG	61	121	1917	2018-10-31	2018-10-31	DJNGretOUTSAt61<-ln(DJNGaprx[121:1917]/lead(DJNGaprx[121:1917], 1))[1:1796]	datDJNGretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJNGretOUTSAt61))	DJNGESHIt61<-ES(datDJNGretOUTSAt61$rev.DJNGretOUTSAt61, p=0.975, method="historical")
DJNG	62	120	1916	2018-11-01	2018-11-01	DJNGretOUTSAt62<-ln(DJNGaprx[120:1916]/lead(DJNGaprx[120:1916], 1))[1:1796]	datDJNGretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJNGretOUTSAt62))	DJNGESHIt62<-ES(datDJNGretOUTSAt62$rev.DJNGretOUTSAt62, p=0.975, method="historical")
DJNG	63	119	1915	2018-11-02	2018-11-02	DJNGretOUTSAt63<-ln(DJNGaprx[119:1915]/lead(DJNGaprx[119:1915], 1))[1:1796]	datDJNGretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJNGretOUTSAt63))	DJNGESHIt63<-ES(datDJNGretOUTSAt63$rev.DJNGretOUTSAt63, p=0.975, method="historical")
DJNG	64	118	1914	2018-11-03	2018-11-03	DJNGretOUTSAt64<-ln(DJNGaprx[118:1914]/lead(DJNGaprx[118:1914], 1))[1:1796]	datDJNGretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJNGretOUTSAt64))	DJNGESHIt64<-ES(datDJNGretOUTSAt64$rev.DJNGretOUTSAt64, p=0.975, method="historical")
DJNG	65	117	1913	2018-11-04	2018-11-04	DJNGretOUTSAt65<-ln(DJNGaprx[117:1913]/lead(DJNGaprx[117:1913], 1))[1:1796]	datDJNGretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJNGretOUTSAt65))	DJNGESHIt65<-ES(datDJNGretOUTSAt65$rev.DJNGretOUTSAt65, p=0.975, method="historical")
DJNG	66	116	1912	2018-11-05	2018-11-05	DJNGretOUTSAt66<-ln(DJNGaprx[116:1912]/lead(DJNGaprx[116:1912], 1))[1:1796]	datDJNGretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJNGretOUTSAt66))	DJNGESHIt66<-ES(datDJNGretOUTSAt66$rev.DJNGretOUTSAt66, p=0.975, method="historical")
DJNG	67	115	1911	2018-11-06	2018-11-06	DJNGretOUTSAt67<-ln(DJNGaprx[115:1911]/lead(DJNGaprx[115:1911], 1))[1:1796]	datDJNGretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJNGretOUTSAt67))	DJNGESHIt67<-ES(datDJNGretOUTSAt67$rev.DJNGretOUTSAt67, p=0.975, method="historical")
DJNG	68	114	1910	2018-11-07	2018-11-07	DJNGretOUTSAt68<-ln(DJNGaprx[114:1910]/lead(DJNGaprx[114:1910], 1))[1:1796]	datDJNGretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJNGretOUTSAt68))	DJNGESHIt68<-ES(datDJNGretOUTSAt68$rev.DJNGretOUTSAt68, p=0.975, method="historical")
DJNG	69	113	1909	2018-11-08	2018-11-08	DJNGretOUTSAt69<-ln(DJNGaprx[113:1909]/lead(DJNGaprx[113:1909], 1))[1:1796]	datDJNGretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJNGretOUTSAt69))	DJNGESHIt69<-ES(datDJNGretOUTSAt69$rev.DJNGretOUTSAt69, p=0.975, method="historical")
DJNG	70	112	1908	2018-11-09	2018-11-09	DJNGretOUTSAt70<-ln(DJNGaprx[112:1908]/lead(DJNGaprx[112:1908], 1))[1:1796]	datDJNGretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJNGretOUTSAt70))	DJNGESHIt70<-ES(datDJNGretOUTSAt70$rev.DJNGretOUTSAt70, p=0.975, method="historical")
DJNG	71	111	1907	2018-11-10	2018-11-10	DJNGretOUTSAt71<-ln(DJNGaprx[111:1907]/lead(DJNGaprx[111:1907], 1))[1:1796]	datDJNGretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJNGretOUTSAt71))	DJNGESHIt71<-ES(datDJNGretOUTSAt71$rev.DJNGretOUTSAt71, p=0.975, method="historical")
DJNG	72	110	1906	2018-11-11	2018-11-11	DJNGretOUTSAt72<-ln(DJNGaprx[110:1906]/lead(DJNGaprx[110:1906], 1))[1:1796]	datDJNGretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJNGretOUTSAt72))	DJNGESHIt72<-ES(datDJNGretOUTSAt72$rev.DJNGretOUTSAt72, p=0.975, method="historical")
DJNG	73	109	1905	2018-11-12	2018-11-12	DJNGretOUTSAt73<-ln(DJNGaprx[109:1905]/lead(DJNGaprx[109:1905], 1))[1:1796]	datDJNGretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJNGretOUTSAt73))	DJNGESHIt73<-ES(datDJNGretOUTSAt73$rev.DJNGretOUTSAt73, p=0.975, method="historical")
DJNG	74	108	1904	2018-11-13	2018-11-13	DJNGretOUTSAt74<-ln(DJNGaprx[108:1904]/lead(DJNGaprx[108:1904], 1))[1:1796]	datDJNGretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJNGretOUTSAt74))	DJNGESHIt74<-ES(datDJNGretOUTSAt74$rev.DJNGretOUTSAt74, p=0.975, method="historical")
DJNG	75	107	1903	2018-11-14	2018-11-14	DJNGretOUTSAt75<-ln(DJNGaprx[107:1903]/lead(DJNGaprx[107:1903], 1))[1:1796]	datDJNGretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJNGretOUTSAt75))	DJNGESHIt75<-ES(datDJNGretOUTSAt75$rev.DJNGretOUTSAt75, p=0.975, method="historical")
DJNG	76	106	1902	2018-11-15	2018-11-15	DJNGretOUTSAt76<-ln(DJNGaprx[106:1902]/lead(DJNGaprx[106:1902], 1))[1:1796]	datDJNGretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJNGretOUTSAt76))	DJNGESHIt76<-ES(datDJNGretOUTSAt76$rev.DJNGretOUTSAt76, p=0.975, method="historical")
DJNG	77	105	1901	2018-11-16	2018-11-16	DJNGretOUTSAt77<-ln(DJNGaprx[105:1901]/lead(DJNGaprx[105:1901], 1))[1:1796]	datDJNGretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJNGretOUTSAt77))	DJNGESHIt77<-ES(datDJNGretOUTSAt77$rev.DJNGretOUTSAt77, p=0.975, method="historical")
DJNG	78	104	1900	2018-11-17	2018-11-17	DJNGretOUTSAt78<-ln(DJNGaprx[104:1900]/lead(DJNGaprx[104:1900], 1))[1:1796]	datDJNGretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJNGretOUTSAt78))	DJNGESHIt78<-ES(datDJNGretOUTSAt78$rev.DJNGretOUTSAt78, p=0.975, method="historical")
DJNG	79	103	1899	2018-11-18	2018-11-18	DJNGretOUTSAt79<-ln(DJNGaprx[103:1899]/lead(DJNGaprx[103:1899], 1))[1:1796]	datDJNGretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJNGretOUTSAt79))	DJNGESHIt79<-ES(datDJNGretOUTSAt79$rev.DJNGretOUTSAt79, p=0.975, method="historical")
DJNG	80	102	1898	2018-11-19	2018-11-19	DJNGretOUTSAt80<-ln(DJNGaprx[102:1898]/lead(DJNGaprx[102:1898], 1))[1:1796]	datDJNGretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJNGretOUTSAt80))	DJNGESHIt80<-ES(datDJNGretOUTSAt80$rev.DJNGretOUTSAt80, p=0.975, method="historical")
DJNG	81	101	1897	2018-11-20	2018-11-20	DJNGretOUTSAt81<-ln(DJNGaprx[101:1897]/lead(DJNGaprx[101:1897], 1))[1:1796]	datDJNGretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJNGretOUTSAt81))	DJNGESHIt81<-ES(datDJNGretOUTSAt81$rev.DJNGretOUTSAt81, p=0.975, method="historical")
DJNG	82	100	1896	2018-11-21	2018-11-21	DJNGretOUTSAt82<-ln(DJNGaprx[100:1896]/lead(DJNGaprx[100:1896], 1))[1:1796]	datDJNGretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJNGretOUTSAt82))	DJNGESHIt82<-ES(datDJNGretOUTSAt82$rev.DJNGretOUTSAt82, p=0.975, method="historical")
DJNG	83	99	1895	2018-11-22	2018-11-22	DJNGretOUTSAt83<-ln(DJNGaprx[99:1895]/lead(DJNGaprx[99:1895], 1))[1:1796]	datDJNGretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJNGretOUTSAt83))	DJNGESHIt83<-ES(datDJNGretOUTSAt83$rev.DJNGretOUTSAt83, p=0.975, method="historical")
DJNG	84	98	1894	2018-11-23	2018-11-23	DJNGretOUTSAt84<-ln(DJNGaprx[98:1894]/lead(DJNGaprx[98:1894], 1))[1:1796]	datDJNGretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJNGretOUTSAt84))	DJNGESHIt84<-ES(datDJNGretOUTSAt84$rev.DJNGretOUTSAt84, p=0.975, method="historical")
DJNG	85	97	1893	2018-11-24	2018-11-24	DJNGretOUTSAt85<-ln(DJNGaprx[97:1893]/lead(DJNGaprx[97:1893], 1))[1:1796]	datDJNGretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJNGretOUTSAt85))	DJNGESHIt85<-ES(datDJNGretOUTSAt85$rev.DJNGretOUTSAt85, p=0.975, method="historical")
DJNG	86	96	1892	2018-11-25	2018-11-25	DJNGretOUTSAt86<-ln(DJNGaprx[96:1892]/lead(DJNGaprx[96:1892], 1))[1:1796]	datDJNGretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date

DJNG	145	37	1833	2019-01-23	2019-01-23	DJNGretOUTSAt145<-ln(DJNGaprx[37:1833]/lead(DJNGaprx[37:1833], 1))[1:1796]	datDJNGretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJNGretOUTSAt145))	DJNGESHIt145<-ES(datDJNGretOUTSAt145$rev.DJNGretOUTSAt145, p=0.975, method="historical")
DJNG	146	36	1832	2019-01-24	2019-01-24	DJNGretOUTSAt146<-ln(DJNGaprx[36:1832]/lead(DJNGaprx[36:1832], 1))[1:1796]	datDJNGretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJNGretOUTSAt146))	DJNGESHIt146<-ES(datDJNGretOUTSAt146$rev.DJNGretOUTSAt146, p=0.975, method="historical")
DJNG	147	35	1831	2019-01-25	2019-01-25	DJNGretOUTSAt147<-ln(DJNGaprx[35:1831]/lead(DJNGaprx[35:1831], 1))[1:1796]	datDJNGretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJNGretOUTSAt147))	DJNGESHIt147<-ES(datDJNGretOUTSAt147$rev.DJNGretOUTSAt147, p=0.975, method="historical")
DJNG	148	34	1830	2019-01-26	2019-01-26	DJNGretOUTSAt148<-ln(DJNGaprx[34:1830]/lead(DJNGaprx[34:1830], 1))[1:1796]	datDJNGretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJNGretOUTSAt148))	DJNGESHIt148<-ES(datDJNGretOUTSAt148$rev.DJNGretOUTSAt148, p=0.975, method="historical")
DJNG	149	33	1829	2019-01-27	2019-01-27	DJNGretOUTSAt149<-ln(DJNGaprx[33:1829]/lead(DJNGaprx[33:1829], 1))[1:1796]	datDJNGretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJNGretOUTSAt149))	DJNGESHIt149<-ES(datDJNGretOUTSAt149$rev.DJNGretOUTSAt149, p=0.975, method="historical")
DJNG	150	32	1828	2019-01-28	2019-01-28	DJNGretOUTSAt150<-ln(DJNGaprx[32:1828]/lead(DJNGaprx[32:1828], 1))[1:1796]	datDJNGretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJNGretOUTSAt150))	DJNGESHIt150<-ES(datDJNGretOUTSAt150$rev.DJNGretOUTSAt150, p=0.975, method="historical")
DJNG	151	31	1827	2019-01-29	2019-01-29	DJNGretOUTSAt151<-ln(DJNGaprx[31:1827]/lead(DJNGaprx[31:1827], 1))[1:1796]	datDJNGretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJNGretOUTSAt151))	DJNGESHIt151<-ES(datDJNGretOUTSAt151$rev.DJNGretOUTSAt151, p=0.975, method="historical")
DJNG	152	30	1826	2019-01-30	2019-01-30	DJNGretOUTSAt152<-ln(DJNGaprx[30:1826]/lead(DJNGaprx[30:1826], 1))[1:1796]	datDJNGretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJNGretOUTSAt152))	DJNGESHIt152<-ES(datDJNGretOUTSAt152$rev.DJNGretOUTSAt152, p=0.975, method="historical")
DJNG	153	29	1825	2019-01-31	2019-01-31	DJNGretOUTSAt153<-ln(DJNGaprx[29:1825]/lead(DJNGaprx[29:1825], 1))[1:1796]	datDJNGretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJNGretOUTSAt153))	DJNGESHIt153<-ES(datDJNGretOUTSAt153$rev.DJNGretOUTSAt153, p=0.975, method="historical")
DJNG	154	28	1824	2019-02-01	2019-02-01	DJNGretOUTSAt154<-ln(DJNGaprx[28:1824]/lead(DJNGaprx[28:1824], 1))[1:1796]	datDJNGretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJNGretOUTSAt154))	DJNGESHIt154<-ES(datDJNGretOUTSAt154$rev.DJNGretOUTSAt154, p=0.975, method="historical")
DJNG	155	27	1823	2019-02-02	2019-02-02	DJNGretOUTSAt155<-ln(DJNGaprx[27:1823]/lead(DJNGaprx[27:1823], 1))[1:1796]	datDJNGretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJNGretOUTSAt155))	DJNGESHIt155<-ES(datDJNGretOUTSAt155$rev.DJNGretOUTSAt155, p=0.975, method="historical")
DJNG	156	26	1822	2019-02-03	2019-02-03	DJNGretOUTSAt156<-ln(DJNGaprx[26:1822]/lead(DJNGaprx[26:1822], 1))[1:1796]	datDJNGretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJNGretOUTSAt156))	DJNGESHIt156<-ES(datDJNGretOUTSAt156$rev.DJNGretOUTSAt156, p=0.975, method="historical")
DJNG	157	25	1821	2019-02-04	2019-02-04	DJNGretOUTSAt157<-ln(DJNGaprx[25:1821]/lead(DJNGaprx[25:1821], 1))[1:1796]	datDJNGretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJNGretOUTSAt157))	DJNGESHIt157<-ES(datDJNGretOUTSAt157$rev.DJNGretOUTSAt157, p=0.975, method="historical")
DJNG	158	24	1820	2019-02-05	2019-02-05	DJNGretOUTSAt158<-ln(DJNGaprx[24:1820]/lead(DJNGaprx[24:1820], 1))[1:1796]	datDJNGretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJNGretOUTSAt158))	DJNGESHIt158<-ES(datDJNGretOUTSAt158$rev.DJNGretOUTSAt158, p=0.975, method="historical")
DJNG	159	23	1819	2019-02-06	2019-02-06	DJNGretOUTSAt159<-ln(DJNGaprx[23:1819]/lead(DJNGaprx[23:1819], 1))[1:1796]	datDJNGretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJNGretOUTSAt159))	DJNGESHIt159<-ES(datDJNGretOUTSAt159$rev.DJNGretOUTSAt159, p=0.975, method="historical")
DJNG	160	22	1818	2019-02-07	2019-02-07	DJNGretOUTSAt160<-ln(DJNGaprx[22:1818]/lead(DJNGaprx[22:1818], 1))[1:1796]	datDJNGretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJNGretOUTSAt160))	DJNGESHIt160<-ES(datDJNGretOUTSAt160$rev.DJNGretOUTSAt160, p=0.975, method="historical")
DJNG	161	21	1817	2019-02-08	2019-02-08	DJNGretOUTSAt161<-ln(DJNGaprx[21:1817]/lead(DJNGaprx[21:1817], 1))[1:1796]	datDJNGretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(DJNGretOUTSAt161))	DJNGESHIt161<-ES(datDJNGretOUTSAt161$rev.DJNGretOUTSAt161, p=0.975, method="historical")
DJNG	162	20	1816	2019-02-09	2019-02-09	DJNGretOUTSAt162<-ln(DJNGaprx[20:1816]/lead(DJNGaprx[20:1816], 1))[1:1796]	datDJNGretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(DJNGretOUTSAt162))	DJNGESHIt162<-ES(datDJNGretOUTSAt162$rev.DJNGretOUTSAt162, p=0.975, method="historical")
DJNG	163	19	1815	2019-02-10	2019-02-10	DJNGretOUTSAt163<-ln(DJNGaprx[19:1815]/lead(DJNGaprx[19:1815], 1))[1:1796]	datDJNGretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(DJNGretOUTSAt163))	DJNGESHIt163<-ES(datDJNGretOUTSAt163$rev.DJNGretOUTSAt163, p=0.975, method="historical")
DJNG	164	18	1814	2019-02-11	2019-02-11	DJNGretOUTSAt164<-ln(DJNGaprx[18:1814]/lead(DJNGaprx[18:1814], 1))[1:1796]	datDJNGretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(DJNGretOUTSAt164))	DJNGESHIt164<-ES(datDJNGretOUTSAt164$rev.DJNGretOUTSAt164, p=0.975, method="historical")
DJNG	165	17	1813	2019-02-12	2019-02-12	DJNGretOUTSAt165<-ln(DJNGaprx[17:1813]/lead(DJNGaprx[17:1813], 1))[1:1796]	datDJNGretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(DJNGretOUTSAt165))	DJNGESHIt165<-ES(datDJNGretOUTSAt165$rev.DJNGretOUTSAt165, p=0.975, method="historical")
DJNG	166	16	1812	2019-02-13	2019-02-13	DJNGretOUTSAt166<-ln(DJNGaprx[16:1812]/lead(DJNGaprx[16:1812], 1))[1:1796]	datDJNGretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJNGretOUTSAt166))	DJNGESHIt166<-ES(datDJNGretOUTSAt166$rev.DJNGretOUTSAt166, p=0.975, method="historical")
DJNG	167	15	1811	2019-02-14	2019-02-14	DJNGretOUTSAt167<-ln(DJNGaprx[15:1811]/lead(DJNGaprx[15:1811], 1))[1:1796]	datDJNGretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJNGretOUTSAt167))	DJNGESHIt167<-ES(datDJNGretOUTSAt167$rev.DJNGretOUTSAt167, p=0.975, method="historical")
DJNG	168	14	1810	2019-02-15	2019-02-15	DJNGretOUTSAt168<-ln(DJNGaprx[14:1810]/lead(DJNGaprx[14:1810], 1))[1:1796]	datDJNGretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJNGretOUTSAt168))	DJNGESHIt168<-ES(datDJNGretOUTSAt168$rev.DJNGretOUTSAt168, p=0.975, method="historical")
DJNG	169	13	1809	2019-02-16	2019-02-16	DJNGretOUTSAt169<-ln(DJNGaprx[13:1809]/lead(DJNGaprx[13:1809], 1))[1:1796]	datDJNGretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJNGretOUTSAt169))	DJNGESHIt169<-ES(datDJNGretOUTSAt169$rev.DJNGretOUTSAt169, p=0.975, method="historical")
DJNG	170	12	1808	2019-02-17	2019-02-17	DJNGretOUTSAt170<-ln(DJNGaprx[12:1808]/lead(DJNGaprx[12:1808], 1))[1:1796]	datDJNGretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJNGretOUTSAt170))	DJNGESHIt170<-ES(datDJNGretOUTSAt170$rev.DJNGretOUTSAt170, p=0.975, method="historical")
DJNG	171	11	1807	2019-02-18	2019-02-18	DJNGretOUTSAt171<-ln(DJNGaprx[11:1807]/lead(DJNGaprx[11:1807], 1))[1:1796]	datDJNGretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJNGretOUTSAt171))	DJNGESHIt171<-ES(datDJNGretOUTSAt171$rev.DJNGretOUTSAt171, p=0.975, method="historical")
DJNG	172	10	1806	2019-02-19	2019-02-19	DJNGretOUTSAt172<-ln(DJNGaprx[10:1806]/lead(DJNGaprx[10:1806], 1))[1:1796]	datDJNGretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJNGretOUTSAt172))	DJNGESHIt172<-ES(datDJNGretOUTSAt172$rev.DJNGretOUTSAt172, p=0.975, method="historical")
DJNG	173	9	1805	2019-02-20	2019-02-20	DJNGretOUTSAt173<-ln(DJNGaprx[9:1805]/lead(DJNGaprx[9:1805], 1))[1:1796]	datDJNGretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJNGretOUTSAt173))	DJNGESHIt173<-ES(datDJNGretOUTSAt173$rev.DJNGretOUTSAt173, p=0.975, method="historical")
DJNG	174	8	1804	2019-02-21	2019-02-21	DJNGretOUTSAt174<-ln(DJNGaprx[8:1804]/lead(DJNGaprx[8:1804], 1))[1:1796]	datDJNGretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJNGretOUTSAt174))	DJNGESHIt174<-ES(datDJNGretOUTSAt174$rev.DJNGretOUTSAt174, p=0.975, method="historical")
DJNG	175	7	1803	2019-02-22	2019-02-22	DJNGretOUTSAt175<-ln(DJNGaprx[7:1803]/lead(DJNGaprx[7:1803], 1))[1:1796]	datDJNGretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJNGretOUTSAt175))	DJNGESHIt175<-ES(datDJNGretOUTSAt175$rev.DJNGretOUTSAt175, p=0.975, method="historical")
DJNG	176	6	1802	2019-02-23	2019-02-23	DJNGretOUTSAt176<-ln(DJNGaprx[6:1802]/lead(DJNGaprx[6:1802], 1))[1:1796]	datDJNGretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJNGretOUTSAt176))	DJNGESHIt176<-ES(datDJNGretOUTSAt176$rev.DJNGretOUTSAt176, p=0.975, method="historical")
DJNG	177	5	1801	2019-02-24	2019-02-24	DJNGretOUTSAt177<-ln(DJNGaprx[5:1801]/lead(DJNGaprx[5:1801], 1))[1:1796]	datDJNGretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJNGretOUTSAt177))	DJNGESHIt177<-ES(datDJNGretOUTSAt177$rev.DJNGretOUTSAt177, p=0.975, method="historical")
DJNG	178	4	1800	2019-02-25	2019-02-25	DJNGretOUTSAt178<-ln(DJNGaprx[4:1800]/lead(DJNGaprx[4:1800], 1))[1:1796]	datDJNGretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJNGretOUTSAt178))	DJNGESHIt178<-ES(datDJNGretOUTSAt178$rev.DJNGretOUTSAt178, p=0.975, method="historical")
DJNG	179	3	1799	2019-02-26	2019-02-26	DJNGretOUTSAt179<-ln(DJNGaprx[3:1799]/lead(DJNGaprx[3:1799], 1))[1:1796]	datDJNGretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJNGretOUTSAt179))	DJNGESHIt179<-ES(datDJNGretOUTSAt179$rev.DJNGretOUTSAt179, p=0.975, method="historical")
DJNG	180	2	1798	2019-02-27	2019-02-27	DJNGretOUTSAt180<-ln(DJNGaprx[2:1798]/lead(DJNGaprx[2:1798], 1))[1:1796]	datDJNGretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJNGretOUTSAt180))	DJNGESHIt180<-ES(datDJNGretOUTSAt180$rev.DJNGretOUTSAt180, p=0.975, method="historical")
DJNG	181	1	1797	2019-02-28	2019-02-28	DJNGretOUTSAt181<-ln(DJNGaprx[1:1797]/lead(DJNGaprx[1:1797], 1))[1:1796]	datDJNGretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJNGretOUTSAt181))	DJNGESHIt181<-ES(datDJNGretOUTSAt181$rev.DJNGretOUTSAt181, p=0.975, method="historical")
DJPE								
DJPE	1	181	1977	2018-09-01	2018-09-01	DJPEretOUTSAt1<-ln(DJPEaprx[181:1977]/lead(DJPEaprx[181:1977], 1))[1:1796]	datDJPEretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DJPEretOUTSAt1))	DJPEESHIt1<-ES(datDJPEretOUTSAt1$rev.DJPEretOUTSAt1, p=0.975, method="historical")
DJPE	2	180	1976	2018-09-02	2018-09-02	DJPEretOUTSAt2<-ln(DJPEaprx[180:1976]/lead(DJPEaprx[180:1976], 1))[1:1796]	datDJPEretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DJPEretOUTSAt2))	DJPEESHIt2<-ES(datDJPEretOUTSAt2$rev.DJPEretOUTSAt2, p=0.975, method="historical")
DJPE	3	179	1975	2018-09-03	2018-09-03	DJPEretOUTSAt3<-ln(DJPEaprx[179:1975]/lead(DJPEaprx[179:1975], 1))[1:1796]	datDJPEretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DJPEretOUTSAt3))	DJPEESHIt3<-ES(datDJPEretOUTSAt3$rev.DJPEretOUTSAt3, p=0.975, method="historical")
DJPE	4	178	1974	2018-09-04	2018-09-04	DJPEretOUTSAt4<-ln(DJPEaprx[178:1974]/lead(DJPEaprx[178:1974], 1))[1:1796]	datDJPEretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DJPEretOUTSAt4))	DJPEESHIt4<-ES(datDJPEretOUTSAt4$rev.DJPEretOUTSAt4, p=0.975, method="historical")
DJPE	5	177	1973	2018-09-05	2018-09-05	DJPEretOUTSAt5<-ln(DJPEaprx[177:1973]/lead(DJPEaprx[177:1973], 1))[1:1796]	datDJPEretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DJPEretOUTSAt5))	DJPEESHIt5<-ES(datDJPEretOUTSAt5$rev.DJPEretOUTSAt5, p=0.975, method="historical")
DJPE	6	176	1972	2018-09-06	2018-09-06	DJPEretOUTSAt6<-ln(DJPEaprx[176:1972]/lead(DJPEaprx[176:1972], 1))[1:1796]	datDJPEretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DJPEretOUTSAt6))	DJPEESHIt6<-ES(datDJPEretOUTSAt6$rev.DJPEretOUTSAt6, p=0.975, method="historical")
DJPE	7	175	1971	2018-09-07	2018-09-07	DJPEretOUTSAt7<-ln(DJPEaprx[175:1971]/lead(DJPEaprx[175:1971], 1))[1:1796]	datDJPEretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DJPEretOUTSAt7))	DJPEESHIt7<-ES(datDJPEretOUTSAt7$rev.DJPEretOUTSAt7, p=0.975, method="historical")
DJPE	8	174	1970	2018-09-08	2018-09-08	DJPEretOUTSAt8<-ln(DJPEaprx[174:1970]/lead(DJPEaprx[174:1970], 1))[1:1796]	datDJPEretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DJPEretOUTSAt8))	DJPEESHIt8<-ES(datDJPEretOUTSAt8$rev.DJPEretOUTSAt8, p=0.975, method="historical")
DJPE	9	173	1969	2018-09-09	2018-09-09	DJPEretOUTSAt9<-ln(DJPEaprx[173:1969]/lead(DJPEaprx[173:1969], 1))[1:1796]	datDJPEretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DJPEretOUTSAt9))	DJPEESHIt9<-ES(datDJPEretOUTSAt9$rev.DJPEretOUTSAt9, p=0.975, method="historical")
DJPE	10	172	1968	2018-09-10	2018-09-10	DJPEretOUTSAt10<-ln(DJPEaprx[172:1968]/lead(DJPEaprx[172:1968], 1))[1:1796]	datDJPEretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DJPEretOUTSAt10))	DJPEESHIt10<-ES(datDJPEretOUTSAt10$rev.DJPEretOUTSAt10, p=0.975, method="historical")
DJPE	11	171	1967	2018-09-11	2018-09-11	DJPEretOUTSAt11<-ln(DJPEaprx[171:1967]/lead(DJPEaprx[171:1967], 1))[1:1796]	datDJPEretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DJPEretOUTSAt11))	DJPEESHIt11<-ES(datDJPEretOUTSAt11$rev.DJPEretOUTSAt11, p=0.975, method="historical")
DJPE	12	170	1966	2018-09-12	2018-09-12	DJPEretOUTSAt12<-ln(DJPEaprx[170:1966]/lead(DJPEaprx[170:1966], 1))[1:1796]	datDJPEretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DJPEretOUTSAt12))	DJPEESHIt12<-ES(datDJPEretOUTSAt12$rev.DJPEretOUTSAt12, p=0.975, method="historical")
DJPE	13	169	1965	2018-09-13	2018-09-13	DJPEretOUTSAt13<-ln(DJPEaprx[169:1965]/lead(DJPEaprx[169:1965], 1))[1:1796]	datDJPEretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DJPEretOUTSAt13))	DJPEESHIt13<-ES(datDJPEretOUTSAt13$rev.DJPEretOUTSAt13, p=0.975, method="historical")
DJPE	14	168	1964	2018-09-14	2018-09-14	DJPEretOUTSAt14<-ln(DJPEaprx[168:1964]/lead(DJPEaprx[168:1964], 1))[1:1796]	datDJPEretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DJPEretOUTSAt14))	DJPEESHIt14<-ES(datDJPEretOUTSAt14$rev.DJPEretOUTSAt14, p=0.975, method="historical")
DJPE	15	167	1963	2018-09-15	2018-09-15	DJPEretOUTSAt15<-ln(DJPEaprx[167:1963]/lead(DJPEaprx[167:1963], 1))[1:1796]	datDJPEretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DJPEretOUTSAt15))	DJPEESHIt15<-ES(datDJPEretOUTSAt15$rev.DJPEretOUTSAt15, p=0.975, method="historical")
DJPE	16	166	1962	2018-09-16	2018-09-16	DJPEretOUTSAt16<-ln(DJPEaprx[166:1962]/lead(DJPEaprx[166:1962], 1))[1:1796]	datDJPEretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DJPEretOUTSAt16))	DJPEESHIt16<-ES(datDJPEretOUTSAt16$rev.DJPEretOUTSAt16, p=0.975, method="historical")
DJPE	17	165	1961	2018-09-17	2018-09-17	DJPEretOUTSAt17<-ln(DJPEaprx[165:1961]/lead(DJPEaprx[165:1961], 1))[1:1796]	datDJPEretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DJPEretOUTSAt17))	DJPEESHIt17<-ES(datDJPEretOUTSAt17$rev.DJPEretOUTSAt17, p=0.975, method="historical")
DJPE	18	164	1960	2018-09-18	2018-09-18	DJPEretOUTSAt18<-ln(DJPEaprx[164:1960]/lead(DJPEaprx[164:1960], 1))[1:1796]	datDJPEretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DJPEretOUTSAt18))	DJPEESHIt18<-ES(datDJPEretOUTSAt18$rev.DJPEretOUTSAt18, p=0.975, method="historical")
DJPE	19	163	1959	2018-09-19	2018-09-19	DJPEretOUTSAt19<-ln(DJPEaprx[163:1959]/lead(DJPEaprx[163:1959], 1))[1:1796]	datDJPEretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DJPEretOUTSAt19))	DJPEESHIt19<-ES(datDJPEretOUTSAt19$rev.DJPEretOUTSAt19, p=0.975, method="historical")
DJPE	20	162	1958	2018-09-20	2018-09-20	DJPEretOUTSAt20<-ln(DJPEaprx[162:1958]/lead(DJPEaprx[162:1958], 1))[1:1796]	datDJPEretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DJPEretOUTSAt20))	DJPEESHIt20<-ES(datDJPEretOUTSAt20$rev.DJPEretOUTSAt20, p=0.975, method="historical")
DJPE	21	161	1957	2018-09-21	2018-09-21	DJPEretOUTSAt21<-ln(DJPEaprx[161:1957]/lead(DJPEaprx[161:1957], 1))[1:1796]	datDJPEretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DJPEretOUTSAt21))	DJPEESHIt21<-ES(datDJPEretOUTSAt21$rev.DJPEretOUTSAt21, p=0.975, method="historical")
DJPE	22	160	1956	2018-09-22	2018-09-22	DJPEretOUTSAt22<-ln(DJPEaprx[160:1956]/lead(DJPEaprx[160:1956], 1))[1:1796]	datDJPEretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DJPEretOUTSAt22))	DJPEESHIt22<-ES(datDJPEretOUTSAt22$rev.DJPEretOUTSAt22, p=0.975, method="historical")
DJPE	23	159	1955	2018-09-23	2018-09-23	DJPEretOUTSAt23<-ln(DJPEaprx[159:1955]/lead(DJPEaprx[159:1955], 1))[1:1796]	datDJPEretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DJPEretOUTSAt23))	DJPEESHIt23<-ES(datDJPEretOUTSAt23$rev.DJPEretOUTSAt23, p=0.975, method="historical")
DJPE	24	158	1954	2018-09-24	2018-09-24	DJPEretOUTSAt24<-ln(DJPEaprx[158:1954]/lead(DJPEaprx[158:1954], 1))[1:1796]	datDJPEretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DJPEretOUTSAt24))	DJPEESHIt24<-ES(datDJPEretOUTSAt24$rev.DJPEretOUTSAt24, p=0.975, method="historical")
DJPE	25	157	1953	2018-09-25	2018-09-25	DJPEretOUTSAt25<-ln(DJPEaprx[157:1953]/lead(DJPEaprx[157:1953], 1))[1:1796]	datDJPEretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DJPEretOUTSAt25))	DJPEESHIt25<-ES(datDJPEretOUTSAt25$rev.DJPEretOUTSAt25, p=0.975, method="historical")
DJPE	26	156	1952	2018-09-26	2018-09-26	DJPEretOUTSAt26<-ln(DJPEaprx[156:1952]/lead(DJPEaprx[156:1952], 1))[1:1796]	datDJPEretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DJPEretOUTSAt26))	DJPEESHIt26<-ES(datDJPEretOUTSAt26$rev.DJPEretOUTSAt26, p=0.975, method="historical")
DJPE	27	155	1951	2018-09-27	2018-09-27	DJPEretOUTSAt27<-ln(DJPEaprx[155:1951]/lead(DJPEaprx[155:1951], 1))[1:1796]	datDJPEretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DJPEretOUTSAt27))	DJPEESHIt27<-ES(datDJPEretOUTSAt27$rev.DJPEretOUTSAt27, p=0.975, method="historical")
DJPE	28	154	1950	2018-09-28	2018-09-28	DJPEretOUTSAt28<-ln(DJPEaprx[154:1950]/lead(DJPEaprx[154:1950], 1))[1:1796]	datDJPEretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DJPEretOUTSAt28))	DJPEESHIt28<-ES(datDJPEretOUTSAt28$rev.DJPEretOUTSAt28, p=0.975, method="historical")
DJPE	29	153	1949	2018-09-29	2018-09-29	DJPEretOUTSAt29<-ln(DJPEaprx[153:1949]/lead(DJPEaprx[153:1949], 1))[1:1796]	datDJPEretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DJPEretOUTSAt29))	DJPEESHIt29<-ES(datDJPEretOUTSAt29$rev.DJPEretOUTSAt29, p=0.975, method="historical")
DJPE	30	152	1948	2018-09-30	2018-09-30	DJPEretOUTSAt30<-ln(DJPEaprx[152:1948]/lead(DJPEaprx[152:1948], 1))[1:1796]	datDJPEretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(DJPEretOUTSAt30))	DJPEESHIt30<-ES(datDJPEretOUTSAt30$rev.DJPEretOUTSAt30, p=0.975, method="historical")
DJPE	31	151	1947	2018-10-01	2018-10-01	DJPEretOUTSAt31<-ln(DJPEaprx[151:1947]/lead(DJPEaprx[151:1947], 1))[1:1796]	datDJPEretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(DJPEretOUTSAt31))	DJPEESHIt31<-ES(datDJPEretOUTSAt31$rev.DJPEretOUTSAt31, p=0.975, method="historical")
DJPE	32	150	1946	2018-10-02	2018-10-02	DJPEretOUTSAt32<-ln(DJPEaprx[150:1946]/lead(DJPEaprx[150:1946], 1))[1:1796]	datDJPEretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(DJPEretOUTSAt32))	DJPEESHIt32<-ES(datDJPEretOUTSAt32$rev.DJPEretOUTSAt32, p=0.975, method="historical")
DJPE	33	149	1945	2018-10-03	2018-10-03	DJPEretOUTSAt33<-ln(DJPEaprx[149:1945]/lead(DJPEaprx[149:1945], 1))[1:1796]	datDJPEretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(DJPEretOUTSAt33))	DJPEESHIt33<-ES(datDJPEretOUTSAt33$rev.DJPEretOUTSAt33, p=0.975, method="historical")
DJPE	34	148	1944	2018-10-04	2018-10-04	DJPEretOUTSAt34<-ln(DJPEaprx[148:1944]/lead(DJPEaprx[148:1944], 1))[1:1796]	datDJPEretOUTSAt34<-

DJPE	91	91	1887	2018-11-30	2018-11-30	DJPEretOUTSAt91<-ln(DJPEaprx[91:1887]/lead(DJPEaprx[91:1887], 1))[1:1796]	datDJPEretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJPEretOUTSAt91))	DJPEESHIt91<-ES(datDJPEretOUTSAt91$rev.DJPEretOUTSAt91, p=0.975, method="historical")
DJPE	92	90	1886	2018-12-01	2018-12-01	DJPEretOUTSAt92<-ln(DJPEaprx[90:1886]/lead(DJPEaprx[90:1886], 1))[1:1796]	datDJPEretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJPEretOUTSAt92))	DJPEESHIt92<-ES(datDJPEretOUTSAt92$rev.DJPEretOUTSAt92, p=0.975, method="historical")
DJPE	93	89	1885	2018-12-02	2018-12-02	DJPEretOUTSAt93<-ln(DJPEaprx[89:1885]/lead(DJPEaprx[89:1885], 1))[1:1796]	datDJPEretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJPEretOUTSAt93))	DJPEESHIt93<-ES(datDJPEretOUTSAt93$rev.DJPEretOUTSAt93, p=0.975, method="historical")
DJPE	94	88	1884	2018-12-03	2018-12-03	DJPEretOUTSAt94<-ln(DJPEaprx[88:1884]/lead(DJPEaprx[88:1884], 1))[1:1796]	datDJPEretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJPEretOUTSAt94))	DJPEESHIt94<-ES(datDJPEretOUTSAt94$rev.DJPEretOUTSAt94, p=0.975, method="historical")
DJPE	95	87	1883	2018-12-04	2018-12-04	DJPEretOUTSAt95<-ln(DJPEaprx[87:1883]/lead(DJPEaprx[87:1883], 1))[1:1796]	datDJPEretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJPEretOUTSAt95))	DJPEESHIt95<-ES(datDJPEretOUTSAt95$rev.DJPEretOUTSAt95, p=0.975, method="historical")
DJPE	96	86	1882	2018-12-05	2018-12-05	DJPEretOUTSAt96<-ln(DJPEaprx[86:1882]/lead(DJPEaprx[86:1882], 1))[1:1796]	datDJPEretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJPEretOUTSAt96))	DJPEESHIt96<-ES(datDJPEretOUTSAt96$rev.DJPEretOUTSAt96, p=0.975, method="historical")
DJPE	97	85	1881	2018-12-06	2018-12-06	DJPEretOUTSAt97<-ln(DJPEaprx[85:1881]/lead(DJPEaprx[85:1881], 1))[1:1796]	datDJPEretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJPEretOUTSAt97))	DJPEESHIt97<-ES(datDJPEretOUTSAt97$rev.DJPEretOUTSAt97, p=0.975, method="historical")
DJPE	98	84	1880	2018-12-07	2018-12-07	DJPEretOUTSAt98<-ln(DJPEaprx[84:1880]/lead(DJPEaprx[84:1880], 1))[1:1796]	datDJPEretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJPEretOUTSAt98))	DJPEESHIt98<-ES(datDJPEretOUTSAt98$rev.DJPEretOUTSAt98, p=0.975, method="historical")
DJPE	99	83	1879	2018-12-08	2018-12-08	DJPEretOUTSAt99<-ln(DJPEaprx[83:1879]/lead(DJPEaprx[83:1879], 1))[1:1796]	datDJPEretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJPEretOUTSAt99))	DJPEESHIt99<-ES(datDJPEretOUTSAt99$rev.DJPEretOUTSAt99, p=0.975, method="historical")
DJPE	100	82	1878	2018-12-09	2018-12-09	DJPEretOUTSAt100<-ln(DJPEaprx[82:1878]/lead(DJPEaprx[82:1878], 1))[1:1796]	datDJPEretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJPEretOUTSAt100))	DJPEESHIt100<-ES(datDJPEretOUTSAt100$rev.DJPEretOUTSAt100, p=0.975, method="historical")
DJPE	101	81	1877	2018-12-10	2018-12-10	DJPEretOUTSAt101<-ln(DJPEaprx[81:1877]/lead(DJPEaprx[81:1877], 1))[1:1796]	datDJPEretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJPEretOUTSAt101))	DJPEESHIt101<-ES(datDJPEretOUTSAt101$rev.DJPEretOUTSAt101, p=0.975, method="historical")
DJPE	102	80	1876	2018-12-11	2018-12-11	DJPEretOUTSAt102<-ln(DJPEaprx[80:1876]/lead(DJPEaprx[80:1876], 1))[1:1796]	datDJPEretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJPEretOUTSAt102))	DJPEESHIt102<-ES(datDJPEretOUTSAt102$rev.DJPEretOUTSAt102, p=0.975, method="historical")
DJPE	103	79	1875	2018-12-12	2018-12-12	DJPEretOUTSAt103<-ln(DJPEaprx[79:1875]/lead(DJPEaprx[79:1875], 1))[1:1796]	datDJPEretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJPEretOUTSAt103))	DJPEESHIt103<-ES(datDJPEretOUTSAt103$rev.DJPEretOUTSAt103, p=0.975, method="historical")
DJPE	104	78	1874	2018-12-13	2018-12-13	DJPEretOUTSAt104<-ln(DJPEaprx[78:1874]/lead(DJPEaprx[78:1874], 1))[1:1796]	datDJPEretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJPEretOUTSAt104))	DJPEESHIt104<-ES(datDJPEretOUTSAt104$rev.DJPEretOUTSAt104, p=0.975, method="historical")
DJPE	105	77	1873	2018-12-14	2018-12-14	DJPEretOUTSAt105<-ln(DJPEaprx[77:1873]/lead(DJPEaprx[77:1873], 1))[1:1796]	datDJPEretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJPEretOUTSAt105))	DJPEESHIt105<-ES(datDJPEretOUTSAt105$rev.DJPEretOUTSAt105, p=0.975, method="historical")
DJPE	106	76	1872	2018-12-15	2018-12-15	DJPEretOUTSAt106<-ln(DJPEaprx[76:1872]/lead(DJPEaprx[76:1872], 1))[1:1796]	datDJPEretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJPEretOUTSAt106))	DJPEESHIt106<-ES(datDJPEretOUTSAt106$rev.DJPEretOUTSAt106, p=0.975, method="historical")
DJPE	107	75	1871	2018-12-16	2018-12-16	DJPEretOUTSAt107<-ln(DJPEaprx[75:1871]/lead(DJPEaprx[75:1871], 1))[1:1796]	datDJPEretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DJPEretOUTSAt107))	DJPEESHIt107<-ES(datDJPEretOUTSAt107$rev.DJPEretOUTSAt107, p=0.975, method="historical")
DJPE	108	74	1870	2018-12-17	2018-12-17	DJPEretOUTSAt108<-ln(DJPEaprx[74:1870]/lead(DJPEaprx[74:1870], 1))[1:1796]	datDJPEretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DJPEretOUTSAt108))	DJPEESHIt108<-ES(datDJPEretOUTSAt108$rev.DJPEretOUTSAt108, p=0.975, method="historical")
DJPE	109	73	1869	2018-12-18	2018-12-18	DJPEretOUTSAt109<-ln(DJPEaprx[73:1869]/lead(DJPEaprx[73:1869], 1))[1:1796]	datDJPEretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DJPEretOUTSAt109))	DJPEESHIt109<-ES(datDJPEretOUTSAt109$rev.DJPEretOUTSAt109, p=0.975, method="historical")
DJPE	110	72	1868	2018-12-19	2018-12-19	DJPEretOUTSAt110<-ln(DJPEaprx[72:1868]/lead(DJPEaprx[72:1868], 1))[1:1796]	datDJPEretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DJPEretOUTSAt110))	DJPEESHIt110<-ES(datDJPEretOUTSAt110$rev.DJPEretOUTSAt110, p=0.975, method="historical")
DJPE	111	71	1867	2018-12-20	2018-12-20	DJPEretOUTSAt111<-ln(DJPEaprx[71:1867]/lead(DJPEaprx[71:1867], 1))[1:1796]	datDJPEretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DJPEretOUTSAt111))	DJPEESHIt111<-ES(datDJPEretOUTSAt111$rev.DJPEretOUTSAt111, p=0.975, method="historical")
DJPE	112	70	1866	2018-12-21	2018-12-21	DJPEretOUTSAt112<-ln(DJPEaprx[70:1866]/lead(DJPEaprx[70:1866], 1))[1:1796]	datDJPEretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DJPEretOUTSAt112))	DJPEESHIt112<-ES(datDJPEretOUTSAt112$rev.DJPEretOUTSAt112, p=0.975, method="historical")
DJPE	113	69	1865	2018-12-22	2018-12-22	DJPEretOUTSAt113<-ln(DJPEaprx[69:1865]/lead(DJPEaprx[69:1865], 1))[1:1796]	datDJPEretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DJPEretOUTSAt113))	DJPEESHIt113<-ES(datDJPEretOUTSAt113$rev.DJPEretOUTSAt113, p=0.975, method="historical")
DJPE	114	68	1864	2018-12-23	2018-12-23	DJPEretOUTSAt114<-ln(DJPEaprx[68:1864]/lead(DJPEaprx[68:1864], 1))[1:1796]	datDJPEretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DJPEretOUTSAt114))	DJPEESHIt114<-ES(datDJPEretOUTSAt114$rev.DJPEretOUTSAt114, p=0.975, method="historical")
DJPE	115	67	1863	2018-12-24	2018-12-24	DJPEretOUTSAt115<-ln(DJPEaprx[67:1863]/lead(DJPEaprx[67:1863], 1))[1:1796]	datDJPEretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DJPEretOUTSAt115))	DJPEESHIt115<-ES(datDJPEretOUTSAt115$rev.DJPEretOUTSAt115, p=0.975, method="historical")
DJPE	116	66	1862	2018-12-25	2018-12-25	DJPEretOUTSAt116<-ln(DJPEaprx[66:1862]/lead(DJPEaprx[66:1862], 1))[1:1796]	datDJPEretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DJPEretOUTSAt116))	DJPEESHIt116<-ES(datDJPEretOUTSAt116$rev.DJPEretOUTSAt116, p=0.975, method="historical")
DJPE	117	65	1861	2018-12-26	2018-12-26	DJPEretOUTSAt117<-ln(DJPEaprx[65:1861]/lead(DJPEaprx[65:1861], 1))[1:1796]	datDJPEretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DJPEretOUTSAt117))	DJPEESHIt117<-ES(datDJPEretOUTSAt117$rev.DJPEretOUTSAt117, p=0.975, method="historical")
DJPE	118	64	1860	2018-12-27	2018-12-27	DJPEretOUTSAt118<-ln(DJPEaprx[64:1860]/lead(DJPEaprx[64:1860], 1))[1:1796]	datDJPEretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DJPEretOUTSAt118))	DJPEESHIt118<-ES(datDJPEretOUTSAt118$rev.DJPEretOUTSAt118, p=0.975, method="historical")
DJPE	119	63	1859	2018-12-28	2018-12-28	DJPEretOUTSAt119<-ln(DJPEaprx[63:1859]/lead(DJPEaprx[63:1859], 1))[1:1796]	datDJPEretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DJPEretOUTSAt119))	DJPEESHIt119<-ES(datDJPEretOUTSAt119$rev.DJPEretOUTSAt119, p=0.975, method="historical")
DJPE	120	62	1858	2018-12-29	2018-12-29	DJPEretOUTSAt120<-ln(DJPEaprx[62:1858]/lead(DJPEaprx[62:1858], 1))[1:1796]	datDJPEretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DJPEretOUTSAt120))	DJPEESHIt120<-ES(datDJPEretOUTSAt120$rev.DJPEretOUTSAt120, p=0.975, method="historical")
DJPE	121	61	1857	2018-12-30	2018-12-30	DJPEretOUTSAt121<-ln(DJPEaprx[61:1857]/lead(DJPEaprx[61:1857], 1))[1:1796]	datDJPEretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DJPEretOUTSAt121))	DJPEESHIt121<-ES(datDJPEretOUTSAt121$rev.DJPEretOUTSAt121, p=0.975, method="historical")
DJPE	122	60	1856	2018-12-31	2018-12-31	DJPEretOUTSAt122<-ln(DJPEaprx[60:1856]/lead(DJPEaprx[60:1856], 1))[1:1796]	datDJPEretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DJPEretOUTSAt122))	DJPEESHIt122<-ES(datDJPEretOUTSAt122$rev.DJPEretOUTSAt122, p=0.975, method="historical")
DJPE	123	59	1855	2019-01-01	2019-01-01	DJPEretOUTSAt123<-ln(DJPEaprx[59:1855]/lead(DJPEaprx[59:1855], 1))[1:1796]	datDJPEretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DJPEretOUTSAt123))	DJPEESHIt123<-ES(datDJPEretOUTSAt123$rev.DJPEretOUTSAt123, p=0.975, method="historical")
DJPE	124	58	1854	2019-01-02	2019-01-02	DJPEretOUTSAt124<-ln(DJPEaprx[58:1854]/lead(DJPEaprx[58:1854], 1))[1:1796]	datDJPEretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DJPEretOUTSAt124))	DJPEESHIt124<-ES(datDJPEretOUTSAt124$rev.DJPEretOUTSAt124, p=0.975, method="historical")
DJPE	125	57	1853	2019-01-03	2019-01-03	DJPEretOUTSAt125<-ln(DJPEaprx[57:1853]/lead(DJPEaprx[57:1853], 1))[1:1796]	datDJPEretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DJPEretOUTSAt125))	DJPEESHIt125<-ES(datDJPEretOUTSAt125$rev.DJPEretOUTSAt125, p=0.975, method="historical")
DJPE	126	56	1852	2019-01-04	2019-01-04	DJPEretOUTSAt126<-ln(DJPEaprx[56:1852]/lead(DJPEaprx[56:1852], 1))[1:1796]	datDJPEretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DJPEretOUTSAt126))	DJPEESHIt126<-ES(datDJPEretOUTSAt126$rev.DJPEretOUTSAt126, p=0.975, method="historical")
DJPE	127	55	1851	2019-01-05	2019-01-05	DJPEretOUTSAt127<-ln(DJPEaprx[55:1851]/lead(DJPEaprx[55:1851], 1))[1:1796]	datDJPEretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DJPEretOUTSAt127))	DJPEESHIt127<-ES(datDJPEretOUTSAt127$rev.DJPEretOUTSAt127, p=0.975, method="historical")
DJPE	128	54	1850	2019-01-06	2019-01-06	DJPEretOUTSAt128<-ln(DJPEaprx[54:1850]/lead(DJPEaprx[54:1850], 1))[1:1796]	datDJPEretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DJPEretOUTSAt128))	DJPEESHIt128<-ES(datDJPEretOUTSAt128$rev.DJPEretOUTSAt128, p=0.975, method="historical")
DJPE	129	53	1849	2019-01-07	2019-01-07	DJPEretOUTSAt129<-ln(DJPEaprx[53:1849]/lead(DJPEaprx[53:1849], 1))[1:1796]	datDJPEretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DJPEretOUTSAt129))	DJPEESHIt129<-ES(datDJPEretOUTSAt129$rev.DJPEretOUTSAt129, p=0.975, method="historical")
DJPE	130	52	1848	2019-01-08	2019-01-08	DJPEretOUTSAt130<-ln(DJPEaprx[52:1848]/lead(DJPEaprx[52:1848], 1))[1:1796]	datDJPEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DJPEretOUTSAt130))	DJPEESHIt130<-ES(datDJPEretOUTSAt130$rev.DJPEretOUTSAt130, p=0.975, method="historical")
DJPE	131	51	1847	2019-01-09	2019-01-09	DJPEretOUTSAt131<-ln(DJPEaprx[51:1847]/lead(DJPEaprx[51:1847], 1))[1:1796]	datDJPEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DJPEretOUTSAt131))	DJPEESHIt131<-ES(datDJPEretOUTSAt131$rev.DJPEretOUTSAt131, p=0.975, method="historical")
DJPE	132	50	1846	2019-01-10	2019-01-10	DJPEretOUTSAt132<-ln(DJPEaprx[50:1846]/lead(DJPEaprx[50:1846], 1))[1:1796]	datDJPEretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DJPEretOUTSAt132))	DJPEESHIt132<-ES(datDJPEretOUTSAt132$rev.DJPEretOUTSAt132, p=0.975, method="historical")
DJPE	133	49	1845	2019-01-11	2019-01-11	DJPEretOUTSAt133<-ln(DJPEaprx[49:1845]/lead(DJPEaprx[49:1845], 1))[1:1796]	datDJPEretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DJPEretOUTSAt133))	DJPEESHIt133<-ES(datDJPEretOUTSAt133$rev.DJPEretOUTSAt133, p=0.975, method="historical")
DJPE	134	48	1844	2019-01-12	2019-01-12	DJPEretOUTSAt134<-ln(DJPEaprx[48:1844]/lead(DJPEaprx[48:1844], 1))[1:1796]	datDJPEretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DJPEretOUTSAt134))	DJPEESHIt134<-ES(datDJPEretOUTSAt134$rev.DJPEretOUTSAt134, p=0.975, method="historical")
DJPE	135	47	1843	2019-01-13	2019-01-13	DJPEretOUTSAt135<-ln(DJPEaprx[47:1843]/lead(DJPEaprx[47:1843], 1))[1:1796]	datDJPEretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DJPEretOUTSAt135))	DJPEESHIt135<-ES(datDJPEretOUTSAt135$rev.DJPEretOUTSAt135, p=0.975, method="historical")
DJPE	136	46	1842	2019-01-14	2019-01-14	DJPEretOUTSAt136<-ln(DJPEaprx[46:1842]/lead(DJPEaprx[46:1842], 1))[1:1796]	datDJPEretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DJPEretOUTSAt136))	DJPEESHIt136<-ES(datDJPEretOUTSAt136$rev.DJPEretOUTSAt136, p=0.975, method="historical")
DJPE	137	45	1841	2019-01-15	2019-01-15	DJPEretOUTSAt137<-ln(DJPEaprx[45:1841]/lead(DJPEaprx[45:1841], 1))[1:1796]	datDJPEretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DJPEretOUTSAt137))	DJPEESHIt137<-ES(datDJPEretOUTSAt137$rev.DJPEretOUTSAt137, p=0.975, method="historical")
DJPE	138	44	1840	2019-01-16	2019-01-16	DJPEretOUTSAt138<-ln(DJPEaprx[44:1840]/lead(DJPEaprx[44:1840], 1))[1:1796]	datDJPEretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DJPEretOUTSAt138))	DJPEESHIt138<-ES(datDJPEretOUTSAt138$rev.DJPEretOUTSAt138, p=0.975, method="historical")
DJPE	139	43	1839	2019-01-17	2019-01-17	DJPEretOUTSAt139<-ln(DJPEaprx[43:1839]/lead(DJPEaprx[43:1839], 1))[1:1796]	datDJPEretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DJPEretOUTSAt139))	DJPEESHIt139<-ES(datDJPEretOUTSAt139$rev.DJPEretOUTSAt139, p=0.975, method="historical")
DJPE	140	42	1838	2019-01-18	2019-01-18	DJPEretOUTSAt140<-ln(DJPEaprx[42:1838]/lead(DJPEaprx[42:1838], 1))[1:1796]	datDJPEretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DJPEretOUTSAt140))	DJPEESHIt140<-ES(datDJPEretOUTSAt140$rev.DJPEretOUTSAt140, p=0.975, method="historical")
DJPE	141	41	1837	2019-01-19	2019-01-19	DJPEretOUTSAt141<-ln(DJPEaprx[41:1837]/lead(DJPEaprx[41:1837], 1))[1:1796]	datDJPEretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DJPEretOUTSAt141))	DJPEESHIt141<-ES(datDJPEretOUTSAt141$rev.DJPEretOUTSAt141, p=0.975, method="historical")
DJPE	142	40	1836	2019-01-20	2019-01-20	DJPEretOUTSAt142<-ln(DJPEaprx[40:1836]/lead(DJPEaprx[40:1836], 1))[1:1796]	datDJPEretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DJPEretOUTSAt142))	DJPEESHIt142<-ES(datDJPEretOUTSAt142$rev.DJPEretOUTSAt142, p=0.975, method="historical")
DJPE	143	39	1835	2019-01-21	2019-01-21	DJPEretOUTSAt143<-ln(DJPEaprx[39:1835]/lead(DJPEaprx[39:1835], 1))[1:1796]	datDJPEretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DJPEretOUTSAt143))	DJPEESHIt143<-ES(datDJPEretOUTSAt143$rev.DJPEretOUTSAt143, p=0.975, method="historical")
DJPE	144	38	1834	2019-01-22	2019-01-22	DJPEretOUTSAt144<-ln(DJPEaprx[38:1834]/lead(DJPEaprx[38:1834], 1))[1:1796]	datDJPEretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DJPEretOUTSAt144))	DJPEESHIt144<-ES(datDJPEretOUTSAt144$rev.DJPEretOUTSAt144, p=0.975, method="historical")
DJPE	145	37	1833	2019-01-23	2019-01-23	DJPEretOUTSAt145<-ln(DJPEaprx[37:1833]/lead(DJPEaprx[37:1833], 1))[1:1796]	datDJPEretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DJPEretOUTSAt145))	DJPEESHIt145<-ES(datDJPEretOUTSAt145$rev.DJPEretOUTSAt145, p=0.975, method="historical")
DJPE	146	36	1832	2019-01-24	2019-01-24	DJPEretOUTSAt146<-ln(DJPEaprx[36:1832]/lead(DJPEaprx[36:1832], 1))[1:1796]	datDJPEretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DJPEretOUTSAt146))	DJPEESHIt146<-ES(datDJPEretOUTSAt146$rev.DJPEretOUTSAt146, p=0.975, method="historical")
DJPE	147	35	1831	2019-01-25	2019-01-25	DJPEretOUTSAt147<-ln(DJPEaprx[35:1831]/lead(DJPEaprx[35:1831], 1))[1:1796]	datDJPEretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DJPEretOUTSAt147))	DJPEESHIt147<-ES(datDJPEretOUTSAt147$rev.DJPEretOUTSAt147, p=0.975, method="historical")
DJPE	148	34	1830	2019-01-26	2019-01-26	DJPEretOUTSAt148<-ln(DJPEaprx[34:1830]/lead(DJPEaprx[34:1830], 1))[1:1796]	datDJPEretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DJPEretOUTSAt148))	DJPEESHIt148<-ES(datDJPEretOUTSAt148$rev.DJPEretOUTSAt148, p=0.975, method="historical")
DJPE	149	33	1829	2019-01-27	2019-01-27	DJPEretOUTSAt149<-ln(DJPEaprx[33:1829]/lead(DJPEaprx[33:1829], 1))[1:1796]	datDJPEretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DJPEretOUTSAt149))	DJPEESHIt149<-ES(datDJPEretOUTSAt149$rev.DJPEretOUTSAt149, p=0.975, method="historical")
DJPE	150	32	1828	2019-01-28	2019-01-28	DJPEretOUTSAt150<-ln(DJPEaprx[32:1828]/lead(DJPEaprx[32:1828], 1))[1:1796]	datDJPEretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DJPEretOUTSAt150))	DJPEESHIt150<-ES(datDJPEretOUTSAt150$rev.DJPEretOUTSAt150, p=0.975, method="historical")
DJPE	151	31	1827	2019-01-29	2019-01-29	DJPEretOUTSAt151<-ln(DJPEaprx[31:1827]/lead(DJPEaprx[31:1827], 1))[1:1796]	datDJPEretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DJPEretOUTSAt151))	DJPEESHIt151<-ES(datDJPEretOUTSAt151$rev.DJPEretOUTSAt151, p=0.975, method="historical")
DJPE	152	30	1826	2019-01-30	2019-01-30	DJPEretOUTSAt152<-ln(DJPEaprx[30:1826]/lead(DJPEaprx[30:1826], 1))[1:1796]	datDJPEretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DJPEretOUTSAt152))	DJPEESHIt152<-ES(datDJPEretOUTSAt152$rev.DJPEretOUTSAt152, p=0.975, method="historical")
DJPE	153	29	1825	2019-01-31	2019-01-31	DJPEretOUTSAt153<-ln(DJPEaprx[29:1825]/lead(DJPEaprx[29:1825], 1))[1:1796]	datDJPEretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DJPEretOUTSAt153))	DJPEESHIt153<-ES(datDJPEretOUTSAt153$rev.DJPEretOUTSAt153, p=0.975, method="historical")
DJPE	154	28	1824	2019-02-01	2019-02-01	DJPEretOUTSAt154<-ln(DJPEaprx[28:1824]/lead(DJPEaprx[28:1824], 1))[1:1796]	datDJPEretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DJPEretOUTSAt154))	DJPEESHIt154<-ES(datDJPEretOUTSAt154$rev.DJPEretOUTSAt154, p=0.975, method="historical")
DJPE	155	27	1823	2019-02-02	2019-02-02	DJPEretOUTSAt155<-ln(DJPEaprx[27:1823]/lead(DJPEaprx[27:1823], 1))[1:1796]	datDJPEretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(DJPEretOUTSAt155))	DJPEESHIt155<-ES(datDJPEretOUTSAt155$rev.DJPEretOUTSAt155, p=0.975, method="historical")
DJPE	156	26	1822	2019-02-03	2019-02-03	DJPEretOUTSAt156<-ln(DJPEaprx[26:1822]/lead(DJPEaprx[26:1822], 1))[1:1796]	datDJPEretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(DJPEretOUTSAt156))	DJPEESHIt156<-ES(datDJPEretOUTSAt156$rev.DJPEretOUTSAt156, p=0.975, method="historical")
DJPE	157	25	1821	2019-02-04	2019-02-04	DJPEretOUTSAt157<-ln(DJPEaprx[25:1821]/lead(DJPEaprx[25:1821], 1))[1:1796]	datDJPEretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(DJPEretOUTSAt157))	DJPEESHIt157<-ES(datDJPEretOUTSAt157$rev.DJPEretOUTSAt157, p=0.975, method="historical")
DJPE	158	24	1820	2019-02-05	2019-02-05	DJPEretOUTSAt158<-ln(DJPEaprx[24:1820]/lead(DJPEaprx[24:1820], 1))[1:1796]	datDJPEretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(DJPEretOUTSAt158))	DJPEESHIt158<-ES(datDJPEretOUTSAt158$rev.DJPEretOUTSAt158, p=0.975, method="historical")
DJPE	159	23	1819	2019-02-06	2019-02-06	DJPEretOUTSAt159<-ln(DJPEaprx[23:1819]/lead(DJPEaprx[23:1819], 1))[1:1796]	datDJPEretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(DJPEretOUTSAt159))	DJPEESHIt159<-ES(datDJPEretOUTSAt159$rev.DJPEretOUTSAt159, p=0.975, method="historical")
DJPE	160	22	1818	2019-02-07	2019-02-07	DJPEretOUTSAt160<-ln(DJPEaprx[22:1818]/lead(DJPEaprx[22:1818], 1))[1:1796]	datDJPEretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(DJPEretOUTSAt160))	DJPEESHIt160<-ES(datDJPEretOUTSAt160$rev.DJPEretOUTSAt160, p=0.975, method="historical")
DJPE	161	21	1817	2019-02-08	2019-02-08	DJPEretOUTSAt161<-ln(DJPEaprx[21:1817]/lead(DJPEaprx[21:1817], 1))[1:1796]	datDJPEretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date

DJSO	37	145	1941	2018-10-07	2018-10-07	DJSOretOUTSAt37<-ln(DJSOaprx[145:1941]/lead(DJSOaprx[145:1941], 1))[1:1796]	datDJSOretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(DJSOretOUTSAt37))	DJSOESHIt37<-ES(datDJSOretOUTSAt37$rev.DJSOretOUTSAt37, p=0.975, method="historical")
DJSO	38	144	1940	2018-10-08	2018-10-08	DJSOretOUTSAt38<-ln(DJSOaprx[144:1940]/lead(DJSOaprx[144:1940], 1))[1:1796]	datDJSOretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(DJSOretOUTSAt38))	DJSOESHIt38<-ES(datDJSOretOUTSAt38$rev.DJSOretOUTSAt38, p=0.975, method="historical")
DJSO	39	143	1939	2018-10-09	2018-10-09	DJSOretOUTSAt39<-ln(DJSOaprx[143:1939]/lead(DJSOaprx[143:1939], 1))[1:1796]	datDJSOretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(DJSOretOUTSAt39))	DJSOESHIt39<-ES(datDJSOretOUTSAt39$rev.DJSOretOUTSAt39, p=0.975, method="historical")
DJSO	40	142	1938	2018-10-10	2018-10-10	DJSOretOUTSAt40<-ln(DJSOaprx[142:1938]/lead(DJSOaprx[142:1938], 1))[1:1796]	datDJSOretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(DJSOretOUTSAt40))	DJSOESHIt40<-ES(datDJSOretOUTSAt40$rev.DJSOretOUTSAt40, p=0.975, method="historical")
DJSO	41	141	1937	2018-10-11	2018-10-11	DJSOretOUTSAt41<-ln(DJSOaprx[141:1937]/lead(DJSOaprx[141:1937], 1))[1:1796]	datDJSOretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(DJSOretOUTSAt41))	DJSOESHIt41<-ES(datDJSOretOUTSAt41$rev.DJSOretOUTSAt41, p=0.975, method="historical")
DJSO	42	140	1936	2018-10-12	2018-10-12	DJSOretOUTSAt42<-ln(DJSOaprx[140:1936]/lead(DJSOaprx[140:1936], 1))[1:1796]	datDJSOretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(DJSOretOUTSAt42))	DJSOESHIt42<-ES(datDJSOretOUTSAt42$rev.DJSOretOUTSAt42, p=0.975, method="historical")
DJSO	43	139	1935	2018-10-13	2018-10-13	DJSOretOUTSAt43<-ln(DJSOaprx[139:1935]/lead(DJSOaprx[139:1935], 1))[1:1796]	datDJSOretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(DJSOretOUTSAt43))	DJSOESHIt43<-ES(datDJSOretOUTSAt43$rev.DJSOretOUTSAt43, p=0.975, method="historical")
DJSO	44	138	1934	2018-10-14	2018-10-14	DJSOretOUTSAt44<-ln(DJSOaprx[138:1934]/lead(DJSOaprx[138:1934], 1))[1:1796]	datDJSOretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(DJSOretOUTSAt44))	DJSOESHIt44<-ES(datDJSOretOUTSAt44$rev.DJSOretOUTSAt44, p=0.975, method="historical")
DJSO	45	137	1933	2018-10-15	2018-10-15	DJSOretOUTSAt45<-ln(DJSOaprx[137:1933]/lead(DJSOaprx[137:1933], 1))[1:1796]	datDJSOretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(DJSOretOUTSAt45))	DJSOESHIt45<-ES(datDJSOretOUTSAt45$rev.DJSOretOUTSAt45, p=0.975, method="historical")
DJSO	46	136	1932	2018-10-16	2018-10-16	DJSOretOUTSAt46<-ln(DJSOaprx[136:1932]/lead(DJSOaprx[136:1932], 1))[1:1796]	datDJSOretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(DJSOretOUTSAt46))	DJSOESHIt46<-ES(datDJSOretOUTSAt46$rev.DJSOretOUTSAt46, p=0.975, method="historical")
DJSO	47	135	1931	2018-10-17	2018-10-17	DJSOretOUTSAt47<-ln(DJSOaprx[135:1931]/lead(DJSOaprx[135:1931], 1))[1:1796]	datDJSOretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(DJSOretOUTSAt47))	DJSOESHIt47<-ES(datDJSOretOUTSAt47$rev.DJSOretOUTSAt47, p=0.975, method="historical")
DJSO	48	134	1930	2018-10-18	2018-10-18	DJSOretOUTSAt48<-ln(DJSOaprx[134:1930]/lead(DJSOaprx[134:1930], 1))[1:1796]	datDJSOretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(DJSOretOUTSAt48))	DJSOESHIt48<-ES(datDJSOretOUTSAt48$rev.DJSOretOUTSAt48, p=0.975, method="historical")
DJSO	49	133	1929	2018-10-19	2018-10-19	DJSOretOUTSAt49<-ln(DJSOaprx[133:1929]/lead(DJSOaprx[133:1929], 1))[1:1796]	datDJSOretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(DJSOretOUTSAt49))	DJSOESHIt49<-ES(datDJSOretOUTSAt49$rev.DJSOretOUTSAt49, p=0.975, method="historical")
DJSO	50	132	1928	2018-10-20	2018-10-20	DJSOretOUTSAt50<-ln(DJSOaprx[132:1928]/lead(DJSOaprx[132:1928], 1))[1:1796]	datDJSOretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(DJSOretOUTSAt50))	DJSOESHIt50<-ES(datDJSOretOUTSAt50$rev.DJSOretOUTSAt50, p=0.975, method="historical")
DJSO	51	131	1927	2018-10-21	2018-10-21	DJSOretOUTSAt51<-ln(DJSOaprx[131:1927]/lead(DJSOaprx[131:1927], 1))[1:1796]	datDJSOretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(DJSOretOUTSAt51))	DJSOESHIt51<-ES(datDJSOretOUTSAt51$rev.DJSOretOUTSAt51, p=0.975, method="historical")
DJSO	52	130	1926	2018-10-22	2018-10-22	DJSOretOUTSAt52<-ln(DJSOaprx[130:1926]/lead(DJSOaprx[130:1926], 1))[1:1796]	datDJSOretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(DJSOretOUTSAt52))	DJSOESHIt52<-ES(datDJSOretOUTSAt52$rev.DJSOretOUTSAt52, p=0.975, method="historical")
DJSO	53	129	1925	2018-10-23	2018-10-23	DJSOretOUTSAt53<-ln(DJSOaprx[129:1925]/lead(DJSOaprx[129:1925], 1))[1:1796]	datDJSOretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(DJSOretOUTSAt53))	DJSOESHIt53<-ES(datDJSOretOUTSAt53$rev.DJSOretOUTSAt53, p=0.975, method="historical")
DJSO	54	128	1924	2018-10-24	2018-10-24	DJSOretOUTSAt54<-ln(DJSOaprx[128:1924]/lead(DJSOaprx[128:1924], 1))[1:1796]	datDJSOretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(DJSOretOUTSAt54))	DJSOESHIt54<-ES(datDJSOretOUTSAt54$rev.DJSOretOUTSAt54, p=0.975, method="historical")
DJSO	55	127	1923	2018-10-25	2018-10-25	DJSOretOUTSAt55<-ln(DJSOaprx[127:1923]/lead(DJSOaprx[127:1923], 1))[1:1796]	datDJSOretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(DJSOretOUTSAt55))	DJSOESHIt55<-ES(datDJSOretOUTSAt55$rev.DJSOretOUTSAt55, p=0.975, method="historical")
DJSO	56	126	1922	2018-10-26	2018-10-26	DJSOretOUTSAt56<-ln(DJSOaprx[126:1922]/lead(DJSOaprx[126:1922], 1))[1:1796]	datDJSOretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(DJSOretOUTSAt56))	DJSOESHIt56<-ES(datDJSOretOUTSAt56$rev.DJSOretOUTSAt56, p=0.975, method="historical")
DJSO	57	125	1921	2018-10-27	2018-10-27	DJSOretOUTSAt57<-ln(DJSOaprx[125:1921]/lead(DJSOaprx[125:1921], 1))[1:1796]	datDJSOretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(DJSOretOUTSAt57))	DJSOESHIt57<-ES(datDJSOretOUTSAt57$rev.DJSOretOUTSAt57, p=0.975, method="historical")
DJSO	58	124	1920	2018-10-28	2018-10-28	DJSOretOUTSAt58<-ln(DJSOaprx[124:1920]/lead(DJSOaprx[124:1920], 1))[1:1796]	datDJSOretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(DJSOretOUTSAt58))	DJSOESHIt58<-ES(datDJSOretOUTSAt58$rev.DJSOretOUTSAt58, p=0.975, method="historical")
DJSO	59	123	1919	2018-10-29	2018-10-29	DJSOretOUTSAt59<-ln(DJSOaprx[123:1919]/lead(DJSOaprx[123:1919], 1))[1:1796]	datDJSOretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(DJSOretOUTSAt59))	DJSOESHIt59<-ES(datDJSOretOUTSAt59$rev.DJSOretOUTSAt59, p=0.975, method="historical")
DJSO	60	122	1918	2018-10-30	2018-10-30	DJSOretOUTSAt60<-ln(DJSOaprx[122:1918]/lead(DJSOaprx[122:1918], 1))[1:1796]	datDJSOretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(DJSOretOUTSAt60))	DJSOESHIt60<-ES(datDJSOretOUTSAt60$rev.DJSOretOUTSAt60, p=0.975, method="historical")
DJSO	61	121	1917	2018-10-31	2018-10-31	DJSOretOUTSAt61<-ln(DJSOaprx[121:1917]/lead(DJSOaprx[121:1917], 1))[1:1796]	datDJSOretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(DJSOretOUTSAt61))	DJSOESHIt61<-ES(datDJSOretOUTSAt61$rev.DJSOretOUTSAt61, p=0.975, method="historical")
DJSO	62	120	1916	2018-11-01	2018-11-01	DJSOretOUTSAt62<-ln(DJSOaprx[120:1916]/lead(DJSOaprx[120:1916], 1))[1:1796]	datDJSOretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(DJSOretOUTSAt62))	DJSOESHIt62<-ES(datDJSOretOUTSAt62$rev.DJSOretOUTSAt62, p=0.975, method="historical")
DJSO	63	119	1915	2018-11-02	2018-11-02	DJSOretOUTSAt63<-ln(DJSOaprx[119:1915]/lead(DJSOaprx[119:1915], 1))[1:1796]	datDJSOretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(DJSOretOUTSAt63))	DJSOESHIt63<-ES(datDJSOretOUTSAt63$rev.DJSOretOUTSAt63, p=0.975, method="historical")
DJSO	64	118	1914	2018-11-03	2018-11-03	DJSOretOUTSAt64<-ln(DJSOaprx[118:1914]/lead(DJSOaprx[118:1914], 1))[1:1796]	datDJSOretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(DJSOretOUTSAt64))	DJSOESHIt64<-ES(datDJSOretOUTSAt64$rev.DJSOretOUTSAt64, p=0.975, method="historical")
DJSO	65	117	1913	2018-11-04	2018-11-04	DJSOretOUTSAt65<-ln(DJSOaprx[117:1913]/lead(DJSOaprx[117:1913], 1))[1:1796]	datDJSOretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(DJSOretOUTSAt65))	DJSOESHIt65<-ES(datDJSOretOUTSAt65$rev.DJSOretOUTSAt65, p=0.975, method="historical")
DJSO	66	116	1912	2018-11-05	2018-11-05	DJSOretOUTSAt66<-ln(DJSOaprx[116:1912]/lead(DJSOaprx[116:1912], 1))[1:1796]	datDJSOretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(DJSOretOUTSAt66))	DJSOESHIt66<-ES(datDJSOretOUTSAt66$rev.DJSOretOUTSAt66, p=0.975, method="historical")
DJSO	67	115	1911	2018-11-06	2018-11-06	DJSOretOUTSAt67<-ln(DJSOaprx[115:1911]/lead(DJSOaprx[115:1911], 1))[1:1796]	datDJSOretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(DJSOretOUTSAt67))	DJSOESHIt67<-ES(datDJSOretOUTSAt67$rev.DJSOretOUTSAt67, p=0.975, method="historical")
DJSO	68	114	1910	2018-11-07	2018-11-07	DJSOretOUTSAt68<-ln(DJSOaprx[114:1910]/lead(DJSOaprx[114:1910], 1))[1:1796]	datDJSOretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(DJSOretOUTSAt68))	DJSOESHIt68<-ES(datDJSOretOUTSAt68$rev.DJSOretOUTSAt68, p=0.975, method="historical")
DJSO	69	113	1909	2018-11-08	2018-11-08	DJSOretOUTSAt69<-ln(DJSOaprx[113:1909]/lead(DJSOaprx[113:1909], 1))[1:1796]	datDJSOretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(DJSOretOUTSAt69))	DJSOESHIt69<-ES(datDJSOretOUTSAt69$rev.DJSOretOUTSAt69, p=0.975, method="historical")
DJSO	70	112	1908	2018-11-09	2018-11-09	DJSOretOUTSAt70<-ln(DJSOaprx[112:1908]/lead(DJSOaprx[112:1908], 1))[1:1796]	datDJSOretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(DJSOretOUTSAt70))	DJSOESHIt70<-ES(datDJSOretOUTSAt70$rev.DJSOretOUTSAt70, p=0.975, method="historical")
DJSO	71	111	1907	2018-11-10	2018-11-10	DJSOretOUTSAt71<-ln(DJSOaprx[111:1907]/lead(DJSOaprx[111:1907], 1))[1:1796]	datDJSOretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(DJSOretOUTSAt71))	DJSOESHIt71<-ES(datDJSOretOUTSAt71$rev.DJSOretOUTSAt71, p=0.975, method="historical")
DJSO	72	110	1906	2018-11-11	2018-11-11	DJSOretOUTSAt72<-ln(DJSOaprx[110:1906]/lead(DJSOaprx[110:1906], 1))[1:1796]	datDJSOretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(DJSOretOUTSAt72))	DJSOESHIt72<-ES(datDJSOretOUTSAt72$rev.DJSOretOUTSAt72, p=0.975, method="historical")
DJSO	73	109	1905	2018-11-12	2018-11-12	DJSOretOUTSAt73<-ln(DJSOaprx[109:1905]/lead(DJSOaprx[109:1905], 1))[1:1796]	datDJSOretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(DJSOretOUTSAt73))	DJSOESHIt73<-ES(datDJSOretOUTSAt73$rev.DJSOretOUTSAt73, p=0.975, method="historical")
DJSO	74	108	1904	2018-11-13	2018-11-13	DJSOretOUTSAt74<-ln(DJSOaprx[108:1904]/lead(DJSOaprx[108:1904], 1))[1:1796]	datDJSOretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(DJSOretOUTSAt74))	DJSOESHIt74<-ES(datDJSOretOUTSAt74$rev.DJSOretOUTSAt74, p=0.975, method="historical")
DJSO	75	107	1903	2018-11-14	2018-11-14	DJSOretOUTSAt75<-ln(DJSOaprx[107:1903]/lead(DJSOaprx[107:1903], 1))[1:1796]	datDJSOretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(DJSOretOUTSAt75))	DJSOESHIt75<-ES(datDJSOretOUTSAt75$rev.DJSOretOUTSAt75, p=0.975, method="historical")
DJSO	76	106	1902	2018-11-15	2018-11-15	DJSOretOUTSAt76<-ln(DJSOaprx[106:1902]/lead(DJSOaprx[106:1902], 1))[1:1796]	datDJSOretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(DJSOretOUTSAt76))	DJSOESHIt76<-ES(datDJSOretOUTSAt76$rev.DJSOretOUTSAt76, p=0.975, method="historical")
DJSO	77	105	1901	2018-11-16	2018-11-16	DJSOretOUTSAt77<-ln(DJSOaprx[105:1901]/lead(DJSOaprx[105:1901], 1))[1:1796]	datDJSOretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(DJSOretOUTSAt77))	DJSOESHIt77<-ES(datDJSOretOUTSAt77$rev.DJSOretOUTSAt77, p=0.975, method="historical")
DJSO	78	104	1900	2018-11-17	2018-11-17	DJSOretOUTSAt78<-ln(DJSOaprx[104:1900]/lead(DJSOaprx[104:1900], 1))[1:1796]	datDJSOretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(DJSOretOUTSAt78))	DJSOESHIt78<-ES(datDJSOretOUTSAt78$rev.DJSOretOUTSAt78, p=0.975, method="historical")
DJSO	79	103	1899	2018-11-18	2018-11-18	DJSOretOUTSAt79<-ln(DJSOaprx[103:1899]/lead(DJSOaprx[103:1899], 1))[1:1796]	datDJSOretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(DJSOretOUTSAt79))	DJSOESHIt79<-ES(datDJSOretOUTSAt79$rev.DJSOretOUTSAt79, p=0.975, method="historical")
DJSO	80	102	1898	2018-11-19	2018-11-19	DJSOretOUTSAt80<-ln(DJSOaprx[102:1898]/lead(DJSOaprx[102:1898], 1))[1:1796]	datDJSOretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(DJSOretOUTSAt80))	DJSOESHIt80<-ES(datDJSOretOUTSAt80$rev.DJSOretOUTSAt80, p=0.975, method="historical")
DJSO	81	101	1897	2018-11-20	2018-11-20	DJSOretOUTSAt81<-ln(DJSOaprx[101:1897]/lead(DJSOaprx[101:1897], 1))[1:1796]	datDJSOretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(DJSOretOUTSAt81))	DJSOESHIt81<-ES(datDJSOretOUTSAt81$rev.DJSOretOUTSAt81, p=0.975, method="historical")
DJSO	82	100	1896	2018-11-21	2018-11-21	DJSOretOUTSAt82<-ln(DJSOaprx[100:1896]/lead(DJSOaprx[100:1896], 1))[1:1796]	datDJSOretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(DJSOretOUTSAt82))	DJSOESHIt82<-ES(datDJSOretOUTSAt82$rev.DJSOretOUTSAt82, p=0.975, method="historical")
DJSO	83	99	1895	2018-11-22	2018-11-22	DJSOretOUTSAt83<-ln(DJSOaprx[99:1895]/lead(DJSOaprx[99:1895], 1))[1:1796]	datDJSOretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(DJSOretOUTSAt83))	DJSOESHIt83<-ES(datDJSOretOUTSAt83$rev.DJSOretOUTSAt83, p=0.975, method="historical")
DJSO	84	98	1894	2018-11-23	2018-11-23	DJSOretOUTSAt84<-ln(DJSOaprx[98:1894]/lead(DJSOaprx[98:1894], 1))[1:1796]	datDJSOretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(DJSOretOUTSAt84))	DJSOESHIt84<-ES(datDJSOretOUTSAt84$rev.DJSOretOUTSAt84, p=0.975, method="historical")
DJSO	85	97	1893	2018-11-24	2018-11-24	DJSOretOUTSAt85<-ln(DJSOaprx[97:1893]/lead(DJSOaprx[97:1893], 1))[1:1796]	datDJSOretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DJSOretOUTSAt85))	DJSOESHIt85<-ES(datDJSOretOUTSAt85$rev.DJSOretOUTSAt85, p=0.975, method="historical")
DJSO	86	96	1892	2018-11-25	2018-11-25	DJSOretOUTSAt86<-ln(DJSOaprx[96:1892]/lead(DJSOaprx[96:1892], 1))[1:1796]	datDJSOretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DJSOretOUTSAt86))	DJSOESHIt86<-ES(datDJSOretOUTSAt86$rev.DJSOretOUTSAt86, p=0.975, method="historical")
DJSO	87	95	1891	2018-11-26	2018-11-26	DJSOretOUTSAt87<-ln(DJSOaprx[95:1891]/lead(DJSOaprx[95:1891], 1))[1:1796]	datDJSOretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DJSOretOUTSAt87))	DJSOESHIt87<-ES(datDJSOretOUTSAt87$rev.DJSOretOUTSAt87, p=0.975, method="historical")
DJSO	88	94	1890	2018-11-27	2018-11-27	DJSOretOUTSAt88<-ln(DJSOaprx[94:1890]/lead(DJSOaprx[94:1890], 1))[1:1796]	datDJSOretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DJSOretOUTSAt88))	DJSOESHIt88<-ES(datDJSOretOUTSAt88$rev.DJSOretOUTSAt88, p=0.975, method="historical")
DJSO	89	93	1889	2018-11-28	2018-11-28	DJSOretOUTSAt89<-ln(DJSOaprx[93:1889]/lead(DJSOaprx[93:1889], 1))[1:1796]	datDJSOretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DJSOretOUTSAt89))	DJSOESHIt89<-ES(datDJSOretOUTSAt89$rev.DJSOretOUTSAt89, p=0.975, method="historical")
DJSO	90	92	1888	2018-11-29	2018-11-29	DJSOretOUTSAt90<-ln(DJSOaprx[92:1888]/lead(DJSOaprx[92:1888], 1))[1:1796]	datDJSOretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DJSOretOUTSAt90))	DJSOESHIt90<-ES(datDJSOretOUTSAt90$rev.DJSOretOUTSAt90, p=0.975, method="historical")
DJSO	91	91	1887	2018-11-30	2018-11-30	DJSOretOUTSAt91<-ln(DJSOaprx[91:1887]/lead(DJSOaprx[91:1887], 1))[1:1796]	datDJSOretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DJSOretOUTSAt91))	DJSOESHIt91<-ES(datDJSOretOUTSAt91$rev.DJSOretOUTSAt91, p=0.975, method="historical")
DJSO	92	90	1886	2018-12-01	2018-12-01	DJSOretOUTSAt92<-ln(DJSOaprx[90:1886]/lead(DJSOaprx[90:1886], 1))[1:1796]	datDJSOretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DJSOretOUTSAt92))	DJSOESHIt92<-ES(datDJSOretOUTSAt92$rev.DJSOretOUTSAt92, p=0.975, method="historical")
DJSO	93	89	1885	2018-12-02	2018-12-02	DJSOretOUTSAt93<-ln(DJSOaprx[89:1885]/lead(DJSOaprx[89:1885], 1))[1:1796]	datDJSOretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DJSOretOUTSAt93))	DJSOESHIt93<-ES(datDJSOretOUTSAt93$rev.DJSOretOUTSAt93, p=0.975, method="historical")
DJSO	94	88	1884	2018-12-03	2018-12-03	DJSOretOUTSAt94<-ln(DJSOaprx[88:1884]/lead(DJSOaprx[88:1884], 1))[1:1796]	datDJSOretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DJSOretOUTSAt94))	DJSOESHIt94<-ES(datDJSOretOUTSAt94$rev.DJSOretOUTSAt94, p=0.975, method="historical")
DJSO	95	87	1883	2018-12-04	2018-12-04	DJSOretOUTSAt95<-ln(DJSOaprx[87:1883]/lead(DJSOaprx[87:1883], 1))[1:1796]	datDJSOretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DJSOretOUTSAt95))	DJSOESHIt95<-ES(datDJSOretOUTSAt95$rev.DJSOretOUTSAt95, p=0.975, method="historical")
DJSO	96	86	1882	2018-12-05	2018-12-05	DJSOretOUTSAt96<-ln(DJSOaprx[86:1882]/lead(DJSOaprx[86:1882], 1))[1:1796]	datDJSOretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DJSOretOUTSAt96))	DJSOESHIt96<-ES(datDJSOretOUTSAt96$rev.DJSOretOUTSAt96, p=0.975, method="historical")
DJSO	97	85	1881	2018-12-06	2018-12-06	DJSOretOUTSAt97<-ln(DJSOaprx[85:1881]/lead(DJSOaprx[85:1881], 1))[1:1796]	datDJSOretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DJSOretOUTSAt97))	DJSOESHIt97<-ES(datDJSOretOUTSAt97$rev.DJSOretOUTSAt97, p=0.975, method="historical")
DJSO	98	84	1880	2018-12-07	2018-12-07	DJSOretOUTSAt98<-ln(DJSOaprx[84:1880]/lead(DJSOaprx[84:1880], 1))[1:1796]	datDJSOretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DJSOretOUTSAt98))	DJSOESHIt98<-ES(datDJSOretOUTSAt98$rev.DJSOretOUTSAt98, p=0.975, method="historical")
DJSO	99	83	1879	2018-12-08	2018-12-08	DJSOretOUTSAt99<-ln(DJSOaprx[83:1879]/lead(DJSOaprx[83:1879], 1))[1:1796]	datDJSOretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DJSOretOUTSAt99))	DJSOESHIt99<-ES(datDJSOretOUTSAt99$rev.DJSOretOUTSAt99, p=0.975, method="historical")
DJSO	100	82	1878	2018-12-09	2018-12-09	DJSOretOUTSAt100<-ln(DJSOaprx[82:1878]/lead(DJSOaprx[82:1878], 1))[1:1796]	datDJSOretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DJSOretOUTSAt100))	DJSOESHIt100<-ES(datDJSOretOUTSAt100$rev.DJSOretOUTSAt100, p=0.975, method="historical")
DJSO	101	81	1877	2018-12-10	2018-12-10	DJSOretOUTSAt101<-ln(DJSOaprx[81:1877]/lead(DJSOaprx[81:1877], 1))[1:1796]	datDJSOretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DJSOretOUTSAt101))	DJSOESHIt101<-ES(datDJSOretOUTSAt101$rev.DJSOretOUTSAt101, p=0.975, method="historical")
DJSO	102	80	1876	2018-12-11	2018-12-11	DJSOretOUTSAt102<-ln(DJSOaprx[80:1876]/lead(DJSOaprx[80:1876], 1))[1:1796]	datDJSOretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DJSOretOUTSAt102))	DJSOESHIt102<-ES(datDJSOretOUTSAt102$rev.DJSOretOUTSAt102, p=0.975, method="historical")
DJSO	103	79	1875	2018-12-12	2018-12-12	DJSOretOUTSAt103<-ln(DJSOaprx[79:1875]/lead(DJSOaprx[79:1875], 1))[1:1796]	datDJSOretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DJSOretOUTSAt103))	DJSOESHIt103<-ES(datDJSOretOUTSAt103$rev.DJSOretOUTSAt103, p=0.975, method="historical")
DJSO	104	78	1874	2018-12-13	2018-12-13	DJSOretOUTSAt104<-ln(DJSOaprx[78:1874]/lead(DJSOaprx[78:1874], 1))[1:1796]	datDJSOretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DJSOretOUTSAt104))	DJSOESHIt104<-ES(datDJSOretOUTSAt104$rev.DJSOretOUTSAt104, p=0.975, method="historical")
DJSO	105	77	1873	2018-12-14	2018-12-14	DJSOretOUTSAt105<-ln(DJSOaprx[77:1873]/lead(DJSOaprx[77:1873], 1))[1:1796]	datDJSOretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DJSOretOUTSAt105))	DJSOESHIt105<-ES(datDJSOretOUTSAt105$rev.DJSOretOUTSAt105, p=0.975, method="historical")
DJSO	106	76	1872	2018-12-15	2018-12-15	DJSOretOUTSAt106<-ln(DJSOaprx[76:1872]/lead(DJSOaprx[76:1872], 1))[1:1796]	datDJSOretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DJSOretOUTSAt106))	DJSOESHIt106<-ES(datDJSOretOUTSAt106$rev.DJSOretOUTSAt106, p=0.975, method="historical")
DJSO	107	75	1871	2018-12-16	2018-12-16	DJSOretOUTSAt107<-ln(DJSOaprx[75:1871]/lead(DJSOaprx[75:1871], 1))[1:1796]	datDJSOretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018

DJSO	166	16	1812	2019-02-13	2019-02-13	DJSOretOUTSAt166<-ln(DJSOapprx[16:1812]/lead(DJSOapprx[16:1812], 1))[1:1796]	datDJSOretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(DJSOretOUTSAt166))	DJSOESHIt166<-ES(datDJSOretOUTSAt166$rev.DJSOretOUTSAt166, p=0.975, method="historical")
DJSO	167	15	1811	2019-02-14	2019-02-14	DJSOretOUTSAt167<-ln(DJSOapprx[15:1811]/lead(DJSOapprx[15:1811], 1))[1:1796]	datDJSOretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(DJSOretOUTSAt167))	DJSOESHIt167<-ES(datDJSOretOUTSAt167$rev.DJSOretOUTSAt167, p=0.975, method="historical")
DJSO	168	14	1810	2019-02-15	2019-02-15	DJSOretOUTSAt168<-ln(DJSOapprx[14:1810]/lead(DJSOapprx[14:1810], 1))[1:1796]	datDJSOretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(DJSOretOUTSAt168))	DJSOESHIt168<-ES(datDJSOretOUTSAt168$rev.DJSOretOUTSAt168, p=0.975, method="historical")
DJSO	169	13	1809	2019-02-16	2019-02-16	DJSOretOUTSAt169<-ln(DJSOapprx[13:1809]/lead(DJSOapprx[13:1809], 1))[1:1796]	datDJSOretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(DJSOretOUTSAt169))	DJSOESHIt169<-ES(datDJSOretOUTSAt169$rev.DJSOretOUTSAt169, p=0.975, method="historical")
DJSO	170	12	1808	2019-02-17	2019-02-17	DJSOretOUTSAt170<-ln(DJSOapprx[12:1808]/lead(DJSOapprx[12:1808], 1))[1:1796]	datDJSOretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(DJSOretOUTSAt170))	DJSOESHIt170<-ES(datDJSOretOUTSAt170$rev.DJSOretOUTSAt170, p=0.975, method="historical")
DJSO	171	11	1807	2019-02-18	2019-02-18	DJSOretOUTSAt171<-ln(DJSOapprx[11:1807]/lead(DJSOapprx[11:1807], 1))[1:1796]	datDJSOretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(DJSOretOUTSAt171))	DJSOESHIt171<-ES(datDJSOretOUTSAt171$rev.DJSOretOUTSAt171, p=0.975, method="historical")
DJSO	172	10	1806	2019-02-19	2019-02-19	DJSOretOUTSAt172<-ln(DJSOapprx[10:1806]/lead(DJSOapprx[10:1806], 1))[1:1796]	datDJSOretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(DJSOretOUTSAt172))	DJSOESHIt172<-ES(datDJSOretOUTSAt172$rev.DJSOretOUTSAt172, p=0.975, method="historical")
DJSO	173	9	1805	2019-02-20	2019-02-20	DJSOretOUTSAt173<-ln(DJSOapprx[9:1805]/lead(DJSOapprx[9:1805], 1))[1:1796]	datDJSOretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(DJSOretOUTSAt173))	DJSOESHIt173<-ES(datDJSOretOUTSAt173$rev.DJSOretOUTSAt173, p=0.975, method="historical")
DJSO	174	8	1804	2019-02-21	2019-02-21	DJSOretOUTSAt174<-ln(DJSOapprx[8:1804]/lead(DJSOapprx[8:1804], 1))[1:1796]	datDJSOretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(DJSOretOUTSAt174))	DJSOESHIt174<-ES(datDJSOretOUTSAt174$rev.DJSOretOUTSAt174, p=0.975, method="historical")
DJSO	175	7	1803	2019-02-22	2019-02-22	DJSOretOUTSAt175<-ln(DJSOapprx[7:1803]/lead(DJSOapprx[7:1803], 1))[1:1796]	datDJSOretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(DJSOretOUTSAt175))	DJSOESHIt175<-ES(datDJSOretOUTSAt175$rev.DJSOretOUTSAt175, p=0.975, method="historical")
DJSO	176	6	1802	2019-02-23	2019-02-23	DJSOretOUTSAt176<-ln(DJSOapprx[6:1802]/lead(DJSOapprx[6:1802], 1))[1:1796]	datDJSOretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(DJSOretOUTSAt176))	DJSOESHIt176<-ES(datDJSOretOUTSAt176$rev.DJSOretOUTSAt176, p=0.975, method="historical")
DJSO	177	5	1801	2019-02-24	2019-02-24	DJSOretOUTSAt177<-ln(DJSOapprx[5:1801]/lead(DJSOapprx[5:1801], 1))[1:1796]	datDJSOretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(DJSOretOUTSAt177))	DJSOESHIt177<-ES(datDJSOretOUTSAt177$rev.DJSOretOUTSAt177, p=0.975, method="historical")
DJSO	178	4	1800	2019-02-25	2019-02-25	DJSOretOUTSAt178<-ln(DJSOapprx[4:1800]/lead(DJSOapprx[4:1800], 1))[1:1796]	datDJSOretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(DJSOretOUTSAt178))	DJSOESHIt178<-ES(datDJSOretOUTSAt178$rev.DJSOretOUTSAt178, p=0.975, method="historical")
DJSO	179	3	1799	2019-02-26	2019-02-26	DJSOretOUTSAt179<-ln(DJSOapprx[3:1799]/lead(DJSOapprx[3:1799], 1))[1:1796]	datDJSOretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(DJSOretOUTSAt179))	DJSOESHIt179<-ES(datDJSOretOUTSAt179$rev.DJSOretOUTSAt179, p=0.975, method="historical")
DJSO	180	2	1798	2019-02-27	2019-02-27	DJSOretOUTSAt180<-ln(DJSOapprx[2:1798]/lead(DJSOapprx[2:1798], 1))[1:1796]	datDJSOretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(DJSOretOUTSAt180))	DJSOESHIt180<-ES(datDJSOretOUTSAt180$rev.DJSOretOUTSAt180, p=0.975, method="historical")
DJSO	181	1	1797	2019-02-28	2019-02-28	DJSOretOUTSAt181<-ln(DJSOapprx[1:1797]/lead(DJSOapprx[1:1797], 1))[1:1796]	datDJSOretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(DJSOretOUTSAt181))	DJSOESHIt181<-ES(datDJSOretOUTSAt181$rev.DJSOretOUTSAt181, p=0.975, method="historical")
#SEFP								
SEFP	1	181	1977	2018-09-01	2018-09-01	SEFPretOUTSAt1<-ln(SEFPapprx[181:1977]/lead(SEFPapprx[181:1977], 1))[1:1796]	datSEFPretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEFPretOUTSAt1))	SEFPESHIt1<-ES(datSEFPretOUTSAt1$rev.SEFPretOUTSAt1, p=0.975, method="historical")
SEFP	2	180	1976	2018-09-02	2018-09-02	SEFPretOUTSAt2<-ln(SEFPapprx[180:1976]/lead(SEFPapprx[180:1976], 1))[1:1796]	datSEFPretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEFPretOUTSAt2))	SEFPESHIt2<-ES(datSEFPretOUTSAt2$rev.SEFPretOUTSAt2, p=0.975, method="historical")
SEFP	3	179	1975	2018-09-03	2018-09-03	SEFPretOUTSAt3<-ln(SEFPapprx[179:1975]/lead(SEFPapprx[179:1975], 1))[1:1796]	datSEFPretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEFPretOUTSAt3))	SEFPESHIt3<-ES(datSEFPretOUTSAt3$rev.SEFPretOUTSAt3, p=0.975, method="historical")
SEFP	4	178	1974	2018-09-04	2018-09-04	SEFPretOUTSAt4<-ln(SEFPapprx[178:1974]/lead(SEFPapprx[178:1974], 1))[1:1796]	datSEFPretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEFPretOUTSAt4))	SEFPESHIt4<-ES(datSEFPretOUTSAt4$rev.SEFPretOUTSAt4, p=0.975, method="historical")
SEFP	5	177	1973	2018-09-05	2018-09-05	SEFPretOUTSAt5<-ln(SEFPapprx[177:1973]/lead(SEFPapprx[177:1973], 1))[1:1796]	datSEFPretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEFPretOUTSAt5))	SEFPESHIt5<-ES(datSEFPretOUTSAt5$rev.SEFPretOUTSAt5, p=0.975, method="historical")
SEFP	6	176	1972	2018-09-06	2018-09-06	SEFPretOUTSAt6<-ln(SEFPapprx[176:1972]/lead(SEFPapprx[176:1972], 1))[1:1796]	datSEFPretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEFPretOUTSAt6))	SEFPESHIt6<-ES(datSEFPretOUTSAt6$rev.SEFPretOUTSAt6, p=0.975, method="historical")
SEFP	7	175	1971	2018-09-07	2018-09-07	SEFPretOUTSAt7<-ln(SEFPapprx[175:1971]/lead(SEFPapprx[175:1971], 1))[1:1796]	datSEFPretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEFPretOUTSAt7))	SEFPESHIt7<-ES(datSEFPretOUTSAt7$rev.SEFPretOUTSAt7, p=0.975, method="historical")
SEFP	8	174	1970	2018-09-08	2018-09-08	SEFPretOUTSAt8<-ln(SEFPapprx[174:1970]/lead(SEFPapprx[174:1970], 1))[1:1796]	datSEFPretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEFPretOUTSAt8))	SEFPESHIt8<-ES(datSEFPretOUTSAt8$rev.SEFPretOUTSAt8, p=0.975, method="historical")
SEFP	9	173	1969	2018-09-09	2018-09-09	SEFPretOUTSAt9<-ln(SEFPapprx[173:1969]/lead(SEFPapprx[173:1969], 1))[1:1796]	datSEFPretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEFPretOUTSAt9))	SEFPESHIt9<-ES(datSEFPretOUTSAt9$rev.SEFPretOUTSAt9, p=0.975, method="historical")
SEFP	10	172	1968	2018-09-10	2018-09-10	SEFPretOUTSAt10<-ln(SEFPapprx[172:1968]/lead(SEFPapprx[172:1968], 1))[1:1796]	datSEFPretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEFPretOUTSAt10))	SEFPESHIt10<-ES(datSEFPretOUTSAt10$rev.SEFPretOUTSAt10, p=0.975, method="historical")
SEFP	11	171	1967	2018-09-11	2018-09-11	SEFPretOUTSAt11<-ln(SEFPapprx[171:1967]/lead(SEFPapprx[171:1967], 1))[1:1796]	datSEFPretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEFPretOUTSAt11))	SEFPESHIt11<-ES(datSEFPretOUTSAt11$rev.SEFPretOUTSAt11, p=0.975, method="historical")
SEFP	12	170	1966	2018-09-12	2018-09-12	SEFPretOUTSAt12<-ln(SEFPapprx[170:1966]/lead(SEFPapprx[170:1966], 1))[1:1796]	datSEFPretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEFPretOUTSAt12))	SEFPESHIt12<-ES(datSEFPretOUTSAt12$rev.SEFPretOUTSAt12, p=0.975, method="historical")
SEFP	13	169	1965	2018-09-13	2018-09-13	SEFPretOUTSAt13<-ln(SEFPapprx[169:1965]/lead(SEFPapprx[169:1965], 1))[1:1796]	datSEFPretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEFPretOUTSAt13))	SEFPESHIt13<-ES(datSEFPretOUTSAt13$rev.SEFPretOUTSAt13, p=0.975, method="historical")
SEFP	14	168	1964	2018-09-14	2018-09-14	SEFPretOUTSAt14<-ln(SEFPapprx[168:1964]/lead(SEFPapprx[168:1964], 1))[1:1796]	datSEFPretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEFPretOUTSAt14))	SEFPESHIt14<-ES(datSEFPretOUTSAt14$rev.SEFPretOUTSAt14, p=0.975, method="historical")
SEFP	15	167	1963	2018-09-15	2018-09-15	SEFPretOUTSAt15<-ln(SEFPapprx[167:1963]/lead(SEFPapprx[167:1963], 1))[1:1796]	datSEFPretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEFPretOUTSAt15))	SEFPESHIt15<-ES(datSEFPretOUTSAt15$rev.SEFPretOUTSAt15, p=0.975, method="historical")
SEFP	16	166	1962	2018-09-16	2018-09-16	SEFPretOUTSAt16<-ln(SEFPapprx[166:1962]/lead(SEFPapprx[166:1962], 1))[1:1796]	datSEFPretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEFPretOUTSAt16))	SEFPESHIt16<-ES(datSEFPretOUTSAt16$rev.SEFPretOUTSAt16, p=0.975, method="historical")
SEFP	17	165	1961	2018-09-17	2018-09-17	SEFPretOUTSAt17<-ln(SEFPapprx[165:1961]/lead(SEFPapprx[165:1961], 1))[1:1796]	datSEFPretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEFPretOUTSAt17))	SEFPESHIt17<-ES(datSEFPretOUTSAt17$rev.SEFPretOUTSAt17, p=0.975, method="historical")
SEFP	18	164	1960	2018-09-18	2018-09-18	SEFPretOUTSAt18<-ln(SEFPapprx[164:1960]/lead(SEFPapprx[164:1960], 1))[1:1796]	datSEFPretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEFPretOUTSAt18))	SEFPESHIt18<-ES(datSEFPretOUTSAt18$rev.SEFPretOUTSAt18, p=0.975, method="historical")
SEFP	19	163	1959	2018-09-19	2018-09-19	SEFPretOUTSAt19<-ln(SEFPapprx[163:1959]/lead(SEFPapprx[163:1959], 1))[1:1796]	datSEFPretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEFPretOUTSAt19))	SEFPESHIt19<-ES(datSEFPretOUTSAt19$rev.SEFPretOUTSAt19, p=0.975, method="historical")
SEFP	20	162	1958	2018-09-20	2018-09-20	SEFPretOUTSAt20<-ln(SEFPapprx[162:1958]/lead(SEFPapprx[162:1958], 1))[1:1796]	datSEFPretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEFPretOUTSAt20))	SEFPESHIt20<-ES(datSEFPretOUTSAt20$rev.SEFPretOUTSAt20, p=0.975, method="historical")
SEFP	21	161	1957	2018-09-21	2018-09-21	SEFPretOUTSAt21<-ln(SEFPapprx[161:1957]/lead(SEFPapprx[161:1957], 1))[1:1796]	datSEFPretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEFPretOUTSAt21))	SEFPESHIt21<-ES(datSEFPretOUTSAt21$rev.SEFPretOUTSAt21, p=0.975, method="historical")
SEFP	22	160	1956	2018-09-22	2018-09-22	SEFPretOUTSAt22<-ln(SEFPapprx[160:1956]/lead(SEFPapprx[160:1956], 1))[1:1796]	datSEFPretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEFPretOUTSAt22))	SEFPESHIt22<-ES(datSEFPretOUTSAt22$rev.SEFPretOUTSAt22, p=0.975, method="historical")
SEFP	23	159	1955	2018-09-23	2018-09-23	SEFPretOUTSAt23<-ln(SEFPapprx[159:1955]/lead(SEFPapprx[159:1955], 1))[1:1796]	datSEFPretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEFPretOUTSAt23))	SEFPESHIt23<-ES(datSEFPretOUTSAt23$rev.SEFPretOUTSAt23, p=0.975, method="historical")
SEFP	24	158	1954	2018-09-24	2018-09-24	SEFPretOUTSAt24<-ln(SEFPapprx[158:1954]/lead(SEFPapprx[158:1954], 1))[1:1796]	datSEFPretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEFPretOUTSAt24))	SEFPESHIt24<-ES(datSEFPretOUTSAt24$rev.SEFPretOUTSAt24, p=0.975, method="historical")
SEFP	25	157	1953	2018-09-25	2018-09-25	SEFPretOUTSAt25<-ln(SEFPapprx[157:1953]/lead(SEFPapprx[157:1953], 1))[1:1796]	datSEFPretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEFPretOUTSAt25))	SEFPESHIt25<-ES(datSEFPretOUTSAt25$rev.SEFPretOUTSAt25, p=0.975, method="historical")
SEFP	26	156	1952	2018-09-26	2018-09-26	SEFPretOUTSAt26<-ln(SEFPapprx[156:1952]/lead(SEFPapprx[156:1952], 1))[1:1796]	datSEFPretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEFPretOUTSAt26))	SEFPESHIt26<-ES(datSEFPretOUTSAt26$rev.SEFPretOUTSAt26, p=0.975, method="historical")
SEFP	27	155	1951	2018-09-27	2018-09-27	SEFPretOUTSAt27<-ln(SEFPapprx[155:1951]/lead(SEFPapprx[155:1951], 1))[1:1796]	datSEFPretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEFPretOUTSAt27))	SEFPESHIt27<-ES(datSEFPretOUTSAt27$rev.SEFPretOUTSAt27, p=0.975, method="historical")
SEFP	28	154	1950	2018-09-28	2018-09-28	SEFPretOUTSAt28<-ln(SEFPapprx[154:1950]/lead(SEFPapprx[154:1950], 1))[1:1796]	datSEFPretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEFPretOUTSAt28))	SEFPESHIt28<-ES(datSEFPretOUTSAt28$rev.SEFPretOUTSAt28, p=0.975, method="historical")
SEFP	29	153	1949	2018-09-29	2018-09-29	SEFPretOUTSAt29<-ln(SEFPapprx[153:1949]/lead(SEFPapprx[153:1949], 1))[1:1796]	datSEFPretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEFPretOUTSAt29))	SEFPESHIt29<-ES(datSEFPretOUTSAt29$rev.SEFPretOUTSAt29, p=0.975, method="historical")
SEFP	30	152	1948	2018-09-30	2018-09-30	SEFPretOUTSAt30<-ln(SEFPapprx[152:1948]/lead(SEFPapprx[152:1948], 1))[1:1796]	datSEFPretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEFPretOUTSAt30))	SEFPESHIt30<-ES(datSEFPretOUTSAt30$rev.SEFPretOUTSAt30, p=0.975, method="historical")
SEFP	31	151	1947	2018-10-01	2018-10-01	SEFPretOUTSAt31<-ln(SEFPapprx[151:1947]/lead(SEFPapprx[151:1947], 1))[1:1796]	datSEFPretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEFPretOUTSAt31))	SEFPESHIt31<-ES(datSEFPretOUTSAt31$rev.SEFPretOUTSAt31, p=0.975, method="historical")
SEFP	32	150	1946	2018-10-02	2018-10-02	SEFPretOUTSAt32<-ln(SEFPapprx[150:1946]/lead(SEFPapprx[150:1946], 1))[1:1796]	datSEFPretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEFPretOUTSAt32))	SEFPESHIt32<-ES(datSEFPretOUTSAt32$rev.SEFPretOUTSAt32, p=0.975, method="historical")
SEFP	33	149	1945	2018-10-03	2018-10-03	SEFPretOUTSAt33<-ln(SEFPapprx[149:1945]/lead(SEFPapprx[149:1945], 1))[1:1796]	datSEFPretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEFPretOUTSAt33))	SEFPESHIt33<-ES(datSEFPretOUTSAt33$rev.SEFPretOUTSAt33, p=0.975, method="historical")
SEFP	34	148	1944	2018-10-04	2018-10-04	SEFPretOUTSAt34<-ln(SEFPapprx[148:1944]/lead(SEFPapprx[148:1944], 1))[1:1796]	datSEFPretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEFPretOUTSAt34))	SEFPESHIt34<-ES(datSEFPretOUTSAt34$rev.SEFPretOUTSAt34, p=0.975, method="historical")
SEFP	35	147	1943	2018-10-05	2018-10-05	SEFPretOUTSAt35<-ln(SEFPapprx[147:1943]/lead(SEFPapprx[147:1943], 1))[1:1796]	datSEFPretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEFPretOUTSAt35))	SEFPESHIt35<-ES(datSEFPretOUTSAt35$rev.SEFPretOUTSAt35, p=0.975, method="historical")
SEFP	36	146	1942	2018-10-06	2018-10-06	SEFPretOUTSAt36<-ln(SEFPapprx[146:1942]/lead(SEFPapprx[146:1942], 1))[1:1796]	datSEFPretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEFPretOUTSAt36))	SEFPESHIt36<-ES(datSEFPretOUTSAt36$rev.SEFPretOUTSAt36, p=0.975, method="historical")
SEFP	37	145	1941	2018-10-07	2018-10-07	SEFPretOUTSAt37<-ln(SEFPapprx[145:1941]/lead(SEFPapprx[145:1941], 1))[1:1796]	datSEFPretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEFPretOUTSAt37))	SEFPESHIt37<-ES(datSEFPretOUTSAt37$rev.SEFPretOUTSAt37, p=0.975, method="historical")
SEFP	38	144	1940	2018-10-08	2018-10-08	SEFPretOUTSAt38<-ln(SEFPapprx[144:1940]/lead(SEFPapprx[144:1940], 1))[1:1796]	datSEFPretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEFPretOUTSAt38))	SEFPESHIt38<-ES(datSEFPretOUTSAt38$rev.SEFPretOUTSAt38, p=0.975, method="historical")
SEFP	39	143	1939	2018-10-09	2018-10-09	SEFPretOUTSAt39<-ln(SEFPapprx[143:1939]/lead(SEFPapprx[143:1939], 1))[1:1796]	datSEFPretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEFPretOUTSAt39))	SEFPESHIt39<-ES(datSEFPretOUTSAt39$rev.SEFPretOUTSAt39, p=0.975, method="historical")
SEFP	40	142	1938	2018-10-10	2018-10-10	SEFPretOUTSAt40<-ln(SEFPapprx[142:1938]/lead(SEFPapprx[142:1938], 1))[1:1796]	datSEFPretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEFPretOUTSAt40))	SEFPESHIt40<-ES(datSEFPretOUTSAt40$rev.SEFPretOUTSAt40, p=0.975, method="historical")
SEFP	41	141	1937	2018-10-11	2018-10-11	SEFPretOUTSAt41<-ln(SEFPapprx[141:1937]/lead(SEFPapprx[141:1937], 1))[1:1796]	datSEFPretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEFPretOUTSAt41))	SEFPESHIt41<-ES(datSEFPretOUTSAt41$rev.SEFPretOUTSAt41, p=0.975, method="historical")
SEFP	42	140	1936	2018-10-12	2018-10-12	SEFPretOUTSAt42<-ln(SEFPapprx[140:1936]/lead(SEFPapprx[140:1936], 1))[1:1796]	datSEFPretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEFPretOUTSAt42))	SEFPESHIt42<-ES(datSEFPretOUTSAt42$rev.SEFPretOUTSAt42, p=0.975, method="historical")
SEFP	43	139	1935	2018-10-13	2018-10-13	SEFPretOUTSAt43<-ln(SEFPapprx[139:1935]/lead(SEFPapprx[139:1935], 1))[1:1796]	datSEFPretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEFPretOUTSAt43))	SEFPESHIt43<-ES(datSEFPretOUTSAt43$rev.SEFPretOUTSAt43, p=0.975, method="historical")
SEFP	44	138	1934	2018-10-14	2018-10-14	SEFPretOUTSAt44<-ln(SEFPapprx[138:1934]/lead(SEFPapprx[138:1934], 1))[1:1796]	datSEFPretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEFPretOUTSAt44))	SEFPESHIt44<-ES(datSEFPretOUTSAt44$rev.SEFPretOUTSAt44, p=0.975, method="historical")
SEFP	45	137	1933	2018-10-15	2018-10-15	SEFPretOUTSAt45<-ln(SEFPapprx[137:1933]/lead(SEFPapprx[137:1933], 1))[1:1796]	datSEFPretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEFPretOUTSAt45))	SEFPESHIt45<-ES(datSEFPretOUTSAt45$rev.SEFPretOUTSAt45, p=0.975, method="historical")
SEFP	46	136	1932	2018-10-16	2018-10-16	SEFPretOUTSAt46<-ln(SEFPapprx[136:1932]/lead(SEFPapprx[136:1932], 1))[1:1796]	datSEFPretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEFPretOUTSAt46))	SEFPESHIt46<-ES(datSEFPretOUTSAt46$rev.SEFPretOUTSAt46, p=0.975, method="historical")
SEFP	47	135	1931	2018-10-17	2018-10-17	SEFPretOUTSAt47<-ln(SEFPapprx[135:1931]/lead(SEFPapprx[135:1931], 1))[1:1796]	datSEFPretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEFPretOUTSAt47))	SEFPESHIt47<-ES(datSEFPretOUTSAt47$rev.SEFPretOUTSAt47, p=0.975, method="historical")
SEFP	48	134	1930	2018-10-18	2018-10-18	SEFPretOUTSAt48<-ln(SEFPapprx[134:1930]/lead(SEFPapprx[134:1930], 1))[1:1796]	datSEFPretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEFPretOUTSAt48))	SEFPESHIt48<-ES(datSEFPretOUTSAt48$rev.SEFPretOUTSAt48, p=0.975, method="historical")
SEFP	49	133	1929	2018-10-19	2018-10-19	SEFPretOUTSAt49<-ln(SEFPapprx[133:1929]/lead(SEFPapprx[133:1929], 1))[1:1796]	datSEFPretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEFPretOUTSAt49))	SEFPESHIt49<-ES(datSEFPretOUTSAt49$rev.SEFPretOUTSAt49, p=0.975, method="historical")
SEFP	50	132	1928	2018-10-20	2018-10-20	SEFPretOUTSAt50<-ln(SEFPapprx[132:1928]/lead(SEFPapprx[132:1928], 1))[1:1796]	datSEFPretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEFPretOUTSAt50))	SEFPESHIt50<-ES(datSEFPretOUTSAt50$rev.SEFPretOUTSAt50, p=0.975, method="historical")
SEFP	51	131	1927	2018-10-21	2018-10-21	SEFPretOUTSAt51<-ln(SEFPapprx[131:1927]/lead(SEFPapprx[131:1927], 1))[1:1796]	datSEFPretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEFPretOUTSAt51))	SEFPESHIt51<-ES(datSEFPretOUTSAt51$rev.SEFPretOUTSAt51, p=0.975, method="historical")
SEFP	52	130	1926	2018-10-22	2018-10-22	SEFPretOUTSAt52<-ln(SEFPapprx[130:1926]/lead(SEFPapprx[130:1926], 1))[1:1796]	datSEFPretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEFPretOUTSAt52))	SEFPESHIt52<-ES(datSEFPretOUTSAt52$rev.SEFPretOUTSAt52, p=0.975, method="historical")
SEFP	53	129	1925	2018-10-23	2018-10-23	SEFPretOUTSAt53<-ln(SEFPapprx[129:1925]/lead(SEFPapprx[129:1925], 1))[1:1796]	datSEFPretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEFPretOUTSAt53))	SEFPESHIt53<-ES(datSEFPretOUTSAt53$rev.SEFPretOUTSAt53, p=0.975, method="historical")
SEFP	54	128	1924	2018-10-24	2018-10-24	SEFPretOUTSAt54<-ln(SEFPapprx[128:1924]/lead(SEFPapprx[128:1924], 1))[1:1796]	datSEFPretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEFPretOUTSAt54))	SEFPESHIt54<-ES(datSEFPretOUTSAt54$rev.SEFPretOUTSAt54, p=0.975, method="historical")
SEFP	55	127	1923	2018-10-25	2018-10-25	SEFPretOUTSAt55<-ln(SEFPapprx[127:1923]/lead(SEFPapprx[127:1923], 1))[1:1796]	datSEFPretOUTSAt55<- data

SEFP	112	70	1866	2018-12-21	2018-12-21	SEFPretOUTSAt112<-ln(SEFPapprx[70:1866]/lead(SEFPapprx[70:1866], 1))[1:1796]	datSEFPretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEFPretOUTSAt112))	SEFPESHIt112<-ES(datSEFPretOUTSAt112$rev.SEFPretOUTSAt112, p=0.975, method="historical")
SEFP	113	69	1865	2018-12-22	2018-12-22	SEFPretOUTSAt113<-ln(SEFPapprx[69:1865]/lead(SEFPapprx[69:1865], 1))[1:1796]	datSEFPretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEFPretOUTSAt113))	SEFPESHIt113<-ES(datSEFPretOUTSAt113$rev.SEFPretOUTSAt113, p=0.975, method="historical")
SEFP	114	68	1864	2018-12-23	2018-12-23	SEFPretOUTSAt114<-ln(SEFPapprx[68:1864]/lead(SEFPapprx[68:1864], 1))[1:1796]	datSEFPretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEFPretOUTSAt114))	SEFPESHIt114<-ES(datSEFPretOUTSAt114$rev.SEFPretOUTSAt114, p=0.975, method="historical")
SEFP	115	67	1863	2018-12-24	2018-12-24	SEFPretOUTSAt115<-ln(SEFPapprx[67:1863]/lead(SEFPapprx[67:1863], 1))[1:1796]	datSEFPretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEFPretOUTSAt115))	SEFPESHIt115<-ES(datSEFPretOUTSAt115$rev.SEFPretOUTSAt115, p=0.975, method="historical")
SEFP	116	66	1862	2018-12-25	2018-12-25	SEFPretOUTSAt116<-ln(SEFPapprx[66:1862]/lead(SEFPapprx[66:1862], 1))[1:1796]	datSEFPretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEFPretOUTSAt116))	SEFPESHIt116<-ES(datSEFPretOUTSAt116$rev.SEFPretOUTSAt116, p=0.975, method="historical")
SEFP	117	65	1861	2018-12-26	2018-12-26	SEFPretOUTSAt117<-ln(SEFPapprx[65:1861]/lead(SEFPapprx[65:1861], 1))[1:1796]	datSEFPretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEFPretOUTSAt117))	SEFPESHIt117<-ES(datSEFPretOUTSAt117$rev.SEFPretOUTSAt117, p=0.975, method="historical")
SEFP	118	64	1860	2018-12-27	2018-12-27	SEFPretOUTSAt118<-ln(SEFPapprx[64:1860]/lead(SEFPapprx[64:1860], 1))[1:1796]	datSEFPretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEFPretOUTSAt118))	SEFPESHIt118<-ES(datSEFPretOUTSAt118$rev.SEFPretOUTSAt118, p=0.975, method="historical")
SEFP	119	63	1859	2018-12-28	2018-12-28	SEFPretOUTSAt119<-ln(SEFPapprx[63:1859]/lead(SEFPapprx[63:1859], 1))[1:1796]	datSEFPretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEFPretOUTSAt119))	SEFPESHIt119<-ES(datSEFPretOUTSAt119$rev.SEFPretOUTSAt119, p=0.975, method="historical")
SEFP	120	62	1858	2018-12-29	2018-12-29	SEFPretOUTSAt120<-ln(SEFPapprx[62:1858]/lead(SEFPapprx[62:1858], 1))[1:1796]	datSEFPretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEFPretOUTSAt120))	SEFPESHIt120<-ES(datSEFPretOUTSAt120$rev.SEFPretOUTSAt120, p=0.975, method="historical")
SEFP	121	61	1857	2018-12-30	2018-12-30	SEFPretOUTSAt121<-ln(SEFPapprx[61:1857]/lead(SEFPapprx[61:1857], 1))[1:1796]	datSEFPretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEFPretOUTSAt121))	SEFPESHIt121<-ES(datSEFPretOUTSAt121$rev.SEFPretOUTSAt121, p=0.975, method="historical")
SEFP	122	60	1856	2018-12-31	2018-12-31	SEFPretOUTSAt122<-ln(SEFPapprx[60:1856]/lead(SEFPapprx[60:1856], 1))[1:1796]	datSEFPretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEFPretOUTSAt122))	SEFPESHIt122<-ES(datSEFPretOUTSAt122$rev.SEFPretOUTSAt122, p=0.975, method="historical")
SEFP	123	59	1855	2019-01-01	2019-01-01	SEFPretOUTSAt123<-ln(SEFPapprx[59:1855]/lead(SEFPapprx[59:1855], 1))[1:1796]	datSEFPretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEFPretOUTSAt123))	SEFPESHIt123<-ES(datSEFPretOUTSAt123$rev.SEFPretOUTSAt123, p=0.975, method="historical")
SEFP	124	58	1854	2019-01-02	2019-01-02	SEFPretOUTSAt124<-ln(SEFPapprx[58:1854]/lead(SEFPapprx[58:1854], 1))[1:1796]	datSEFPretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEFPretOUTSAt124))	SEFPESHIt124<-ES(datSEFPretOUTSAt124$rev.SEFPretOUTSAt124, p=0.975, method="historical")
SEFP	125	57	1853	2019-01-03	2019-01-03	SEFPretOUTSAt125<-ln(SEFPapprx[57:1853]/lead(SEFPapprx[57:1853], 1))[1:1796]	datSEFPretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEFPretOUTSAt125))	SEFPESHIt125<-ES(datSEFPretOUTSAt125$rev.SEFPretOUTSAt125, p=0.975, method="historical")
SEFP	126	56	1852	2019-01-04	2019-01-04	SEFPretOUTSAt126<-ln(SEFPapprx[56:1852]/lead(SEFPapprx[56:1852], 1))[1:1796]	datSEFPretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEFPretOUTSAt126))	SEFPESHIt126<-ES(datSEFPretOUTSAt126$rev.SEFPretOUTSAt126, p=0.975, method="historical")
SEFP	127	55	1851	2019-01-05	2019-01-05	SEFPretOUTSAt127<-ln(SEFPapprx[55:1851]/lead(SEFPapprx[55:1851], 1))[1:1796]	datSEFPretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEFPretOUTSAt127))	SEFPESHIt127<-ES(datSEFPretOUTSAt127$rev.SEFPretOUTSAt127, p=0.975, method="historical")
SEFP	128	54	1850	2019-01-06	2019-01-06	SEFPretOUTSAt128<-ln(SEFPapprx[54:1850]/lead(SEFPapprx[54:1850], 1))[1:1796]	datSEFPretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEFPretOUTSAt128))	SEFPESHIt128<-ES(datSEFPretOUTSAt128$rev.SEFPretOUTSAt128, p=0.975, method="historical")
SEFP	129	53	1849	2019-01-07	2019-01-07	SEFPretOUTSAt129<-ln(SEFPapprx[53:1849]/lead(SEFPapprx[53:1849], 1))[1:1796]	datSEFPretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEFPretOUTSAt129))	SEFPESHIt129<-ES(datSEFPretOUTSAt129$rev.SEFPretOUTSAt129, p=0.975, method="historical")
SEFP	130	52	1848	2019-01-08	2019-01-08	SEFPretOUTSAt130<-ln(SEFPapprx[52:1848]/lead(SEFPapprx[52:1848], 1))[1:1796]	datSEFPretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEFPretOUTSAt130))	SEFPESHIt130<-ES(datSEFPretOUTSAt130$rev.SEFPretOUTSAt130, p=0.975, method="historical")
SEFP	131	51	1847	2019-01-09	2019-01-09	SEFPretOUTSAt131<-ln(SEFPapprx[51:1847]/lead(SEFPapprx[51:1847], 1))[1:1796]	datSEFPretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEFPretOUTSAt131))	SEFPESHIt131<-ES(datSEFPretOUTSAt131$rev.SEFPretOUTSAt131, p=0.975, method="historical")
SEFP	132	50	1846	2019-01-10	2019-01-10	SEFPretOUTSAt132<-ln(SEFPapprx[50:1846]/lead(SEFPapprx[50:1846], 1))[1:1796]	datSEFPretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEFPretOUTSAt132))	SEFPESHIt132<-ES(datSEFPretOUTSAt132$rev.SEFPretOUTSAt132, p=0.975, method="historical")
SEFP	133	49	1845	2019-01-11	2019-01-11	SEFPretOUTSAt133<-ln(SEFPapprx[49:1845]/lead(SEFPapprx[49:1845], 1))[1:1796]	datSEFPretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEFPretOUTSAt133))	SEFPESHIt133<-ES(datSEFPretOUTSAt133$rev.SEFPretOUTSAt133, p=0.975, method="historical")
SEFP	134	48	1844	2019-01-12	2019-01-12	SEFPretOUTSAt134<-ln(SEFPapprx[48:1844]/lead(SEFPapprx[48:1844], 1))[1:1796]	datSEFPretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEFPretOUTSAt134))	SEFPESHIt134<-ES(datSEFPretOUTSAt134$rev.SEFPretOUTSAt134, p=0.975, method="historical")
SEFP	135	47	1843	2019-01-13	2019-01-13	SEFPretOUTSAt135<-ln(SEFPapprx[47:1843]/lead(SEFPapprx[47:1843], 1))[1:1796]	datSEFPretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEFPretOUTSAt135))	SEFPESHIt135<-ES(datSEFPretOUTSAt135$rev.SEFPretOUTSAt135, p=0.975, method="historical")
SEFP	136	46	1842	2019-01-14	2019-01-14	SEFPretOUTSAt136<-ln(SEFPapprx[46:1842]/lead(SEFPapprx[46:1842], 1))[1:1796]	datSEFPretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEFPretOUTSAt136))	SEFPESHIt136<-ES(datSEFPretOUTSAt136$rev.SEFPretOUTSAt136, p=0.975, method="historical")
SEFP	137	45	1841	2019-01-15	2019-01-15	SEFPretOUTSAt137<-ln(SEFPapprx[45:1841]/lead(SEFPapprx[45:1841], 1))[1:1796]	datSEFPretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEFPretOUTSAt137))	SEFPESHIt137<-ES(datSEFPretOUTSAt137$rev.SEFPretOUTSAt137, p=0.975, method="historical")
SEFP	138	44	1840	2019-01-16	2019-01-16	SEFPretOUTSAt138<-ln(SEFPapprx[44:1840]/lead(SEFPapprx[44:1840], 1))[1:1796]	datSEFPretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEFPretOUTSAt138))	SEFPESHIt138<-ES(datSEFPretOUTSAt138$rev.SEFPretOUTSAt138, p=0.975, method="historical")
SEFP	139	43	1839	2019-01-17	2019-01-17	SEFPretOUTSAt139<-ln(SEFPapprx[43:1839]/lead(SEFPapprx[43:1839], 1))[1:1796]	datSEFPretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEFPretOUTSAt139))	SEFPESHIt139<-ES(datSEFPretOUTSAt139$rev.SEFPretOUTSAt139, p=0.975, method="historical")
SEFP	140	42	1838	2019-01-18	2019-01-18	SEFPretOUTSAt140<-ln(SEFPapprx[42:1838]/lead(SEFPapprx[42:1838], 1))[1:1796]	datSEFPretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEFPretOUTSAt140))	SEFPESHIt140<-ES(datSEFPretOUTSAt140$rev.SEFPretOUTSAt140, p=0.975, method="historical")
SEFP	141	41	1837	2019-01-19	2019-01-19	SEFPretOUTSAt141<-ln(SEFPapprx[41:1837]/lead(SEFPapprx[41:1837], 1))[1:1796]	datSEFPretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEFPretOUTSAt141))	SEFPESHIt141<-ES(datSEFPretOUTSAt141$rev.SEFPretOUTSAt141, p=0.975, method="historical")
SEFP	142	40	1836	2019-01-20	2019-01-20	SEFPretOUTSAt142<-ln(SEFPapprx[40:1836]/lead(SEFPapprx[40:1836], 1))[1:1796]	datSEFPretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEFPretOUTSAt142))	SEFPESHIt142<-ES(datSEFPretOUTSAt142$rev.SEFPretOUTSAt142, p=0.975, method="historical")
SEFP	143	39	1835	2019-01-21	2019-01-21	SEFPretOUTSAt143<-ln(SEFPapprx[39:1835]/lead(SEFPapprx[39:1835], 1))[1:1796]	datSEFPretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEFPretOUTSAt143))	SEFPESHIt143<-ES(datSEFPretOUTSAt143$rev.SEFPretOUTSAt143, p=0.975, method="historical")
SEFP	144	38	1834	2019-01-22	2019-01-22	SEFPretOUTSAt144<-ln(SEFPapprx[38:1834]/lead(SEFPapprx[38:1834], 1))[1:1796]	datSEFPretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEFPretOUTSAt144))	SEFPESHIt144<-ES(datSEFPretOUTSAt144$rev.SEFPretOUTSAt144, p=0.975, method="historical")
SEFP	145	37	1833	2019-01-23	2019-01-23	SEFPretOUTSAt145<-ln(SEFPapprx[37:1833]/lead(SEFPapprx[37:1833], 1))[1:1796]	datSEFPretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEFPretOUTSAt145))	SEFPESHIt145<-ES(datSEFPretOUTSAt145$rev.SEFPretOUTSAt145, p=0.975, method="historical")
SEFP	146	36	1832	2019-01-24	2019-01-24	SEFPretOUTSAt146<-ln(SEFPapprx[36:1832]/lead(SEFPapprx[36:1832], 1))[1:1796]	datSEFPretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEFPretOUTSAt146))	SEFPESHIt146<-ES(datSEFPretOUTSAt146$rev.SEFPretOUTSAt146, p=0.975, method="historical")
SEFP	147	35	1831	2019-01-25	2019-01-25	SEFPretOUTSAt147<-ln(SEFPapprx[35:1831]/lead(SEFPapprx[35:1831], 1))[1:1796]	datSEFPretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEFPretOUTSAt147))	SEFPESHIt147<-ES(datSEFPretOUTSAt147$rev.SEFPretOUTSAt147, p=0.975, method="historical")
SEFP	148	34	1830	2019-01-26	2019-01-26	SEFPretOUTSAt148<-ln(SEFPapprx[34:1830]/lead(SEFPapprx[34:1830], 1))[1:1796]	datSEFPretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEFPretOUTSAt148))	SEFPESHIt148<-ES(datSEFPretOUTSAt148$rev.SEFPretOUTSAt148, p=0.975, method="historical")
SEFP	149	33	1829	2019-01-27	2019-01-27	SEFPretOUTSAt149<-ln(SEFPapprx[33:1829]/lead(SEFPapprx[33:1829], 1))[1:1796]	datSEFPretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEFPretOUTSAt149))	SEFPESHIt149<-ES(datSEFPretOUTSAt149$rev.SEFPretOUTSAt149, p=0.975, method="historical")
SEFP	150	32	1828	2019-01-28	2019-01-28	SEFPretOUTSAt150<-ln(SEFPapprx[32:1828]/lead(SEFPapprx[32:1828], 1))[1:1796]	datSEFPretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEFPretOUTSAt150))	SEFPESHIt150<-ES(datSEFPretOUTSAt150$rev.SEFPretOUTSAt150, p=0.975, method="historical")
SEFP	151	31	1827	2019-01-29	2019-01-29	SEFPretOUTSAt151<-ln(SEFPapprx[31:1827]/lead(SEFPapprx[31:1827], 1))[1:1796]	datSEFPretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEFPretOUTSAt151))	SEFPESHIt151<-ES(datSEFPretOUTSAt151$rev.SEFPretOUTSAt151, p=0.975, method="historical")
SEFP	152	30	1826	2019-01-30	2019-01-30	SEFPretOUTSAt152<-ln(SEFPapprx[30:1826]/lead(SEFPapprx[30:1826], 1))[1:1796]	datSEFPretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEFPretOUTSAt152))	SEFPESHIt152<-ES(datSEFPretOUTSAt152$rev.SEFPretOUTSAt152, p=0.975, method="historical")
SEFP	153	29	1825	2019-01-31	2019-01-31	SEFPretOUTSAt153<-ln(SEFPapprx[29:1825]/lead(SEFPapprx[29:1825], 1))[1:1796]	datSEFPretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEFPretOUTSAt153))	SEFPESHIt153<-ES(datSEFPretOUTSAt153$rev.SEFPretOUTSAt153, p=0.975, method="historical")
SEFP	154	28	1824	2019-02-01	2019-02-01	SEFPretOUTSAt154<-ln(SEFPapprx[28:1824]/lead(SEFPapprx[28:1824], 1))[1:1796]	datSEFPretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEFPretOUTSAt154))	SEFPESHIt154<-ES(datSEFPretOUTSAt154$rev.SEFPretOUTSAt154, p=0.975, method="historical")
SEFP	155	27	1823	2019-02-02	2019-02-02	SEFPretOUTSAt155<-ln(SEFPapprx[27:1823]/lead(SEFPapprx[27:1823], 1))[1:1796]	datSEFPretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEFPretOUTSAt155))	SEFPESHIt155<-ES(datSEFPretOUTSAt155$rev.SEFPretOUTSAt155, p=0.975, method="historical")
SEFP	156	26	1822	2019-02-03	2019-02-03	SEFPretOUTSAt156<-ln(SEFPapprx[26:1822]/lead(SEFPapprx[26:1822], 1))[1:1796]	datSEFPretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEFPretOUTSAt156))	SEFPESHIt156<-ES(datSEFPretOUTSAt156$rev.SEFPretOUTSAt156, p=0.975, method="historical")
SEFP	157	25	1821	2019-02-04	2019-02-04	SEFPretOUTSAt157<-ln(SEFPapprx[25:1821]/lead(SEFPapprx[25:1821], 1))[1:1796]	datSEFPretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEFPretOUTSAt157))	SEFPESHIt157<-ES(datSEFPretOUTSAt157$rev.SEFPretOUTSAt157, p=0.975, method="historical")
SEFP	158	24	1820	2019-02-05	2019-02-05	SEFPretOUTSAt158<-ln(SEFPapprx[24:1820]/lead(SEFPapprx[24:1820], 1))[1:1796]	datSEFPretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEFPretOUTSAt158))	SEFPESHIt158<-ES(datSEFPretOUTSAt158$rev.SEFPretOUTSAt158, p=0.975, method="historical")
SEFP	159	23	1819	2019-02-06	2019-02-06	SEFPretOUTSAt159<-ln(SEFPapprx[23:1819]/lead(SEFPapprx[23:1819], 1))[1:1796]	datSEFPretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEFPretOUTSAt159))	SEFPESHIt159<-ES(datSEFPretOUTSAt159$rev.SEFPretOUTSAt159, p=0.975, method="historical")
SEFP	160	22	1818	2019-02-07	2019-02-07	SEFPretOUTSAt160<-ln(SEFPapprx[22:1818]/lead(SEFPapprx[22:1818], 1))[1:1796]	datSEFPretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEFPretOUTSAt160))	SEFPESHIt160<-ES(datSEFPretOUTSAt160$rev.SEFPretOUTSAt160, p=0.975, method="historical")
SEFP	161	21	1817	2019-02-08	2019-02-08	SEFPretOUTSAt161<-ln(SEFPapprx[21:1817]/lead(SEFPapprx[21:1817], 1))[1:1796]	datSEFPretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEFPretOUTSAt161))	SEFPESHIt161<-ES(datSEFPretOUTSAt161$rev.SEFPretOUTSAt161, p=0.975, method="historical")
SEFP	162	20	1816	2019-02-09	2019-02-09	SEFPretOUTSAt162<-ln(SEFPapprx[20:1816]/lead(SEFPapprx[20:1816], 1))[1:1796]	datSEFPretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEFPretOUTSAt162))	SEFPESHIt162<-ES(datSEFPretOUTSAt162$rev.SEFPretOUTSAt162, p=0.975, method="historical")
SEFP	163	19	1815	2019-02-10	2019-02-10	SEFPretOUTSAt163<-ln(SEFPapprx[19:1815]/lead(SEFPapprx[19:1815], 1))[1:1796]	datSEFPretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEFPretOUTSAt163))	SEFPESHIt163<-ES(datSEFPretOUTSAt163$rev.SEFPretOUTSAt163, p=0.975, method="historical")
SEFP	164	18	1814	2019-02-11	2019-02-11	SEFPretOUTSAt164<-ln(SEFPapprx[18:1814]/lead(SEFPapprx[18:1814], 1))[1:1796]	datSEFPretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEFPretOUTSAt164))	SEFPESHIt164<-ES(datSEFPretOUTSAt164$rev.SEFPretOUTSAt164, p=0.975, method="historical")
SEFP	165	17	1813	2019-02-12	2019-02-12	SEFPretOUTSAt165<-ln(SEFPapprx[17:1813]/lead(SEFPapprx[17:1813], 1))[1:1796]	datSEFPretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEFPretOUTSAt165))	SEFPESHIt165<-ES(datSEFPretOUTSAt165$rev.SEFPretOUTSAt165, p=0.975, method="historical")
SEFP	166	16	1812	2019-02-13	2019-02-13	SEFPretOUTSAt166<-ln(SEFPapprx[16:1812]/lead(SEFPapprx[16:1812], 1))[1:1796]	datSEFPretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEFPretOUTSAt166))	SEFPESHIt166<-ES(datSEFPretOUTSAt166$rev.SEFPretOUTSAt166, p=0.975, method="historical")
SEFP	167	15	1811	2019-02-14	2019-02-14	SEFPretOUTSAt167<-ln(SEFPapprx[15:1811]/lead(SEFPapprx[15:1811], 1))[1:1796]	datSEFPretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEFPretOUTSAt167))	SEFPESHIt167<-ES(datSEFPretOUTSAt167$rev.SEFPretOUTSAt167, p=0.975, method="historical")
SEFP	168	14	1810	2019-02-15	2019-02-15	SEFPretOUTSAt168<-ln(SEFPapprx[14:1810]/lead(SEFPapprx[14:1810], 1))[1:1796]	datSEFPretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEFPretOUTSAt168))	SEFPESHIt168<-ES(datSEFPretOUTSAt168$rev.SEFPretOUTSAt168, p=0.975, method="historical")
SEFP	169	13	1809	2019-02-16	2019-02-16	SEFPretOUTSAt169<-ln(SEFPapprx[13:1809]/lead(SEFPapprx[13:1809], 1))[1:1796]	datSEFPretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEFPretOUTSAt169))	SEFPESHIt169<-ES(datSEFPretOUTSAt169$rev.SEFPretOUTSAt169, p=0.975, method="historical")
SEFP	170	12	1808	2019-02-17	2019-02-17	SEFPretOUTSAt170<-ln(SEFPapprx[12:1808]/lead(SEFPapprx[12:1808], 1))[1:1796]	datSEFPretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SEFPretOUTSAt170))	SEFPESHIt170<-ES(datSEFPretOUTSAt170$rev.SEFPretOUTSAt170, p=0.975, method="historical")
SEFP	171	11	1807	2019-02-18	2019-02-18	SEFPretOUTSAt171<-ln(SEFPapprx[11:1807]/lead(SEFPapprx[11:1807], 1))[1:1796]	datSEFPretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SEFPretOUTSAt171))	SEFPESHIt171<-ES(datSEFPretOUTSAt171$rev.SEFPretOUTSAt171, p=0.975, method="historical")
SEFP	172	10	1806	2019-02-19	2019-02-19	SEFPretOUTSAt172<-ln(SEFPapprx[10:1806]/lead(SEFPapprx[10:1806], 1))[1:1796]	datSEFPretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEFPretOUTSAt172))	SEFPESHIt172<-ES(datSEFPretOUTSAt172$rev.SEFPretOUTSAt172, p=0.975, method="historical")
SEFP	173	9	1805	2019-02-20	2019-02-20	SEFPretOUTSAt173<-ln(SEFPapprx[9:1805]/lead(SEFPapprx[9:1805], 1))[1:1796]	datSEFPretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEFPretOUTSAt173))	SEFPESHIt173<-ES(datSEFPretOUTSAt173$rev.SEFPretOUTSAt173, p=0.975, method="historical")
SEFP	174	8	1804	2019-02-21	2019-02-21	SEFPretOUTSAt174<-ln(SEFPapprx[8:1804]/lead(SEFPapprx[8:1804], 1))[1:1796]	datSEFPretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEFPretOUTSAt174))	SEFPESHIt174<-ES(datSEFPretOUTSAt174$rev.SEFPretOUTSAt174, p=0.975, method="historical")
SEFP	175	7	1803	2019-02-22	2019-02-22	SEFPretOUTSAt175<-ln(SEFPapprx[7:1803]/lead(SEFPapprx[7:1803], 1))[1:1796]	datSEFPretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEFPretOUTSAt175))	SEFPESHIt175<-ES(datSEFPretOUTSAt175$rev.SEFPretOUTSAt175, p=0.975, method="historical")
SEFP	176	6	1802	2019-02-23	2019-02-23	SEFPretOUTSAt176<-ln(SEFPapprx[6:1802]/lead(SEFPapprx[6:1802], 1))[1:1796]	datSEFPretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEFPretOUTSAt176))	SEFPESHIt176<-ES(datSEFPretOUTSAt176$rev.SEFPretOUTSAt176, p=0.975, method="historical")
SEFP	177	5	1801	2019-02-24	2019-02-24	SEFPretOUTSAt177<-ln(SEFPapprx[5:1801]/lead(SEFPapprx[5:1801], 1))[1:1796]	datSEFPretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEFPretOUTSAt177))	SEFPESHIt177<-ES(datSEFPretOUTSAt177$rev.SEFPretOUTSAt177, p=0.975, method="historical")
SEFP	178	4	1800	2019-02-25	2019-02-25	SEFPretOUTSAt178<-ln(SEFPapprx[4:1800]/lead(SEFPapprx[4:1800], 1))[1:1796]	datSEFPretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEFPretOUTSAt178))	SEFPESHIt178<-ES(datSEFPretOUTSAt178$rev.SEFPretOUTSAt178, p=0.975, method="historical")
SEFP	179	3	1799	2019-02-26	2019-02-26	SEFPretOUTSAt179<-ln(SEFPapprx[3:1799]/lead(SEFPapprx[3:1799], 1))[1:1796]	datSEFPretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEFPretOUTSAt179))	SEFPESHIt179<-ES(datSEFPretOUTSAt179$rev.SEFPretOUTSAt179, p=0.975, method="historical")
SEFP	180	2	1798	2019-02-27	2019-02-27	SEFPretOUTSAt180<-ln(SEFPapprx[2:1798]/lead(SEFPapprx[2:1798], 1))[1:1796]	datSEFPretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEFPretOUTSAt180))	SEFPESHIt180<-ES(datSEFPretOUTSAt180$rev.SEFPretOUTSAt180, p=0.975, method="historical")
SEFP	181	1	1797	2019-02-28	2019-02-28	SEFPretOUTSAt181<-ln(SEFPapprx[1:1797]/lead(SEFPapprx[1:1797], 1))[1:1796]	datSEFPretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEFPretOUTSAt181))	SEFPESHIt181<-ES(datSEFPretOUTSAt181$rev.SEFPretOUTSAt181, p=0.975, method="historical")
SEEC								
SEEC	1	181	1977	2018-09-01	2018-09-01	SEECretOUTSAt1<-ln(SEECapprx[181:1977]/lead(SEECapprx[181:1977], 1))[1:1796]	datSEECretOUTSAt1<- data.frame

SEEC	58	124	1920	2018-10-28	2018-10-28	SEECretOUTSAt58<-ln(SEECaprx[124:1920]/lead(SEECaprx[124:1920], 1))[1:1796]	datSEECretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEECretOUTSAt58))	SEECESHIt58<-ES(datSEECretOUTSAt58$rev.SEECretOUTSAt58, p=0.975, method="historical")
SEEC	59	123	1919	2018-10-29	2018-10-29	SEECretOUTSAt59<-ln(SEECaprx[123:1919]/lead(SEECaprx[123:1919], 1))[1:1796]	datSEECretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEECretOUTSAt59))	SEECESHIt59<-ES(datSEECretOUTSAt59$rev.SEECretOUTSAt59, p=0.975, method="historical")
SEEC	60	122	1918	2018-10-30	2018-10-30	SEECretOUTSAt60<-ln(SEECaprx[122:1918]/lead(SEECaprx[122:1918], 1))[1:1796]	datSEECretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEECretOUTSAt60))	SEECESHIt60<-ES(datSEECretOUTSAt60$rev.SEECretOUTSAt60, p=0.975, method="historical")
SEEC	61	121	1917	2018-10-31	2018-10-31	SEECretOUTSAt61<-ln(SEECaprx[121:1917]/lead(SEECaprx[121:1917], 1))[1:1796]	datSEECretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEECretOUTSAt61))	SEECESHIt61<-ES(datSEECretOUTSAt61$rev.SEECretOUTSAt61, p=0.975, method="historical")
SEEC	62	120	1916	2018-11-01	2018-11-01	SEECretOUTSAt62<-ln(SEECaprx[120:1916]/lead(SEECaprx[120:1916], 1))[1:1796]	datSEECretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEECretOUTSAt62))	SEECESHIt62<-ES(datSEECretOUTSAt62$rev.SEECretOUTSAt62, p=0.975, method="historical")
SEEC	63	119	1915	2018-11-02	2018-11-02	SEECretOUTSAt63<-ln(SEECaprx[119:1915]/lead(SEECaprx[119:1915], 1))[1:1796]	datSEECretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEECretOUTSAt63))	SEECESHIt63<-ES(datSEECretOUTSAt63$rev.SEECretOUTSAt63, p=0.975, method="historical")
SEEC	64	118	1914	2018-11-03	2018-11-03	SEECretOUTSAt64<-ln(SEECaprx[118:1914]/lead(SEECaprx[118:1914], 1))[1:1796]	datSEECretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SEECretOUTSAt64))	SEECESHIt64<-ES(datSEECretOUTSAt64$rev.SEECretOUTSAt64, p=0.975, method="historical")
SEEC	65	117	1913	2018-11-04	2018-11-04	SEECretOUTSAt65<-ln(SEECaprx[117:1913]/lead(SEECaprx[117:1913], 1))[1:1796]	datSEECretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SEECretOUTSAt65))	SEECESHIt65<-ES(datSEECretOUTSAt65$rev.SEECretOUTSAt65, p=0.975, method="historical")
SEEC	66	116	1912	2018-11-05	2018-11-05	SEECretOUTSAt66<-ln(SEECaprx[116:1912]/lead(SEECaprx[116:1912], 1))[1:1796]	datSEECretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SEECretOUTSAt66))	SEECESHIt66<-ES(datSEECretOUTSAt66$rev.SEECretOUTSAt66, p=0.975, method="historical")
SEEC	67	115	1911	2018-11-06	2018-11-06	SEECretOUTSAt67<-ln(SEECaprx[115:1911]/lead(SEECaprx[115:1911], 1))[1:1796]	datSEECretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEECretOUTSAt67))	SEECESHIt67<-ES(datSEECretOUTSAt67$rev.SEECretOUTSAt67, p=0.975, method="historical")
SEEC	68	114	1910	2018-11-07	2018-11-07	SEECretOUTSAt68<-ln(SEECaprx[114:1910]/lead(SEECaprx[114:1910], 1))[1:1796]	datSEECretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEECretOUTSAt68))	SEECESHIt68<-ES(datSEECretOUTSAt68$rev.SEECretOUTSAt68, p=0.975, method="historical")
SEEC	69	113	1909	2018-11-08	2018-11-08	SEECretOUTSAt69<-ln(SEECaprx[113:1909]/lead(SEECaprx[113:1909], 1))[1:1796]	datSEECretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEECretOUTSAt69))	SEECESHIt69<-ES(datSEECretOUTSAt69$rev.SEECretOUTSAt69, p=0.975, method="historical")
SEEC	70	112	1908	2018-11-09	2018-11-09	SEECretOUTSAt70<-ln(SEECaprx[112:1908]/lead(SEECaprx[112:1908], 1))[1:1796]	datSEECretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEECretOUTSAt70))	SEECESHIt70<-ES(datSEECretOUTSAt70$rev.SEECretOUTSAt70, p=0.975, method="historical")
SEEC	71	111	1907	2018-11-10	2018-11-10	SEECretOUTSAt71<-ln(SEECaprx[111:1907]/lead(SEECaprx[111:1907], 1))[1:1796]	datSEECretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEECretOUTSAt71))	SEECESHIt71<-ES(datSEECretOUTSAt71$rev.SEECretOUTSAt71, p=0.975, method="historical")
SEEC	72	110	1906	2018-11-11	2018-11-11	SEECretOUTSAt72<-ln(SEECaprx[110:1906]/lead(SEECaprx[110:1906], 1))[1:1796]	datSEECretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEECretOUTSAt72))	SEECESHIt72<-ES(datSEECretOUTSAt72$rev.SEECretOUTSAt72, p=0.975, method="historical")
SEEC	73	109	1905	2018-11-12	2018-11-12	SEECretOUTSAt73<-ln(SEECaprx[109:1905]/lead(SEECaprx[109:1905], 1))[1:1796]	datSEECretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEECretOUTSAt73))	SEECESHIt73<-ES(datSEECretOUTSAt73$rev.SEECretOUTSAt73, p=0.975, method="historical")
SEEC	74	108	1904	2018-11-13	2018-11-13	SEECretOUTSAt74<-ln(SEECaprx[108:1904]/lead(SEECaprx[108:1904], 1))[1:1796]	datSEECretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SEECretOUTSAt74))	SEECESHIt74<-ES(datSEECretOUTSAt74$rev.SEECretOUTSAt74, p=0.975, method="historical")
SEEC	75	107	1903	2018-11-14	2018-11-14	SEECretOUTSAt75<-ln(SEECaprx[107:1903]/lead(SEECaprx[107:1903], 1))[1:1796]	datSEECretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SEECretOUTSAt75))	SEECESHIt75<-ES(datSEECretOUTSAt75$rev.SEECretOUTSAt75, p=0.975, method="historical")
SEEC	76	106	1902	2018-11-15	2018-11-15	SEECretOUTSAt76<-ln(SEECaprx[106:1902]/lead(SEECaprx[106:1902], 1))[1:1796]	datSEECretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEECretOUTSAt76))	SEECESHIt76<-ES(datSEECretOUTSAt76$rev.SEECretOUTSAt76, p=0.975, method="historical")
SEEC	77	105	1901	2018-11-16	2018-11-16	SEECretOUTSAt77<-ln(SEECaprx[105:1901]/lead(SEECaprx[105:1901], 1))[1:1796]	datSEECretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEECretOUTSAt77))	SEECESHIt77<-ES(datSEECretOUTSAt77$rev.SEECretOUTSAt77, p=0.975, method="historical")
SEEC	78	104	1900	2018-11-17	2018-11-17	SEECretOUTSAt78<-ln(SEECaprx[104:1900]/lead(SEECaprx[104:1900], 1))[1:1796]	datSEECretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEECretOUTSAt78))	SEECESHIt78<-ES(datSEECretOUTSAt78$rev.SEECretOUTSAt78, p=0.975, method="historical")
SEEC	79	103	1899	2018-11-18	2018-11-18	SEECretOUTSAt79<-ln(SEECaprx[103:1899]/lead(SEECaprx[103:1899], 1))[1:1796]	datSEECretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEECretOUTSAt79))	SEECESHIt79<-ES(datSEECretOUTSAt79$rev.SEECretOUTSAt79, p=0.975, method="historical")
SEEC	80	102	1898	2018-11-19	2018-11-19	SEECretOUTSAt80<-ln(SEECaprx[102:1898]/lead(SEECaprx[102:1898], 1))[1:1796]	datSEECretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEECretOUTSAt80))	SEECESHIt80<-ES(datSEECretOUTSAt80$rev.SEECretOUTSAt80, p=0.975, method="historical")
SEEC	81	101	1897	2018-11-20	2018-11-20	SEECretOUTSAt81<-ln(SEECaprx[101:1897]/lead(SEECaprx[101:1897], 1))[1:1796]	datSEECretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEECretOUTSAt81))	SEECESHIt81<-ES(datSEECretOUTSAt81$rev.SEECretOUTSAt81, p=0.975, method="historical")
SEEC	82	100	1896	2018-11-21	2018-11-21	SEECretOUTSAt82<-ln(SEECaprx[100:1896]/lead(SEECaprx[100:1896], 1))[1:1796]	datSEECretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEECretOUTSAt82))	SEECESHIt82<-ES(datSEECretOUTSAt82$rev.SEECretOUTSAt82, p=0.975, method="historical")
SEEC	83	99	1895	2018-11-22	2018-11-22	SEECretOUTSAt83<-ln(SEECaprx[99:1895]/lead(SEECaprx[99:1895], 1))[1:1796]	datSEECretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEECretOUTSAt83))	SEECESHIt83<-ES(datSEECretOUTSAt83$rev.SEECretOUTSAt83, p=0.975, method="historical")
SEEC	84	98	1894	2018-11-23	2018-11-23	SEECretOUTSAt84<-ln(SEECaprx[98:1894]/lead(SEECaprx[98:1894], 1))[1:1796]	datSEECretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEECretOUTSAt84))	SEECESHIt84<-ES(datSEECretOUTSAt84$rev.SEECretOUTSAt84, p=0.975, method="historical")
SEEC	85	97	1893	2018-11-24	2018-11-24	SEECretOUTSAt85<-ln(SEECaprx[97:1893]/lead(SEECaprx[97:1893], 1))[1:1796]	datSEECretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEECretOUTSAt85))	SEECESHIt85<-ES(datSEECretOUTSAt85$rev.SEECretOUTSAt85, p=0.975, method="historical")
SEEC	86	96	1892	2018-11-25	2018-11-25	SEECretOUTSAt86<-ln(SEECaprx[96:1892]/lead(SEECaprx[96:1892], 1))[1:1796]	datSEECretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEECretOUTSAt86))	SEECESHIt86<-ES(datSEECretOUTSAt86$rev.SEECretOUTSAt86, p=0.975, method="historical")
SEEC	87	95	1891	2018-11-26	2018-11-26	SEECretOUTSAt87<-ln(SEECaprx[95:1891]/lead(SEECaprx[95:1891], 1))[1:1796]	datSEECretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEECretOUTSAt87))	SEECESHIt87<-ES(datSEECretOUTSAt87$rev.SEECretOUTSAt87, p=0.975, method="historical")
SEEC	88	94	1890	2018-11-27	2018-11-27	SEECretOUTSAt88<-ln(SEECaprx[94:1890]/lead(SEECaprx[94:1890], 1))[1:1796]	datSEECretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEECretOUTSAt88))	SEECESHIt88<-ES(datSEECretOUTSAt88$rev.SEECretOUTSAt88, p=0.975, method="historical")
SEEC	89	93	1889	2018-11-28	2018-11-28	SEECretOUTSAt89<-ln(SEECaprx[93:1889]/lead(SEECaprx[93:1889], 1))[1:1796]	datSEECretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEECretOUTSAt89))	SEECESHIt89<-ES(datSEECretOUTSAt89$rev.SEECretOUTSAt89, p=0.975, method="historical")
SEEC	90	92	1888	2018-11-29	2018-11-29	SEECretOUTSAt90<-ln(SEECaprx[92:1888]/lead(SEECaprx[92:1888], 1))[1:1796]	datSEECretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEECretOUTSAt90))	SEECESHIt90<-ES(datSEECretOUTSAt90$rev.SEECretOUTSAt90, p=0.975, method="historical")
SEEC	91	387	1887	2018-11-30	2018-11-30	SEECretOUTSAt91<-ln(SEECaprx[91:1887]/lead(SEECaprx[91:1887], 1))[1:1796]	datSEECretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEECretOUTSAt91))	SEECESHIt91<-ES(datSEECretOUTSAt91$rev.SEECretOUTSAt91, p=0.975, method="historical")
SEEC	92	90	1886	2018-12-01	2018-12-01	SEECretOUTSAt92<-ln(SEECaprx[90:1886]/lead(SEECaprx[90:1886], 1))[1:1796]	datSEECretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEECretOUTSAt92))	SEECESHIt92<-ES(datSEECretOUTSAt92$rev.SEECretOUTSAt92, p=0.975, method="historical")
SEEC	93	89	1885	2018-12-02	2018-12-02	SEECretOUTSAt93<-ln(SEECaprx[89:1885]/lead(SEECaprx[89:1885], 1))[1:1796]	datSEECretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEECretOUTSAt93))	SEECESHIt93<-ES(datSEECretOUTSAt93$rev.SEECretOUTSAt93, p=0.975, method="historical")
SEEC	94	88	1884	2018-12-03	2018-12-03	SEECretOUTSAt94<-ln(SEECaprx[88:1884]/lead(SEECaprx[88:1884], 1))[1:1796]	datSEECretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEECretOUTSAt94))	SEECESHIt94<-ES(datSEECretOUTSAt94$rev.SEECretOUTSAt94, p=0.975, method="historical")
SEEC	95	87	1883	2018-12-04	2018-12-04	SEECretOUTSAt95<-ln(SEECaprx[87:1883]/lead(SEECaprx[87:1883], 1))[1:1796]	datSEECretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEECretOUTSAt95))	SEECESHIt95<-ES(datSEECretOUTSAt95$rev.SEECretOUTSAt95, p=0.975, method="historical")
SEEC	96	86	1882	2018-12-05	2018-12-05	SEECretOUTSAt96<-ln(SEECaprx[86:1882]/lead(SEECaprx[86:1882], 1))[1:1796]	datSEECretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEECretOUTSAt96))	SEECESHIt96<-ES(datSEECretOUTSAt96$rev.SEECretOUTSAt96, p=0.975, method="historical")
SEEC	97	85	1881	2018-12-06	2018-12-06	SEECretOUTSAt97<-ln(SEECaprx[85:1881]/lead(SEECaprx[85:1881], 1))[1:1796]	datSEECretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEECretOUTSAt97))	SEECESHIt97<-ES(datSEECretOUTSAt97$rev.SEECretOUTSAt97, p=0.975, method="historical")
SEEC	98	84	1880	2018-12-07	2018-12-07	SEECretOUTSAt98<-ln(SEECaprx[84:1880]/lead(SEECaprx[84:1880], 1))[1:1796]	datSEECretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEECretOUTSAt98))	SEECESHIt98<-ES(datSEECretOUTSAt98$rev.SEECretOUTSAt98, p=0.975, method="historical")
SEEC	99	83	1879	2018-12-08	2018-12-08	SEECretOUTSAt99<-ln(SEECaprx[83:1879]/lead(SEECaprx[83:1879], 1))[1:1796]	datSEECretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEECretOUTSAt99))	SEECESHIt99<-ES(datSEECretOUTSAt99$rev.SEECretOUTSAt99, p=0.975, method="historical")
SEEC	100	82	1878	2018-12-09	2018-12-09	SEECretOUTSAt100<-ln(SEECaprx[82:1878]/lead(SEECaprx[82:1878], 1))[1:1796]	datSEECretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEECretOUTSAt100))	SEECESHIt100<-ES(datSEECretOUTSAt100$rev.SEECretOUTSAt100, p=0.975, method="historical")
SEEC	101	81	1877	2018-12-10	2018-12-10	SEECretOUTSAt101<-ln(SEECaprx[81:1877]/lead(SEECaprx[81:1877], 1))[1:1796]	datSEECretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEECretOUTSAt101))	SEECESHIt101<-ES(datSEECretOUTSAt101$rev.SEECretOUTSAt101, p=0.975, method="historical")
SEEC	102	80	1876	2018-12-11	2018-12-11	SEECretOUTSAt102<-ln(SEECaprx[80:1876]/lead(SEECaprx[80:1876], 1))[1:1796]	datSEECretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEECretOUTSAt102))	SEECESHIt102<-ES(datSEECretOUTSAt102$rev.SEECretOUTSAt102, p=0.975, method="historical")
SEEC	103	79	1875	2018-12-12	2018-12-12	SEECretOUTSAt103<-ln(SEECaprx[79:1875]/lead(SEECaprx[79:1875], 1))[1:1796]	datSEECretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEECretOUTSAt103))	SEECESHIt103<-ES(datSEECretOUTSAt103$rev.SEECretOUTSAt103, p=0.975, method="historical")
SEEC	104	78	1874	2018-12-13	2018-12-13	SEECretOUTSAt104<-ln(SEECaprx[78:1874]/lead(SEECaprx[78:1874], 1))[1:1796]	datSEECretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEECretOUTSAt104))	SEECESHIt104<-ES(datSEECretOUTSAt104$rev.SEECretOUTSAt104, p=0.975, method="historical")
SEEC	105	77	1873	2018-12-14	2018-12-14	SEECretOUTSAt105<-ln(SEECaprx[77:1873]/lead(SEECaprx[77:1873], 1))[1:1796]	datSEECretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEECretOUTSAt105))	SEECESHIt105<-ES(datSEECretOUTSAt105$rev.SEECretOUTSAt105, p=0.975, method="historical")
SEEC	106	76	1872	2018-12-15	2018-12-15	SEECretOUTSAt106<-ln(SEECaprx[76:1872]/lead(SEECaprx[76:1872], 1))[1:1796]	datSEECretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEECretOUTSAt106))	SEECESHIt106<-ES(datSEECretOUTSAt106$rev.SEECretOUTSAt106, p=0.975, method="historical")
SEEC	107	75	1871	2018-12-16	2018-12-16	SEECretOUTSAt107<-ln(SEECaprx[75:1871]/lead(SEECaprx[75:1871], 1))[1:1796]	datSEECretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEECretOUTSAt107))	SEECESHIt107<-ES(datSEECretOUTSAt107$rev.SEECretOUTSAt107, p=0.975, method="historical")
SEEC	108	74	1870	2018-12-17	2018-12-17	SEECretOUTSAt108<-ln(SEECaprx[74:1870]/lead(SEECaprx[74:1870], 1))[1:1796]	datSEECretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEECretOUTSAt108))	SEECESHIt108<-ES(datSEECretOUTSAt108$rev.SEECretOUTSAt108, p=0.975, method="historical")
SEEC	109	73	1869	2018-12-18	2018-12-18	SEECretOUTSAt109<-ln(SEECaprx[73:1869]/lead(SEECaprx[73:1869], 1))[1:1796]	datSEECretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEECretOUTSAt109))	SEECESHIt109<-ES(datSEECretOUTSAt109$rev.SEECretOUTSAt109, p=0.975, method="historical")
SEEC	110	72	1868	2018-12-19	2018-12-19	SEECretOUTSAt110<-ln(SEECaprx[72:1868]/lead(SEECaprx[72:1868], 1))[1:1796]	datSEECretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEECretOUTSAt110))	SEECESHIt110<-ES(datSEECretOUTSAt110$rev.SEECretOUTSAt110, p=0.975, method="historical")
SEEC	111	71	1867	2018-12-20	2018-12-20	SEECretOUTSAt111<-ln(SEECaprx[71:1867]/lead(SEECaprx[71:1867], 1))[1:1796]	datSEECretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEECretOUTSAt111))	SEECESHIt111<-ES(datSEECretOUTSAt111$rev.SEECretOUTSAt111, p=0.975, method="historical")
SEEC	112	70	1866	2018-12-21	2018-12-21	SEECretOUTSAt112<-ln(SEECaprx[70:1866]/lead(SEECaprx[70:1866], 1))[1:1796]	datSEECretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEECretOUTSAt112))	SEECESHIt112<-ES(datSEECretOUTSAt112$rev.SEECretOUTSAt112, p=0.975, method="historical")
SEEC	113	69	1865	2018-12-22	2018-12-22	SEECretOUTSAt113<-ln(SEECaprx[69:1865]/lead(SEECaprx[69:1865], 1))[1:1796]	datSEECretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEECretOUTSAt113))	SEECESHIt113<-ES(datSEECretOUTSAt113$rev.SEECretOUTSAt113, p=0.975, method="historical")
SEEC	114	68	1864	2018-12-23	2018-12-23	SEECretOUTSAt114<-ln(SEECaprx[68:1864]/lead(SEECaprx[68:1864], 1))[1:1796]	datSEECretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEECretOUTSAt114))	SEECESHIt114<-ES(datSEECretOUTSAt114$rev.SEECretOUTSAt114, p=0.975, method="historical")
SEEC	115	67	1863	2018-12-24	2018-12-24	SEECretOUTSAt115<-ln(SEECaprx[67:1863]/lead(SEECaprx[67:1863], 1))[1:1796]	datSEECretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEECretOUTSAt115))	SEECESHIt115<-ES(datSEECretOUTSAt115$rev.SEECretOUTSAt115, p=0.975, method="historical")
SEEC	116	66	1862	2018-12-25	2018-12-25	SEECretOUTSAt116<-ln(SEECaprx[66:1862]/lead(SEECaprx[66:1862], 1))[1:1796]	datSEECretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEECretOUTSAt116))	SEECESHIt116<-ES(datSEECretOUTSAt116$rev.SEECretOUTSAt116, p=0.975, method="historical")
SEEC	117	65	1861	2018-12-26	2018-12-26	SEECretOUTSAt117<-ln(SEECaprx[65:1861]/lead(SEECaprx[65:1861], 1))[1:1796]	datSEECretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEECretOUTSAt117))	SEECESHIt117<-ES(datSEECretOUTSAt117$rev.SEECretOUTSAt117, p=0.975, method="historical")
SEEC	118	64	1860	2018-12-27	2018-12-27	SEECretOUTSAt118<-ln(SEECaprx[64:1860]/lead(SEECaprx[64:1860], 1))[1:1796]	datSEECretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEECretOUTSAt118))	SEECESHIt118<-ES(datSEECretOUTSAt118$rev.SEECretOUTSAt118, p=0.975, method="historical")
SEEC	119	63	1859	2018-12-28	2018-12-28	SEECretOUTSAt119<-ln(SEECaprx[63:1859]/lead(SEECaprx[63:1859], 1))[1:1796]	datSEECretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEECretOUTSAt119))	SEECESHIt119<-ES(datSEECretOUTSAt119$rev.SEECretOUTSAt119, p=0.975, method="historical")
SEEC	120	62	1858	2018-12-29	2018-12-29	SEECretOUTSAt120<-ln(SEECaprx[62:1858]/lead(SEECaprx[62:1858], 1))[1:1796]	datSEECretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEECretOUTSAt120))	SEECESHIt120<-ES(datSEECretOUTSAt120$rev.SEECretOUTSAt120, p=0.975, method="historical")
SEEC	121	61	1857	2018-12-30	2018-12-30	SEECretOUTSAt121<-ln(SEECaprx[61:1857]/lead(SEECaprx[61:1857], 1))[1:1796]	datSEECretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEECretOUTSAt121))	SEECESHIt121<-ES(datSEECretOUTSAt121$rev.SEECretOUTSAt121, p=0.975, method="historical")
SEEC	122	60	1856	2018-12-31	2018-12-31	SEECretOUTSAt122<-ln(SEECaprx[60:1856]/lead(SEECaprx[60:1856], 1))[1:1796]	datSEECretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEECretOUTSAt122))	SEECESHIt122<-ES(datSEECretOUTSAt122$rev.SEECretOUTSAt122, p=0.975, method="historical")
SEEC	123	59	1855	2019-01-01	2019-01-01	SEECretOUTSAt123<-ln(SEECaprx[59:1855]/lead(SEECaprx[59:1855], 1))[1:1796]	datSEECretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEECretOUTSAt123))	SEECESHIt123<-ES(datSEECretOUTSAt123$rev.SEECretOUTSAt123, p=0.975, method="historical")
SEEC	124	58	1854	2019-01-02	2019-01-02	SEECretOUTSAt124<-ln(SEECaprx[58:1854]/lead(SEECaprx[58:1854], 1))[1:1796]	datSEECretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEECretOUTSAt124))	SEECESHIt124<-ES(datSEECretOUTSAt124$rev.SEECretOUTSAt124, p=0.975, method="historical")
SEEC	125	57	1853	2019-01-03	2019-01-03	SEECretOUTSAt125<-ln(SEECaprx[57:1853]/lead(SEECaprx[57:1853], 1))[1:1796]	datSEECretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEECretOUTSAt125))	SEECESHIt125<-ES(datSEECretOUTSAt125$rev.SEECretOUTSAt125, p=0.975, method="historical")
SEEC	126	56	1852	2019-01-04	2019-01-04	SEECretOUTSAt126<-ln(SEECaprx[56:1852]/lead(SEECaprx[56:1852], 1))[1:1796]	datSEECretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEECretOUTSAt126))	SEECESHIt126<-ES(datSEECretOUTSAt126$rev.SEECretOUTSAt126, p=0.975, method="historical")
SEEC	127	55	1851	2019-01-05	2019-01-05	SEECretOUTSAt127<-ln(SEECaprx[55:1851]/lead(SEECaprx[55:1851], 1))[1:1796]	datSEECretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEECretOUTSAt127))	SEECESHIt127<-ES(datSEECretOUTSAt127$rev.SEECretOUTSAt127, p=0.975, method="historical")
SEEC	128	54	1850	2019-01-06	2019-01-06	SEECretOUTSAt128<-ln(SEECaprx[54:1850]/lead(SEECaprx[54:1850], 1))[1:1796]	datSEECretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEECretOUTSAt128))	SEECESHIt128<-ES(datSEECretOUTSAt128$rev.SEECretOUTSAt128, p=0.975, method="historical")
SEEC	129	53	1849	2019-01-07	2019-01-07	SEECretOUTSAt129<-ln(SEECaprx[53:1849]/lead(SEECaprx[53:1849], 1))[1:1796]	datSEECretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEECretOUTSAt129))	SEECESHIt129<-ES(datSEECretOUTSAt129$rev.SEECretOUTSAt129, p=0.975, method="historical")
SEEC	130	52	1848	2019-01-08	2019-01-08	SEECretOUTSAt130<-ln(SEECaprx[52:1848]/lead(SEECaprx[52:1848], 1))[1:1796]	datSEECretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEECretOUTSAt130))	SEECESHIt130<-ES(datSEECretOUTSAt130$rev.SEECretOUTSAt130, p=0.975, method="historical")
SEEC	131	51	1847	2019-01-09	2019-01-09	SEECretOU

SEFL	4	178	1974	2018-09-04	2018-09-04	SEFLretOUTSAt4<-ln(SEFLaprx[178:1974]/lead(SEFLaprx[178:1974], 1))[1:1796]	datSEFLretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEFLretOUTSAt4))	SEFLESHIt4<-ES(datSEFLretOUTSAt4$rev.SEFLretOUTSAt4, p=0.975, method="historical")
SEFL	5	177	1973	2018-09-05	2018-09-05	SEFLretOUTSAt5<-ln(SEFLaprx[177:1973]/lead(SEFLaprx[177:1973], 1))[1:1796]	datSEFLretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEFLretOUTSAt5))	SEFLESHIt5<-ES(datSEFLretOUTSAt5$rev.SEFLretOUTSAt5, p=0.975, method="historical")
SEFL	6	176	1972	2018-09-06	2018-09-06	SEFLretOUTSAt6<-ln(SEFLaprx[176:1972]/lead(SEFLaprx[176:1972], 1))[1:1796]	datSEFLretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEFLretOUTSAt6))	SEFLESHIt6<-ES(datSEFLretOUTSAt6$rev.SEFLretOUTSAt6, p=0.975, method="historical")
SEFL	7	175	1971	2018-09-07	2018-09-07	SEFLretOUTSAt7<-ln(SEFLaprx[175:1971]/lead(SEFLaprx[175:1971], 1))[1:1796]	datSEFLretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEFLretOUTSAt7))	SEFLESHIt7<-ES(datSEFLretOUTSAt7$rev.SEFLretOUTSAt7, p=0.975, method="historical")
SEFL	8	174	1970	2018-09-08	2018-09-08	SEFLretOUTSAt8<-ln(SEFLaprx[174:1970]/lead(SEFLaprx[174:1970], 1))[1:1796]	datSEFLretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEFLretOUTSAt8))	SEFLESHIt8<-ES(datSEFLretOUTSAt8$rev.SEFLretOUTSAt8, p=0.975, method="historical")
SEFL	9	173	1969	2018-09-09	2018-09-09	SEFLretOUTSAt9<-ln(SEFLaprx[173:1969]/lead(SEFLaprx[173:1969], 1))[1:1796]	datSEFLretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEFLretOUTSAt9))	SEFLESHIt9<-ES(datSEFLretOUTSAt9$rev.SEFLretOUTSAt9, p=0.975, method="historical")
SEFL	10	172	1968	2018-09-10	2018-09-10	SEFLretOUTSAt10<-ln(SEFLaprx[172:1968]/lead(SEFLaprx[172:1968], 1))[1:1796]	datSEFLretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEFLretOUTSAt10))	SEFLESHIt10<-ES(datSEFLretOUTSAt10$rev.SEFLretOUTSAt10, p=0.975, method="historical")
SEFL	11	171	1967	2018-09-11	2018-09-11	SEFLretOUTSAt11<-ln(SEFLaprx[171:1967]/lead(SEFLaprx[171:1967], 1))[1:1796]	datSEFLretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEFLretOUTSAt11))	SEFLESHIt11<-ES(datSEFLretOUTSAt11$rev.SEFLretOUTSAt11, p=0.975, method="historical")
SEFL	12	170	1966	2018-09-12	2018-09-12	SEFLretOUTSAt12<-ln(SEFLaprx[170:1966]/lead(SEFLaprx[170:1966], 1))[1:1796]	datSEFLretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEFLretOUTSAt12))	SEFLESHIt12<-ES(datSEFLretOUTSAt12$rev.SEFLretOUTSAt12, p=0.975, method="historical")
SEFL	13	169	1965	2018-09-13	2018-09-13	SEFLretOUTSAt13<-ln(SEFLaprx[169:1965]/lead(SEFLaprx[169:1965], 1))[1:1796]	datSEFLretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEFLretOUTSAt13))	SEFLESHIt13<-ES(datSEFLretOUTSAt13$rev.SEFLretOUTSAt13, p=0.975, method="historical")
SEFL	14	168	1964	2018-09-14	2018-09-14	SEFLretOUTSAt14<-ln(SEFLaprx[168:1964]/lead(SEFLaprx[168:1964], 1))[1:1796]	datSEFLretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEFLretOUTSAt14))	SEFLESHIt14<-ES(datSEFLretOUTSAt14$rev.SEFLretOUTSAt14, p=0.975, method="historical")
SEFL	15	167	1963	2018-09-15	2018-09-15	SEFLretOUTSAt15<-ln(SEFLaprx[167:1963]/lead(SEFLaprx[167:1963], 1))[1:1796]	datSEFLretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEFLretOUTSAt15))	SEFLESHIt15<-ES(datSEFLretOUTSAt15$rev.SEFLretOUTSAt15, p=0.975, method="historical")
SEFL	16	166	1962	2018-09-16	2018-09-16	SEFLretOUTSAt16<-ln(SEFLaprx[166:1962]/lead(SEFLaprx[166:1962], 1))[1:1796]	datSEFLretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEFLretOUTSAt16))	SEFLESHIt16<-ES(datSEFLretOUTSAt16$rev.SEFLretOUTSAt16, p=0.975, method="historical")
SEFL	17	165	1961	2018-09-17	2018-09-17	SEFLretOUTSAt17<-ln(SEFLaprx[165:1961]/lead(SEFLaprx[165:1961], 1))[1:1796]	datSEFLretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEFLretOUTSAt17))	SEFLESHIt17<-ES(datSEFLretOUTSAt17$rev.SEFLretOUTSAt17, p=0.975, method="historical")
SEFL	18	164	1960	2018-09-18	2018-09-18	SEFLretOUTSAt18<-ln(SEFLaprx[164:1960]/lead(SEFLaprx[164:1960], 1))[1:1796]	datSEFLretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEFLretOUTSAt18))	SEFLESHIt18<-ES(datSEFLretOUTSAt18$rev.SEFLretOUTSAt18, p=0.975, method="historical")
SEFL	19	163	1959	2018-09-19	2018-09-19	SEFLretOUTSAt19<-ln(SEFLaprx[163:1959]/lead(SEFLaprx[163:1959], 1))[1:1796]	datSEFLretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEFLretOUTSAt19))	SEFLESHIt19<-ES(datSEFLretOUTSAt19$rev.SEFLretOUTSAt19, p=0.975, method="historical")
SEFL	20	162	1958	2018-09-20	2018-09-20	SEFLretOUTSAt20<-ln(SEFLaprx[162:1958]/lead(SEFLaprx[162:1958], 1))[1:1796]	datSEFLretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEFLretOUTSAt20))	SEFLESHIt20<-ES(datSEFLretOUTSAt20$rev.SEFLretOUTSAt20, p=0.975, method="historical")
SEFL	21	161	1957	2018-09-21	2018-09-21	SEFLretOUTSAt21<-ln(SEFLaprx[161:1957]/lead(SEFLaprx[161:1957], 1))[1:1796]	datSEFLretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEFLretOUTSAt21))	SEFLESHIt21<-ES(datSEFLretOUTSAt21$rev.SEFLretOUTSAt21, p=0.975, method="historical")
SEFL	22	160	1956	2018-09-22	2018-09-22	SEFLretOUTSAt22<-ln(SEFLaprx[160:1956]/lead(SEFLaprx[160:1956], 1))[1:1796]	datSEFLretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEFLretOUTSAt22))	SEFLESHIt22<-ES(datSEFLretOUTSAt22$rev.SEFLretOUTSAt22, p=0.975, method="historical")
SEFL	23	159	1955	2018-09-23	2018-09-23	SEFLretOUTSAt23<-ln(SEFLaprx[159:1955]/lead(SEFLaprx[159:1955], 1))[1:1796]	datSEFLretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEFLretOUTSAt23))	SEFLESHIt23<-ES(datSEFLretOUTSAt23$rev.SEFLretOUTSAt23, p=0.975, method="historical")
SEFL	24	158	1954	2018-09-24	2018-09-24	SEFLretOUTSAt24<-ln(SEFLaprx[158:1954]/lead(SEFLaprx[158:1954], 1))[1:1796]	datSEFLretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEFLretOUTSAt24))	SEFLESHIt24<-ES(datSEFLretOUTSAt24$rev.SEFLretOUTSAt24, p=0.975, method="historical")
SEFL	25	157	1953	2018-09-25	2018-09-25	SEFLretOUTSAt25<-ln(SEFLaprx[157:1953]/lead(SEFLaprx[157:1953], 1))[1:1796]	datSEFLretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEFLretOUTSAt25))	SEFLESHIt25<-ES(datSEFLretOUTSAt25$rev.SEFLretOUTSAt25, p=0.975, method="historical")
SEFL	26	156	1952	2018-09-26	2018-09-26	SEFLretOUTSAt26<-ln(SEFLaprx[156:1952]/lead(SEFLaprx[156:1952], 1))[1:1796]	datSEFLretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEFLretOUTSAt26))	SEFLESHIt26<-ES(datSEFLretOUTSAt26$rev.SEFLretOUTSAt26, p=0.975, method="historical")
SEFL	27	155	1951	2018-09-27	2018-09-27	SEFLretOUTSAt27<-ln(SEFLaprx[155:1951]/lead(SEFLaprx[155:1951], 1))[1:1796]	datSEFLretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEFLretOUTSAt27))	SEFLESHIt27<-ES(datSEFLretOUTSAt27$rev.SEFLretOUTSAt27, p=0.975, method="historical")
SEFL	28	154	1950	2018-09-28	2018-09-28	SEFLretOUTSAt28<-ln(SEFLaprx[154:1950]/lead(SEFLaprx[154:1950], 1))[1:1796]	datSEFLretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEFLretOUTSAt28))	SEFLESHIt28<-ES(datSEFLretOUTSAt28$rev.SEFLretOUTSAt28, p=0.975, method="historical")
SEFL	29	153	1949	2018-09-29	2018-09-29	SEFLretOUTSAt29<-ln(SEFLaprx[153:1949]/lead(SEFLaprx[153:1949], 1))[1:1796]	datSEFLretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEFLretOUTSAt29))	SEFLESHIt29<-ES(datSEFLretOUTSAt29$rev.SEFLretOUTSAt29, p=0.975, method="historical")
SEFL	30	152	1948	2018-09-30	2018-09-30	SEFLretOUTSAt30<-ln(SEFLaprx[152:1948]/lead(SEFLaprx[152:1948], 1))[1:1796]	datSEFLretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEFLretOUTSAt30))	SEFLESHIt30<-ES(datSEFLretOUTSAt30$rev.SEFLretOUTSAt30, p=0.975, method="historical")
SEFL	31	151	1947	2018-10-01	2018-10-01	SEFLretOUTSAt31<-ln(SEFLaprx[151:1947]/lead(SEFLaprx[151:1947], 1))[1:1796]	datSEFLretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEFLretOUTSAt31))	SEFLESHIt31<-ES(datSEFLretOUTSAt31$rev.SEFLretOUTSAt31, p=0.975, method="historical")
SEFL	32	150	1946	2018-10-02	2018-10-02	SEFLretOUTSAt32<-ln(SEFLaprx[150:1946]/lead(SEFLaprx[150:1946], 1))[1:1796]	datSEFLretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEFLretOUTSAt32))	SEFLESHIt32<-ES(datSEFLretOUTSAt32$rev.SEFLretOUTSAt32, p=0.975, method="historical")
SEFL	33	149	1945	2018-10-03	2018-10-03	SEFLretOUTSAt33<-ln(SEFLaprx[149:1945]/lead(SEFLaprx[149:1945], 1))[1:1796]	datSEFLretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEFLretOUTSAt33))	SEFLESHIt33<-ES(datSEFLretOUTSAt33$rev.SEFLretOUTSAt33, p=0.975, method="historical")
SEFL	34	148	1944	2018-10-04	2018-10-04	SEFLretOUTSAt34<-ln(SEFLaprx[148:1944]/lead(SEFLaprx[148:1944], 1))[1:1796]	datSEFLretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEFLretOUTSAt34))	SEFLESHIt34<-ES(datSEFLretOUTSAt34$rev.SEFLretOUTSAt34, p=0.975, method="historical")
SEFL	35	147	1943	2018-10-05	2018-10-05	SEFLretOUTSAt35<-ln(SEFLaprx[147:1943]/lead(SEFLaprx[147:1943], 1))[1:1796]	datSEFLretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEFLretOUTSAt35))	SEFLESHIt35<-ES(datSEFLretOUTSAt35$rev.SEFLretOUTSAt35, p=0.975, method="historical")
SEFL	36	146	1942	2018-10-06	2018-10-06	SEFLretOUTSAt36<-ln(SEFLaprx[146:1942]/lead(SEFLaprx[146:1942], 1))[1:1796]	datSEFLretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEFLretOUTSAt36))	SEFLESHIt36<-ES(datSEFLretOUTSAt36$rev.SEFLretOUTSAt36, p=0.975, method="historical")
SEFL	37	145	1941	2018-10-07	2018-10-07	SEFLretOUTSAt37<-ln(SEFLaprx[145:1941]/lead(SEFLaprx[145:1941], 1))[1:1796]	datSEFLretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEFLretOUTSAt37))	SEFLESHIt37<-ES(datSEFLretOUTSAt37$rev.SEFLretOUTSAt37, p=0.975, method="historical")
SEFL	38	144	1940	2018-10-08	2018-10-08	SEFLretOUTSAt38<-ln(SEFLaprx[144:1940]/lead(SEFLaprx[144:1940], 1))[1:1796]	datSEFLretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEFLretOUTSAt38))	SEFLESHIt38<-ES(datSEFLretOUTSAt38$rev.SEFLretOUTSAt38, p=0.975, method="historical")
SEFL	39	143	1939	2018-10-09	2018-10-09	SEFLretOUTSAt39<-ln(SEFLaprx[143:1939]/lead(SEFLaprx[143:1939], 1))[1:1796]	datSEFLretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEFLretOUTSAt39))	SEFLESHIt39<-ES(datSEFLretOUTSAt39$rev.SEFLretOUTSAt39, p=0.975, method="historical")
SEFL	40	142	1938	2018-10-10	2018-10-10	SEFLretOUTSAt40<-ln(SEFLaprx[142:1938]/lead(SEFLaprx[142:1938], 1))[1:1796]	datSEFLretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEFLretOUTSAt40))	SEFLESHIt40<-ES(datSEFLretOUTSAt40$rev.SEFLretOUTSAt40, p=0.975, method="historical")
SEFL	41	141	1937	2018-10-11	2018-10-11	SEFLretOUTSAt41<-ln(SEFLaprx[141:1937]/lead(SEFLaprx[141:1937], 1))[1:1796]	datSEFLretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEFLretOUTSAt41))	SEFLESHIt41<-ES(datSEFLretOUTSAt41$rev.SEFLretOUTSAt41, p=0.975, method="historical")
SEFL	42	140	1936	2018-10-12	2018-10-12	SEFLretOUTSAt42<-ln(SEFLaprx[140:1936]/lead(SEFLaprx[140:1936], 1))[1:1796]	datSEFLretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEFLretOUTSAt42))	SEFLESHIt42<-ES(datSEFLretOUTSAt42$rev.SEFLretOUTSAt42, p=0.975, method="historical")
SEFL	43	139	1935	2018-10-13	2018-10-13	SEFLretOUTSAt43<-ln(SEFLaprx[139:1935]/lead(SEFLaprx[139:1935], 1))[1:1796]	datSEFLretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEFLretOUTSAt43))	SEFLESHIt43<-ES(datSEFLretOUTSAt43$rev.SEFLretOUTSAt43, p=0.975, method="historical")
SEFL	44	138	1934	2018-10-14	2018-10-14	SEFLretOUTSAt44<-ln(SEFLaprx[138:1934]/lead(SEFLaprx[138:1934], 1))[1:1796]	datSEFLretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEFLretOUTSAt44))	SEFLESHIt44<-ES(datSEFLretOUTSAt44$rev.SEFLretOUTSAt44, p=0.975, method="historical")
SEFL	45	137	1933	2018-10-15	2018-10-15	SEFLretOUTSAt45<-ln(SEFLaprx[137:1933]/lead(SEFLaprx[137:1933], 1))[1:1796]	datSEFLretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEFLretOUTSAt45))	SEFLESHIt45<-ES(datSEFLretOUTSAt45$rev.SEFLretOUTSAt45, p=0.975, method="historical")
SEFL	46	136	1932	2018-10-16	2018-10-16	SEFLretOUTSAt46<-ln(SEFLaprx[136:1932]/lead(SEFLaprx[136:1932], 1))[1:1796]	datSEFLretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEFLretOUTSAt46))	SEFLESHIt46<-ES(datSEFLretOUTSAt46$rev.SEFLretOUTSAt46, p=0.975, method="historical")
SEFL	47	135	1931	2018-10-17	2018-10-17	SEFLretOUTSAt47<-ln(SEFLaprx[135:1931]/lead(SEFLaprx[135:1931], 1))[1:1796]	datSEFLretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEFLretOUTSAt47))	SEFLESHIt47<-ES(datSEFLretOUTSAt47$rev.SEFLretOUTSAt47, p=0.975, method="historical")
SEFL	48	134	1930	2018-10-18	2018-10-18	SEFLretOUTSAt48<-ln(SEFLaprx[134:1930]/lead(SEFLaprx[134:1930], 1))[1:1796]	datSEFLretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEFLretOUTSAt48))	SEFLESHIt48<-ES(datSEFLretOUTSAt48$rev.SEFLretOUTSAt48, p=0.975, method="historical")
SEFL	49	133	1929	2018-10-19	2018-10-19	SEFLretOUTSAt49<-ln(SEFLaprx[133:1929]/lead(SEFLaprx[133:1929], 1))[1:1796]	datSEFLretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEFLretOUTSAt49))	SEFLESHIt49<-ES(datSEFLretOUTSAt49$rev.SEFLretOUTSAt49, p=0.975, method="historical")
SEFL	50	132	1928	2018-10-20	2018-10-20	SEFLretOUTSAt50<-ln(SEFLaprx[132:1928]/lead(SEFLaprx[132:1928], 1))[1:1796]	datSEFLretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEFLretOUTSAt50))	SEFLESHIt50<-ES(datSEFLretOUTSAt50$rev.SEFLretOUTSAt50, p=0.975, method="historical")
SEFL	51	131	1927	2018-10-21	2018-10-21	SEFLretOUTSAt51<-ln(SEFLaprx[131:1927]/lead(SEFLaprx[131:1927], 1))[1:1796]	datSEFLretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEFLretOUTSAt51))	SEFLESHIt51<-ES(datSEFLretOUTSAt51$rev.SEFLretOUTSAt51, p=0.975, method="historical")
SEFL	52	130	1926	2018-10-22	2018-10-22	SEFLretOUTSAt52<-ln(SEFLaprx[130:1926]/lead(SEFLaprx[130:1926], 1))[1:1796]	datSEFLretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEFLretOUTSAt52))	SEFLESHIt52<-ES(datSEFLretOUTSAt52$rev.SEFLretOUTSAt52, p=0.975, method="historical")
SEFL	53	129	1925	2018-10-23	2018-10-23	SEFLretOUTSAt53<-ln(SEFLaprx[129:1925]/lead(SEFLaprx[129:1925], 1))[1:1796]	datSEFLretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEFLretOUTSAt53))	SEFLESHIt53<-ES(datSEFLretOUTSAt53$rev.SEFLretOUTSAt53, p=0.975, method="historical")
SEFL	54	128	1924	2018-10-24	2018-10-24	SEFLretOUTSAt54<-ln(SEFLaprx[128:1924]/lead(SEFLaprx[128:1924], 1))[1:1796]	datSEFLretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEFLretOUTSAt54))	SEFLESHIt54<-ES(datSEFLretOUTSAt54$rev.SEFLretOUTSAt54, p=0.975, method="historical")
SEFL	55	127	1923	2018-10-25	2018-10-25	SEFLretOUTSAt55<-ln(SEFLaprx[127:1923]/lead(SEFLaprx[127:1923], 1))[1:1796]	datSEFLretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SEFLretOUTSAt55))	SEFLESHIt55<-ES(datSEFLretOUTSAt55$rev.SEFLretOUTSAt55, p=0.975, method="historical")
SEFL	56	126	1922	2018-10-26	2018-10-26	SEFLretOUTSAt56<-ln(SEFLaprx[126:1922]/lead(SEFLaprx[126:1922], 1))[1:1796]	datSEFLretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SEFLretOUTSAt56))	SEFLESHIt56<-ES(datSEFLretOUTSAt56$rev.SEFLretOUTSAt56, p=0.975, method="historical")
SEFL	57	125	1921	2018-10-27	2018-10-27	SEFLretOUTSAt57<-ln(SEFLaprx[125:1921]/lead(SEFLaprx[125:1921], 1))[1:1796]	datSEFLretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SEFLretOUTSAt57))	SEFLESHIt57<-ES(datSEFLretOUTSAt57$rev.SEFLretOUTSAt57, p=0.975, method="historical")
SEFL	58	124	1920	2018-10-28	2018-10-28	SEFLretOUTSAt58<-ln(SEFLaprx[124:1920]/lead(SEFLaprx[124:1920], 1))[1:1796]	datSEFLretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEFLretOUTSAt58))	SEFLESHIt58<-ES(datSEFLretOUTSAt58$rev.SEFLretOUTSAt58, p=0.975, method="historical")
SEFL	59	123	1919	2018-10-29	2018-10-29	SEFLretOUTSAt59<-ln(SEFLaprx[123:1919]/lead(SEFLaprx[123:1919], 1))[1:1796]	datSEFLretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEFLretOUTSAt59))	SEFLESHIt59<-ES(datSEFLretOUTSAt59$rev.SEFLretOUTSAt59, p=0.975, method="historical")
SEFL	60	122	1918	2018-10-30	2018-10-30	SEFLretOUTSAt60<-ln(SEFLaprx[122:1918]/lead(SEFLaprx[122:1918], 1))[1:1796]	datSEFLretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEFLretOUTSAt60))	SEFLESHIt60<-ES(datSEFLretOUTSAt60$rev.SEFLretOUTSAt60, p=0.975, method="historical")
SEFL	61	121	1917	2018-10-31	2018-10-31	SEFLretOUTSAt61<-ln(SEFLaprx[121:1917]/lead(SEFLaprx[121:1917], 1))[1:1796]	datSEFLretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEFLretOUTSAt61))	SEFLESHIt61<-ES(datSEFLretOUTSAt61$rev.SEFLretOUTSAt61, p=0.975, method="historical")
SEFL	62	120	1916	2018-11-01	2018-11-01	SEFLretOUTSAt62<-ln(SEFLaprx[120:1916]/lead(SEFLaprx[120:1916], 1))[1:1796]	datSEFLretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEFLretOUTSAt62))	SEFLESHIt62<-ES(datSEFLretOUTSAt62$rev.SEFLretOUTSAt62, p=0.975, method="historical")
SEFL	63	119	1915	2018-11-02	2018-11-02	SEFLretOUTSAt63<-ln(SEFLaprx[119:1915]/lead(SEFLaprx[119:1915], 1))[1:1796]	datSEFLretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEFLretOUTSAt63))	SEFLESHIt63<-ES(datSEFLretOUTSAt63$rev.SEFLretOUTSAt63, p=0.975, method="historical")
SEFL	64	118	1914	2018-11-03	2018-11-03	SEFLretOUTSAt64<-ln(SEFLaprx[118:1914]/lead(SEFLaprx[118:1914], 1))[1:1796]	datSEFLretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SEFLretOUTSAt64))	SEFLESHIt64<-ES(datSEFLretOUTSAt64$rev.SEFLretOUTSAt64, p=0.975, method="historical")
SEFL	65	117	1913	2018-11-04	2018-11-04	SEFLretOUTSAt65<-ln(SEFLaprx[117:1913]/lead(SEFLaprx[117:1913], 1))[1:1796]	datSEFLretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SEFLretOUTSAt65))	SEFLESHIt65<-ES(datSEFLretOUTSAt65$rev.SEFLretOUTSAt65, p=0.975, method="historical")
SEFL	66	116	1912	2018-11-05	2018-11-05	SEFLretOUTSAt66<-ln(SEFLaprx[116:1912]/lead(SEFLaprx[116:1912], 1))[1:1796]	datSEFLretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SEFLretOUTSAt66))	SEFLESHIt66<-ES(datSEFLretOUTSAt66$rev.SEFLretOUTSAt66, p=0.975, method="historical")
SEFL	67	115	1911	2018-11-06	2018-11-06	SEFLretOUTSAt67<-ln(SEFLaprx[115:1911]/lead(SEFLaprx[115:1911], 1))[1:1796]	datSEFLretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEFLretOUTSAt67))	SEFLESHIt67<-ES(datSEFLretOUTSAt67$rev.SEFLretOUTSAt67, p=0.975, method="historical")
SEFL	68	114	1910	2018-11-07	2018-11-07	SEFLretOUTSAt68<-ln(SEFLaprx[114:1910]/lead(SEFLaprx[114:1910], 1))[1:1796]	datSEFLretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEFLretOUTSAt68))	SEFLESHIt68<-ES(datSEFLretOUTSAt68$rev.SEFLretOUTSAt68, p=0.975, method="historical")
SEFL	69	113	1909	2018-11-08	2018-11-08	SEFLretOUTSAt69<-ln(SEFLaprx[113:1909]/lead(SEFLaprx[113:1909], 1))[1:1796]	datSEFLretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEFLretOUTSAt69))	SEFLESHIt69<-ES(datSEFLretOUTSAt69$rev.SEFLretOUTSAt69, p=0.975, method="historical")
SEFL	70	112	1908	2018-11-09	2018-11-09	SEFLretOUTSAt70<-ln(SEFLaprx[112:1908]/lead(SEFLaprx[112:1908], 1))[1:1796]	datSEFLretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEFLretOUTSAt70))	SEFLESHIt70<-ES(datSEFLretOUTSAt70$rev.SEFLretOUTSAt70, p=0.975, method="historical")
SEFL	71	111	1907	2018-11-10	2018-11-10	SEFLretOUTSAt71<-ln(SEFLaprx[111:1907]/lead(SEFLaprx[111:1907], 1))[1:1796]	datSEFLretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEFLretOUTSAt71))	SEFLESHIt71<-ES(datSEFLretOUTSAt71$rev.SEFLretOUTSAt71, p=0.975, method="historical")
SEFL	72	110	1906	2018-11-11	2018-11-11	SEFLretOUTSAt72<-ln(SEFLaprx[110:1906]/lead(SEFLaprx[110:1906], 1))[1:1796]	datSEFLretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEFLretOUTSAt72))	SEFLESHIt72<-ES(datSEFLretOUTSAt72$rev.SEFLretOUTSAt72, p=0.975, method="historical")
SEFL	73	109	1905	2018-11-12	2018-11-12	SEFLretOUTSAt73<-ln(SEFLaprx[109:1905]/lead(SEFLaprx[109:1905], 1))[1:1796]	datSEFLretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEFLretOUTSAt73))	SEFLESHIt73<-ES(datSEFLretOUTSAt73$rev.SEFLretOUTSAt73, p=0.975, method="historical")
SEFL	74	108	1904	2018-11-13	2018-11-13	SEFLretOUTSAt74<-ln(SEFLaprx[108:1904]/lead(SEFLaprx[108:1904], 1))[1:1796]	datSEFLretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date

SEFL	133	49	1845	2019-01-11	2019-01-11	SEFLretOUTSAt133<-ln(SEFLaprx[49:1845]/lead(SEFLaprx[49:1845], 1))[1:1796]	datSEFLretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEFLretOUTSAt133))	SEFLESHIt133<-ES(datSEFLretOUTSAt133$rev.SEFLretOUTSAt133, p=0.975, method="historical")
SEFL	134	48	1844	2019-01-12	2019-01-12	SEFLretOUTSAt134<-ln(SEFLaprx[48:1844]/lead(SEFLaprx[48:1844], 1))[1:1796]	datSEFLretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEFLretOUTSAt134))	SEFLESHIt134<-ES(datSEFLretOUTSAt134$rev.SEFLretOUTSAt134, p=0.975, method="historical")
SEFL	135	47	1843	2019-01-13	2019-01-13	SEFLretOUTSAt135<-ln(SEFLaprx[47:1843]/lead(SEFLaprx[47:1843], 1))[1:1796]	datSEFLretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEFLretOUTSAt135))	SEFLESHIt135<-ES(datSEFLretOUTSAt135$rev.SEFLretOUTSAt135, p=0.975, method="historical")
SEFL	136	46	1842	2019-01-14	2019-01-14	SEFLretOUTSAt136<-ln(SEFLaprx[46:1842]/lead(SEFLaprx[46:1842], 1))[1:1796]	datSEFLretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEFLretOUTSAt136))	SEFLESHIt136<-ES(datSEFLretOUTSAt136$rev.SEFLretOUTSAt136, p=0.975, method="historical")
SEFL	137	45	1841	2019-01-15	2019-01-15	SEFLretOUTSAt137<-ln(SEFLaprx[45:1841]/lead(SEFLaprx[45:1841], 1))[1:1796]	datSEFLretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEFLretOUTSAt137))	SEFLESHIt137<-ES(datSEFLretOUTSAt137$rev.SEFLretOUTSAt137, p=0.975, method="historical")
SEFL	138	44	1840	2019-01-16	2019-01-16	SEFLretOUTSAt138<-ln(SEFLaprx[44:1840]/lead(SEFLaprx[44:1840], 1))[1:1796]	datSEFLretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEFLretOUTSAt138))	SEFLESHIt138<-ES(datSEFLretOUTSAt138$rev.SEFLretOUTSAt138, p=0.975, method="historical")
SEFL	139	43	1839	2019-01-17	2019-01-17	SEFLretOUTSAt139<-ln(SEFLaprx[43:1839]/lead(SEFLaprx[43:1839], 1))[1:1796]	datSEFLretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEFLretOUTSAt139))	SEFLESHIt139<-ES(datSEFLretOUTSAt139$rev.SEFLretOUTSAt139, p=0.975, method="historical")
SEFL	140	42	1838	2019-01-18	2019-01-18	SEFLretOUTSAt140<-ln(SEFLaprx[42:1838]/lead(SEFLaprx[42:1838], 1))[1:1796]	datSEFLretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEFLretOUTSAt140))	SEFLESHIt140<-ES(datSEFLretOUTSAt140$rev.SEFLretOUTSAt140, p=0.975, method="historical")
SEFL	141	41	1837	2019-01-19	2019-01-19	SEFLretOUTSAt141<-ln(SEFLaprx[41:1837]/lead(SEFLaprx[41:1837], 1))[1:1796]	datSEFLretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEFLretOUTSAt141))	SEFLESHIt141<-ES(datSEFLretOUTSAt141$rev.SEFLretOUTSAt141, p=0.975, method="historical")
SEFL	142	40	1836	2019-01-20	2019-01-20	SEFLretOUTSAt142<-ln(SEFLaprx[40:1836]/lead(SEFLaprx[40:1836], 1))[1:1796]	datSEFLretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEFLretOUTSAt142))	SEFLESHIt142<-ES(datSEFLretOUTSAt142$rev.SEFLretOUTSAt142, p=0.975, method="historical")
SEFL	143	39	1835	2019-01-21	2019-01-21	SEFLretOUTSAt143<-ln(SEFLaprx[39:1835]/lead(SEFLaprx[39:1835], 1))[1:1796]	datSEFLretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEFLretOUTSAt143))	SEFLESHIt143<-ES(datSEFLretOUTSAt143$rev.SEFLretOUTSAt143, p=0.975, method="historical")
SEFL	144	38	1834	2019-01-22	2019-01-22	SEFLretOUTSAt144<-ln(SEFLaprx[38:1834]/lead(SEFLaprx[38:1834], 1))[1:1796]	datSEFLretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEFLretOUTSAt144))	SEFLESHIt144<-ES(datSEFLretOUTSAt144$rev.SEFLretOUTSAt144, p=0.975, method="historical")
SEFL	145	37	1833	2019-01-23	2019-01-23	SEFLretOUTSAt145<-ln(SEFLaprx[37:1833]/lead(SEFLaprx[37:1833], 1))[1:1796]	datSEFLretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEFLretOUTSAt145))	SEFLESHIt145<-ES(datSEFLretOUTSAt145$rev.SEFLretOUTSAt145, p=0.975, method="historical")
SEFL	146	36	1832	2019-01-24	2019-01-24	SEFLretOUTSAt146<-ln(SEFLaprx[36:1832]/lead(SEFLaprx[36:1832], 1))[1:1796]	datSEFLretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEFLretOUTSAt146))	SEFLESHIt146<-ES(datSEFLretOUTSAt146$rev.SEFLretOUTSAt146, p=0.975, method="historical")
SEFL	147	35	1831	2019-01-25	2019-01-25	SEFLretOUTSAt147<-ln(SEFLaprx[35:1831]/lead(SEFLaprx[35:1831], 1))[1:1796]	datSEFLretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEFLretOUTSAt147))	SEFLESHIt147<-ES(datSEFLretOUTSAt147$rev.SEFLretOUTSAt147, p=0.975, method="historical")
SEFL	148	34	1830	2019-01-26	2019-01-26	SEFLretOUTSAt148<-ln(SEFLaprx[34:1830]/lead(SEFLaprx[34:1830], 1))[1:1796]	datSEFLretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEFLretOUTSAt148))	SEFLESHIt148<-ES(datSEFLretOUTSAt148$rev.SEFLretOUTSAt148, p=0.975, method="historical")
SEFL	149	33	1829	2019-01-27	2019-01-27	SEFLretOUTSAt149<-ln(SEFLaprx[33:1829]/lead(SEFLaprx[33:1829], 1))[1:1796]	datSEFLretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEFLretOUTSAt149))	SEFLESHIt149<-ES(datSEFLretOUTSAt149$rev.SEFLretOUTSAt149, p=0.975, method="historical")
SEFL	150	32	1828	2019-01-28	2019-01-28	SEFLretOUTSAt150<-ln(SEFLaprx[32:1828]/lead(SEFLaprx[32:1828], 1))[1:1796]	datSEFLretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEFLretOUTSAt150))	SEFLESHIt150<-ES(datSEFLretOUTSAt150$rev.SEFLretOUTSAt150, p=0.975, method="historical")
SEFL	151	31	1827	2019-01-29	2019-01-29	SEFLretOUTSAt151<-ln(SEFLaprx[31:1827]/lead(SEFLaprx[31:1827], 1))[1:1796]	datSEFLretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEFLretOUTSAt151))	SEFLESHIt151<-ES(datSEFLretOUTSAt151$rev.SEFLretOUTSAt151, p=0.975, method="historical")
SEFL	152	30	1826	2019-01-30	2019-01-30	SEFLretOUTSAt152<-ln(SEFLaprx[30:1826]/lead(SEFLaprx[30:1826], 1))[1:1796]	datSEFLretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEFLretOUTSAt152))	SEFLESHIt152<-ES(datSEFLretOUTSAt152$rev.SEFLretOUTSAt152, p=0.975, method="historical")
SEFL	153	29	1825	2019-01-31	2019-01-31	SEFLretOUTSAt153<-ln(SEFLaprx[29:1825]/lead(SEFLaprx[29:1825], 1))[1:1796]	datSEFLretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEFLretOUTSAt153))	SEFLESHIt153<-ES(datSEFLretOUTSAt153$rev.SEFLretOUTSAt153, p=0.975, method="historical")
SEFL	154	28	1824	2019-02-01	2019-02-01	SEFLretOUTSAt154<-ln(SEFLaprx[28:1824]/lead(SEFLaprx[28:1824], 1))[1:1796]	datSEFLretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEFLretOUTSAt154))	SEFLESHIt154<-ES(datSEFLretOUTSAt154$rev.SEFLretOUTSAt154, p=0.975, method="historical")
SEFL	155	27	1823	2019-02-02	2019-02-02	SEFLretOUTSAt155<-ln(SEFLaprx[27:1823]/lead(SEFLaprx[27:1823], 1))[1:1796]	datSEFLretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEFLretOUTSAt155))	SEFLESHIt155<-ES(datSEFLretOUTSAt155$rev.SEFLretOUTSAt155, p=0.975, method="historical")
SEFL	156	26	1822	2019-02-03	2019-02-03	SEFLretOUTSAt156<-ln(SEFLaprx[26:1822]/lead(SEFLaprx[26:1822], 1))[1:1796]	datSEFLretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEFLretOUTSAt156))	SEFLESHIt156<-ES(datSEFLretOUTSAt156$rev.SEFLretOUTSAt156, p=0.975, method="historical")
SEFL	157	25	1821	2019-02-04	2019-02-04	SEFLretOUTSAt157<-ln(SEFLaprx[25:1821]/lead(SEFLaprx[25:1821], 1))[1:1796]	datSEFLretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEFLretOUTSAt157))	SEFLESHIt157<-ES(datSEFLretOUTSAt157$rev.SEFLretOUTSAt157, p=0.975, method="historical")
SEFL	158	24	1820	2019-02-05	2019-02-05	SEFLretOUTSAt158<-ln(SEFLaprx[24:1820]/lead(SEFLaprx[24:1820], 1))[1:1796]	datSEFLretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEFLretOUTSAt158))	SEFLESHIt158<-ES(datSEFLretOUTSAt158$rev.SEFLretOUTSAt158, p=0.975, method="historical")
SEFL	159	23	1819	2019-02-06	2019-02-06	SEFLretOUTSAt159<-ln(SEFLaprx[23:1819]/lead(SEFLaprx[23:1819], 1))[1:1796]	datSEFLretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEFLretOUTSAt159))	SEFLESHIt159<-ES(datSEFLretOUTSAt159$rev.SEFLretOUTSAt159, p=0.975, method="historical")
SEFL	160	22	1818	2019-02-07	2019-02-07	SEFLretOUTSAt160<-ln(SEFLaprx[22:1818]/lead(SEFLaprx[22:1818], 1))[1:1796]	datSEFLretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEFLretOUTSAt160))	SEFLESHIt160<-ES(datSEFLretOUTSAt160$rev.SEFLretOUTSAt160, p=0.975, method="historical")
SEFL	161	21	1817	2019-02-08	2019-02-08	SEFLretOUTSAt161<-ln(SEFLaprx[21:1817]/lead(SEFLaprx[21:1817], 1))[1:1796]	datSEFLretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEFLretOUTSAt161))	SEFLESHIt161<-ES(datSEFLretOUTSAt161$rev.SEFLretOUTSAt161, p=0.975, method="historical")
SEFL	162	20	1816	2019-02-09	2019-02-09	SEFLretOUTSAt162<-ln(SEFLaprx[20:1816]/lead(SEFLaprx[20:1816], 1))[1:1796]	datSEFLretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEFLretOUTSAt162))	SEFLESHIt162<-ES(datSEFLretOUTSAt162$rev.SEFLretOUTSAt162, p=0.975, method="historical")
SEFL	163	19	1815	2019-02-10	2019-02-10	SEFLretOUTSAt163<-ln(SEFLaprx[19:1815]/lead(SEFLaprx[19:1815], 1))[1:1796]	datSEFLretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEFLretOUTSAt163))	SEFLESHIt163<-ES(datSEFLretOUTSAt163$rev.SEFLretOUTSAt163, p=0.975, method="historical")
SEFL	164	18	1814	2019-02-11	2019-02-11	SEFLretOUTSAt164<-ln(SEFLaprx[18:1814]/lead(SEFLaprx[18:1814], 1))[1:1796]	datSEFLretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEFLretOUTSAt164))	SEFLESHIt164<-ES(datSEFLretOUTSAt164$rev.SEFLretOUTSAt164, p=0.975, method="historical")
SEFL	165	17	1813	2019-02-12	2019-02-12	SEFLretOUTSAt165<-ln(SEFLaprx[17:1813]/lead(SEFLaprx[17:1813], 1))[1:1796]	datSEFLretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEFLretOUTSAt165))	SEFLESHIt165<-ES(datSEFLretOUTSAt165$rev.SEFLretOUTSAt165, p=0.975, method="historical")
SEFL	166	16	1812	2019-02-13	2019-02-13	SEFLretOUTSAt166<-ln(SEFLaprx[16:1812]/lead(SEFLaprx[16:1812], 1))[1:1796]	datSEFLretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEFLretOUTSAt166))	SEFLESHIt166<-ES(datSEFLretOUTSAt166$rev.SEFLretOUTSAt166, p=0.975, method="historical")
SEFL	167	15	1811	2019-02-14	2019-02-14	SEFLretOUTSAt167<-ln(SEFLaprx[15:1811]/lead(SEFLaprx[15:1811], 1))[1:1796]	datSEFLretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEFLretOUTSAt167))	SEFLESHIt167<-ES(datSEFLretOUTSAt167$rev.SEFLretOUTSAt167, p=0.975, method="historical")
SEFL	168	14	1810	2019-02-15	2019-02-15	SEFLretOUTSAt168<-ln(SEFLaprx[14:1810]/lead(SEFLaprx[14:1810], 1))[1:1796]	datSEFLretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEFLretOUTSAt168))	SEFLESHIt168<-ES(datSEFLretOUTSAt168$rev.SEFLretOUTSAt168, p=0.975, method="historical")
SEFL	169	13	1809	2019-02-16	2019-02-16	SEFLretOUTSAt169<-ln(SEFLaprx[13:1809]/lead(SEFLaprx[13:1809], 1))[1:1796]	datSEFLretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEFLretOUTSAt169))	SEFLESHIt169<-ES(datSEFLretOUTSAt169$rev.SEFLretOUTSAt169, p=0.975, method="historical")
SEFL	170	12	1808	2019-02-17	2019-02-17	SEFLretOUTSAt170<-ln(SEFLaprx[12:1808]/lead(SEFLaprx[12:1808], 1))[1:1796]	datSEFLretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SEFLretOUTSAt170))	SEFLESHIt170<-ES(datSEFLretOUTSAt170$rev.SEFLretOUTSAt170, p=0.975, method="historical")
SEFL	171	11	1807	2019-02-18	2019-02-18	SEFLretOUTSAt171<-ln(SEFLaprx[11:1807]/lead(SEFLaprx[11:1807], 1))[1:1796]	datSEFLretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SEFLretOUTSAt171))	SEFLESHIt171<-ES(datSEFLretOUTSAt171$rev.SEFLretOUTSAt171, p=0.975, method="historical")
SEFL	172	10	1806	2019-02-19	2019-02-19	SEFLretOUTSAt172<-ln(SEFLaprx[10:1806]/lead(SEFLaprx[10:1806], 1))[1:1796]	datSEFLretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEFLretOUTSAt172))	SEFLESHIt172<-ES(datSEFLretOUTSAt172$rev.SEFLretOUTSAt172, p=0.975, method="historical")
SEFL	173	9	1805	2019-02-20	2019-02-20	SEFLretOUTSAt173<-ln(SEFLaprx[9:1805]/lead(SEFLaprx[9:1805], 1))[1:1796]	datSEFLretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEFLretOUTSAt173))	SEFLESHIt173<-ES(datSEFLretOUTSAt173$rev.SEFLretOUTSAt173, p=0.975, method="historical")
SEFL	174	8	1804	2019-02-21	2019-02-21	SEFLretOUTSAt174<-ln(SEFLaprx[8:1804]/lead(SEFLaprx[8:1804], 1))[1:1796]	datSEFLretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEFLretOUTSAt174))	SEFLESHIt174<-ES(datSEFLretOUTSAt174$rev.SEFLretOUTSAt174, p=0.975, method="historical")
SEFL	175	7	1803	2019-02-22	2019-02-22	SEFLretOUTSAt175<-ln(SEFLaprx[7:1803]/lead(SEFLaprx[7:1803], 1))[1:1796]	datSEFLretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEFLretOUTSAt175))	SEFLESHIt175<-ES(datSEFLretOUTSAt175$rev.SEFLretOUTSAt175, p=0.975, method="historical")
SEFL	176	6	1802	2019-02-23	2019-02-23	SEFLretOUTSAt176<-ln(SEFLaprx[6:1802]/lead(SEFLaprx[6:1802], 1))[1:1796]	datSEFLretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEFLretOUTSAt176))	SEFLESHIt176<-ES(datSEFLretOUTSAt176$rev.SEFLretOUTSAt176, p=0.975, method="historical")
SEFL	177	5	1801	2019-02-24	2019-02-24	SEFLretOUTSAt177<-ln(SEFLaprx[5:1801]/lead(SEFLaprx[5:1801], 1))[1:1796]	datSEFLretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEFLretOUTSAt177))	SEFLESHIt177<-ES(datSEFLretOUTSAt177$rev.SEFLretOUTSAt177, p=0.975, method="historical")
SEFL	178	4	1800	2019-02-25	2019-02-25	SEFLretOUTSAt178<-ln(SEFLaprx[4:1800]/lead(SEFLaprx[4:1800], 1))[1:1796]	datSEFLretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEFLretOUTSAt178))	SEFLESHIt178<-ES(datSEFLretOUTSAt178$rev.SEFLretOUTSAt178, p=0.975, method="historical")
SEFL	179	3	1799	2019-02-26	2019-02-26	SEFLretOUTSAt179<-ln(SEFLaprx[3:1799]/lead(SEFLaprx[3:1799], 1))[1:1796]	datSEFLretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEFLretOUTSAt179))	SEFLESHIt179<-ES(datSEFLretOUTSAt179$rev.SEFLretOUTSAt179, p=0.975, method="historical")
SEFL	180	2	1798	2019-02-27	2019-02-27	SEFLretOUTSAt180<-ln(SEFLaprx[2:1798]/lead(SEFLaprx[2:1798], 1))[1:1796]	datSEFLretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEFLretOUTSAt180))	SEFLESHIt180<-ES(datSEFLretOUTSAt180$rev.SEFLretOUTSAt180, p=0.975, method="historical")
SEFL	181	1	1797	2019-02-28	2019-02-28	SEFLretOUTSAt181<-ln(SEFLaprx[1:1797]/lead(SEFLaprx[1:1797], 1))[1:1796]	datSEFLretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEFLretOUTSAt181))	SEFLESHIt181<-ES(datSEFLretOUTSAt181$rev.SEFLretOUTSAt181, p=0.975, method="historical")
SEUT								
SEUT	1	181	1977	2018-09-01	2018-09-01	SEUTretOUTSAt1<-ln(SEUTaprx[181:1977]/lead(SEUTaprx[181:1977], 1))[1:1796]	datSEUTretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEUTretOUTSAt1))	SEUTESHIt1<-ES(datSEUTretOUTSAt1$rev.SEUTretOUTSAt1, p=0.975, method="historical")
SEUT	2	180	1976	2018-09-02	2018-09-02	SEUTretOUTSAt2<-ln(SEUTaprx[180:1976]/lead(SEUTaprx[180:1976], 1))[1:1796]	datSEUTretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEUTretOUTSAt2))	SEUTESHIt2<-ES(datSEUTretOUTSAt2$rev.SEUTretOUTSAt2, p=0.975, method="historical")
SEUT	3	179	1975	2018-09-03	2018-09-03	SEUTretOUTSAt3<-ln(SEUTaprx[179:1975]/lead(SEUTaprx[179:1975], 1))[1:1796]	datSEUTretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEUTretOUTSAt3))	SEUTESHIt3<-ES(datSEUTretOUTSAt3$rev.SEUTretOUTSAt3, p=0.975, method="historical")
SEUT	4	178	1974	2018-09-04	2018-09-04	SEUTretOUTSAt4<-ln(SEUTaprx[178:1974]/lead(SEUTaprx[178:1974], 1))[1:1796]	datSEUTretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEUTretOUTSAt4))	SEUTESHIt4<-ES(datSEUTretOUTSAt4$rev.SEUTretOUTSAt4, p=0.975, method="historical")
SEUT	5	177	1973	2018-09-05	2018-09-05	SEUTretOUTSAt5<-ln(SEUTaprx[177:1973]/lead(SEUTaprx[177:1973], 1))[1:1796]	datSEUTretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEUTretOUTSAt5))	SEUTESHIt5<-ES(datSEUTretOUTSAt5$rev.SEUTretOUTSAt5, p=0.975, method="historical")
SEUT	6	176	1972	2018-09-06	2018-09-06	SEUTretOUTSAt6<-ln(SEUTaprx[176:1972]/lead(SEUTaprx[176:1972], 1))[1:1796]	datSEUTretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEUTretOUTSAt6))	SEUTESHIt6<-ES(datSEUTretOUTSAt6$rev.SEUTretOUTSAt6, p=0.975, method="historical")
SEUT	7	175	1971	2018-09-07	2018-09-07	SEUTretOUTSAt7<-ln(SEUTaprx[175:1971]/lead(SEUTaprx[175:1971], 1))[1:1796]	datSEUTretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEUTretOUTSAt7))	SEUTESHIt7<-ES(datSEUTretOUTSAt7$rev.SEUTretOUTSAt7, p=0.975, method="historical")
SEUT	8	174	1970	2018-09-08	2018-09-08	SEUTretOUTSAt8<-ln(SEUTaprx[174:1970]/lead(SEUTaprx[174:1970], 1))[1:1796]	datSEUTretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEUTretOUTSAt8))	SEUTESHIt8<-ES(datSEUTretOUTSAt8$rev.SEUTretOUTSAt8, p=0.975, method="historical")
SEUT	9	173	1969	2018-09-09	2018-09-09	SEUTretOUTSAt9<-ln(SEUTaprx[173:1969]/lead(SEUTaprx[173:1969], 1))[1:1796]	datSEUTretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEUTretOUTSAt9))	SEUTESHIt9<-ES(datSEUTretOUTSAt9$rev.SEUTretOUTSAt9, p=0.975, method="historical")
SEUT	10	172	1968	2018-09-10	2018-09-10	SEUTretOUTSAt10<-ln(SEUTaprx[172:1968]/lead(SEUTaprx[172:1968], 1))[1:1796]	datSEUTretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEUTretOUTSAt10))	SEUTESHIt10<-ES(datSEUTretOUTSAt10$rev.SEUTretOUTSAt10, p=0.975, method="historical")
SEUT	11	171	1967	2018-09-11	2018-09-11	SEUTretOUTSAt11<-ln(SEUTaprx[171:1967]/lead(SEUTaprx[171:1967], 1))[1:1796]	datSEUTretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEUTretOUTSAt11))	SEUTESHIt11<-ES(datSEUTretOUTSAt11$rev.SEUTretOUTSAt11, p=0.975, method="historical")
SEUT	12	170	1966	2018-09-12	2018-09-12	SEUTretOUTSAt12<-ln(SEUTaprx[170:1966]/lead(SEUTaprx[170:1966], 1))[1:1796]	datSEUTretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEUTretOUTSAt12))	SEUTESHIt12<-ES(datSEUTretOUTSAt12$rev.SEUTretOUTSAt12, p=0.975, method="historical")
SEUT	13	169	1965	2018-09-13	2018-09-13	SEUTretOUTSAt13<-ln(SEUTaprx[169:1965]/lead(SEUTaprx[169:1965], 1))[1:1796]	datSEUTretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEUTretOUTSAt13))	SEUTESHIt13<-ES(datSEUTretOUTSAt13$rev.SEUTretOUTSAt13, p=0.975, method="historical")
SEUT	14	168	1964	2018-09-14	2018-09-14	SEUTretOUTSAt14<-ln(SEUTaprx[168:1964]/lead(SEUTaprx[168:1964], 1))[1:1796]	datSEUTretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEUTretOUTSAt14))	SEUTESHIt14<-ES(datSEUTretOUTSAt14$rev.SEUTretOUTSAt14, p=0.975, method="historical")
SEUT	15	167	1963	2018-09-15	2018-09-15	SEUTretOUTSAt15<-ln(SEUTaprx[167:1963]/lead(SEUTaprx[167:1963], 1))[1:1796]	datSEUTretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEUTretOUTSAt15))	SEUTESHIt15<-ES(datSEUTretOUTSAt15$rev.SEUTretOUTSAt15, p=0.975, method="historical")
SEUT	16	166	1962	2018-09-16	2018-09-16	SEUTretOUTSAt16<-ln(SEUTaprx[166:1962]/lead(SEUTaprx[166:1962], 1))[1:1796]	datSEUTretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEUTretOUTSAt16))	SEUTESHIt16<-ES(datSEUTretOUTSAt16$rev.SEUTretOUTSAt16, p=0.975, method="historical")
SEUT	17	165	1961	2018-09-17	2018-09-17	SEUTretOUTSAt17<-ln(SEUTaprx[165:1961]/lead(SEUTaprx[165:1961], 1))[1:1796]	datSEUTretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEUTretOUTSAt17))	SEUTESHIt17<-ES(datSEUTretOUTSAt17$rev.SEUTretOUTSAt17, p=0.975, method="historical")
SEUT	18	164	1960	2018-09-18	2018-09-18	SEUTretOUTSAt18<-ln(SEUTaprx[164:1960]/lead(SEUTaprx[164:1960], 1))[1:1796]	datSEUTretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEUTretOUTSAt18))	SEUTESHIt18<-ES(datSEUTretOUTSAt18$rev.SEUTretOUTSAt18, p=0.975, method="historical")
SEUT	19	163	1959	2018-09-19	2018-09-19	SEUTretOUTSAt19<-ln(SEUTaprx[163:1959]/lead(SEUTaprx[163:1959], 1))[1:1796]	datSEUTretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEUTretOUTSAt19))	SEUTESHIt19<-ES(datSEUTretOUTSAt19$rev.SEUTretOUTSAt19, p=0.975, method="historical")
SEUT	20	162	1958	2018-09-20	2018-09-20	SEUTretOUTSAt20<-ln(SEUTaprx[162:1958]/lead(SEUTaprx[162:1958], 1))[1:1796]	datSEUTretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEUTretOUTSAt20))	SEUTESHIt20<-ES(datSEUTretOUTSAt20$rev.SEUTretOUTSAt20, p=0.975, method="historical")
SEUT	21	161	1957	2018-09-21	2018-09-21	SEUTretOUTSAt21<-ln(SEUTaprx[161:1957]/lead(SEUTaprx[161:1957], 1))[1:1796]	datSEUTretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEUTretOUTSAt21))	SEUTESHIt21<-ES(datSEUTretOUTSAt21$rev.SEUTretOUTSAt21, p=0.975, method="historical")
SEUT	22	160	1956	2018-09-22	2018-09-22	SEUTretOUTSAt22<-ln(SEUTaprx[160:1956]/lead(SEUTaprx[160:1956], 1))[1:1796]	datSEUTretOUTSAt22<-

SEUT	79	103	1899	2018-11-18	2018-11-18	SEUTretOUTSAt79<-ln(SEUTaprx[103:1899]/lead(SEUTaprx[103:1899], 1))[1:1796]	datSEUTretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEUTretOUTSAt79))	SEUTESHit79<-ES(datSEUTretOUTSAt79$rev.SEUTretOUTSAt79, p=0.975, method="historical")
SEUT	80	102	1898	2018-11-19	2018-11-19	SEUTretOUTSAt80<-ln(SEUTaprx[102:1898]/lead(SEUTaprx[102:1898], 1))[1:1796]	datSEUTretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEUTretOUTSAt80))	SEUTESHit80<-ES(datSEUTretOUTSAt80$rev.SEUTretOUTSAt80, p=0.975, method="historical")
SEUT	81	101	1897	2018-11-20	2018-11-20	SEUTretOUTSAt81<-ln(SEUTaprx[101:1897]/lead(SEUTaprx[101:1897], 1))[1:1796]	datSEUTretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEUTretOUTSAt81))	SEUTESHit81<-ES(datSEUTretOUTSAt81$rev.SEUTretOUTSAt81, p=0.975, method="historical")
SEUT	82	100	1896	2018-11-21	2018-11-21	SEUTretOUTSAt82<-ln(SEUTaprx[100:1896]/lead(SEUTaprx[100:1896], 1))[1:1796]	datSEUTretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEUTretOUTSAt82))	SEUTESHit82<-ES(datSEUTretOUTSAt82$rev.SEUTretOUTSAt82, p=0.975, method="historical")
SEUT	83	99	1895	2018-11-22	2018-11-22	SEUTretOUTSAt83<-ln(SEUTaprx[99:1895]/lead(SEUTaprx[99:1895], 1))[1:1796]	datSEUTretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEUTretOUTSAt83))	SEUTESHit83<-ES(datSEUTretOUTSAt83$rev.SEUTretOUTSAt83, p=0.975, method="historical")
SEUT	84	98	1894	2018-11-23	2018-11-23	SEUTretOUTSAt84<-ln(SEUTaprx[98:1894]/lead(SEUTaprx[98:1894], 1))[1:1796]	datSEUTretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEUTretOUTSAt84))	SEUTESHit84<-ES(datSEUTretOUTSAt84$rev.SEUTretOUTSAt84, p=0.975, method="historical")
SEUT	85	97	1893	2018-11-24	2018-11-24	SEUTretOUTSAt85<-ln(SEUTaprx[97:1893]/lead(SEUTaprx[97:1893], 1))[1:1796]	datSEUTretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEUTretOUTSAt85))	SEUTESHit85<-ES(datSEUTretOUTSAt85$rev.SEUTretOUTSAt85, p=0.975, method="historical")
SEUT	86	96	1892	2018-11-25	2018-11-25	SEUTretOUTSAt86<-ln(SEUTaprx[96:1892]/lead(SEUTaprx[96:1892], 1))[1:1796]	datSEUTretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEUTretOUTSAt86))	SEUTESHit86<-ES(datSEUTretOUTSAt86$rev.SEUTretOUTSAt86, p=0.975, method="historical")
SEUT	87	95	1891	2018-11-26	2018-11-26	SEUTretOUTSAt87<-ln(SEUTaprx[95:1891]/lead(SEUTaprx[95:1891], 1))[1:1796]	datSEUTretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEUTretOUTSAt87))	SEUTESHit87<-ES(datSEUTretOUTSAt87$rev.SEUTretOUTSAt87, p=0.975, method="historical")
SEUT	88	94	1890	2018-11-27	2018-11-27	SEUTretOUTSAt88<-ln(SEUTaprx[94:1890]/lead(SEUTaprx[94:1890], 1))[1:1796]	datSEUTretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEUTretOUTSAt88))	SEUTESHit88<-ES(datSEUTretOUTSAt88$rev.SEUTretOUTSAt88, p=0.975, method="historical")
SEUT	89	93	1889	2018-11-28	2018-11-28	SEUTretOUTSAt89<-ln(SEUTaprx[93:1889]/lead(SEUTaprx[93:1889], 1))[1:1796]	datSEUTretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEUTretOUTSAt89))	SEUTESHit89<-ES(datSEUTretOUTSAt89$rev.SEUTretOUTSAt89, p=0.975, method="historical")
SEUT	90	92	1888	2018-11-29	2018-11-29	SEUTretOUTSAt90<-ln(SEUTaprx[92:1888]/lead(SEUTaprx[92:1888], 1))[1:1796]	datSEUTretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEUTretOUTSAt90))	SEUTESHit90<-ES(datSEUTretOUTSAt90$rev.SEUTretOUTSAt90, p=0.975, method="historical")
SEUT	91	91	1887	2018-11-30	2018-11-30	SEUTretOUTSAt91<-ln(SEUTaprx[91:1887]/lead(SEUTaprx[91:1887], 1))[1:1796]	datSEUTretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEUTretOUTSAt91))	SEUTESHit91<-ES(datSEUTretOUTSAt91$rev.SEUTretOUTSAt91, p=0.975, method="historical")
SEUT	92	90	1886	2018-12-01	2018-12-01	SEUTretOUTSAt92<-ln(SEUTaprx[90:1886]/lead(SEUTaprx[90:1886], 1))[1:1796]	datSEUTretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEUTretOUTSAt92))	SEUTESHit92<-ES(datSEUTretOUTSAt92$rev.SEUTretOUTSAt92, p=0.975, method="historical")
SEUT	93	89	1885	2018-12-02	2018-12-02	SEUTretOUTSAt93<-ln(SEUTaprx[89:1885]/lead(SEUTaprx[89:1885], 1))[1:1796]	datSEUTretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEUTretOUTSAt93))	SEUTESHit93<-ES(datSEUTretOUTSAt93$rev.SEUTretOUTSAt93, p=0.975, method="historical")
SEUT	94	88	1884	2018-12-03	2018-12-03	SEUTretOUTSAt94<-ln(SEUTaprx[88:1884]/lead(SEUTaprx[88:1884], 1))[1:1796]	datSEUTretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEUTretOUTSAt94))	SEUTESHit94<-ES(datSEUTretOUTSAt94$rev.SEUTretOUTSAt94, p=0.975, method="historical")
SEUT	95	87	1883	2018-12-04	2018-12-04	SEUTretOUTSAt95<-ln(SEUTaprx[87:1883]/lead(SEUTaprx[87:1883], 1))[1:1796]	datSEUTretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEUTretOUTSAt95))	SEUTESHit95<-ES(datSEUTretOUTSAt95$rev.SEUTretOUTSAt95, p=0.975, method="historical")
SEUT	96	86	1882	2018-12-05	2018-12-05	SEUTretOUTSAt96<-ln(SEUTaprx[86:1882]/lead(SEUTaprx[86:1882], 1))[1:1796]	datSEUTretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEUTretOUTSAt96))	SEUTESHit96<-ES(datSEUTretOUTSAt96$rev.SEUTretOUTSAt96, p=0.975, method="historical")
SEUT	97	85	1881	2018-12-06	2018-12-06	SEUTretOUTSAt97<-ln(SEUTaprx[85:1881]/lead(SEUTaprx[85:1881], 1))[1:1796]	datSEUTretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEUTretOUTSAt97))	SEUTESHit97<-ES(datSEUTretOUTSAt97$rev.SEUTretOUTSAt97, p=0.975, method="historical")
SEUT	98	84	1880	2018-12-07	2018-12-07	SEUTretOUTSAt98<-ln(SEUTaprx[84:1880]/lead(SEUTaprx[84:1880], 1))[1:1796]	datSEUTretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEUTretOUTSAt98))	SEUTESHit98<-ES(datSEUTretOUTSAt98$rev.SEUTretOUTSAt98, p=0.975, method="historical")
SEUT	99	83	1879	2018-12-08	2018-12-08	SEUTretOUTSAt99<-ln(SEUTaprx[83:1879]/lead(SEUTaprx[83:1879], 1))[1:1796]	datSEUTretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEUTretOUTSAt99))	SEUTESHit99<-ES(datSEUTretOUTSAt99$rev.SEUTretOUTSAt99, p=0.975, method="historical")
SEUT	100	82	1878	2018-12-09	2018-12-09	SEUTretOUTSAt100<-ln(SEUTaprx[82:1878]/lead(SEUTaprx[82:1878], 1))[1:1796]	datSEUTretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEUTretOUTSAt100))	SEUTESHit100<-ES(datSEUTretOUTSAt100$rev.SEUTretOUTSAt100, p=0.975, method="historical")
SEUT	101	81	1877	2018-12-10	2018-12-10	SEUTretOUTSAt101<-ln(SEUTaprx[81:1877]/lead(SEUTaprx[81:1877], 1))[1:1796]	datSEUTretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEUTretOUTSAt101))	SEUTESHit101<-ES(datSEUTretOUTSAt101$rev.SEUTretOUTSAt101, p=0.975, method="historical")
SEUT	102	80	1876	2018-12-11	2018-12-11	SEUTretOUTSAt102<-ln(SEUTaprx[80:1876]/lead(SEUTaprx[80:1876], 1))[1:1796]	datSEUTretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEUTretOUTSAt102))	SEUTESHit102<-ES(datSEUTretOUTSAt102$rev.SEUTretOUTSAt102, p=0.975, method="historical")
SEUT	103	79	1875	2018-12-12	2018-12-12	SEUTretOUTSAt103<-ln(SEUTaprx[79:1875]/lead(SEUTaprx[79:1875], 1))[1:1796]	datSEUTretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEUTretOUTSAt103))	SEUTESHit103<-ES(datSEUTretOUTSAt103$rev.SEUTretOUTSAt103, p=0.975, method="historical")
SEUT	104	78	1874	2018-12-13	2018-12-13	SEUTretOUTSAt104<-ln(SEUTaprx[78:1874]/lead(SEUTaprx[78:1874], 1))[1:1796]	datSEUTretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEUTretOUTSAt104))	SEUTESHit104<-ES(datSEUTretOUTSAt104$rev.SEUTretOUTSAt104, p=0.975, method="historical")
SEUT	105	77	1873	2018-12-14	2018-12-14	SEUTretOUTSAt105<-ln(SEUTaprx[77:1873]/lead(SEUTaprx[77:1873], 1))[1:1796]	datSEUTretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEUTretOUTSAt105))	SEUTESHit105<-ES(datSEUTretOUTSAt105$rev.SEUTretOUTSAt105, p=0.975, method="historical")
SEUT	106	76	1872	2018-12-15	2018-12-15	SEUTretOUTSAt106<-ln(SEUTaprx[76:1872]/lead(SEUTaprx[76:1872], 1))[1:1796]	datSEUTretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEUTretOUTSAt106))	SEUTESHit106<-ES(datSEUTretOUTSAt106$rev.SEUTretOUTSAt106, p=0.975, method="historical")
SEUT	107	75	1871	2018-12-16	2018-12-16	SEUTretOUTSAt107<-ln(SEUTaprx[75:1871]/lead(SEUTaprx[75:1871], 1))[1:1796]	datSEUTretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEUTretOUTSAt107))	SEUTESHit107<-ES(datSEUTretOUTSAt107$rev.SEUTretOUTSAt107, p=0.975, method="historical")
SEUT	108	74	1870	2018-12-17	2018-12-17	SEUTretOUTSAt108<-ln(SEUTaprx[74:1870]/lead(SEUTaprx[74:1870], 1))[1:1796]	datSEUTretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEUTretOUTSAt108))	SEUTESHit108<-ES(datSEUTretOUTSAt108$rev.SEUTretOUTSAt108, p=0.975, method="historical")
SEUT	109	73	1869	2018-12-18	2018-12-18	SEUTretOUTSAt109<-ln(SEUTaprx[73:1869]/lead(SEUTaprx[73:1869], 1))[1:1796]	datSEUTretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEUTretOUTSAt109))	SEUTESHit109<-ES(datSEUTretOUTSAt109$rev.SEUTretOUTSAt109, p=0.975, method="historical")
SEUT	110	72	1868	2018-12-19	2018-12-19	SEUTretOUTSAt110<-ln(SEUTaprx[72:1868]/lead(SEUTaprx[72:1868], 1))[1:1796]	datSEUTretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEUTretOUTSAt110))	SEUTESHit110<-ES(datSEUTretOUTSAt110$rev.SEUTretOUTSAt110, p=0.975, method="historical")
SEUT	111	71	1867	2018-12-20	2018-12-20	SEUTretOUTSAt111<-ln(SEUTaprx[71:1867]/lead(SEUTaprx[71:1867], 1))[1:1796]	datSEUTretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEUTretOUTSAt111))	SEUTESHit111<-ES(datSEUTretOUTSAt111$rev.SEUTretOUTSAt111, p=0.975, method="historical")
SEUT	112	70	1866	2018-12-21	2018-12-21	SEUTretOUTSAt112<-ln(SEUTaprx[70:1866]/lead(SEUTaprx[70:1866], 1))[1:1796]	datSEUTretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEUTretOUTSAt112))	SEUTESHit112<-ES(datSEUTretOUTSAt112$rev.SEUTretOUTSAt112, p=0.975, method="historical")
SEUT	113	69	1865	2018-12-22	2018-12-22	SEUTretOUTSAt113<-ln(SEUTaprx[69:1865]/lead(SEUTaprx[69:1865], 1))[1:1796]	datSEUTretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEUTretOUTSAt113))	SEUTESHit113<-ES(datSEUTretOUTSAt113$rev.SEUTretOUTSAt113, p=0.975, method="historical")
SEUT	114	68	1864	2018-12-23	2018-12-23	SEUTretOUTSAt114<-ln(SEUTaprx[68:1864]/lead(SEUTaprx[68:1864], 1))[1:1796]	datSEUTretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEUTretOUTSAt114))	SEUTESHit114<-ES(datSEUTretOUTSAt114$rev.SEUTretOUTSAt114, p=0.975, method="historical")
SEUT	115	67	1863	2018-12-24	2018-12-24	SEUTretOUTSAt115<-ln(SEUTaprx[67:1863]/lead(SEUTaprx[67:1863], 1))[1:1796]	datSEUTretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEUTretOUTSAt115))	SEUTESHit115<-ES(datSEUTretOUTSAt115$rev.SEUTretOUTSAt115, p=0.975, method="historical")
SEUT	116	66	1862	2018-12-25	2018-12-25	SEUTretOUTSAt116<-ln(SEUTaprx[66:1862]/lead(SEUTaprx[66:1862], 1))[1:1796]	datSEUTretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEUTretOUTSAt116))	SEUTESHit116<-ES(datSEUTretOUTSAt116$rev.SEUTretOUTSAt116, p=0.975, method="historical")
SEUT	117	65	1861	2018-12-26	2018-12-26	SEUTretOUTSAt117<-ln(SEUTaprx[65:1861]/lead(SEUTaprx[65:1861], 1))[1:1796]	datSEUTretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEUTretOUTSAt117))	SEUTESHit117<-ES(datSEUTretOUTSAt117$rev.SEUTretOUTSAt117, p=0.975, method="historical")
SEUT	118	64	1860	2018-12-27	2018-12-27	SEUTretOUTSAt118<-ln(SEUTaprx[64:1860]/lead(SEUTaprx[64:1860], 1))[1:1796]	datSEUTretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEUTretOUTSAt118))	SEUTESHit118<-ES(datSEUTretOUTSAt118$rev.SEUTretOUTSAt118, p=0.975, method="historical")
SEUT	119	63	1859	2018-12-28	2018-12-28	SEUTretOUTSAt119<-ln(SEUTaprx[63:1859]/lead(SEUTaprx[63:1859], 1))[1:1796]	datSEUTretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEUTretOUTSAt119))	SEUTESHit119<-ES(datSEUTretOUTSAt119$rev.SEUTretOUTSAt119, p=0.975, method="historical")
SEUT	120	62	1858	2018-12-29	2018-12-29	SEUTretOUTSAt120<-ln(SEUTaprx[62:1858]/lead(SEUTaprx[62:1858], 1))[1:1796]	datSEUTretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEUTretOUTSAt120))	SEUTESHit120<-ES(datSEUTretOUTSAt120$rev.SEUTretOUTSAt120, p=0.975, method="historical")
SEUT	121	61	1857	2018-12-30	2018-12-30	SEUTretOUTSAt121<-ln(SEUTaprx[61:1857]/lead(SEUTaprx[61:1857], 1))[1:1796]	datSEUTretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEUTretOUTSAt121))	SEUTESHit121<-ES(datSEUTretOUTSAt121$rev.SEUTretOUTSAt121, p=0.975, method="historical")
SEUT	122	60	1856	2018-12-31	2018-12-31	SEUTretOUTSAt122<-ln(SEUTaprx[60:1856]/lead(SEUTaprx[60:1856], 1))[1:1796]	datSEUTretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEUTretOUTSAt122))	SEUTESHit122<-ES(datSEUTretOUTSAt122$rev.SEUTretOUTSAt122, p=0.975, method="historical")
SEUT	123	59	1855	2019-01-01	2019-01-01	SEUTretOUTSAt123<-ln(SEUTaprx[59:1855]/lead(SEUTaprx[59:1855], 1))[1:1796]	datSEUTretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEUTretOUTSAt123))	SEUTESHit123<-ES(datSEUTretOUTSAt123$rev.SEUTretOUTSAt123, p=0.975, method="historical")
SEUT	124	58	1854	2019-01-02	2019-01-02	SEUTretOUTSAt124<-ln(SEUTaprx[58:1854]/lead(SEUTaprx[58:1854], 1))[1:1796]	datSEUTretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEUTretOUTSAt124))	SEUTESHit124<-ES(datSEUTretOUTSAt124$rev.SEUTretOUTSAt124, p=0.975, method="historical")
SEUT	125	57	1853	2019-01-03	2019-01-03	SEUTretOUTSAt125<-ln(SEUTaprx[57:1853]/lead(SEUTaprx[57:1853], 1))[1:1796]	datSEUTretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEUTretOUTSAt125))	SEUTESHit125<-ES(datSEUTretOUTSAt125$rev.SEUTretOUTSAt125, p=0.975, method="historical")
SEUT	126	56	1852	2019-01-04	2019-01-04	SEUTretOUTSAt126<-ln(SEUTaprx[56:1852]/lead(SEUTaprx[56:1852], 1))[1:1796]	datSEUTretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEUTretOUTSAt126))	SEUTESHit126<-ES(datSEUTretOUTSAt126$rev.SEUTretOUTSAt126, p=0.975, method="historical")
SEUT	127	55	1851	2019-01-05	2019-01-05	SEUTretOUTSAt127<-ln(SEUTaprx[55:1851]/lead(SEUTaprx[55:1851], 1))[1:1796]	datSEUTretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEUTretOUTSAt127))	SEUTESHit127<-ES(datSEUTretOUTSAt127$rev.SEUTretOUTSAt127, p=0.975, method="historical")
SEUT	128	54	1850	2019-01-06	2019-01-06	SEUTretOUTSAt128<-ln(SEUTaprx[54:1850]/lead(SEUTaprx[54:1850], 1))[1:1796]	datSEUTretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEUTretOUTSAt128))	SEUTESHit128<-ES(datSEUTretOUTSAt128$rev.SEUTretOUTSAt128, p=0.975, method="historical")
SEUT	129	53	1849	2019-01-07	2019-01-07	SEUTretOUTSAt129<-ln(SEUTaprx[53:1849]/lead(SEUTaprx[53:1849], 1))[1:1796]	datSEUTretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEUTretOUTSAt129))	SEUTESHit129<-ES(datSEUTretOUTSAt129$rev.SEUTretOUTSAt129, p=0.975, method="historical")
SEUT	130	52	1848	2019-01-08	2019-01-08	SEUTretOUTSAt130<-ln(SEUTaprx[52:1848]/lead(SEUTaprx[52:1848], 1))[1:1796]	datSEUTretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEUTretOUTSAt130))	SEUTESHit130<-ES(datSEUTretOUTSAt130$rev.SEUTretOUTSAt130, p=0.975, method="historical")
SEUT	131	51	1847	2019-01-09	2019-01-09	SEUTretOUTSAt131<-ln(SEUTaprx[51:1847]/lead(SEUTaprx[51:1847], 1))[1:1796]	datSEUTretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEUTretOUTSAt131))	SEUTESHit131<-ES(datSEUTretOUTSAt131$rev.SEUTretOUTSAt131, p=0.975, method="historical")
SEUT	132	50	1846	2019-01-10	2019-01-10	SEUTretOUTSAt132<-ln(SEUTaprx[50:1846]/lead(SEUTaprx[50:1846], 1))[1:1796]	datSEUTretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEUTretOUTSAt132))	SEUTESHit132<-ES(datSEUTretOUTSAt132$rev.SEUTretOUTSAt132, p=0.975, method="historical")
SEUT	133	49	1845	2019-01-11	2019-01-11	SEUTretOUTSAt133<-ln(SEUTaprx[49:1845]/lead(SEUTaprx[49:1845], 1))[1:1796]	datSEUTretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEUTretOUTSAt133))	SEUTESHit133<-ES(datSEUTretOUTSAt133$rev.SEUTretOUTSAt133, p=0.975, method="historical")
SEUT	134	48	1844	2019-01-12	2019-01-12	SEUTretOUTSAt134<-ln(SEUTaprx[48:1844]/lead(SEUTaprx[48:1844], 1))[1:1796]	datSEUTretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEUTretOUTSAt134))	SEUTESHit134<-ES(datSEUTretOUTSAt134$rev.SEUTretOUTSAt134, p=0.975, method="historical")
SEUT	135	47	1843	2019-01-13	2019-01-13	SEUTretOUTSAt135<-ln(SEUTaprx[47:1843]/lead(SEUTaprx[47:1843], 1))[1:1796]	datSEUTretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEUTretOUTSAt135))	SEUTESHit135<-ES(datSEUTretOUTSAt135$rev.SEUTretOUTSAt135, p=0.975, method="historical")
SEUT	136	46	1842	2019-01-14	2019-01-14	SEUTretOUTSAt136<-ln(SEUTaprx[46:1842]/lead(SEUTaprx[46:1842], 1))[1:1796]	datSEUTretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEUTretOUTSAt136))	SEUTESHit136<-ES(datSEUTretOUTSAt136$rev.SEUTretOUTSAt136, p=0.975, method="historical")
SEUT	137	45	1841	2019-01-15	2019-01-15	SEUTretOUTSAt137<-ln(SEUTaprx[45:1841]/lead(SEUTaprx[45:1841], 1))[1:1796]	datSEUTretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEUTretOUTSAt137))	SEUTESHit137<-ES(datSEUTretOUTSAt137$rev.SEUTretOUTSAt137, p=0.975, method="historical")
SEUT	138	44	1840	2019-01-16	2019-01-16	SEUTretOUTSAt138<-ln(SEUTaprx[44:1840]/lead(SEUTaprx[44:1840], 1))[1:1796]	datSEUTretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEUTretOUTSAt138))	SEUTESHit138<-ES(datSEUTretOUTSAt138$rev.SEUTretOUTSAt138, p=0.975, method="historical")
SEUT	139	43	1839	2019-01-17	2019-01-17	SEUTretOUTSAt139<-ln(SEUTaprx[43:1839]/lead(SEUTaprx[43:1839], 1))[1:1796]	datSEUTretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEUTretOUTSAt139))	SEUTESHit139<-ES(datSEUTretOUTSAt139$rev.SEUTretOUTSAt139, p=0.975, method="historical")
SEUT	140	42	1838	2019-01-18	2019-01-18	SEUTretOUTSAt140<-ln(SEUTaprx[42:1838]/lead(SEUTaprx[42:1838], 1))[1:1796]	datSEUTretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEUTretOUTSAt140))	SEUTESHit140<-ES(datSEUTretOUTSAt140$rev.SEUTretOUTSAt140, p=0.975, method="historical")
SEUT	141	41	1837	2019-01-19	2019-01-19	SEUTretOUTSAt141<-ln(SEUTaprx[41:1837]/lead(SEUTaprx[41:1837], 1))[1:1796]	datSEUTretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEUTretOUTSAt141))	SEUTESHit141<-ES(datSEUTretOUTSAt141$rev.SEUTretOUTSAt141, p=0.975, method="historical")
SEUT	142	40	1836	2019-01-20	2019-01-20	SEUTretOUTSAt142<-ln(SEUTaprx[40:1836]/lead(SEUTaprx[40:1836], 1))[1:1796]	datSEUTretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEUTretOUTSAt142))	SEUTESHit142<-ES(datSEUTretOUTSAt142$rev.SEUTretOUTSAt142, p=0.975, method="historical")
SEUT	143	39	1835	2019-01-21	2019-01-21	SEUTretOUTSAt143<-ln(SEUTaprx[39:1835]/lead(SEUTaprx[39:1835], 1))[1:1796]	datSEUTretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEUTretOUTSAt143))	SEUTESHit143<-ES(datSEUTretOUTSAt143$rev.SEUTretOUTSAt143, p=0.975, method="historical")
SEUT	144	38	1834	2019-01-22	2019-01-22	SEUTretOUTSAt144<-ln(SEUTaprx[38:1834]/lead(SEUTaprx[38:1834], 1))[1:1796]	datSEUTretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEUTretOUTSAt144))	SEUTESHit144<-ES(datSEUTretOUTSAt144$rev.SEUTretOUTSAt144, p=0.975, method="historical")
SEUT	145	37	1833	2019-01-23	2019-01-23	SEUTretOUTSAt145<-ln(SEUTaprx[37:1833]/lead(SEUTaprx[37:1833], 1))[1:1796]	datSEUTretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEUTretOUTSAt145))	SEUTESHit145<-ES(datSEUTretOUTSAt145$rev.SEUTretOUTSAt145, p=0.975, method="historical")
SEUT	146	36	1832	2019-01-24	2019-01-24	SEUTretOUTSAt146<-ln(SEUTaprx[36:1832]/lead(SEUTaprx[36:1832], 1))[1:1796]	datSEUTretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEUTretOUTSAt146))	SEUTESHit146<-ES(datSEUTretOUTSAt146$rev.SEUTretOUTSAt146, p=0.975, method="historical")
SEUT	147	35	1831	2019-01-25	2019-01-25	SEUTretOUTSAt147<-ln(SEUTaprx[35:1831]/lead(SEUTaprx[35:1831], 1))[1:1796]	datSEUTretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEUTretOUTSAt147))	SEUTESHit147<-ES(datSEUTretOUTSAt147$rev.SEUTretOUTSAt147, p=0.975, method="historical")
SEUT	148	34	1830	2019-01-26	2019-01-26	SEUTretOUTSAt148<-ln(SEUTaprx[34:1830]/lead(SEUTaprx[34:1830], 1))[1:1796]	datSEUTretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEUTretOUTSAt148))	SEUTESHit148<-ES(datSEUTretOUTSAt148$rev.SEUTretOUTSAt148, p=0.975, method="historical")
SEUT	149	33	1829	2019-01-27	2019-01-27	SEUTretOUTSAt149<-ln(SEUTaprx[33:1829]/lead(SEUTaprx[33:1829], 1))[1:1796]	datSEUTretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEUTretOUTSAt149))	SEUTESHit149<-ES(datSEUTretOUTSAt149$rev.SEUTret

SETR	25	157	1953	2018-09-25	2018-09-25	SETRretOUTSAt25<-ln(SETRaprx[157:1953]/lead(SETRaprx[157:1953], 1))[1:1796]	datSETRretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SETRretOUTSAt25))	SETRESHIt25<-ES(datSETRretOUTSAt25$rev.SETRretOUTSAt25, p=0.975, method="historical")
SETR	26	156	1952	2018-09-26	2018-09-26	SETRretOUTSAt26<-ln(SETRaprx[156:1952]/lead(SETRaprx[156:1952], 1))[1:1796]	datSETRretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SETRretOUTSAt26))	SETRESHIt26<-ES(datSETRretOUTSAt26$rev.SETRretOUTSAt26, p=0.975, method="historical")
SETR	27	155	1951	2018-09-27	2018-09-27	SETRretOUTSAt27<-ln(SETRaprx[155:1951]/lead(SETRaprx[155:1951], 1))[1:1796]	datSETRretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SETRretOUTSAt27))	SETRESHIt27<-ES(datSETRretOUTSAt27$rev.SETRretOUTSAt27, p=0.975, method="historical")
SETR	28	154	1950	2018-09-28	2018-09-28	SETRretOUTSAt28<-ln(SETRaprx[154:1950]/lead(SETRaprx[154:1950], 1))[1:1796]	datSETRretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SETRretOUTSAt28))	SETRESHIt28<-ES(datSETRretOUTSAt28$rev.SETRretOUTSAt28, p=0.975, method="historical")
SETR	29	153	1949	2018-09-29	2018-09-29	SETRretOUTSAt29<-ln(SETRaprx[153:1949]/lead(SETRaprx[153:1949], 1))[1:1796]	datSETRretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SETRretOUTSAt29))	SETRESHIt29<-ES(datSETRretOUTSAt29$rev.SETRretOUTSAt29, p=0.975, method="historical")
SETR	30	152	1948	2018-09-30	2018-09-30	SETRretOUTSAt30<-ln(SETRaprx[152:1948]/lead(SETRaprx[152:1948], 1))[1:1796]	datSETRretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SETRretOUTSAt30))	SETRESHIt30<-ES(datSETRretOUTSAt30$rev.SETRretOUTSAt30, p=0.975, method="historical")
SETR	31	151	1947	2018-10-01	2018-10-01	SETRretOUTSAt31<-ln(SETRaprx[151:1947]/lead(SETRaprx[151:1947], 1))[1:1796]	datSETRretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SETRretOUTSAt31))	SETRESHIt31<-ES(datSETRretOUTSAt31$rev.SETRretOUTSAt31, p=0.975, method="historical")
SETR	32	150	1946	2018-10-02	2018-10-02	SETRretOUTSAt32<-ln(SETRaprx[150:1946]/lead(SETRaprx[150:1946], 1))[1:1796]	datSETRretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SETRretOUTSAt32))	SETRESHIt32<-ES(datSETRretOUTSAt32$rev.SETRretOUTSAt32, p=0.975, method="historical")
SETR	33	149	1945	2018-10-03	2018-10-03	SETRretOUTSAt33<-ln(SETRaprx[149:1945]/lead(SETRaprx[149:1945], 1))[1:1796]	datSETRretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SETRretOUTSAt33))	SETRESHIt33<-ES(datSETRretOUTSAt33$rev.SETRretOUTSAt33, p=0.975, method="historical")
SETR	34	148	1944	2018-10-04	2018-10-04	SETRretOUTSAt34<-ln(SETRaprx[148:1944]/lead(SETRaprx[148:1944], 1))[1:1796]	datSETRretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SETRretOUTSAt34))	SETRESHIt34<-ES(datSETRretOUTSAt34$rev.SETRretOUTSAt34, p=0.975, method="historical")
SETR	35	147	1943	2018-10-05	2018-10-05	SETRretOUTSAt35<-ln(SETRaprx[147:1943]/lead(SETRaprx[147:1943], 1))[1:1796]	datSETRretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SETRretOUTSAt35))	SETRESHIt35<-ES(datSETRretOUTSAt35$rev.SETRretOUTSAt35, p=0.975, method="historical")
SETR	36	146	1942	2018-10-06	2018-10-06	SETRretOUTSAt36<-ln(SETRaprx[146:1942]/lead(SETRaprx[146:1942], 1))[1:1796]	datSETRretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SETRretOUTSAt36))	SETRESHIt36<-ES(datSETRretOUTSAt36$rev.SETRretOUTSAt36, p=0.975, method="historical")
SETR	37	145	1941	2018-10-07	2018-10-07	SETRretOUTSAt37<-ln(SETRaprx[145:1941]/lead(SETRaprx[145:1941], 1))[1:1796]	datSETRretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SETRretOUTSAt37))	SETRESHIt37<-ES(datSETRretOUTSAt37$rev.SETRretOUTSAt37, p=0.975, method="historical")
SETR	38	144	1940	2018-10-08	2018-10-08	SETRretOUTSAt38<-ln(SETRaprx[144:1940]/lead(SETRaprx[144:1940], 1))[1:1796]	datSETRretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SETRretOUTSAt38))	SETRESHIt38<-ES(datSETRretOUTSAt38$rev.SETRretOUTSAt38, p=0.975, method="historical")
SETR	39	143	1939	2018-10-09	2018-10-09	SETRretOUTSAt39<-ln(SETRaprx[143:1939]/lead(SETRaprx[143:1939], 1))[1:1796]	datSETRretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SETRretOUTSAt39))	SETRESHIt39<-ES(datSETRretOUTSAt39$rev.SETRretOUTSAt39, p=0.975, method="historical")
SETR	40	142	1938	2018-10-10	2018-10-10	SETRretOUTSAt40<-ln(SETRaprx[142:1938]/lead(SETRaprx[142:1938], 1))[1:1796]	datSETRretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SETRretOUTSAt40))	SETRESHIt40<-ES(datSETRretOUTSAt40$rev.SETRretOUTSAt40, p=0.975, method="historical")
SETR	41	141	1937	2018-10-11	2018-10-11	SETRretOUTSAt41<-ln(SETRaprx[141:1937]/lead(SETRaprx[141:1937], 1))[1:1796]	datSETRretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SETRretOUTSAt41))	SETRESHIt41<-ES(datSETRretOUTSAt41$rev.SETRretOUTSAt41, p=0.975, method="historical")
SETR	42	140	1936	2018-10-12	2018-10-12	SETRretOUTSAt42<-ln(SETRaprx[140:1936]/lead(SETRaprx[140:1936], 1))[1:1796]	datSETRretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SETRretOUTSAt42))	SETRESHIt42<-ES(datSETRretOUTSAt42$rev.SETRretOUTSAt42, p=0.975, method="historical")
SETR	43	139	1935	2018-10-13	2018-10-13	SETRretOUTSAt43<-ln(SETRaprx[139:1935]/lead(SETRaprx[139:1935], 1))[1:1796]	datSETRretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SETRretOUTSAt43))	SETRESHIt43<-ES(datSETRretOUTSAt43$rev.SETRretOUTSAt43, p=0.975, method="historical")
SETR	44	138	1934	2018-10-14	2018-10-14	SETRretOUTSAt44<-ln(SETRaprx[138:1934]/lead(SETRaprx[138:1934], 1))[1:1796]	datSETRretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SETRretOUTSAt44))	SETRESHIt44<-ES(datSETRretOUTSAt44$rev.SETRretOUTSAt44, p=0.975, method="historical")
SETR	45	137	1933	2018-10-15	2018-10-15	SETRretOUTSAt45<-ln(SETRaprx[137:1933]/lead(SETRaprx[137:1933], 1))[1:1796]	datSETRretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SETRretOUTSAt45))	SETRESHIt45<-ES(datSETRretOUTSAt45$rev.SETRretOUTSAt45, p=0.975, method="historical")
SETR	46	136	1932	2018-10-16	2018-10-16	SETRretOUTSAt46<-ln(SETRaprx[136:1932]/lead(SETRaprx[136:1932], 1))[1:1796]	datSETRretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SETRretOUTSAt46))	SETRESHIt46<-ES(datSETRretOUTSAt46$rev.SETRretOUTSAt46, p=0.975, method="historical")
SETR	47	135	1931	2018-10-17	2018-10-17	SETRretOUTSAt47<-ln(SETRaprx[135:1931]/lead(SETRaprx[135:1931], 1))[1:1796]	datSETRretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SETRretOUTSAt47))	SETRESHIt47<-ES(datSETRretOUTSAt47$rev.SETRretOUTSAt47, p=0.975, method="historical")
SETR	48	134	1930	2018-10-18	2018-10-18	SETRretOUTSAt48<-ln(SETRaprx[134:1930]/lead(SETRaprx[134:1930], 1))[1:1796]	datSETRretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SETRretOUTSAt48))	SETRESHIt48<-ES(datSETRretOUTSAt48$rev.SETRretOUTSAt48, p=0.975, method="historical")
SETR	49	133	1929	2018-10-19	2018-10-19	SETRretOUTSAt49<-ln(SETRaprx[133:1929]/lead(SETRaprx[133:1929], 1))[1:1796]	datSETRretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SETRretOUTSAt49))	SETRESHIt49<-ES(datSETRretOUTSAt49$rev.SETRretOUTSAt49, p=0.975, method="historical")
SETR	50	132	1928	2018-10-20	2018-10-20	SETRretOUTSAt50<-ln(SETRaprx[132:1928]/lead(SETRaprx[132:1928], 1))[1:1796]	datSETRretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SETRretOUTSAt50))	SETRESHIt50<-ES(datSETRretOUTSAt50$rev.SETRretOUTSAt50, p=0.975, method="historical")
SETR	51	131	1927	2018-10-21	2018-10-21	SETRretOUTSAt51<-ln(SETRaprx[131:1927]/lead(SETRaprx[131:1927], 1))[1:1796]	datSETRretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SETRretOUTSAt51))	SETRESHIt51<-ES(datSETRretOUTSAt51$rev.SETRretOUTSAt51, p=0.975, method="historical")
SETR	52	130	1926	2018-10-22	2018-10-22	SETRretOUTSAt52<-ln(SETRaprx[130:1926]/lead(SETRaprx[130:1926], 1))[1:1796]	datSETRretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SETRretOUTSAt52))	SETRESHIt52<-ES(datSETRretOUTSAt52$rev.SETRretOUTSAt52, p=0.975, method="historical")
SETR	53	129	1925	2018-10-23	2018-10-23	SETRretOUTSAt53<-ln(SETRaprx[129:1925]/lead(SETRaprx[129:1925], 1))[1:1796]	datSETRretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SETRretOUTSAt53))	SETRESHIt53<-ES(datSETRretOUTSAt53$rev.SETRretOUTSAt53, p=0.975, method="historical")
SETR	54	128	1924	2018-10-24	2018-10-24	SETRretOUTSAt54<-ln(SETRaprx[128:1924]/lead(SETRaprx[128:1924], 1))[1:1796]	datSETRretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SETRretOUTSAt54))	SETRESHIt54<-ES(datSETRretOUTSAt54$rev.SETRretOUTSAt54, p=0.975, method="historical")
SETR	55	127	1923	2018-10-25	2018-10-25	SETRretOUTSAt55<-ln(SETRaprx[127:1923]/lead(SETRaprx[127:1923], 1))[1:1796]	datSETRretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SETRretOUTSAt55))	SETRESHIt55<-ES(datSETRretOUTSAt55$rev.SETRretOUTSAt55, p=0.975, method="historical")
SETR	56	126	1922	2018-10-26	2018-10-26	SETRretOUTSAt56<-ln(SETRaprx[126:1922]/lead(SETRaprx[126:1922], 1))[1:1796]	datSETRretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SETRretOUTSAt56))	SETRESHIt56<-ES(datSETRretOUTSAt56$rev.SETRretOUTSAt56, p=0.975, method="historical")
SETR	57	125	1921	2018-10-27	2018-10-27	SETRretOUTSAt57<-ln(SETRaprx[125:1921]/lead(SETRaprx[125:1921], 1))[1:1796]	datSETRretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SETRretOUTSAt57))	SETRESHIt57<-ES(datSETRretOUTSAt57$rev.SETRretOUTSAt57, p=0.975, method="historical")
SETR	58	124	1920	2018-10-28	2018-10-28	SETRretOUTSAt58<-ln(SETRaprx[124:1920]/lead(SETRaprx[124:1920], 1))[1:1796]	datSETRretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SETRretOUTSAt58))	SETRESHIt58<-ES(datSETRretOUTSAt58$rev.SETRretOUTSAt58, p=0.975, method="historical")
SETR	59	123	1919	2018-10-29	2018-10-29	SETRretOUTSAt59<-ln(SETRaprx[123:1919]/lead(SETRaprx[123:1919], 1))[1:1796]	datSETRretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SETRretOUTSAt59))	SETRESHIt59<-ES(datSETRretOUTSAt59$rev.SETRretOUTSAt59, p=0.975, method="historical")
SETR	60	122	1918	2018-10-30	2018-10-30	SETRretOUTSAt60<-ln(SETRaprx[122:1918]/lead(SETRaprx[122:1918], 1))[1:1796]	datSETRretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SETRretOUTSAt60))	SETRESHIt60<-ES(datSETRretOUTSAt60$rev.SETRretOUTSAt60, p=0.975, method="historical")
SETR	61	121	1917	2018-10-31	2018-10-31	SETRretOUTSAt61<-ln(SETRaprx[121:1917]/lead(SETRaprx[121:1917], 1))[1:1796]	datSETRretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SETRretOUTSAt61))	SETRESHIt61<-ES(datSETRretOUTSAt61$rev.SETRretOUTSAt61, p=0.975, method="historical")
SETR	62	120	1916	2018-11-01	2018-11-01	SETRretOUTSAt62<-ln(SETRaprx[120:1916]/lead(SETRaprx[120:1916], 1))[1:1796]	datSETRretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SETRretOUTSAt62))	SETRESHIt62<-ES(datSETRretOUTSAt62$rev.SETRretOUTSAt62, p=0.975, method="historical")
SETR	63	119	1915	2018-11-02	2018-11-02	SETRretOUTSAt63<-ln(SETRaprx[119:1915]/lead(SETRaprx[119:1915], 1))[1:1796]	datSETRretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SETRretOUTSAt63))	SETRESHIt63<-ES(datSETRretOUTSAt63$rev.SETRretOUTSAt63, p=0.975, method="historical")
SETR	64	118	1914	2018-11-03	2018-11-03	SETRretOUTSAt64<-ln(SETRaprx[118:1914]/lead(SETRaprx[118:1914], 1))[1:1796]	datSETRretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SETRretOUTSAt64))	SETRESHIt64<-ES(datSETRretOUTSAt64$rev.SETRretOUTSAt64, p=0.975, method="historical")
SETR	65	117	1913	2018-11-04	2018-11-04	SETRretOUTSAt65<-ln(SETRaprx[117:1913]/lead(SETRaprx[117:1913], 1))[1:1796]	datSETRretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SETRretOUTSAt65))	SETRESHIt65<-ES(datSETRretOUTSAt65$rev.SETRretOUTSAt65, p=0.975, method="historical")
SETR	66	116	1912	2018-11-05	2018-11-05	SETRretOUTSAt66<-ln(SETRaprx[116:1912]/lead(SETRaprx[116:1912], 1))[1:1796]	datSETRretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SETRretOUTSAt66))	SETRESHIt66<-ES(datSETRretOUTSAt66$rev.SETRretOUTSAt66, p=0.975, method="historical")
SETR	67	115	1911	2018-11-06	2018-11-06	SETRretOUTSAt67<-ln(SETRaprx[115:1911]/lead(SETRaprx[115:1911], 1))[1:1796]	datSETRretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SETRretOUTSAt67))	SETRESHIt67<-ES(datSETRretOUTSAt67$rev.SETRretOUTSAt67, p=0.975, method="historical")
SETR	68	114	1910	2018-11-07	2018-11-07	SETRretOUTSAt68<-ln(SETRaprx[114:1910]/lead(SETRaprx[114:1910], 1))[1:1796]	datSETRretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SETRretOUTSAt68))	SETRESHIt68<-ES(datSETRretOUTSAt68$rev.SETRretOUTSAt68, p=0.975, method="historical")
SETR	69	113	1909	2018-11-08	2018-11-08	SETRretOUTSAt69<-ln(SETRaprx[113:1909]/lead(SETRaprx[113:1909], 1))[1:1796]	datSETRretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SETRretOUTSAt69))	SETRESHIt69<-ES(datSETRretOUTSAt69$rev.SETRretOUTSAt69, p=0.975, method="historical")
SETR	70	112	1908	2018-11-09	2018-11-09	SETRretOUTSAt70<-ln(SETRaprx[112:1908]/lead(SETRaprx[112:1908], 1))[1:1796]	datSETRretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SETRretOUTSAt70))	SETRESHIt70<-ES(datSETRretOUTSAt70$rev.SETRretOUTSAt70, p=0.975, method="historical")
SETR	71	111	1907	2018-11-10	2018-11-10	SETRretOUTSAt71<-ln(SETRaprx[111:1907]/lead(SETRaprx[111:1907], 1))[1:1796]	datSETRretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SETRretOUTSAt71))	SETRESHIt71<-ES(datSETRretOUTSAt71$rev.SETRretOUTSAt71, p=0.975, method="historical")
SETR	72	110	1906	2018-11-11	2018-11-11	SETRretOUTSAt72<-ln(SETRaprx[110:1906]/lead(SETRaprx[110:1906], 1))[1:1796]	datSETRretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SETRretOUTSAt72))	SETRESHIt72<-ES(datSETRretOUTSAt72$rev.SETRretOUTSAt72, p=0.975, method="historical")
SETR	73	109	1905	2018-11-12	2018-11-12	SETRretOUTSAt73<-ln(SETRaprx[109:1905]/lead(SETRaprx[109:1905], 1))[1:1796]	datSETRretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SETRretOUTSAt73))	SETRESHIt73<-ES(datSETRretOUTSAt73$rev.SETRretOUTSAt73, p=0.975, method="historical")
SETR	74	108	1904	2018-11-13	2018-11-13	SETRretOUTSAt74<-ln(SETRaprx[108:1904]/lead(SETRaprx[108:1904], 1))[1:1796]	datSETRretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SETRretOUTSAt74))	SETRESHIt74<-ES(datSETRretOUTSAt74$rev.SETRretOUTSAt74, p=0.975, method="historical")
SETR	75	107	1903	2018-11-14	2018-11-14	SETRretOUTSAt75<-ln(SETRaprx[107:1903]/lead(SETRaprx[107:1903], 1))[1:1796]	datSETRretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SETRretOUTSAt75))	SETRESHIt75<-ES(datSETRretOUTSAt75$rev.SETRretOUTSAt75, p=0.975, method="historical")
SETR	76	106	1902	2018-11-15	2018-11-15	SETRretOUTSAt76<-ln(SETRaprx[106:1902]/lead(SETRaprx[106:1902], 1))[1:1796]	datSETRretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SETRretOUTSAt76))	SETRESHIt76<-ES(datSETRretOUTSAt76$rev.SETRretOUTSAt76, p=0.975, method="historical")
SETR	77	105	1901	2018-11-16	2018-11-16	SETRretOUTSAt77<-ln(SETRaprx[105:1901]/lead(SETRaprx[105:1901], 1))[1:1796]	datSETRretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SETRretOUTSAt77))	SETRESHIt77<-ES(datSETRretOUTSAt77$rev.SETRretOUTSAt77, p=0.975, method="historical")
SETR	78	104	1900	2018-11-17	2018-11-17	SETRretOUTSAt78<-ln(SETRaprx[104:1900]/lead(SETRaprx[104:1900], 1))[1:1796]	datSETRretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SETRretOUTSAt78))	SETRESHIt78<-ES(datSETRretOUTSAt78$rev.SETRretOUTSAt78, p=0.975, method="historical")
SETR	79	103	1899	2018-11-18	2018-11-18	SETRretOUTSAt79<-ln(SETRaprx[103:1899]/lead(SETRaprx[103:1899], 1))[1:1796]	datSETRretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SETRretOUTSAt79))	SETRESHIt79<-ES(datSETRretOUTSAt79$rev.SETRretOUTSAt79, p=0.975, method="historical")
SETR	80	102	1898	2018-11-19	2018-11-19	SETRretOUTSAt80<-ln(SETRaprx[102:1898]/lead(SETRaprx[102:1898], 1))[1:1796]	datSETRretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SETRretOUTSAt80))	SETRESHIt80<-ES(datSETRretOUTSAt80$rev.SETRretOUTSAt80, p=0.975, method="historical")
SETR	81	101	1897	2018-11-20	2018-11-20	SETRretOUTSAt81<-ln(SETRaprx[101:1897]/lead(SETRaprx[101:1897], 1))[1:1796]	datSETRretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SETRretOUTSAt81))	SETRESHIt81<-ES(datSETRretOUTSAt81$rev.SETRretOUTSAt81, p=0.975, method="historical")
SETR	82	100	1896	2018-11-21	2018-11-21	SETRretOUTSAt82<-ln(SETRaprx[100:1896]/lead(SETRaprx[100:1896], 1))[1:1796]	datSETRretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SETRretOUTSAt82))	SETRESHIt82<-ES(datSETRretOUTSAt82$rev.SETRretOUTSAt82, p=0.975, method="historical")
SETR	83	99	1895	2018-11-22	2018-11-22	SETRretOUTSAt83<-ln(SETRaprx[99:1895]/lead(SETRaprx[99:1895], 1))[1:1796]	datSETRretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SETRretOUTSAt83))	SETRESHIt83<-ES(datSETRretOUTSAt83$rev.SETRretOUTSAt83, p=0.975, method="historical")
SETR	84	98	1894	2018-11-23	2018-11-23	SETRretOUTSAt84<-ln(SETRaprx[98:1894]/lead(SETRaprx[98:1894], 1))[1:1796]	datSETRretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SETRretOUTSAt84))	SETRESHIt84<-ES(datSETRretOUTSAt84$rev.SETRretOUTSAt84, p=0.975, method="historical")
SETR	85	97	1893	2018-11-24	2018-11-24	SETRretOUTSAt85<-ln(SETRaprx[97:1893]/lead(SETRaprx[97:1893], 1))[1:1796]	datSETRretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SETRretOUTSAt85))	SETRESHIt85<-ES(datSETRretOUTSAt85$rev.SETRretOUTSAt85, p=0.975, method="historical")
SETR	86	96	1892	2018-11-25	2018-11-25	SETRretOUTSAt86<-ln(SETRaprx[96:1892]/lead(SETRaprx[96:1892], 1))[1:1796]	datSETRretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SETRretOUTSAt86))	SETRESHIt86<-ES(datSETRretOUTSAt86$rev.SETRretOUTSAt86, p=0.975, method="historical")
SETR	87	95	1891	2018-11-26	2018-11-26	SETRretOUTSAt87<-ln(SETRaprx[95:1891]/lead(SETRaprx[95:1891], 1))[1:1796]	datSETRretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SETRretOUTSAt87))	SETRESHIt87<-ES(datSETRretOUTSAt87$rev.SETRretOUTSAt87, p=0.975, method="historical")
SETR	88	94	1890	2018-11-27	2018-11-27	SETRretOUTSAt88<-ln(SETRaprx[94:1890]/lead(SETRaprx[94:1890], 1))[1:1796]	datSETRretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SETRretOUTSAt88))	SETRESHIt88<-ES(datSETRretOUTSAt88$rev.SETRretOUTSAt88, p=0.975, method="historical")
SETR	89	93	1889	2018-11-28	2018-11-28	SETRretOUTSAt89<-ln(SETRaprx[93:1889]/lead(SETRaprx[93:1889], 1))[1:1796]	datSETRretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SETRretOUTSAt89))	SETRESHIt89<-ES(datSETRretOUTSAt89$rev.SETRretOUTSAt89, p=0.975, method="historical")
SETR	90	92	1888	2018-11-29	2018-11-29	SETRretOUTSAt90<-ln(SETRaprx[92:1888]/lead(SETRaprx[92:1888], 1))[1:1796]	datSETRretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SETRretOUTSAt90))	SETRESHIt90<-ES(datSETRretOUTSAt90$rev.SETRretOUTSAt90, p=0.975, method="historical")
SETR	91	91	1887	2018-11-30	2018-11-30	SETRretOUTSAt91<-ln(SETRaprx[91:1887]/lead(SETRaprx[91:1887], 1))[1:1796]	datSETRretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SETRretOUTSAt91))	SETRESHIt91<-ES(datSETRretOUTSAt91$rev.SETRretOUTSAt91, p=0.975, method="historical")
SETR	92	90	1886	2018-12-01	2018-12-01	SETRretOUTSAt92<-ln(SETRaprx[90:1886]/lead(SETRaprx[90:1886], 1))[1:1796]	datSETRretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SETRretOUTSAt92))	SETRESHIt92<-ES(datSETRretOUTSAt92$rev.SETRretOUTSAt92, p=0.975, method="historical")
SETR	93	89	1885	2018-12-02	2018-12-02	SETRretOUTSAt93<-ln(SETRaprx[89:1885]/lead(SETRaprx[89:1885], 1))[1:1796]	datSETRretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SETRretOUTSAt93))	SETRESHIt93<-ES(datSETRretOUTSAt93$rev.SETRretOUTSAt93, p=0.975, method="historical")
SETR	94	88	1884	2018-12-03	2018-12-03	SETRretOUTSAt94<-ln(SETRaprx[88:1884]/lead(SETRaprx[88:1884], 1))[1:1796]	datSETRretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SETRretOUTSAt94))	SETRESHIt94<-ES(datSETRretOUTSAt94$rev.SETRretOUTSAt94, p=0.975, method="historical")
SETR	95	87	1883	2018-12-04	2018-12-04	SETRretOUTSAt95<-ln(SETRaprx[87:1883]/lead(SETRaprx[87:1883], 1))[1:1796]	datSETRretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SETRretOUTSAt95))	SETRESHIt95<-ES(datSETRretOUTSAt95$rev.SETRretOUTSAt95, p=0.975, method="historical")
SETR	96	86	1882	2018-12-05	2018-12-05	SETRretOUTSAt96<-ln(SETRaprx[86:1882]/lead(SETRaprx[86:1882], 1))[1:1796]	datSETRretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SETRretOUTSAt96))	SETRESHIt96<-ES(datSETRretOUTSAt96$rev.SETRretOUTSAt96, p=0.975, method="historical")
SETR	97	85	1881	2018-12-06	2018-12-06	SETRretOUTSAt97<-ln(SETRaprx[85:1881]/lead(SETRaprx[85:1881], 1))[1:1796]	datSETRretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SETRretOUTSAt97))	SETRESHIt97<-ES(datSETRretOUTSAt97$rev.SETRretOUTSAt97, p=0.975, method="historical")
SETR	98	84	1880	2018-12-07	2018-12-07	SETRretOUTSAt98<-ln(SETRaprx[84:1880]/lead(SETRaprx[84:1880], 1))[1:1796]	datSETRretOUTSAt98<- data.frame(Date = seq(as

SETR	154	28	1824	2019-02-01	2019-02-01	SETRretOUTSAt154<-ln(SETRaprx[28:1824]/lead(SETRaprx[28:1824], 1))[1:1796]	datSETRretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SETRretOUTSAt154))	SETRESHit154<-ES(datSETRretOUTSAt154$rev.SETRretOUTSAt154, p=0.975, method="historical")
SETR	155	27	1823	2019-02-02	2019-02-02	SETRretOUTSAt155<-ln(SETRaprx[27:1823]/lead(SETRaprx[27:1823], 1))[1:1796]	datSETRretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SETRretOUTSAt155))	SETRESHit155<-ES(datSETRretOUTSAt155$rev.SETRretOUTSAt155, p=0.975, method="historical")
SETR	156	26	1822	2019-02-03	2019-02-03	SETRretOUTSAt156<-ln(SETRaprx[26:1822]/lead(SETRaprx[26:1822], 1))[1:1796]	datSETRretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SETRretOUTSAt156))	SETRESHit156<-ES(datSETRretOUTSAt156$rev.SETRretOUTSAt156, p=0.975, method="historical")
SETR	157	25	1821	2019-02-04	2019-02-04	SETRretOUTSAt157<-ln(SETRaprx[25:1821]/lead(SETRaprx[25:1821], 1))[1:1796]	datSETRretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SETRretOUTSAt157))	SETRESHit157<-ES(datSETRretOUTSAt157$rev.SETRretOUTSAt157, p=0.975, method="historical")
SETR	158	24	1820	2019-02-05	2019-02-05	SETRretOUTSAt158<-ln(SETRaprx[24:1820]/lead(SETRaprx[24:1820], 1))[1:1796]	datSETRretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SETRretOUTSAt158))	SETRESHit158<-ES(datSETRretOUTSAt158$rev.SETRretOUTSAt158, p=0.975, method="historical")
SETR	159	23	1819	2019-02-06	2019-02-06	SETRretOUTSAt159<-ln(SETRaprx[23:1819]/lead(SETRaprx[23:1819], 1))[1:1796]	datSETRretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SETRretOUTSAt159))	SETRESHit159<-ES(datSETRretOUTSAt159$rev.SETRretOUTSAt159, p=0.975, method="historical")
SETR	160	22	1818	2019-02-07	2019-02-07	SETRretOUTSAt160<-ln(SETRaprx[22:1818]/lead(SETRaprx[22:1818], 1))[1:1796]	datSETRretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SETRretOUTSAt160))	SETRESHit160<-ES(datSETRretOUTSAt160$rev.SETRretOUTSAt160, p=0.975, method="historical")
SETR	161	21	1817	2019-02-08	2019-02-08	SETRretOUTSAt161<-ln(SETRaprx[21:1817]/lead(SETRaprx[21:1817], 1))[1:1796]	datSETRretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SETRretOUTSAt161))	SETRESHit161<-ES(datSETRretOUTSAt161$rev.SETRretOUTSAt161, p=0.975, method="historical")
SETR	162	20	1816	2019-02-09	2019-02-09	SETRretOUTSAt162<-ln(SETRaprx[20:1816]/lead(SETRaprx[20:1816], 1))[1:1796]	datSETRretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SETRretOUTSAt162))	SETRESHit162<-ES(datSETRretOUTSAt162$rev.SETRretOUTSAt162, p=0.975, method="historical")
SETR	163	19	1815	2019-02-10	2019-02-10	SETRretOUTSAt163<-ln(SETRaprx[19:1815]/lead(SETRaprx[19:1815], 1))[1:1796]	datSETRretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SETRretOUTSAt163))	SETRESHit163<-ES(datSETRretOUTSAt163$rev.SETRretOUTSAt163, p=0.975, method="historical")
SETR	164	18	1814	2019-02-11	2019-02-11	SETRretOUTSAt164<-ln(SETRaprx[18:1814]/lead(SETRaprx[18:1814], 1))[1:1796]	datSETRretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SETRretOUTSAt164))	SETRESHit164<-ES(datSETRretOUTSAt164$rev.SETRretOUTSAt164, p=0.975, method="historical")
SETR	165	17	1813	2019-02-12	2019-02-12	SETRretOUTSAt165<-ln(SETRaprx[17:1813]/lead(SETRaprx[17:1813], 1))[1:1796]	datSETRretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SETRretOUTSAt165))	SETRESHit165<-ES(datSETRretOUTSAt165$rev.SETRretOUTSAt165, p=0.975, method="historical")
SETR	166	16	1812	2019-02-13	2019-02-13	SETRretOUTSAt166<-ln(SETRaprx[16:1812]/lead(SETRaprx[16:1812], 1))[1:1796]	datSETRretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SETRretOUTSAt166))	SETRESHit166<-ES(datSETRretOUTSAt166$rev.SETRretOUTSAt166, p=0.975, method="historical")
SETR	167	15	1811	2019-02-14	2019-02-14	SETRretOUTSAt167<-ln(SETRaprx[15:1811]/lead(SETRaprx[15:1811], 1))[1:1796]	datSETRretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SETRretOUTSAt167))	SETRESHit167<-ES(datSETRretOUTSAt167$rev.SETRretOUTSAt167, p=0.975, method="historical")
SETR	168	14	1810	2019-02-15	2019-02-15	SETRretOUTSAt168<-ln(SETRaprx[14:1810]/lead(SETRaprx[14:1810], 1))[1:1796]	datSETRretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SETRretOUTSAt168))	SETRESHit168<-ES(datSETRretOUTSAt168$rev.SETRretOUTSAt168, p=0.975, method="historical")
SETR	169	13	1809	2019-02-16	2019-02-16	SETRretOUTSAt169<-ln(SETRaprx[13:1809]/lead(SETRaprx[13:1809], 1))[1:1796]	datSETRretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SETRretOUTSAt169))	SETRESHit169<-ES(datSETRretOUTSAt169$rev.SETRretOUTSAt169, p=0.975, method="historical")
SETR	170	12	1808	2019-02-17	2019-02-17	SETRretOUTSAt170<-ln(SETRaprx[12:1808]/lead(SETRaprx[12:1808], 1))[1:1796]	datSETRretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SETRretOUTSAt170))	SETRESHit170<-ES(datSETRretOUTSAt170$rev.SETRretOUTSAt170, p=0.975, method="historical")
SETR	171	11	1807	2019-02-18	2019-02-18	SETRretOUTSAt171<-ln(SETRaprx[11:1807]/lead(SETRaprx[11:1807], 1))[1:1796]	datSETRretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SETRretOUTSAt171))	SETRESHit171<-ES(datSETRretOUTSAt171$rev.SETRretOUTSAt171, p=0.975, method="historical")
SETR	172	10	1806	2019-02-19	2019-02-19	SETRretOUTSAt172<-ln(SETRaprx[10:1806]/lead(SETRaprx[10:1806], 1))[1:1796]	datSETRretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SETRretOUTSAt172))	SETRESHit172<-ES(datSETRretOUTSAt172$rev.SETRretOUTSAt172, p=0.975, method="historical")
SETR	173	9	1805	2019-02-20	2019-02-20	SETRretOUTSAt173<-ln(SETRaprx[9:1805]/lead(SETRaprx[9:1805], 1))[1:1796]	datSETRretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SETRretOUTSAt173))	SETRESHit173<-ES(datSETRretOUTSAt173$rev.SETRretOUTSAt173, p=0.975, method="historical")
SETR	174	8	1804	2019-02-21	2019-02-21	SETRretOUTSAt174<-ln(SETRaprx[8:1804]/lead(SETRaprx[8:1804], 1))[1:1796]	datSETRretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SETRretOUTSAt174))	SETRESHit174<-ES(datSETRretOUTSAt174$rev.SETRretOUTSAt174, p=0.975, method="historical")
SETR	175	7	1803	2019-02-22	2019-02-22	SETRretOUTSAt175<-ln(SETRaprx[7:1803]/lead(SETRaprx[7:1803], 1))[1:1796]	datSETRretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SETRretOUTSAt175))	SETRESHit175<-ES(datSETRretOUTSAt175$rev.SETRretOUTSAt175, p=0.975, method="historical")
SETR	176	6	1802	2019-02-23	2019-02-23	SETRretOUTSAt176<-ln(SETRaprx[6:1802]/lead(SETRaprx[6:1802], 1))[1:1796]	datSETRretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SETRretOUTSAt176))	SETRESHit176<-ES(datSETRretOUTSAt176$rev.SETRretOUTSAt176, p=0.975, method="historical")
SETR	177	5	1801	2019-02-24	2019-02-24	SETRretOUTSAt177<-ln(SETRaprx[5:1801]/lead(SETRaprx[5:1801], 1))[1:1796]	datSETRretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SETRretOUTSAt177))	SETRESHit177<-ES(datSETRretOUTSAt177$rev.SETRretOUTSAt177, p=0.975, method="historical")
SETR	178	4	1800	2019-02-25	2019-02-25	SETRretOUTSAt178<-ln(SETRaprx[4:1800]/lead(SETRaprx[4:1800], 1))[1:1796]	datSETRretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SETRretOUTSAt178))	SETRESHit178<-ES(datSETRretOUTSAt178$rev.SETRretOUTSAt178, p=0.975, method="historical")
SETR	179	3	1799	2019-02-26	2019-02-26	SETRretOUTSAt179<-ln(SETRaprx[3:1799]/lead(SETRaprx[3:1799], 1))[1:1796]	datSETRretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SETRretOUTSAt179))	SETRESHit179<-ES(datSETRretOUTSAt179$rev.SETRretOUTSAt179, p=0.975, method="historical")
SETR	180	2	1798	2019-02-27	2019-02-27	SETRretOUTSAt180<-ln(SETRaprx[2:1798]/lead(SETRaprx[2:1798], 1))[1:1796]	datSETRretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SETRretOUTSAt180))	SETRESHit180<-ES(datSETRretOUTSAt180$rev.SETRretOUTSAt180, p=0.975, method="historical")
SETR	181	1	1797	2019-02-28	2019-02-28	SETRretOUTSAt181<-ln(SETRaprx[1:1797]/lead(SETRaprx[1:1797], 1))[1:1796]	datSETRretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SETRretOUTSAt181))	SETRESHit181<-ES(datSETRretOUTSAt181$rev.SETRretOUTSAt181, p=0.975, method="historical")
#SEMO								
SEMO	1	181	1977	2018-09-01	2018-09-01	SEMOretOUTSAt1<-ln(SEMOaprx[181:1977]/lead(SEMOaprx[181:1977], 1))[1:1796]	datSEMOretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEMOretOUTSAt1))	SEMOESHit1<-ES(datSEMOretOUTSAt1$rev.SEMOretOUTSAt1, p=0.975, method="historical")
SEMO	2	180	1976	2018-09-02	2018-09-02	SEMOretOUTSAt2<-ln(SEMOaprx[180:1976]/lead(SEMOaprx[180:1976], 1))[1:1796]	datSEMOretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEMOretOUTSAt2))	SEMOESHit2<-ES(datSEMOretOUTSAt2$rev.SEMOretOUTSAt2, p=0.975, method="historical")
SEMO	3	179	1975	2018-09-03	2018-09-03	SEMOretOUTSAt3<-ln(SEMOaprx[179:1975]/lead(SEMOaprx[179:1975], 1))[1:1796]	datSEMOretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEMOretOUTSAt3))	SEMOESHit3<-ES(datSEMOretOUTSAt3$rev.SEMOretOUTSAt3, p=0.975, method="historical")
SEMO	4	178	1974	2018-09-04	2018-09-04	SEMOretOUTSAt4<-ln(SEMOaprx[178:1974]/lead(SEMOaprx[178:1974], 1))[1:1796]	datSEMOretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEMOretOUTSAt4))	SEMOESHit4<-ES(datSEMOretOUTSAt4$rev.SEMOretOUTSAt4, p=0.975, method="historical")
SEMO	5	177	1973	2018-09-05	2018-09-05	SEMOretOUTSAt5<-ln(SEMOaprx[177:1973]/lead(SEMOaprx[177:1973], 1))[1:1796]	datSEMOretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEMOretOUTSAt5))	SEMOESHit5<-ES(datSEMOretOUTSAt5$rev.SEMOretOUTSAt5, p=0.975, method="historical")
SEMO	6	176	1972	2018-09-06	2018-09-06	SEMOretOUTSAt6<-ln(SEMOaprx[176:1972]/lead(SEMOaprx[176:1972], 1))[1:1796]	datSEMOretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEMOretOUTSAt6))	SEMOESHit6<-ES(datSEMOretOUTSAt6$rev.SEMOretOUTSAt6, p=0.975, method="historical")
SEMO	7	175	1971	2018-09-07	2018-09-07	SEMOretOUTSAt7<-ln(SEMOaprx[175:1971]/lead(SEMOaprx[175:1971], 1))[1:1796]	datSEMOretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEMOretOUTSAt7))	SEMOESHit7<-ES(datSEMOretOUTSAt7$rev.SEMOretOUTSAt7, p=0.975, method="historical")
SEMO	8	174	1970	2018-09-08	2018-09-08	SEMOretOUTSAt8<-ln(SEMOaprx[174:1970]/lead(SEMOaprx[174:1970], 1))[1:1796]	datSEMOretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEMOretOUTSAt8))	SEMOESHit8<-ES(datSEMOretOUTSAt8$rev.SEMOretOUTSAt8, p=0.975, method="historical")
SEMO	9	173	1969	2018-09-09	2018-09-09	SEMOretOUTSAt9<-ln(SEMOaprx[173:1969]/lead(SEMOaprx[173:1969], 1))[1:1796]	datSEMOretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEMOretOUTSAt9))	SEMOESHit9<-ES(datSEMOretOUTSAt9$rev.SEMOretOUTSAt9, p=0.975, method="historical")
SEMO	10	172	1968	2018-09-10	2018-09-10	SEMOretOUTSAt10<-ln(SEMOaprx[172:1968]/lead(SEMOaprx[172:1968], 1))[1:1796]	datSEMOretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEMOretOUTSAt10))	SEMOESHit10<-ES(datSEMOretOUTSAt10$rev.SEMOretOUTSAt10, p=0.975, method="historical")
SEMO	11	171	1967	2018-09-11	2018-09-11	SEMOretOUTSAt11<-ln(SEMOaprx[171:1967]/lead(SEMOaprx[171:1967], 1))[1:1796]	datSEMOretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEMOretOUTSAt11))	SEMOESHit11<-ES(datSEMOretOUTSAt11$rev.SEMOretOUTSAt11, p=0.975, method="historical")
SEMO	12	170	1966	2018-09-12	2018-09-12	SEMOretOUTSAt12<-ln(SEMOaprx[170:1966]/lead(SEMOaprx[170:1966], 1))[1:1796]	datSEMOretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEMOretOUTSAt12))	SEMOESHit12<-ES(datSEMOretOUTSAt12$rev.SEMOretOUTSAt12, p=0.975, method="historical")
SEMO	13	169	1965	2018-09-13	2018-09-13	SEMOretOUTSAt13<-ln(SEMOaprx[169:1965]/lead(SEMOaprx[169:1965], 1))[1:1796]	datSEMOretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEMOretOUTSAt13))	SEMOESHit13<-ES(datSEMOretOUTSAt13$rev.SEMOretOUTSAt13, p=0.975, method="historical")
SEMO	14	168	1964	2018-09-14	2018-09-14	SEMOretOUTSAt14<-ln(SEMOaprx[168:1964]/lead(SEMOaprx[168:1964], 1))[1:1796]	datSEMOretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEMOretOUTSAt14))	SEMOESHit14<-ES(datSEMOretOUTSAt14$rev.SEMOretOUTSAt14, p=0.975, method="historical")
SEMO	15	167	1963	2018-09-15	2018-09-15	SEMOretOUTSAt15<-ln(SEMOaprx[167:1963]/lead(SEMOaprx[167:1963], 1))[1:1796]	datSEMOretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEMOretOUTSAt15))	SEMOESHit15<-ES(datSEMOretOUTSAt15$rev.SEMOretOUTSAt15, p=0.975, method="historical")
SEMO	16	166	1962	2018-09-16	2018-09-16	SEMOretOUTSAt16<-ln(SEMOaprx[166:1962]/lead(SEMOaprx[166:1962], 1))[1:1796]	datSEMOretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEMOretOUTSAt16))	SEMOESHit16<-ES(datSEMOretOUTSAt16$rev.SEMOretOUTSAt16, p=0.975, method="historical")
SEMO	17	165	1961	2018-09-17	2018-09-17	SEMOretOUTSAt17<-ln(SEMOaprx[165:1961]/lead(SEMOaprx[165:1961], 1))[1:1796]	datSEMOretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEMOretOUTSAt17))	SEMOESHit17<-ES(datSEMOretOUTSAt17$rev.SEMOretOUTSAt17, p=0.975, method="historical")
SEMO	18	164	1960	2018-09-18	2018-09-18	SEMOretOUTSAt18<-ln(SEMOaprx[164:1960]/lead(SEMOaprx[164:1960], 1))[1:1796]	datSEMOretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEMOretOUTSAt18))	SEMOESHit18<-ES(datSEMOretOUTSAt18$rev.SEMOretOUTSAt18, p=0.975, method="historical")
SEMO	19	163	1959	2018-09-19	2018-09-19	SEMOretOUTSAt19<-ln(SEMOaprx[163:1959]/lead(SEMOaprx[163:1959], 1))[1:1796]	datSEMOretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEMOretOUTSAt19))	SEMOESHit19<-ES(datSEMOretOUTSAt19$rev.SEMOretOUTSAt19, p=0.975, method="historical")
SEMO	20	162	1958	2018-09-20	2018-09-20	SEMOretOUTSAt20<-ln(SEMOaprx[162:1958]/lead(SEMOaprx[162:1958], 1))[1:1796]	datSEMOretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEMOretOUTSAt20))	SEMOESHit20<-ES(datSEMOretOUTSAt20$rev.SEMOretOUTSAt20, p=0.975, method="historical")
SEMO	21	161	1957	2018-09-21	2018-09-21	SEMOretOUTSAt21<-ln(SEMOaprx[161:1957]/lead(SEMOaprx[161:1957], 1))[1:1796]	datSEMOretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEMOretOUTSAt21))	SEMOESHit21<-ES(datSEMOretOUTSAt21$rev.SEMOretOUTSAt21, p=0.975, method="historical")
SEMO	22	160	1956	2018-09-22	2018-09-22	SEMOretOUTSAt22<-ln(SEMOaprx[160:1956]/lead(SEMOaprx[160:1956], 1))[1:1796]	datSEMOretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEMOretOUTSAt22))	SEMOESHit22<-ES(datSEMOretOUTSAt22$rev.SEMOretOUTSAt22, p=0.975, method="historical")
SEMO	23	159	1955	2018-09-23	2018-09-23	SEMOretOUTSAt23<-ln(SEMOaprx[159:1955]/lead(SEMOaprx[159:1955], 1))[1:1796]	datSEMOretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEMOretOUTSAt23))	SEMOESHit23<-ES(datSEMOretOUTSAt23$rev.SEMOretOUTSAt23, p=0.975, method="historical")
SEMO	24	158	1954	2018-09-24	2018-09-24	SEMOretOUTSAt24<-ln(SEMOaprx[158:1954]/lead(SEMOaprx[158:1954], 1))[1:1796]	datSEMOretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEMOretOUTSAt24))	SEMOESHit24<-ES(datSEMOretOUTSAt24$rev.SEMOretOUTSAt24, p=0.975, method="historical")
SEMO	25	157	1953	2018-09-25	2018-09-25	SEMOretOUTSAt25<-ln(SEMOaprx[157:1953]/lead(SEMOaprx[157:1953], 1))[1:1796]	datSEMOretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEMOretOUTSAt25))	SEMOESHit25<-ES(datSEMOretOUTSAt25$rev.SEMOretOUTSAt25, p=0.975, method="historical")
SEMO	26	156	1952	2018-09-26	2018-09-26	SEMOretOUTSAt26<-ln(SEMOaprx[156:1952]/lead(SEMOaprx[156:1952], 1))[1:1796]	datSEMOretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEMOretOUTSAt26))	SEMOESHit26<-ES(datSEMOretOUTSAt26$rev.SEMOretOUTSAt26, p=0.975, method="historical")
SEMO	27	155	1951	2018-09-27	2018-09-27	SEMOretOUTSAt27<-ln(SEMOaprx[155:1951]/lead(SEMOaprx[155:1951], 1))[1:1796]	datSEMOretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEMOretOUTSAt27))	SEMOESHit27<-ES(datSEMOretOUTSAt27$rev.SEMOretOUTSAt27, p=0.975, method="historical")
SEMO	28	154	1950	2018-09-28	2018-09-28	SEMOretOUTSAt28<-ln(SEMOaprx[154:1950]/lead(SEMOaprx[154:1950], 1))[1:1796]	datSEMOretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEMOretOUTSAt28))	SEMOESHit28<-ES(datSEMOretOUTSAt28$rev.SEMOretOUTSAt28, p=0.975, method="historical")
SEMO	29	153	1949	2018-09-29	2018-09-29	SEMOretOUTSAt29<-ln(SEMOaprx[153:1949]/lead(SEMOaprx[153:1949], 1))[1:1796]	datSEMOretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEMOretOUTSAt29))	SEMOESHit29<-ES(datSEMOretOUTSAt29$rev.SEMOretOUTSAt29, p=0.975, method="historical")
SEMO	30	152	1948	2018-09-30	2018-09-30	SEMOretOUTSAt30<-ln(SEMOaprx[152:1948]/lead(SEMOaprx[152:1948], 1))[1:1796]	datSEMOretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEMOretOUTSAt30))	SEMOESHit30<-ES(datSEMOretOUTSAt30$rev.SEMOretOUTSAt30, p=0.975, method="historical")
SEMO	31	151	1947	2018-10-01	2018-10-01	SEMOretOUTSAt31<-ln(SEMOaprx[151:1947]/lead(SEMOaprx[151:1947], 1))[1:1796]	datSEMOretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEMOretOUTSAt31))	SEMOESHit31<-ES(datSEMOretOUTSAt31$rev.SEMOretOUTSAt31, p=0.975, method="historical")
SEMO	32	150	1946	2018-10-02	2018-10-02	SEMOretOUTSAt32<-ln(SEMOaprx[150:1946]/lead(SEMOaprx[150:1946], 1))[1:1796]	datSEMOretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEMOretOUTSAt32))	SEMOESHit32<-ES(datSEMOretOUTSAt32$rev.SEMOretOUTSAt32, p=0.975, method="historical")
SEMO	33	149	1945	2018-10-03	2018-10-03	SEMOretOUTSAt33<-ln(SEMOaprx[149:1945]/lead(SEMOaprx[149:1945], 1))[1:1796]	datSEMOretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEMOretOUTSAt33))	SEMOESHit33<-ES(datSEMOretOUTSAt33$rev.SEMOretOUTSAt33, p=0.975, method="historical")
SEMO	34	148	1944	2018-10-04	2018-10-04	SEMOretOUTSAt34<-ln(SEMOaprx[148:1944]/lead(SEMOaprx[148:1944], 1))[1:1796]	datSEMOretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEMOretOUTSAt34))	SEMOESHit34<-ES(datSEMOretOUTSAt34$rev.SEMOretOUTSAt34, p=0.975, method="historical")
SEMO	35	147	1943	2018-10-05	2018-10-05	SEMOretOUTSAt35<-ln(SEMOaprx[147:1943]/lead(SEMOaprx[147:1943], 1))[1:1796]	datSEMOretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEMOretOUTSAt35))	SEMOESHit35<-ES(datSEMOretOUTSAt35$rev.SEMOretOUTSAt35, p=0.975, method="historical")
SEMO	36	146	1942	2018-10-06	2018-10-06	SEMOretOUTSAt36<-ln(SEMOaprx[146:1942]/lead(SEMOaprx[146:1942], 1))[1:1796]	datSEMOretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEMOretOUTSAt36))	SEMOESHit36<-ES(datSEMOretOUTSAt36$rev.SEMOretOUTSAt36, p=0.975, method="historical")
SEMO	37	145	1941	2018-10-07	2018-10-07	SEMOretOUTSAt37<-ln(SEMOaprx[145:1941]/lead(SEMOaprx[145:1941], 1))[1:1796]	datSEMOretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEMOretOUTSAt37))	SEMOESHit37<-ES(datSEMOretOUTSAt37$rev.SEMOretOUTSAt37, p=0.975, method="historical")
SEMO	38	144	1940	2018-10-08	2018-10-08	SEMOretOUTSAt38<-ln(SEMOaprx[144:1940]/lead(SEMOaprx[144:1940], 1))[1:1796]	datSEMOretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEMOretOUTSAt38))	SEMOESHit38<-ES(datSEMOretOUTSAt38$rev.SEMOretOUTSAt38, p=0.975, method="historical")
SEMO	39	143	1939	2018-10-09	2018-10-09	SEMOretOUTSAt39<-ln(SEMOaprx[143:1939]/lead(SEMOaprx[143:1939], 1))[1:1796]	datSEMOretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEMOretOUTSAt39))	SEMOESHit39<-ES(datSEMOretOUTSAt39$rev.SEMOretOUTSAt39, p=0.975, method="historical")
SEMO	40	142	1938	2018-10-10	2018-10-10	SEMOretOUTSAt40<-ln(SEMOaprx[142:1938]/lead(SEMOaprx[142:1938], 1))[1:1796]	datSEMOretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEMOretOUTSAt40))	SEMOESHit40<-ES(datSEMOretOUTSAt40$rev.SEMOretOUTSAt40, p=0.975, method="historical")
SEMO	41	141	1937	2018-10-11	2018-10-11	SEMOretOUTSAt41<-ln(SEMOaprx[141:1937]/lead(SEMOaprx[141:1937], 1))[1:1796]	datSEMOretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEMOretOUTSAt41))	SEMOESHit41<-ES(datSEMOretOUTSAt41$rev.SEMOretOUTSAt41, p=0.975, method="historical")
SEMO	42	140	1936	2018-10-12	2018-10-12	SEMOretOUTSAt42<-ln(SEMOaprx[140:1936]/lead(SEMOaprx[140:1936], 1))[1:1796]	datSEMOretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEMOretOUTSAt42))	SEMOESHit42<-ES(datSEMOretOUTSAt42$rev.SEMOretOUTSAt42, p=0.975, method="historical")
SEMO	43	139	1935	2018-10-13	2018-10-13	SEMOretOUTSAt43<-ln(SEMOaprx[139:1935]/lead(SEMOaprx[139:1935], 1))[1:1796]	datSEMOretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEMOretOUTSAt43))	SEMOESHit43<-ES(datSEMOretOUTSAt43$rev.SEMOretOUTSAt43, p=0.975, method="historical")
SEMO	44	138	1934	2018-10-14	2018-10-14	SEMOretOUTSAt44<-ln(SEMOaprx[138:1934]/lead(SEMOaprx[138:1934], 1))[1:1796]	datSEMOretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEMOretOUTSAt44))	SEMOESHit44<-ES(datSEMOretOUTSAt44$rev.SEMOretOUT

SEMO	100	82	1878	2018-12-09	2018-12-09	SEMOretOUTSAt100:-ln(SEMOaprx[82:1878]/lead(SEMOaprx[82:1878], 1))[1:1796]	datSEMOretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEMOretOUTSAt100))	SEMOESHIt100<-ES(datSEMOretOUTSAt100$rev.SEMOretOUTSAt100, p=0.975, method="historical")
SEMO	101	81	1877	2018-12-10	2018-12-10	SEMOretOUTSAt101:-ln(SEMOaprx[81:1877]/lead(SEMOaprx[81:1877], 1))[1:1796]	datSEMOretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEMOretOUTSAt101))	SEMOESHIt101<-ES(datSEMOretOUTSAt101$rev.SEMOretOUTSAt101, p=0.975, method="historical")
SEMO	102	80	1876	2018-12-11	2018-12-11	SEMOretOUTSAt102:-ln(SEMOaprx[80:1876]/lead(SEMOaprx[80:1876], 1))[1:1796]	datSEMOretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEMOretOUTSAt102))	SEMOESHIt102<-ES(datSEMOretOUTSAt102$rev.SEMOretOUTSAt102, p=0.975, method="historical")
SEMO	103	79	1875	2018-12-12	2018-12-12	SEMOretOUTSAt103:-ln(SEMOaprx[79:1875]/lead(SEMOaprx[79:1875], 1))[1:1796]	datSEMOretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEMOretOUTSAt103))	SEMOESHIt103<-ES(datSEMOretOUTSAt103$rev.SEMOretOUTSAt103, p=0.975, method="historical")
SEMO	104	78	1874	2018-12-13	2018-12-13	SEMOretOUTSAt104:-ln(SEMOaprx[78:1874]/lead(SEMOaprx[78:1874], 1))[1:1796]	datSEMOretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEMOretOUTSAt104))	SEMOESHIt104<-ES(datSEMOretOUTSAt104$rev.SEMOretOUTSAt104, p=0.975, method="historical")
SEMO	105	77	1873	2018-12-14	2018-12-14	SEMOretOUTSAt105:-ln(SEMOaprx[77:1873]/lead(SEMOaprx[77:1873], 1))[1:1796]	datSEMOretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEMOretOUTSAt105))	SEMOESHIt105<-ES(datSEMOretOUTSAt105$rev.SEMOretOUTSAt105, p=0.975, method="historical")
SEMO	106	76	1872	2018-12-15	2018-12-15	SEMOretOUTSAt106:-ln(SEMOaprx[76:1872]/lead(SEMOaprx[76:1872], 1))[1:1796]	datSEMOretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEMOretOUTSAt106))	SEMOESHIt106<-ES(datSEMOretOUTSAt106$rev.SEMOretOUTSAt106, p=0.975, method="historical")
SEMO	107	75	1871	2018-12-16	2018-12-16	SEMOretOUTSAt107:-ln(SEMOaprx[75:1871]/lead(SEMOaprx[75:1871], 1))[1:1796]	datSEMOretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEMOretOUTSAt107))	SEMOESHIt107<-ES(datSEMOretOUTSAt107$rev.SEMOretOUTSAt107, p=0.975, method="historical")
SEMO	108	74	1870	2018-12-17	2018-12-17	SEMOretOUTSAt108:-ln(SEMOaprx[74:1870]/lead(SEMOaprx[74:1870], 1))[1:1796]	datSEMOretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEMOretOUTSAt108))	SEMOESHIt108<-ES(datSEMOretOUTSAt108$rev.SEMOretOUTSAt108, p=0.975, method="historical")
SEMO	109	73	1869	2018-12-18	2018-12-18	SEMOretOUTSAt109:-ln(SEMOaprx[73:1869]/lead(SEMOaprx[73:1869], 1))[1:1796]	datSEMOretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEMOretOUTSAt109))	SEMOESHIt109<-ES(datSEMOretOUTSAt109$rev.SEMOretOUTSAt109, p=0.975, method="historical")
SEMO	110	72	1868	2018-12-19	2018-12-19	SEMOretOUTSAt110:-ln(SEMOaprx[72:1868]/lead(SEMOaprx[72:1868], 1))[1:1796]	datSEMOretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEMOretOUTSAt110))	SEMOESHIt110<-ES(datSEMOretOUTSAt110$rev.SEMOretOUTSAt110, p=0.975, method="historical")
SEMO	111	71	1867	2018-12-20	2018-12-20	SEMOretOUTSAt111:-ln(SEMOaprx[71:1867]/lead(SEMOaprx[71:1867], 1))[1:1796]	datSEMOretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEMOretOUTSAt111))	SEMOESHIt111<-ES(datSEMOretOUTSAt111$rev.SEMOretOUTSAt111, p=0.975, method="historical")
SEMO	112	70	1866	2018-12-21	2018-12-21	SEMOretOUTSAt112:-ln(SEMOaprx[70:1866]/lead(SEMOaprx[70:1866], 1))[1:1796]	datSEMOretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEMOretOUTSAt112))	SEMOESHIt112<-ES(datSEMOretOUTSAt112$rev.SEMOretOUTSAt112, p=0.975, method="historical")
SEMO	113	69	1865	2018-12-22	2018-12-22	SEMOretOUTSAt113:-ln(SEMOaprx[69:1865]/lead(SEMOaprx[69:1865], 1))[1:1796]	datSEMOretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEMOretOUTSAt113))	SEMOESHIt113<-ES(datSEMOretOUTSAt113$rev.SEMOretOUTSAt113, p=0.975, method="historical")
SEMO	114	68	1864	2018-12-23	2018-12-23	SEMOretOUTSAt114:-ln(SEMOaprx[68:1864]/lead(SEMOaprx[68:1864], 1))[1:1796]	datSEMOretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEMOretOUTSAt114))	SEMOESHIt114<-ES(datSEMOretOUTSAt114$rev.SEMOretOUTSAt114, p=0.975, method="historical")
SEMO	115	67	1863	2018-12-24	2018-12-24	SEMOretOUTSAt115:-ln(SEMOaprx[67:1863]/lead(SEMOaprx[67:1863], 1))[1:1796]	datSEMOretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEMOretOUTSAt115))	SEMOESHIt115<-ES(datSEMOretOUTSAt115$rev.SEMOretOUTSAt115, p=0.975, method="historical")
SEMO	116	66	1862	2018-12-25	2018-12-25	SEMOretOUTSAt116:-ln(SEMOaprx[66:1862]/lead(SEMOaprx[66:1862], 1))[1:1796]	datSEMOretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEMOretOUTSAt116))	SEMOESHIt116<-ES(datSEMOretOUTSAt116$rev.SEMOretOUTSAt116, p=0.975, method="historical")
SEMO	117	65	1861	2018-12-26	2018-12-26	SEMOretOUTSAt117:-ln(SEMOaprx[65:1861]/lead(SEMOaprx[65:1861], 1))[1:1796]	datSEMOretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEMOretOUTSAt117))	SEMOESHIt117<-ES(datSEMOretOUTSAt117$rev.SEMOretOUTSAt117, p=0.975, method="historical")
SEMO	118	64	1860	2018-12-27	2018-12-27	SEMOretOUTSAt118:-ln(SEMOaprx[64:1860]/lead(SEMOaprx[64:1860], 1))[1:1796]	datSEMOretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEMOretOUTSAt118))	SEMOESHIt118<-ES(datSEMOretOUTSAt118$rev.SEMOretOUTSAt118, p=0.975, method="historical")
SEMO	119	63	1859	2018-12-28	2018-12-28	SEMOretOUTSAt119:-ln(SEMOaprx[63:1859]/lead(SEMOaprx[63:1859], 1))[1:1796]	datSEMOretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEMOretOUTSAt119))	SEMOESHIt119<-ES(datSEMOretOUTSAt119$rev.SEMOretOUTSAt119, p=0.975, method="historical")
SEMO	120	62	1858	2018-12-29	2018-12-29	SEMOretOUTSAt120:-ln(SEMOaprx[62:1858]/lead(SEMOaprx[62:1858], 1))[1:1796]	datSEMOretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEMOretOUTSAt120))	SEMOESHIt120<-ES(datSEMOretOUTSAt120$rev.SEMOretOUTSAt120, p=0.975, method="historical")
SEMO	121	61	1857	2018-12-30	2018-12-30	SEMOretOUTSAt121:-ln(SEMOaprx[61:1857]/lead(SEMOaprx[61:1857], 1))[1:1796]	datSEMOretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEMOretOUTSAt121))	SEMOESHIt121<-ES(datSEMOretOUTSAt121$rev.SEMOretOUTSAt121, p=0.975, method="historical")
SEMO	122	60	1856	2018-12-31	2018-12-31	SEMOretOUTSAt122:-ln(SEMOaprx[60:1856]/lead(SEMOaprx[60:1856], 1))[1:1796]	datSEMOretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEMOretOUTSAt122))	SEMOESHIt122<-ES(datSEMOretOUTSAt122$rev.SEMOretOUTSAt122, p=0.975, method="historical")
SEMO	123	59	1855	2019-01-01	2019-01-01	SEMOretOUTSAt123:-ln(SEMOaprx[59:1855]/lead(SEMOaprx[59:1855], 1))[1:1796]	datSEMOretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEMOretOUTSAt123))	SEMOESHIt123<-ES(datSEMOretOUTSAt123$rev.SEMOretOUTSAt123, p=0.975, method="historical")
SEMO	124	58	1854	2019-01-02	2019-01-02	SEMOretOUTSAt124:-ln(SEMOaprx[58:1854]/lead(SEMOaprx[58:1854], 1))[1:1796]	datSEMOretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEMOretOUTSAt124))	SEMOESHIt124<-ES(datSEMOretOUTSAt124$rev.SEMOretOUTSAt124, p=0.975, method="historical")
SEMO	125	57	1853	2019-01-03	2019-01-03	SEMOretOUTSAt125:-ln(SEMOaprx[57:1853]/lead(SEMOaprx[57:1853], 1))[1:1796]	datSEMOretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEMOretOUTSAt125))	SEMOESHIt125<-ES(datSEMOretOUTSAt125$rev.SEMOretOUTSAt125, p=0.975, method="historical")
SEMO	126	56	1852	2019-01-04	2019-01-04	SEMOretOUTSAt126:-ln(SEMOaprx[56:1852]/lead(SEMOaprx[56:1852], 1))[1:1796]	datSEMOretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEMOretOUTSAt126))	SEMOESHIt126<-ES(datSEMOretOUTSAt126$rev.SEMOretOUTSAt126, p=0.975, method="historical")
SEMO	127	55	1851	2019-01-05	2019-01-05	SEMOretOUTSAt127:-ln(SEMOaprx[55:1851]/lead(SEMOaprx[55:1851], 1))[1:1796]	datSEMOretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEMOretOUTSAt127))	SEMOESHIt127<-ES(datSEMOretOUTSAt127$rev.SEMOretOUTSAt127, p=0.975, method="historical")
SEMO	128	54	1850	2019-01-06	2019-01-06	SEMOretOUTSAt128:-ln(SEMOaprx[54:1850]/lead(SEMOaprx[54:1850], 1))[1:1796]	datSEMOretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEMOretOUTSAt128))	SEMOESHIt128<-ES(datSEMOretOUTSAt128$rev.SEMOretOUTSAt128, p=0.975, method="historical")
SEMO	129	53	1849	2019-01-07	2019-01-07	SEMOretOUTSAt129:-ln(SEMOaprx[53:1849]/lead(SEMOaprx[53:1849], 1))[1:1796]	datSEMOretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEMOretOUTSAt129))	SEMOESHIt129<-ES(datSEMOretOUTSAt129$rev.SEMOretOUTSAt129, p=0.975, method="historical")
SEMO	130	52	1848	2019-01-08	2019-01-08	SEMOretOUTSAt130:-ln(SEMOaprx[52:1848]/lead(SEMOaprx[52:1848], 1))[1:1796]	datSEMOretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEMOretOUTSAt130))	SEMOESHIt130<-ES(datSEMOretOUTSAt130$rev.SEMOretOUTSAt130, p=0.975, method="historical")
SEMO	131	51	1847	2019-01-09	2019-01-09	SEMOretOUTSAt131:-ln(SEMOaprx[51:1847]/lead(SEMOaprx[51:1847], 1))[1:1796]	datSEMOretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEMOretOUTSAt131))	SEMOESHIt131<-ES(datSEMOretOUTSAt131$rev.SEMOretOUTSAt131, p=0.975, method="historical")
SEMO	132	50	1846	2019-01-10	2019-01-10	SEMOretOUTSAt132:-ln(SEMOaprx[50:1846]/lead(SEMOaprx[50:1846], 1))[1:1796]	datSEMOretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEMOretOUTSAt132))	SEMOESHIt132<-ES(datSEMOretOUTSAt132$rev.SEMOretOUTSAt132, p=0.975, method="historical")
SEMO	133	49	1845	2019-01-11	2019-01-11	SEMOretOUTSAt133:-ln(SEMOaprx[49:1845]/lead(SEMOaprx[49:1845], 1))[1:1796]	datSEMOretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEMOretOUTSAt133))	SEMOESHIt133<-ES(datSEMOretOUTSAt133$rev.SEMOretOUTSAt133, p=0.975, method="historical")
SEMO	134	48	1844	2019-01-12	2019-01-12	SEMOretOUTSAt134:-ln(SEMOaprx[48:1844]/lead(SEMOaprx[48:1844], 1))[1:1796]	datSEMOretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEMOretOUTSAt134))	SEMOESHIt134<-ES(datSEMOretOUTSAt134$rev.SEMOretOUTSAt134, p=0.975, method="historical")
SEMO	135	47	1843	2019-01-13	2019-01-13	SEMOretOUTSAt135:-ln(SEMOaprx[47:1843]/lead(SEMOaprx[47:1843], 1))[1:1796]	datSEMOretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEMOretOUTSAt135))	SEMOESHIt135<-ES(datSEMOretOUTSAt135$rev.SEMOretOUTSAt135, p=0.975, method="historical")
SEMO	136	46	1842	2019-01-14	2019-01-14	SEMOretOUTSAt136:-ln(SEMOaprx[46:1842]/lead(SEMOaprx[46:1842], 1))[1:1796]	datSEMOretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEMOretOUTSAt136))	SEMOESHIt136<-ES(datSEMOretOUTSAt136$rev.SEMOretOUTSAt136, p=0.975, method="historical")
SEMO	137	45	1841	2019-01-15	2019-01-15	SEMOretOUTSAt137:-ln(SEMOaprx[45:1841]/lead(SEMOaprx[45:1841], 1))[1:1796]	datSEMOretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEMOretOUTSAt137))	SEMOESHIt137<-ES(datSEMOretOUTSAt137$rev.SEMOretOUTSAt137, p=0.975, method="historical")
SEMO	138	44	1840	2019-01-16	2019-01-16	SEMOretOUTSAt138:-ln(SEMOaprx[44:1840]/lead(SEMOaprx[44:1840], 1))[1:1796]	datSEMOretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEMOretOUTSAt138))	SEMOESHIt138<-ES(datSEMOretOUTSAt138$rev.SEMOretOUTSAt138, p=0.975, method="historical")
SEMO	139	43	1839	2019-01-17	2019-01-17	SEMOretOUTSAt139:-ln(SEMOaprx[43:1839]/lead(SEMOaprx[43:1839], 1))[1:1796]	datSEMOretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEMOretOUTSAt139))	SEMOESHIt139<-ES(datSEMOretOUTSAt139$rev.SEMOretOUTSAt139, p=0.975, method="historical")
SEMO	140	42	1838	2019-01-18	2019-01-18	SEMOretOUTSAt140:-ln(SEMOaprx[42:1838]/lead(SEMOaprx[42:1838], 1))[1:1796]	datSEMOretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEMOretOUTSAt140))	SEMOESHIt140<-ES(datSEMOretOUTSAt140$rev.SEMOretOUTSAt140, p=0.975, method="historical")
SEMO	141	41	1837	2019-01-19	2019-01-19	SEMOretOUTSAt141:-ln(SEMOaprx[41:1837]/lead(SEMOaprx[41:1837], 1))[1:1796]	datSEMOretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEMOretOUTSAt141))	SEMOESHIt141<-ES(datSEMOretOUTSAt141$rev.SEMOretOUTSAt141, p=0.975, method="historical")
SEMO	142	40	1836	2019-01-20	2019-01-20	SEMOretOUTSAt142:-ln(SEMOaprx[40:1836]/lead(SEMOaprx[40:1836], 1))[1:1796]	datSEMOretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEMOretOUTSAt142))	SEMOESHIt142<-ES(datSEMOretOUTSAt142$rev.SEMOretOUTSAt142, p=0.975, method="historical")
SEMO	143	39	1835	2019-01-21	2019-01-21	SEMOretOUTSAt143:-ln(SEMOaprx[39:1835]/lead(SEMOaprx[39:1835], 1))[1:1796]	datSEMOretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEMOretOUTSAt143))	SEMOESHIt143<-ES(datSEMOretOUTSAt143$rev.SEMOretOUTSAt143, p=0.975, method="historical")
SEMO	144	38	1834	2019-01-22	2019-01-22	SEMOretOUTSAt144:-ln(SEMOaprx[38:1834]/lead(SEMOaprx[38:1834], 1))[1:1796]	datSEMOretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEMOretOUTSAt144))	SEMOESHIt144<-ES(datSEMOretOUTSAt144$rev.SEMOretOUTSAt144, p=0.975, method="historical")
SEMO	145	37	1833	2019-01-23	2019-01-23	SEMOretOUTSAt145:-ln(SEMOaprx[37:1833]/lead(SEMOaprx[37:1833], 1))[1:1796]	datSEMOretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEMOretOUTSAt145))	SEMOESHIt145<-ES(datSEMOretOUTSAt145$rev.SEMOretOUTSAt145, p=0.975, method="historical")
SEMO	146	36	1832	2019-01-24	2019-01-24	SEMOretOUTSAt146:-ln(SEMOaprx[36:1832]/lead(SEMOaprx[36:1832], 1))[1:1796]	datSEMOretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEMOretOUTSAt146))	SEMOESHIt146<-ES(datSEMOretOUTSAt146$rev.SEMOretOUTSAt146, p=0.975, method="historical")
SEMO	147	35	1831	2019-01-25	2019-01-25	SEMOretOUTSAt147:-ln(SEMOaprx[35:1831]/lead(SEMOaprx[35:1831], 1))[1:1796]	datSEMOretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEMOretOUTSAt147))	SEMOESHIt147<-ES(datSEMOretOUTSAt147$rev.SEMOretOUTSAt147, p=0.975, method="historical")
SEMO	148	34	1830	2019-01-26	2019-01-26	SEMOretOUTSAt148:-ln(SEMOaprx[34:1830]/lead(SEMOaprx[34:1830], 1))[1:1796]	datSEMOretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEMOretOUTSAt148))	SEMOESHIt148<-ES(datSEMOretOUTSAt148$rev.SEMOretOUTSAt148, p=0.975, method="historical")
SEMO	149	33	1829	2019-01-27	2019-01-27	SEMOretOUTSAt149:-ln(SEMOaprx[33:1829]/lead(SEMOaprx[33:1829], 1))[1:1796]	datSEMOretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEMOretOUTSAt149))	SEMOESHIt149<-ES(datSEMOretOUTSAt149$rev.SEMOretOUTSAt149, p=0.975, method="historical")
SEMO	150	32	1828	2019-01-28	2019-01-28	SEMOretOUTSAt150:-ln(SEMOaprx[32:1828]/lead(SEMOaprx[32:1828], 1))[1:1796]	datSEMOretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEMOretOUTSAt150))	SEMOESHIt150<-ES(datSEMOretOUTSAt150$rev.SEMOretOUTSAt150, p=0.975, method="historical")
SEMO	151	31	1827	2019-01-29	2019-01-29	SEMOretOUTSAt151:-ln(SEMOaprx[31:1827]/lead(SEMOaprx[31:1827], 1))[1:1796]	datSEMOretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEMOretOUTSAt151))	SEMOESHIt151<-ES(datSEMOretOUTSAt151$rev.SEMOretOUTSAt151, p=0.975, method="historical")
SEMO	152	30	1826	2019-01-30	2019-01-30	SEMOretOUTSAt152:-ln(SEMOaprx[30:1826]/lead(SEMOaprx[30:1826], 1))[1:1796]	datSEMOretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEMOretOUTSAt152))	SEMOESHIt152<-ES(datSEMOretOUTSAt152$rev.SEMOretOUTSAt152, p=0.975, method="historical")
SEMO	153	29	1825	2019-01-31	2019-01-31	SEMOretOUTSAt153:-ln(SEMOaprx[29:1825]/lead(SEMOaprx[29:1825], 1))[1:1796]	datSEMOretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEMOretOUTSAt153))	SEMOESHIt153<-ES(datSEMOretOUTSAt153$rev.SEMOretOUTSAt153, p=0.975, method="historical")
SEMO	154	28	1824	2019-02-01	2019-02-01	SEMOretOUTSAt154:-ln(SEMOaprx[28:1824]/lead(SEMOaprx[28:1824], 1))[1:1796]	datSEMOretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEMOretOUTSAt154))	SEMOESHIt154<-ES(datSEMOretOUTSAt154$rev.SEMOretOUTSAt154, p=0.975, method="historical")
SEMO	155	27	1823	2019-02-02	2019-02-02	SEMOretOUTSAt155:-ln(SEMOaprx[27:1823]/lead(SEMOaprx[27:1823], 1))[1:1796]	datSEMOretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEMOretOUTSAt155))	SEMOESHIt155<-ES(datSEMOretOUTSAt155$rev.SEMOretOUTSAt155, p=0.975, method="historical")
SEMO	156	26	1822	2019-02-03	2019-02-03	SEMOretOUTSAt156:-ln(SEMOaprx[26:1822]/lead(SEMOaprx[26:1822], 1))[1:1796]	datSEMOretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEMOretOUTSAt156))	SEMOESHIt156<-ES(datSEMOretOUTSAt156$rev.SEMOretOUTSAt156, p=0.975, method="historical")
SEMO	157	25	1821	2019-02-04	2019-02-04	SEMOretOUTSAt157:-ln(SEMOaprx[25:1821]/lead(SEMOaprx[25:1821], 1))[1:1796]	datSEMOretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEMOretOUTSAt157))	SEMOESHIt157<-ES(datSEMOretOUTSAt157$rev.SEMOretOUTSAt157, p=0.975, method="historical")
SEMO	158	24	1820	2019-02-05	2019-02-05	SEMOretOUTSAt158:-ln(SEMOaprx[24:1820]/lead(SEMOaprx[24:1820], 1))[1:1796]	datSEMOretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEMOretOUTSAt158))	SEMOESHIt158<-ES(datSEMOretOUTSAt158$rev.SEMOretOUTSAt158, p=0.975, method="historical")
SEMO	159	23	1819	2019-02-06	2019-02-06	SEMOretOUTSAt159:-ln(SEMOaprx[23:1819]/lead(SEMOaprx[23:1819], 1))[1:1796]	datSEMOretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEMOretOUTSAt159))	SEMOESHIt159<-ES(datSEMOretOUTSAt159$rev.SEMOretOUTSAt159, p=0.975, method="historical")
SEMO	160	22	1818	2019-02-07	2019-02-07	SEMOretOUTSAt160:-ln(SEMOaprx[22:1818]/lead(SEMOaprx[22:1818], 1))[1:1796]	datSEMOretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEMOretOUTSAt160))	SEMOESHIt160<-ES(datSEMOretOUTSAt160$rev.SEMOretOUTSAt160, p=0.975, method="historical")
SEMO	161	21	1817	2019-02-08	2019-02-08	SEMOretOUTSAt161:-ln(SEMOaprx[21:1817]/lead(SEMOaprx[21:1817], 1))[1:1796]	datSEMOretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEMOretOUTSAt161))	SEMOESHIt161<-ES(datSEMOretOUTSAt161$rev.SEMOretOUTSAt161, p=0.975, method="historical")
SEMO	162	20	1816	2019-02-09	2019-02-09	SEMOretOUTSAt162:-ln(SEMOaprx[20:1816]/lead(SEMOaprx[20:1816], 1))[1:1796]	datSEMOretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEMOretOUTSAt162))	SEMOESHIt162<-ES(datSEMOretOUTSAt162$rev.SEMOretOUTSAt162, p=0.975, method="historical")
SEMO	163	19	1815	2019-02-10	2019-02-10	SEMOretOUTSAt163:-ln(SEMOaprx[19:1815]/lead(SEMOaprx[19:1815], 1))[1:1796]	datSEMOretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEMOretOUTSAt163))	SEMOESHIt163<-ES(datSEMOretOUTSAt163$rev.SEMOretOUTSAt163, p=0.975, method="historical")
SEMO	164	18	1814	2019-02-11	2019-02-11	SEMOretOUTSAt164:-ln(SEMOaprx[18:1814]/lead(SEMOaprx[18:1814], 1))[1:1796]	datSEMOretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEMOretOUTSAt164))	SEMOESHIt164<-ES(datSEMOretOUTSAt164$rev.SEMOretOUTSAt164, p=0.975, method="historical")
SEMO	165	17	1813	2019-02-12	2019-02-12	SEMOretOUTSAt165:-ln(SEMOaprx[17:1813]/lead(SEMOaprx[17:1813], 1))[1:1796]	datSEMOretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEMOretOUTSAt165))	SEMOESHIt165<-ES(datSEMOretOUTSAt165$rev.SEMOretOUTSAt165, p=0.975, method="historical")
SEMO	166	16	1812	2019-02-13	2019-02-13	SEMOretOUTSAt166:-ln(SEMOaprx[16:1812]/lead(SEMOaprx[16:1812], 1))[1:1796]	datSEMOretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEMOretOUTSAt166))	SEMOESHIt166<-ES(datSEMOretOUTSAt166$rev.SEMOretOUTSAt166, p=0.975, method="historical")
SEMO	167	15	1811	2019-02-14	2019-02-14	SEMOretOUTSAt167:-ln(SEMOaprx[15:1811]/lead(SEMOaprx[15:1811], 1))[1:1796]	datSEMOretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEMOretOUTSAt167))	SEMOESHIt167<-ES(datSEMOretOUTSAt167$rev.SEMOretOUTSAt167, p=0.975, method="historical")
SEMO	168	14	1810	2019-02-15	2019-02-15	SEMOretOUTSAt168:-ln(SEMOaprx[14:1810]/lead(SEMOaprx[14:1810], 1))[1:1796]	datSEMOretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEMOretOUTSAt168))	SEMOESHIt168<-ES(datSEMOretOUTSAt168$rev.SEMOretOUTSAt168, p=0.975, method="historical")
SEMO	169	13	1809	2019-02-16	2019-02-16	SEMOretOUTSAt169:-ln(SEMOaprx[13:1809]/lead(SEMOaprx[13:1809], 1))[1:1796]	datSEMOretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEMOretOUTSAt169))	SEMOESHIt169<-ES(datSEMOretOUTSAt169$rev.SEMOretOUTSAt169, p=0.975, method="historical")
SEMO	170	12	1808	2019-02-17	2019-02-17	SEMOretOUTSAt170:-ln(SEMOaprx[12:1808]/lead(SEMOaprx[12:1808], 1))[1:1796]	datSEMOretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as

SEOG	46	136	1932	2018-10-16	2018-10-16	SEOGretOUTSAt46<-ln(SEOGaprx[136:1932]/lead(SEOGaprx[136:1932], 1))[1:1796]	datSEOGretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEOGretOUTSAt46))	SEOGESHIt46<-ES(datSEOGretOUTSAt46$rev.SEOGretOUTSAt46, p=0.975, method="historical")
SEOG	47	135	1931	2018-10-17	2018-10-17	SEOGretOUTSAt47<-ln(SEOGaprx[135:1931]/lead(SEOGaprx[135:1931], 1))[1:1796]	datSEOGretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEOGretOUTSAt47))	SEOGESHIt47<-ES(datSEOGretOUTSAt47$rev.SEOGretOUTSAt47, p=0.975, method="historical")
SEOG	48	134	1930	2018-10-18	2018-10-18	SEOGretOUTSAt48<-ln(SEOGaprx[134:1930]/lead(SEOGaprx[134:1930], 1))[1:1796]	datSEOGretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEOGretOUTSAt48))	SEOGESHIt48<-ES(datSEOGretOUTSAt48$rev.SEOGretOUTSAt48, p=0.975, method="historical")
SEOG	49	133	1929	2018-10-19	2018-10-19	SEOGretOUTSAt49<-ln(SEOGaprx[133:1929]/lead(SEOGaprx[133:1929], 1))[1:1796]	datSEOGretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEOGretOUTSAt49))	SEOGESHIt49<-ES(datSEOGretOUTSAt49$rev.SEOGretOUTSAt49, p=0.975, method="historical")
SEOG	50	132	1928	2018-10-20	2018-10-20	SEOGretOUTSAt50<-ln(SEOGaprx[132:1928]/lead(SEOGaprx[132:1928], 1))[1:1796]	datSEOGretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEOGretOUTSAt50))	SEOGESHIt50<-ES(datSEOGretOUTSAt50$rev.SEOGretOUTSAt50, p=0.975, method="historical")
SEOG	51	131	1927	2018-10-21	2018-10-21	SEOGretOUTSAt51<-ln(SEOGaprx[131:1927]/lead(SEOGaprx[131:1927], 1))[1:1796]	datSEOGretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEOGretOUTSAt51))	SEOGESHIt51<-ES(datSEOGretOUTSAt51$rev.SEOGretOUTSAt51, p=0.975, method="historical")
SEOG	52	130	1926	2018-10-22	2018-10-22	SEOGretOUTSAt52<-ln(SEOGaprx[130:1926]/lead(SEOGaprx[130:1926], 1))[1:1796]	datSEOGretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEOGretOUTSAt52))	SEOGESHIt52<-ES(datSEOGretOUTSAt52$rev.SEOGretOUTSAt52, p=0.975, method="historical")
SEOG	53	129	1925	2018-10-23	2018-10-23	SEOGretOUTSAt53<-ln(SEOGaprx[129:1925]/lead(SEOGaprx[129:1925], 1))[1:1796]	datSEOGretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEOGretOUTSAt53))	SEOGESHIt53<-ES(datSEOGretOUTSAt53$rev.SEOGretOUTSAt53, p=0.975, method="historical")
SEOG	54	128	1924	2018-10-24	2018-10-24	SEOGretOUTSAt54<-ln(SEOGaprx[128:1924]/lead(SEOGaprx[128:1924], 1))[1:1796]	datSEOGretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEOGretOUTSAt54))	SEOGESHIt54<-ES(datSEOGretOUTSAt54$rev.SEOGretOUTSAt54, p=0.975, method="historical")
SEOG	55	127	1923	2018-10-25	2018-10-25	SEOGretOUTSAt55<-ln(SEOGaprx[127:1923]/lead(SEOGaprx[127:1923], 1))[1:1796]	datSEOGretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SEOGretOUTSAt55))	SEOGESHIt55<-ES(datSEOGretOUTSAt55$rev.SEOGretOUTSAt55, p=0.975, method="historical")
SEOG	56	126	1922	2018-10-26	2018-10-26	SEOGretOUTSAt56<-ln(SEOGaprx[126:1922]/lead(SEOGaprx[126:1922], 1))[1:1796]	datSEOGretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SEOGretOUTSAt56))	SEOGESHIt56<-ES(datSEOGretOUTSAt56$rev.SEOGretOUTSAt56, p=0.975, method="historical")
SEOG	57	125	1921	2018-10-27	2018-10-27	SEOGretOUTSAt57<-ln(SEOGaprx[125:1921]/lead(SEOGaprx[125:1921], 1))[1:1796]	datSEOGretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SEOGretOUTSAt57))	SEOGESHIt57<-ES(datSEOGretOUTSAt57$rev.SEOGretOUTSAt57, p=0.975, method="historical")
SEOG	58	124	1920	2018-10-28	2018-10-28	SEOGretOUTSAt58<-ln(SEOGaprx[124:1920]/lead(SEOGaprx[124:1920], 1))[1:1796]	datSEOGretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEOGretOUTSAt58))	SEOGESHIt58<-ES(datSEOGretOUTSAt58$rev.SEOGretOUTSAt58, p=0.975, method="historical")
SEOG	59	123	1919	2018-10-29	2018-10-29	SEOGretOUTSAt59<-ln(SEOGaprx[123:1919]/lead(SEOGaprx[123:1919], 1))[1:1796]	datSEOGretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEOGretOUTSAt59))	SEOGESHIt59<-ES(datSEOGretOUTSAt59$rev.SEOGretOUTSAt59, p=0.975, method="historical")
SEOG	60	122	1918	2018-10-30	2018-10-30	SEOGretOUTSAt60<-ln(SEOGaprx[122:1918]/lead(SEOGaprx[122:1918], 1))[1:1796]	datSEOGretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEOGretOUTSAt60))	SEOGESHIt60<-ES(datSEOGretOUTSAt60$rev.SEOGretOUTSAt60, p=0.975, method="historical")
SEOG	61	121	1917	2018-10-31	2018-10-31	SEOGretOUTSAt61<-ln(SEOGaprx[121:1917]/lead(SEOGaprx[121:1917], 1))[1:1796]	datSEOGretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEOGretOUTSAt61))	SEOGESHIt61<-ES(datSEOGretOUTSAt61$rev.SEOGretOUTSAt61, p=0.975, method="historical")
SEOG	62	120	1916	2018-11-01	2018-11-01	SEOGretOUTSAt62<-ln(SEOGaprx[120:1916]/lead(SEOGaprx[120:1916], 1))[1:1796]	datSEOGretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEOGretOUTSAt62))	SEOGESHIt62<-ES(datSEOGretOUTSAt62$rev.SEOGretOUTSAt62, p=0.975, method="historical")
SEOG	63	119	1915	2018-11-02	2018-11-02	SEOGretOUTSAt63<-ln(SEOGaprx[119:1915]/lead(SEOGaprx[119:1915], 1))[1:1796]	datSEOGretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEOGretOUTSAt63))	SEOGESHIt63<-ES(datSEOGretOUTSAt63$rev.SEOGretOUTSAt63, p=0.975, method="historical")
SEOG	64	118	1914	2018-11-03	2018-11-03	SEOGretOUTSAt64<-ln(SEOGaprx[118:1914]/lead(SEOGaprx[118:1914], 1))[1:1796]	datSEOGretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SEOGretOUTSAt64))	SEOGESHIt64<-ES(datSEOGretOUTSAt64$rev.SEOGretOUTSAt64, p=0.975, method="historical")
SEOG	65	117	1913	2018-11-04	2018-11-04	SEOGretOUTSAt65<-ln(SEOGaprx[117:1913]/lead(SEOGaprx[117:1913], 1))[1:1796]	datSEOGretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SEOGretOUTSAt65))	SEOGESHIt65<-ES(datSEOGretOUTSAt65$rev.SEOGretOUTSAt65, p=0.975, method="historical")
SEOG	66	116	1912	2018-11-05	2018-11-05	SEOGretOUTSAt66<-ln(SEOGaprx[116:1912]/lead(SEOGaprx[116:1912], 1))[1:1796]	datSEOGretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SEOGretOUTSAt66))	SEOGESHIt66<-ES(datSEOGretOUTSAt66$rev.SEOGretOUTSAt66, p=0.975, method="historical")
SEOG	67	115	1911	2018-11-06	2018-11-06	SEOGretOUTSAt67<-ln(SEOGaprx[115:1911]/lead(SEOGaprx[115:1911], 1))[1:1796]	datSEOGretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEOGretOUTSAt67))	SEOGESHIt67<-ES(datSEOGretOUTSAt67$rev.SEOGretOUTSAt67, p=0.975, method="historical")
SEOG	68	114	1910	2018-11-07	2018-11-07	SEOGretOUTSAt68<-ln(SEOGaprx[114:1910]/lead(SEOGaprx[114:1910], 1))[1:1796]	datSEOGretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEOGretOUTSAt68))	SEOGESHIt68<-ES(datSEOGretOUTSAt68$rev.SEOGretOUTSAt68, p=0.975, method="historical")
SEOG	69	113	1909	2018-11-08	2018-11-08	SEOGretOUTSAt69<-ln(SEOGaprx[113:1909]/lead(SEOGaprx[113:1909], 1))[1:1796]	datSEOGretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEOGretOUTSAt69))	SEOGESHIt69<-ES(datSEOGretOUTSAt69$rev.SEOGretOUTSAt69, p=0.975, method="historical")
SEOG	70	112	1908	2018-11-09	2018-11-09	SEOGretOUTSAt70<-ln(SEOGaprx[112:1908]/lead(SEOGaprx[112:1908], 1))[1:1796]	datSEOGretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEOGretOUTSAt70))	SEOGESHIt70<-ES(datSEOGretOUTSAt70$rev.SEOGretOUTSAt70, p=0.975, method="historical")
SEOG	71	111	1907	2018-11-10	2018-11-10	SEOGretOUTSAt71<-ln(SEOGaprx[111:1907]/lead(SEOGaprx[111:1907], 1))[1:1796]	datSEOGretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEOGretOUTSAt71))	SEOGESHIt71<-ES(datSEOGretOUTSAt71$rev.SEOGretOUTSAt71, p=0.975, method="historical")
SEOG	72	110	1906	2018-11-11	2018-11-11	SEOGretOUTSAt72<-ln(SEOGaprx[110:1906]/lead(SEOGaprx[110:1906], 1))[1:1796]	datSEOGretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEOGretOUTSAt72))	SEOGESHIt72<-ES(datSEOGretOUTSAt72$rev.SEOGretOUTSAt72, p=0.975, method="historical")
SEOG	73	109	1905	2018-11-12	2018-11-12	SEOGretOUTSAt73<-ln(SEOGaprx[109:1905]/lead(SEOGaprx[109:1905], 1))[1:1796]	datSEOGretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEOGretOUTSAt73))	SEOGESHIt73<-ES(datSEOGretOUTSAt73$rev.SEOGretOUTSAt73, p=0.975, method="historical")
SEOG	74	108	1904	2018-11-13	2018-11-13	SEOGretOUTSAt74<-ln(SEOGaprx[108:1904]/lead(SEOGaprx[108:1904], 1))[1:1796]	datSEOGretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SEOGretOUTSAt74))	SEOGESHIt74<-ES(datSEOGretOUTSAt74$rev.SEOGretOUTSAt74, p=0.975, method="historical")
SEOG	75	107	1903	2018-11-14	2018-11-14	SEOGretOUTSAt75<-ln(SEOGaprx[107:1903]/lead(SEOGaprx[107:1903], 1))[1:1796]	datSEOGretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SEOGretOUTSAt75))	SEOGESHIt75<-ES(datSEOGretOUTSAt75$rev.SEOGretOUTSAt75, p=0.975, method="historical")
SEOG	76	106	1902	2018-11-15	2018-11-15	SEOGretOUTSAt76<-ln(SEOGaprx[106:1902]/lead(SEOGaprx[106:1902], 1))[1:1796]	datSEOGretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEOGretOUTSAt76))	SEOGESHIt76<-ES(datSEOGretOUTSAt76$rev.SEOGretOUTSAt76, p=0.975, method="historical")
SEOG	77	105	1901	2018-11-16	2018-11-16	SEOGretOUTSAt77<-ln(SEOGaprx[105:1901]/lead(SEOGaprx[105:1901], 1))[1:1796]	datSEOGretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEOGretOUTSAt77))	SEOGESHIt77<-ES(datSEOGretOUTSAt77$rev.SEOGretOUTSAt77, p=0.975, method="historical")
SEOG	78	104	1900	2018-11-17	2018-11-17	SEOGretOUTSAt78<-ln(SEOGaprx[104:1900]/lead(SEOGaprx[104:1900], 1))[1:1796]	datSEOGretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEOGretOUTSAt78))	SEOGESHIt78<-ES(datSEOGretOUTSAt78$rev.SEOGretOUTSAt78, p=0.975, method="historical")
SEOG	79	103	1899	2018-11-18	2018-11-18	SEOGretOUTSAt79<-ln(SEOGaprx[103:1899]/lead(SEOGaprx[103:1899], 1))[1:1796]	datSEOGretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEOGretOUTSAt79))	SEOGESHIt79<-ES(datSEOGretOUTSAt79$rev.SEOGretOUTSAt79, p=0.975, method="historical")
SEOG	80	102	1898	2018-11-19	2018-11-19	SEOGretOUTSAt80<-ln(SEOGaprx[102:1898]/lead(SEOGaprx[102:1898], 1))[1:1796]	datSEOGretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEOGretOUTSAt80))	SEOGESHIt80<-ES(datSEOGretOUTSAt80$rev.SEOGretOUTSAt80, p=0.975, method="historical")
SEOG	81	101	1897	2018-11-20	2018-11-20	SEOGretOUTSAt81<-ln(SEOGaprx[101:1897]/lead(SEOGaprx[101:1897], 1))[1:1796]	datSEOGretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEOGretOUTSAt81))	SEOGESHIt81<-ES(datSEOGretOUTSAt81$rev.SEOGretOUTSAt81, p=0.975, method="historical")
SEOG	82	100	1896	2018-11-21	2018-11-21	SEOGretOUTSAt82<-ln(SEOGaprx[100:1896]/lead(SEOGaprx[100:1896], 1))[1:1796]	datSEOGretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEOGretOUTSAt82))	SEOGESHIt82<-ES(datSEOGretOUTSAt82$rev.SEOGretOUTSAt82, p=0.975, method="historical")
SEOG	83	99	1895	2018-11-22	2018-11-22	SEOGretOUTSAt83<-ln(SEOGaprx[99:1895]/lead(SEOGaprx[99:1895], 1))[1:1796]	datSEOGretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEOGretOUTSAt83))	SEOGESHIt83<-ES(datSEOGretOUTSAt83$rev.SEOGretOUTSAt83, p=0.975, method="historical")
SEOG	84	98	1894	2018-11-23	2018-11-23	SEOGretOUTSAt84<-ln(SEOGaprx[98:1894]/lead(SEOGaprx[98:1894], 1))[1:1796]	datSEOGretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEOGretOUTSAt84))	SEOGESHIt84<-ES(datSEOGretOUTSAt84$rev.SEOGretOUTSAt84, p=0.975, method="historical")
SEOG	85	97	1893	2018-11-24	2018-11-24	SEOGretOUTSAt85<-ln(SEOGaprx[97:1893]/lead(SEOGaprx[97:1893], 1))[1:1796]	datSEOGretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEOGretOUTSAt85))	SEOGESHIt85<-ES(datSEOGretOUTSAt85$rev.SEOGretOUTSAt85, p=0.975, method="historical")
SEOG	86	96	1892	2018-11-25	2018-11-25	SEOGretOUTSAt86<-ln(SEOGaprx[96:1892]/lead(SEOGaprx[96:1892], 1))[1:1796]	datSEOGretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEOGretOUTSAt86))	SEOGESHIt86<-ES(datSEOGretOUTSAt86$rev.SEOGretOUTSAt86, p=0.975, method="historical")
SEOG	87	95	1891	2018-11-26	2018-11-26	SEOGretOUTSAt87<-ln(SEOGaprx[95:1891]/lead(SEOGaprx[95:1891], 1))[1:1796]	datSEOGretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEOGretOUTSAt87))	SEOGESHIt87<-ES(datSEOGretOUTSAt87$rev.SEOGretOUTSAt87, p=0.975, method="historical")
SEOG	88	94	1890	2018-11-27	2018-11-27	SEOGretOUTSAt88<-ln(SEOGaprx[94:1890]/lead(SEOGaprx[94:1890], 1))[1:1796]	datSEOGretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEOGretOUTSAt88))	SEOGESHIt88<-ES(datSEOGretOUTSAt88$rev.SEOGretOUTSAt88, p=0.975, method="historical")
SEOG	89	93	1889	2018-11-28	2018-11-28	SEOGretOUTSAt89<-ln(SEOGaprx[93:1889]/lead(SEOGaprx[93:1889], 1))[1:1796]	datSEOGretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEOGretOUTSAt89))	SEOGESHIt89<-ES(datSEOGretOUTSAt89$rev.SEOGretOUTSAt89, p=0.975, method="historical")
SEOG	90	92	1888	2018-11-29	2018-11-29	SEOGretOUTSAt90<-ln(SEOGaprx[92:1888]/lead(SEOGaprx[92:1888], 1))[1:1796]	datSEOGretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEOGretOUTSAt90))	SEOGESHIt90<-ES(datSEOGretOUTSAt90$rev.SEOGretOUTSAt90, p=0.975, method="historical")
SEOG	91	91	1887	2018-11-30	2018-11-30	SEOGretOUTSAt91<-ln(SEOGaprx[91:1887]/lead(SEOGaprx[91:1887], 1))[1:1796]	datSEOGretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEOGretOUTSAt91))	SEOGESHIt91<-ES(datSEOGretOUTSAt91$rev.SEOGretOUTSAt91, p=0.975, method="historical")
SEOG	92	90	1886	2018-12-01	2018-12-01	SEOGretOUTSAt92<-ln(SEOGaprx[90:1886]/lead(SEOGaprx[90:1886], 1))[1:1796]	datSEOGretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEOGretOUTSAt92))	SEOGESHIt92<-ES(datSEOGretOUTSAt92$rev.SEOGretOUTSAt92, p=0.975, method="historical")
SEOG	93	89	1885	2018-12-02	2018-12-02	SEOGretOUTSAt93<-ln(SEOGaprx[89:1885]/lead(SEOGaprx[89:1885], 1))[1:1796]	datSEOGretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEOGretOUTSAt93))	SEOGESHIt93<-ES(datSEOGretOUTSAt93$rev.SEOGretOUTSAt93, p=0.975, method="historical")
SEOG	94	88	1884	2018-12-03	2018-12-03	SEOGretOUTSAt94<-ln(SEOGaprx[88:1884]/lead(SEOGaprx[88:1884], 1))[1:1796]	datSEOGretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEOGretOUTSAt94))	SEOGESHIt94<-ES(datSEOGretOUTSAt94$rev.SEOGretOUTSAt94, p=0.975, method="historical")
SEOG	95	87	1883	2018-12-04	2018-12-04	SEOGretOUTSAt95<-ln(SEOGaprx[87:1883]/lead(SEOGaprx[87:1883], 1))[1:1796]	datSEOGretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEOGretOUTSAt95))	SEOGESHIt95<-ES(datSEOGretOUTSAt95$rev.SEOGretOUTSAt95, p=0.975, method="historical")
SEOG	96	86	1882	2018-12-05	2018-12-05	SEOGretOUTSAt96<-ln(SEOGaprx[86:1882]/lead(SEOGaprx[86:1882], 1))[1:1796]	datSEOGretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEOGretOUTSAt96))	SEOGESHIt96<-ES(datSEOGretOUTSAt96$rev.SEOGretOUTSAt96, p=0.975, method="historical")
SEOG	97	85	1881	2018-12-06	2018-12-06	SEOGretOUTSAt97<-ln(SEOGaprx[85:1881]/lead(SEOGaprx[85:1881], 1))[1:1796]	datSEOGretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEOGretOUTSAt97))	SEOGESHIt97<-ES(datSEOGretOUTSAt97$rev.SEOGretOUTSAt97, p=0.975, method="historical")
SEOG	98	84	1880	2018-12-07	2018-12-07	SEOGretOUTSAt98<-ln(SEOGaprx[84:1880]/lead(SEOGaprx[84:1880], 1))[1:1796]	datSEOGretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEOGretOUTSAt98))	SEOGESHIt98<-ES(datSEOGretOUTSAt98$rev.SEOGretOUTSAt98, p=0.975, method="historical")
SEOG	99	83	1879	2018-12-08	2018-12-08	SEOGretOUTSAt99<-ln(SEOGaprx[83:1879]/lead(SEOGaprx[83:1879], 1))[1:1796]	datSEOGretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEOGretOUTSAt99))	SEOGESHIt99<-ES(datSEOGretOUTSAt99$rev.SEOGretOUTSAt99, p=0.975, method="historical")
SEOG	100	82	1878	2018-12-09	2018-12-09	SEOGretOUTSAt100<-ln(SEOGaprx[82:1878]/lead(SEOGaprx[82:1878], 1))[1:1796]	datSEOGretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09") , as.Date("2018-12-09") , by = 1), rev(SEOGretOUTSAt100))	SEOGESHIt100<-ES(datSEOGretOUTSAt100$rev.SEOGretOUTSAt100, p=0.975, method="historical")
SEOG	101	81	1877	2018-12-10	2018-12-10	SEOGretOUTSAt101<-ln(SEOGaprx[81:1877]/lead(SEOGaprx[81:1877], 1))[1:1796]	datSEOGretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10") , as.Date("2018-12-10") , by = 1), rev(SEOGretOUTSAt101))	SEOGESHIt101<-ES(datSEOGretOUTSAt101$rev.SEOGretOUTSAt101, p=0.975, method="historical")
SEOG	102	80	1876	2018-12-11	2018-12-11	SEOGretOUTSAt102<-ln(SEOGaprx[80:1876]/lead(SEOGaprx[80:1876], 1))[1:1796]	datSEOGretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11") , as.Date("2018-12-11") , by = 1), rev(SEOGretOUTSAt102))	SEOGESHIt102<-ES(datSEOGretOUTSAt102$rev.SEOGretOUTSAt102, p=0.975, method="historical")
SEOG	103	79	1875	2018-12-12	2018-12-12	SEOGretOUTSAt103<-ln(SEOGaprx[79:1875]/lead(SEOGaprx[79:1875], 1))[1:1796]	datSEOGretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12") , as.Date("2018-12-12") , by = 1), rev(SEOGretOUTSAt103))	SEOGESHIt103<-ES(datSEOGretOUTSAt103$rev.SEOGretOUTSAt103, p=0.975, method="historical")
SEOG	104	78	1874	2018-12-13	2018-12-13	SEOGretOUTSAt104<-ln(SEOGaprx[78:1874]/lead(SEOGaprx[78:1874], 1))[1:1796]	datSEOGretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13") , as.Date("2018-12-13") , by = 1), rev(SEOGretOUTSAt104))	SEOGESHIt104<-ES(datSEOGretOUTSAt104$rev.SEOGretOUTSAt104, p=0.975, method="historical")
SEOG	105	77	1873	2018-12-14	2018-12-14	SEOGretOUTSAt105<-ln(SEOGaprx[77:1873]/lead(SEOGaprx[77:1873], 1))[1:1796]	datSEOGretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14") , as.Date("2018-12-14") , by = 1), rev(SEOGretOUTSAt105))	SEOGESHIt105<-ES(datSEOGretOUTSAt105$rev.SEOGretOUTSAt105, p=0.975, method="historical")
SEOG	106	76	1872	2018-12-15	2018-12-15	SEOGretOUTSAt106<-ln(SEOGaprx[76:1872]/lead(SEOGaprx[76:1872], 1))[1:1796]	datSEOGretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15") , as.Date("2018-12-15") , by = 1), rev(SEOGretOUTSAt106))	SEOGESHIt106<-ES(datSEOGretOUTSAt106$rev.SEOGretOUTSAt106, p=0.975, method="historical")
SEOG	107	75	1871	2018-12-16	2018-12-16	SEOGretOUTSAt107<-ln(SEOGaprx[75:1871]/lead(SEOGaprx[75:1871], 1))[1:1796]	datSEOGretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16") , as.Date("2018-12-16") , by = 1), rev(SEOGretOUTSAt107))	SEOGESHIt107<-ES(datSEOGretOUTSAt107$rev.SEOGretOUTSAt107, p=0.975, method="historical")
SEOG	108	74	1870	2018-12-17	2018-12-17	SEOGretOUTSAt108<-ln(SEOGaprx[74:1870]/lead(SEOGaprx[74:1870], 1))[1:1796]	datSEOGretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17") , as.Date("2018-12-17") , by = 1), rev(SEOGretOUTSAt108))	SEOGESHIt108<-ES(datSEOGretOUTSAt108$rev.SEOGretOUTSAt108, p=0.975, method="historical")
SEOG	109	73	1869	2018-12-18	2018-12-18	SEOGretOUTSAt109<-ln(SEOGaprx[73:1869]/lead(SEOGaprx[73:1869], 1))[1:1796]	datSEOGretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18") , as.Date("2018-12-18") , by = 1), rev(SEOGretOUTSAt109))	SEOGESHIt109<-ES(datSEOGretOUTSAt109$rev.SEOGretOUTSAt109, p=0.975, method="historical")
SEOG	110	72	1868	2018-12-19	2018-12-19	SEOGretOUTSAt110<-ln(SEOGaprx[72:1868]/lead(SEOGaprx[72:1868], 1))[1:1796]	datSEOGretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19") , as.Date("2018-12-19") , by = 1), rev(SEOGretOUTSAt110))	SEOGESHIt110<-ES(datSEOGretOUTSAt110$rev.SEOGretOUTSAt110, p=0.975, method="historical")
SEOG	111	71	1867	2018-12-20	2018-12-20	SEOGretOUTSAt111<-ln(SEOGaprx[71:1867]/lead(SEOGaprx[71:1867], 1))[1:1796]	datSEOGretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20") , as.Date("2018-12-20") , by = 1), rev(SEOGretOUTSAt111))	SEOGESHIt111<-ES(datSEOGretOUTSAt111$rev.SEOGretOUTSAt111, p=0.975, method="historical")
SEOG	112	70	1866	2018-12-21	2018-12-21	SEOGretOUTSAt112<-ln(SEOGaprx[70:1866]/lead(SEOGaprx[70:1866], 1))[1:1796]	datSEOGretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21") , as.Date("2018-12-21") , by = 1), rev(SEOGretOUTSAt112))	SEOGESHIt112<-ES(datSEOGretOUTSAt112$rev.SEOGretOUTSAt112, p=0.975, method="historical")
SEOG	113	69	1865	2018-12-22	2018-12-22	SEOGretOUTSAt113<-ln(SEOGaprx[69:1865]/lead(SEOGaprx[69:1865], 1))[1:1796]	datSEOGretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22") , as.Date("2018-12-22") , by = 1), rev(SEOGretOUTSAt113))	SEOGESHIt113<-ES(datSEOGretOUTSAt113$rev.SEOGretOUTSAt113, p=0.975, method="historical")
SEOG	114	68	1864	2018-12-23	2018-12-23	SEOGretOUTSAt114<-ln(SEOGaprx[68:1864]/lead(SEOGaprx[68:1864], 1))[1:1796]	datSEOGretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23") , as.Date("2018-12-23") , by = 1), rev(SEOGretOUTSAt114))	SEOGESHIt114<-ES(datSEOGretOUTSAt114$rev.SEOGretOUTSAt114, p=0.975, method="historical")
SEOG	115	67	1863	2018-12-24	2018-12-24	SEOGretOUTSAt115<-ln(SEOGaprx[67:1863]/lead(SEOGaprx[67:1863], 1))[1:1796]	datSEOGretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24") , as.Date("2018-12-24") , by = 1), rev(SEOGretOUTSAt115))	SEOGESHIt115<-ES(datSEOGretOUTSAt115$rev.SEOGretOUTSAt115, p=0.975, method="historical")
SEOG	116	66	1862	2018-12-25	2018-12-25	SEOGretOUTSAt116<-ln(SEOGaprx[66:1862]/lead(SEOGaprx[66:1862], 1))[1:1796]	datSEOGretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25") , as.Date

SEOG	175	7	1803	2019-02-22	2019-02-22	SEOGretOUTSAt175<-ln(SEOGaprx[7:1803)/lead(SEOGaprx[7:1803), 1))[1:1796]	datSEOGretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEOGretOUTSAt175))	SEOGESHIt175<-ES(datSEOGretOUTSAt175$rev.SEOGretOUTSAt175, p=0.975, method="historical")
SEOG	176	6	1802	2019-02-23	2019-02-23	SEOGretOUTSAt176<-ln(SEOGaprx[6:1802]/lead(SEOGaprx[6:1802], 1))[1:1796]	datSEOGretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEOGretOUTSAt176))	SEOGESHIt176<-ES(datSEOGretOUTSAt176$rev.SEOGretOUTSAt176, p=0.975, method="historical")
SEOG	177	5	1801	2019-02-24	2019-02-24	SEOGretOUTSAt177<-ln(SEOGaprx[5:1801]/lead(SEOGaprx[5:1801], 1))[1:1796]	datSEOGretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEOGretOUTSAt177))	SEOGESHIt177<-ES(datSEOGretOUTSAt177$rev.SEOGretOUTSAt177, p=0.975, method="historical")
SEOG	178	4	1800	2019-02-25	2019-02-25	SEOGretOUTSAt178<-ln(SEOGaprx[4:1800]/lead(SEOGaprx[4:1800], 1))[1:1796]	datSEOGretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEOGretOUTSAt178))	SEOGESHIt178<-ES(datSEOGretOUTSAt178$rev.SEOGretOUTSAt178, p=0.975, method="historical")
SEOG	179	3	1799	2019-02-26	2019-02-26	SEOGretOUTSAt179<-ln(SEOGaprx[3:1799]/lead(SEOGaprx[3:1799], 1))[1:1796]	datSEOGretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEOGretOUTSAt179))	SEOGESHIt179<-ES(datSEOGretOUTSAt179$rev.SEOGretOUTSAt179, p=0.975, method="historical")
SEOG	180	2	1798	2019-02-27	2019-02-27	SEOGretOUTSAt180<-ln(SEOGaprx[2:1798]/lead(SEOGaprx[2:1798], 1))[1:1796]	datSEOGretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEOGretOUTSAt180))	SEOGESHIt180<-ES(datSEOGretOUTSAt180$rev.SEOGretOUTSAt180, p=0.975, method="historical")
SEOG	181	1	1797	2019-02-28	2019-02-28	SEOGretOUTSAt181<-ln(SEOGaprx[1:1797]/lead(SEOGaprx[1:1797], 1))[1:1796]	datSEOGretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEOGretOUTSAt181))	SEOGESHIt181<-ES(datSEOGretOUTSAt181$rev.SEOGretOUTSAt181, p=0.975, method="historical")
SEOE									
SEOE	1	181	1977	2018-09-01	2018-09-01	SEOEretOUTSAt1<-ln(SEOEaprx[181:1977]/lead(SEOEaprx[181:1977], 1))[1:1796]	datSEOEretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEOEretOUTSAt1))	SEOEESHIt1<-ES(datSEOEretOUTSAt1$rev.SEOEretOUTSAt1, p=0.975, method="historical")
SEOE	2	180	1976	2018-09-02	2018-09-02	SEOEretOUTSAt2<-ln(SEOEaprx[180:1976]/lead(SEOEaprx[180:1976], 1))[1:1796]	datSEOEretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEOEretOUTSAt2))	SEOEESHIt2<-ES(datSEOEretOUTSAt2$rev.SEOEretOUTSAt2, p=0.975, method="historical")
SEOE	3	179	1975	2018-09-03	2018-09-03	SEOEretOUTSAt3<-ln(SEOEaprx[179:1975]/lead(SEOEaprx[179:1975], 1))[1:1796]	datSEOEretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEOEretOUTSAt3))	SEOEESHIt3<-ES(datSEOEretOUTSAt3$rev.SEOEretOUTSAt3, p=0.975, method="historical")
SEOE	4	178	1974	2018-09-04	2018-09-04	SEOEretOUTSAt4<-ln(SEOEaprx[178:1974]/lead(SEOEaprx[178:1974], 1))[1:1796]	datSEOEretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEOEretOUTSAt4))	SEOEESHIt4<-ES(datSEOEretOUTSAt4$rev.SEOEretOUTSAt4, p=0.975, method="historical")
SEOE	5	177	1973	2018-09-05	2018-09-05	SEOEretOUTSAt5<-ln(SEOEaprx[177:1973]/lead(SEOEaprx[177:1973], 1))[1:1796]	datSEOEretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEOEretOUTSAt5))	SEOEESHIt5<-ES(datSEOEretOUTSAt5$rev.SEOEretOUTSAt5, p=0.975, method="historical")
SEOE	6	176	1972	2018-09-06	2018-09-06	SEOEretOUTSAt6<-ln(SEOEaprx[176:1972]/lead(SEOEaprx[176:1972], 1))[1:1796]	datSEOEretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEOEretOUTSAt6))	SEOEESHIt6<-ES(datSEOEretOUTSAt6$rev.SEOEretOUTSAt6, p=0.975, method="historical")
SEOE	7	175	1971	2018-09-07	2018-09-07	SEOEretOUTSAt7<-ln(SEOEaprx[175:1971]/lead(SEOEaprx[175:1971], 1))[1:1796]	datSEOEretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEOEretOUTSAt7))	SEOEESHIt7<-ES(datSEOEretOUTSAt7$rev.SEOEretOUTSAt7, p=0.975, method="historical")
SEOE	8	174	1970	2018-09-08	2018-09-08	SEOEretOUTSAt8<-ln(SEOEaprx[174:1970]/lead(SEOEaprx[174:1970], 1))[1:1796]	datSEOEretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEOEretOUTSAt8))	SEOEESHIt8<-ES(datSEOEretOUTSAt8$rev.SEOEretOUTSAt8, p=0.975, method="historical")
SEOE	9	173	1969	2018-09-09	2018-09-09	SEOEretOUTSAt9<-ln(SEOEaprx[173:1969]/lead(SEOEaprx[173:1969], 1))[1:1796]	datSEOEretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEOEretOUTSAt9))	SEOEESHIt9<-ES(datSEOEretOUTSAt9$rev.SEOEretOUTSAt9, p=0.975, method="historical")
SEOE	10	172	1968	2018-09-10	2018-09-10	SEOEretOUTSAt10<-ln(SEOEaprx[172:1968]/lead(SEOEaprx[172:1968], 1))[1:1796]	datSEOEretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEOEretOUTSAt10))	SEOEESHIt10<-ES(datSEOEretOUTSAt10$rev.SEOEretOUTSAt10, p=0.975, method="historical")
SEOE	11	171	1967	2018-09-11	2018-09-11	SEOEretOUTSAt11<-ln(SEOEaprx[171:1967]/lead(SEOEaprx[171:1967], 1))[1:1796]	datSEOEretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEOEretOUTSAt11))	SEOEESHIt11<-ES(datSEOEretOUTSAt11$rev.SEOEretOUTSAt11, p=0.975, method="historical")
SEOE	12	170	1966	2018-09-12	2018-09-12	SEOEretOUTSAt12<-ln(SEOEaprx[170:1966]/lead(SEOEaprx[170:1966], 1))[1:1796]	datSEOEretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEOEretOUTSAt12))	SEOEESHIt12<-ES(datSEOEretOUTSAt12$rev.SEOEretOUTSAt12, p=0.975, method="historical")
SEOE	13	169	1965	2018-09-13	2018-09-13	SEOEretOUTSAt13<-ln(SEOEaprx[169:1965]/lead(SEOEaprx[169:1965], 1))[1:1796]	datSEOEretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEOEretOUTSAt13))	SEOEESHIt13<-ES(datSEOEretOUTSAt13$rev.SEOEretOUTSAt13, p=0.975, method="historical")
SEOE	14	168	1964	2018-09-14	2018-09-14	SEOEretOUTSAt14<-ln(SEOEaprx[168:1964]/lead(SEOEaprx[168:1964], 1))[1:1796]	datSEOEretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEOEretOUTSAt14))	SEOEESHIt14<-ES(datSEOEretOUTSAt14$rev.SEOEretOUTSAt14, p=0.975, method="historical")
SEOE	15	167	1963	2018-09-15	2018-09-15	SEOEretOUTSAt15<-ln(SEOEaprx[167:1963]/lead(SEOEaprx[167:1963], 1))[1:1796]	datSEOEretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEOEretOUTSAt15))	SEOEESHIt15<-ES(datSEOEretOUTSAt15$rev.SEOEretOUTSAt15, p=0.975, method="historical")
SEOE	16	166	1962	2018-09-16	2018-09-16	SEOEretOUTSAt16<-ln(SEOEaprx[166:1962]/lead(SEOEaprx[166:1962], 1))[1:1796]	datSEOEretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEOEretOUTSAt16))	SEOEESHIt16<-ES(datSEOEretOUTSAt16$rev.SEOEretOUTSAt16, p=0.975, method="historical")
SEOE	17	165	1961	2018-09-17	2018-09-17	SEOEretOUTSAt17<-ln(SEOEaprx[165:1961]/lead(SEOEaprx[165:1961], 1))[1:1796]	datSEOEretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEOEretOUTSAt17))	SEOEESHIt17<-ES(datSEOEretOUTSAt17$rev.SEOEretOUTSAt17, p=0.975, method="historical")
SEOE	18	164	1960	2018-09-18	2018-09-18	SEOEretOUTSAt18<-ln(SEOEaprx[164:1960]/lead(SEOEaprx[164:1960], 1))[1:1796]	datSEOEretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEOEretOUTSAt18))	SEOEESHIt18<-ES(datSEOEretOUTSAt18$rev.SEOEretOUTSAt18, p=0.975, method="historical")
SEOE	19	163	1959	2018-09-19	2018-09-19	SEOEretOUTSAt19<-ln(SEOEaprx[163:1959]/lead(SEOEaprx[163:1959], 1))[1:1796]	datSEOEretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEOEretOUTSAt19))	SEOEESHIt19<-ES(datSEOEretOUTSAt19$rev.SEOEretOUTSAt19, p=0.975, method="historical")
SEOE	20	162	1958	2018-09-20	2018-09-20	SEOEretOUTSAt20<-ln(SEOEaprx[162:1958]/lead(SEOEaprx[162:1958], 1))[1:1796]	datSEOEretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEOEretOUTSAt20))	SEOEESHIt20<-ES(datSEOEretOUTSAt20$rev.SEOEretOUTSAt20, p=0.975, method="historical")
SEOE	21	161	1957	2018-09-21	2018-09-21	SEOEretOUTSAt21<-ln(SEOEaprx[161:1957]/lead(SEOEaprx[161:1957], 1))[1:1796]	datSEOEretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEOEretOUTSAt21))	SEOEESHIt21<-ES(datSEOEretOUTSAt21$rev.SEOEretOUTSAt21, p=0.975, method="historical")
SEOE	22	160	1956	2018-09-22	2018-09-22	SEOEretOUTSAt22<-ln(SEOEaprx[160:1956]/lead(SEOEaprx[160:1956], 1))[1:1796]	datSEOEretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEOEretOUTSAt22))	SEOEESHIt22<-ES(datSEOEretOUTSAt22$rev.SEOEretOUTSAt22, p=0.975, method="historical")
SEOE	23	159	1955	2018-09-23	2018-09-23	SEOEretOUTSAt23<-ln(SEOEaprx[159:1955]/lead(SEOEaprx[159:1955], 1))[1:1796]	datSEOEretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEOEretOUTSAt23))	SEOEESHIt23<-ES(datSEOEretOUTSAt23$rev.SEOEretOUTSAt23, p=0.975, method="historical")
SEOE	24	158	1954	2018-09-24	2018-09-24	SEOEretOUTSAt24<-ln(SEOEaprx[158:1954]/lead(SEOEaprx[158:1954], 1))[1:1796]	datSEOEretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEOEretOUTSAt24))	SEOEESHIt24<-ES(datSEOEretOUTSAt24$rev.SEOEretOUTSAt24, p=0.975, method="historical")
SEOE	25	157	1953	2018-09-25	2018-09-25	SEOEretOUTSAt25<-ln(SEOEaprx[157:1953]/lead(SEOEaprx[157:1953], 1))[1:1796]	datSEOEretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEOEretOUTSAt25))	SEOEESHIt25<-ES(datSEOEretOUTSAt25$rev.SEOEretOUTSAt25, p=0.975, method="historical")
SEOE	26	156	1952	2018-09-26	2018-09-26	SEOEretOUTSAt26<-ln(SEOEaprx[156:1952]/lead(SEOEaprx[156:1952], 1))[1:1796]	datSEOEretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEOEretOUTSAt26))	SEOEESHIt26<-ES(datSEOEretOUTSAt26$rev.SEOEretOUTSAt26, p=0.975, method="historical")
SEOE	27	155	1951	2018-09-27	2018-09-27	SEOEretOUTSAt27<-ln(SEOEaprx[155:1951]/lead(SEOEaprx[155:1951], 1))[1:1796]	datSEOEretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEOEretOUTSAt27))	SEOEESHIt27<-ES(datSEOEretOUTSAt27$rev.SEOEretOUTSAt27, p=0.975, method="historical")
SEOE	28	154	1950	2018-09-28	2018-09-28	SEOEretOUTSAt28<-ln(SEOEaprx[154:1950]/lead(SEOEaprx[154:1950], 1))[1:1796]	datSEOEretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEOEretOUTSAt28))	SEOEESHIt28<-ES(datSEOEretOUTSAt28$rev.SEOEretOUTSAt28, p=0.975, method="historical")
SEOE	29	153	1949	2018-09-29	2018-09-29	SEOEretOUTSAt29<-ln(SEOEaprx[153:1949]/lead(SEOEaprx[153:1949], 1))[1:1796]	datSEOEretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEOEretOUTSAt29))	SEOEESHIt29<-ES(datSEOEretOUTSAt29$rev.SEOEretOUTSAt29, p=0.975, method="historical")
SEOE	30	152	1948	2018-09-30	2018-09-30	SEOEretOUTSAt30<-ln(SEOEaprx[152:1948]/lead(SEOEaprx[152:1948], 1))[1:1796]	datSEOEretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEOEretOUTSAt30))	SEOEESHIt30<-ES(datSEOEretOUTSAt30$rev.SEOEretOUTSAt30, p=0.975, method="historical")
SEOE	31	151	1947	2018-10-01	2018-10-01	SEOEretOUTSAt31<-ln(SEOEaprx[151:1947]/lead(SEOEaprx[151:1947], 1))[1:1796]	datSEOEretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEOEretOUTSAt31))	SEOEESHIt31<-ES(datSEOEretOUTSAt31$rev.SEOEretOUTSAt31, p=0.975, method="historical")
SEOE	32	150	1946	2018-10-02	2018-10-02	SEOEretOUTSAt32<-ln(SEOEaprx[150:1946]/lead(SEOEaprx[150:1946], 1))[1:1796]	datSEOEretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEOEretOUTSAt32))	SEOEESHIt32<-ES(datSEOEretOUTSAt32$rev.SEOEretOUTSAt32, p=0.975, method="historical")
SEOE	33	149	1945	2018-10-03	2018-10-03	SEOEretOUTSAt33<-ln(SEOEaprx[149:1945]/lead(SEOEaprx[149:1945], 1))[1:1796]	datSEOEretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEOEretOUTSAt33))	SEOEESHIt33<-ES(datSEOEretOUTSAt33$rev.SEOEretOUTSAt33, p=0.975, method="historical")
SEOE	34	148	1944	2018-10-04	2018-10-04	SEOEretOUTSAt34<-ln(SEOEaprx[148:1944]/lead(SEOEaprx[148:1944], 1))[1:1796]	datSEOEretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEOEretOUTSAt34))	SEOEESHIt34<-ES(datSEOEretOUTSAt34$rev.SEOEretOUTSAt34, p=0.975, method="historical")
SEOE	35	147	1943	2018-10-05	2018-10-05	SEOEretOUTSAt35<-ln(SEOEaprx[147:1943]/lead(SEOEaprx[147:1943], 1))[1:1796]	datSEOEretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEOEretOUTSAt35))	SEOEESHIt35<-ES(datSEOEretOUTSAt35$rev.SEOEretOUTSAt35, p=0.975, method="historical")
SEOE	36	146	1942	2018-10-06	2018-10-06	SEOEretOUTSAt36<-ln(SEOEaprx[146:1942]/lead(SEOEaprx[146:1942], 1))[1:1796]	datSEOEretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEOEretOUTSAt36))	SEOEESHIt36<-ES(datSEOEretOUTSAt36$rev.SEOEretOUTSAt36, p=0.975, method="historical")
SEOE	37	145	1941	2018-10-07	2018-10-07	SEOEretOUTSAt37<-ln(SEOEaprx[145:1941]/lead(SEOEaprx[145:1941], 1))[1:1796]	datSEOEretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEOEretOUTSAt37))	SEOEESHIt37<-ES(datSEOEretOUTSAt37$rev.SEOEretOUTSAt37, p=0.975, method="historical")
SEOE	38	144	1940	2018-10-08	2018-10-08	SEOEretOUTSAt38<-ln(SEOEaprx[144:1940]/lead(SEOEaprx[144:1940], 1))[1:1796]	datSEOEretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEOEretOUTSAt38))	SEOEESHIt38<-ES(datSEOEretOUTSAt38$rev.SEOEretOUTSAt38, p=0.975, method="historical")
SEOE	39	143	1939	2018-10-09	2018-10-09	SEOEretOUTSAt39<-ln(SEOEaprx[143:1939]/lead(SEOEaprx[143:1939], 1))[1:1796]	datSEOEretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEOEretOUTSAt39))	SEOEESHIt39<-ES(datSEOEretOUTSAt39$rev.SEOEretOUTSAt39, p=0.975, method="historical")
SEOE	40	142	1938	2018-10-10	2018-10-10	SEOEretOUTSAt40<-ln(SEOEaprx[142:1938]/lead(SEOEaprx[142:1938], 1))[1:1796]	datSEOEretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEOEretOUTSAt40))	SEOEESHIt40<-ES(datSEOEretOUTSAt40$rev.SEOEretOUTSAt40, p=0.975, method="historical")
SEOE	41	141	1937	2018-10-11	2018-10-11	SEOEretOUTSAt41<-ln(SEOEaprx[141:1937]/lead(SEOEaprx[141:1937], 1))[1:1796]	datSEOEretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEOEretOUTSAt41))	SEOEESHIt41<-ES(datSEOEretOUTSAt41$rev.SEOEretOUTSAt41, p=0.975, method="historical")
SEOE	42	140	1936	2018-10-12	2018-10-12	SEOEretOUTSAt42<-ln(SEOEaprx[140:1936]/lead(SEOEaprx[140:1936], 1))[1:1796]	datSEOEretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEOEretOUTSAt42))	SEOEESHIt42<-ES(datSEOEretOUTSAt42$rev.SEOEretOUTSAt42, p=0.975, method="historical")
SEOE	43	139	1935	2018-10-13	2018-10-13	SEOEretOUTSAt43<-ln(SEOEaprx[139:1935]/lead(SEOEaprx[139:1935], 1))[1:1796]	datSEOEretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEOEretOUTSAt43))	SEOEESHIt43<-ES(datSEOEretOUTSAt43$rev.SEOEretOUTSAt43, p=0.975, method="historical")
SEOE	44	138	1934	2018-10-14	2018-10-14	SEOEretOUTSAt44<-ln(SEOEaprx[138:1934]/lead(SEOEaprx[138:1934], 1))[1:1796]	datSEOEretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEOEretOUTSAt44))	SEOEESHIt44<-ES(datSEOEretOUTSAt44$rev.SEOEretOUTSAt44, p=0.975, method="historical")
SEOE	45	137	1933	2018-10-15	2018-10-15	SEOEretOUTSAt45<-ln(SEOEaprx[137:1933]/lead(SEOEaprx[137:1933], 1))[1:1796]	datSEOEretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEOEretOUTSAt45))	SEOEESHIt45<-ES(datSEOEretOUTSAt45$rev.SEOEretOUTSAt45, p=0.975, method="historical")
SEOE	46	136	1932	2018-10-16	2018-10-16	SEOEretOUTSAt46<-ln(SEOEaprx[136:1932]/lead(SEOEaprx[136:1932], 1))[1:1796]	datSEOEretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEOEretOUTSAt46))	SEOEESHIt46<-ES(datSEOEretOUTSAt46$rev.SEOEretOUTSAt46, p=0.975, method="historical")
SEOE	47	135	1931	2018-10-17	2018-10-17	SEOEretOUTSAt47<-ln(SEOEaprx[135:1931]/lead(SEOEaprx[135:1931], 1))[1:1796]	datSEOEretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEOEretOUTSAt47))	SEOEESHIt47<-ES(datSEOEretOUTSAt47$rev.SEOEretOUTSAt47, p=0.975, method="historical")
SEOE	48	134	1930	2018-10-18	2018-10-18	SEOEretOUTSAt48<-ln(SEOEaprx[134:1930]/lead(SEOEaprx[134:1930], 1))[1:1796]	datSEOEretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEOEretOUTSAt48))	SEOEESHIt48<-ES(datSEOEretOUTSAt48$rev.SEOEretOUTSAt48, p=0.975, method="historical")
SEOE	49	133	1929	2018-10-19	2018-10-19	SEOEretOUTSAt49<-ln(SEOEaprx[133:1929]/lead(SEOEaprx[133:1929], 1))[1:1796]	datSEOEretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEOEretOUTSAt49))	SEOEESHIt49<-ES(datSEOEretOUTSAt49$rev.SEOEretOUTSAt49, p=0.975, method="historical")
SEOE	50	132	1928	2018-10-20	2018-10-20	SEOEretOUTSAt50<-ln(SEOEaprx[132:1928]/lead(SEOEaprx[132:1928], 1))[1:1796]	datSEOEretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEOEretOUTSAt50))	SEOEESHIt50<-ES(datSEOEretOUTSAt50$rev.SEOEretOUTSAt50, p=0.975, method="historical")
SEOE	51	131	1927	2018-10-21	2018-10-21	SEOEretOUTSAt51<-ln(SEOEaprx[131:1927]/lead(SEOEaprx[131:1927], 1))[1:1796]	datSEOEretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEOEretOUTSAt51))	SEOEESHIt51<-ES(datSEOEretOUTSAt51$rev.SEOEretOUTSAt51, p=0.975, method="historical")
SEOE	52	130	1926	2018-10-22	2018-10-22	SEOEretOUTSAt52<-ln(SEOEaprx[130:1926]/lead(SEOEaprx[130:1926], 1))[1:1796]	datSEOEretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEOEretOUTSAt52))	SEOEESHIt52<-ES(datSEOEretOUTSAt52$rev.SEOEretOUTSAt52, p=0.975, method="historical")
SEOE	53	129	1925	2018-10-23	2018-10-23	SEOEretOUTSAt53<-ln(SEOEaprx[129:1925]/lead(SEOEaprx[129:1925], 1))[1:1796]	datSEOEretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEOEretOUTSAt53))	SEOEESHIt53<-ES(datSEOEretOUTSAt53$rev.SEOEretOUTSAt53, p=0.975, method="historical")
SEOE	54	128	1924	2018-10-24	2018-10-24	SEOEretOUTSAt54<-ln(SEOEaprx[128:1924]/lead(SEOEaprx[128:1924], 1))[1:1796]	datSEOEretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEOEretOUTSAt54))	SEOEESHIt54<-ES(datSEOEretOUTSAt54$rev.SEOEretOUTSAt54, p=0.975, method="historical")
SEOE	55	127	1923	2018-10-25	2018-10-25	SEOEretOUTSAt55<-ln(SEOEaprx[127:1923]/lead(SEOEaprx[127:1923], 1))[1:1796]	datSEOEretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SEOEretOUTSAt55))	SEOEESHIt55<-ES(datSEOEretOUTSAt55$rev.SEOEretOUTSAt55, p=0.975, method="historical")
SEOE	56	126	1922	2018-10-26	2018-10-26	SEOEretOUTSAt56<-ln(SEOEaprx[126:1922]/lead(SEOEaprx[126:1922], 1))[1:1796]	datSEOEretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SEOEretOUTSAt56))	SEOEESHIt56<-ES(datSEOEretOUTSAt56$rev.SEOEretOUTSAt56, p=0.975, method="historical")
SEOE	57	125	1921	2018-10-27	2018-10-27	SEOEretOUTSAt57<-ln(SEOEaprx[125:1921]/lead(SEOEaprx[125:1921], 1))[1:1796]	datSEOEretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SEOEretOUTSAt57))	SEOEESHIt57<-ES(datSEOEretOUTSAt57$rev.SEOEretOUTSAt57, p=0.975, method="historical")
SEOE	58	124	1920	2018-10-28	2018-10-28	SEOEretOUTSAt58<-ln(SEOEaprx[124:1920]/lead(SEOEaprx[124:1920], 1))[1:1796]	datSEOEretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEOEretOUTSAt58))	SEOEESHIt58<-ES(datSEOEretOUTSAt58$rev.SEOEretOUTSAt58, p=0.975, method="historical")
SEOE	59	123	1919	2018-10-29	2018-10-29	SEOEretOUTSAt59<-ln(SEOEaprx[123:1919]/lead(SEOEaprx[123:1919], 1))[1:1796]	datSEOEretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEOEretOUTSAt59))	SEOEESHIt59<-ES(datSEOEretOUTSAt59$rev.SEOEretOUTSAt59, p=0.975, method="historical")
SEOE	60	122	1918	2018-10-30	2018-10-30	SEOEretOUTSAt60<-ln(SEOEaprx[122:1918]/lead(SEOEaprx[122:1918], 1))[1:1796]	datSEOEretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEOEretOUTSAt60))	SEOEESHIt60<-ES(datSEOEretOUTSAt60$rev.SEOEretOUTSAt60, p=0.975, method="historical")
SEOE	61	121	1917	2018-10-31	2018-10-31	SEOEretOUTSAt61<-ln(SEOEaprx[121:1917]/lead(SEOEaprx[121:1917], 1))[1:1796]	datSEOEretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEOEretOUTSAt61))	SEOEESHIt61<-ES(datSEOEretOUTSAt61$rev.SEOEretOUTSAt61, p=0.975, method="historical")
SEOE	62	120	1916	2018-11-01	2018-11-01	SEOEretOUTSAt62<-ln(SEOEaprx[120:1916]/lead(SEOEaprx[120:1916], 1))[1:1796]	datSEOEretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEOEretOUTSAt62))	SEOEESHIt62<-ES(datSEOEretOUTSAt62$rev.SEOEretOUTSAt62, p=0.975, method="historical")
SEOE	63	119	1915	2018-11-02	2018-11-02	SEOEretOUTSAt63<-ln(SEOEaprx[119:1915]/lead(SEOEaprx[119:1915], 1))[1:1796]	datSEOEretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEOEretOUTSAt63))	SEOEESHIt63<-ES(datSEOEretOUTSAt63$rev.SEOEretOUTSAt63, p=0.975, method="historical")
SEOE	64	118	1914	2018-11-03	2018-11-03	SEOEretOUTSAt64<-ln(SEOEaprx[118:1914]/lead(SEOEaprx[118:1914], 1))[1:1796]	datSEOEretOUTS

SEOE	121	61	1857	2018-12-30	2018-12-30	SEOEretOUTSAt121<-ln(SEOEaprx[61:1857]/lead(SEOEaprx[61:1857], 1))[1:1796]	datSEOEretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEOEretOUTSAt121))	SEOEESHIt121<-ES(datSEOEretOUTSAt121$rev,SEOEretOUTSAt121, p=0.975, method="historical")
SEOE	122	60	1856	2018-12-31	2018-12-31	SEOEretOUTSAt122<-ln(SEOEaprx[60:1856]/lead(SEOEaprx[60:1856], 1))[1:1796]	datSEOEretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEOEretOUTSAt122))	SEOEESHIt122<-ES(datSEOEretOUTSAt122$rev,SEOEretOUTSAt122, p=0.975, method="historical")
SEOE	123	59	1855	2019-01-01	2019-01-01	SEOEretOUTSAt123<-ln(SEOEaprx[59:1855]/lead(SEOEaprx[59:1855], 1))[1:1796]	datSEOEretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEOEretOUTSAt123))	SEOEESHIt123<-ES(datSEOEretOUTSAt123$rev,SEOEretOUTSAt123, p=0.975, method="historical")
SEOE	124	58	1854	2019-01-02	2019-01-02	SEOEretOUTSAt124<-ln(SEOEaprx[58:1854]/lead(SEOEaprx[58:1854], 1))[1:1796]	datSEOEretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEOEretOUTSAt124))	SEOEESHIt124<-ES(datSEOEretOUTSAt124$rev,SEOEretOUTSAt124, p=0.975, method="historical")
SEOE	125	57	1853	2019-01-03	2019-01-03	SEOEretOUTSAt125<-ln(SEOEaprx[57:1853]/lead(SEOEaprx[57:1853], 1))[1:1796]	datSEOEretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEOEretOUTSAt125))	SEOEESHIt125<-ES(datSEOEretOUTSAt125$rev,SEOEretOUTSAt125, p=0.975, method="historical")
SEOE	126	56	1852	2019-01-04	2019-01-04	SEOEretOUTSAt126<-ln(SEOEaprx[56:1852]/lead(SEOEaprx[56:1852], 1))[1:1796]	datSEOEretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEOEretOUTSAt126))	SEOEESHIt126<-ES(datSEOEretOUTSAt126$rev,SEOEretOUTSAt126, p=0.975, method="historical")
SEOE	127	55	1851	2019-01-05	2019-01-05	SEOEretOUTSAt127<-ln(SEOEaprx[55:1851]/lead(SEOEaprx[55:1851], 1))[1:1796]	datSEOEretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEOEretOUTSAt127))	SEOEESHIt127<-ES(datSEOEretOUTSAt127$rev,SEOEretOUTSAt127, p=0.975, method="historical")
SEOE	128	54	1850	2019-01-06	2019-01-06	SEOEretOUTSAt128<-ln(SEOEaprx[54:1850]/lead(SEOEaprx[54:1850], 1))[1:1796]	datSEOEretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEOEretOUTSAt128))	SEOEESHIt128<-ES(datSEOEretOUTSAt128$rev,SEOEretOUTSAt128, p=0.975, method="historical")
SEOE	129	53	1849	2019-01-07	2019-01-07	SEOEretOUTSAt129<-ln(SEOEaprx[53:1849]/lead(SEOEaprx[53:1849], 1))[1:1796]	datSEOEretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEOEretOUTSAt129))	SEOEESHIt129<-ES(datSEOEretOUTSAt129$rev,SEOEretOUTSAt129, p=0.975, method="historical")
SEOE	130	52	1848	2019-01-08	2019-01-08	SEOEretOUTSAt130<-ln(SEOEaprx[52:1848]/lead(SEOEaprx[52:1848], 1))[1:1796]	datSEOEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEOEretOUTSAt130))	SEOEESHIt130<-ES(datSEOEretOUTSAt130$rev,SEOEretOUTSAt130, p=0.975, method="historical")
SEOE	131	51	1847	2019-01-09	2019-01-09	SEOEretOUTSAt131<-ln(SEOEaprx[51:1847]/lead(SEOEaprx[51:1847], 1))[1:1796]	datSEOEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEOEretOUTSAt131))	SEOEESHIt131<-ES(datSEOEretOUTSAt131$rev,SEOEretOUTSAt131, p=0.975, method="historical")
SEOE	132	50	1846	2019-01-10	2019-01-10	SEOEretOUTSAt132<-ln(SEOEaprx[50:1846]/lead(SEOEaprx[50:1846], 1))[1:1796]	datSEOEretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEOEretOUTSAt132))	SEOEESHIt132<-ES(datSEOEretOUTSAt132$rev,SEOEretOUTSAt132, p=0.975, method="historical")
SEOE	133	49	1845	2019-01-11	2019-01-11	SEOEretOUTSAt133<-ln(SEOEaprx[49:1845]/lead(SEOEaprx[49:1845], 1))[1:1796]	datSEOEretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEOEretOUTSAt133))	SEOEESHIt133<-ES(datSEOEretOUTSAt133$rev,SEOEretOUTSAt133, p=0.975, method="historical")
SEOE	134	48	1844	2019-01-12	2019-01-12	SEOEretOUTSAt134<-ln(SEOEaprx[48:1844]/lead(SEOEaprx[48:1844], 1))[1:1796]	datSEOEretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEOEretOUTSAt134))	SEOEESHIt134<-ES(datSEOEretOUTSAt134$rev,SEOEretOUTSAt134, p=0.975, method="historical")
SEOE	135	47	1843	2019-01-13	2019-01-13	SEOEretOUTSAt135<-ln(SEOEaprx[47:1843]/lead(SEOEaprx[47:1843], 1))[1:1796]	datSEOEretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEOEretOUTSAt135))	SEOEESHIt135<-ES(datSEOEretOUTSAt135$rev,SEOEretOUTSAt135, p=0.975, method="historical")
SEOE	136	46	1842	2019-01-14	2019-01-14	SEOEretOUTSAt136<-ln(SEOEaprx[46:1842]/lead(SEOEaprx[46:1842], 1))[1:1796]	datSEOEretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEOEretOUTSAt136))	SEOEESHIt136<-ES(datSEOEretOUTSAt136$rev,SEOEretOUTSAt136, p=0.975, method="historical")
SEOE	137	45	1841	2019-01-15	2019-01-15	SEOEretOUTSAt137<-ln(SEOEaprx[45:1841]/lead(SEOEaprx[45:1841], 1))[1:1796]	datSEOEretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEOEretOUTSAt137))	SEOEESHIt137<-ES(datSEOEretOUTSAt137$rev,SEOEretOUTSAt137, p=0.975, method="historical")
SEOE	138	44	1840	2019-01-16	2019-01-16	SEOEretOUTSAt138<-ln(SEOEaprx[44:1840]/lead(SEOEaprx[44:1840], 1))[1:1796]	datSEOEretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEOEretOUTSAt138))	SEOEESHIt138<-ES(datSEOEretOUTSAt138$rev,SEOEretOUTSAt138, p=0.975, method="historical")
SEOE	139	43	1839	2019-01-17	2019-01-17	SEOEretOUTSAt139<-ln(SEOEaprx[43:1839]/lead(SEOEaprx[43:1839], 1))[1:1796]	datSEOEretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEOEretOUTSAt139))	SEOEESHIt139<-ES(datSEOEretOUTSAt139$rev,SEOEretOUTSAt139, p=0.975, method="historical")
SEOE	140	42	1838	2019-01-18	2019-01-18	SEOEretOUTSAt140<-ln(SEOEaprx[42:1838]/lead(SEOEaprx[42:1838], 1))[1:1796]	datSEOEretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEOEretOUTSAt140))	SEOEESHIt140<-ES(datSEOEretOUTSAt140$rev,SEOEretOUTSAt140, p=0.975, method="historical")
SEOE	141	41	1837	2019-01-19	2019-01-19	SEOEretOUTSAt141<-ln(SEOEaprx[41:1837]/lead(SEOEaprx[41:1837], 1))[1:1796]	datSEOEretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEOEretOUTSAt141))	SEOEESHIt141<-ES(datSEOEretOUTSAt141$rev,SEOEretOUTSAt141, p=0.975, method="historical")
SEOE	142	40	1836	2019-01-20	2019-01-20	SEOEretOUTSAt142<-ln(SEOEaprx[40:1836]/lead(SEOEaprx[40:1836], 1))[1:1796]	datSEOEretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEOEretOUTSAt142))	SEOEESHIt142<-ES(datSEOEretOUTSAt142$rev,SEOEretOUTSAt142, p=0.975, method="historical")
SEOE	143	39	1835	2019-01-21	2019-01-21	SEOEretOUTSAt143<-ln(SEOEaprx[39:1835]/lead(SEOEaprx[39:1835], 1))[1:1796]	datSEOEretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEOEretOUTSAt143))	SEOEESHIt143<-ES(datSEOEretOUTSAt143$rev,SEOEretOUTSAt143, p=0.975, method="historical")
SEOE	144	38	1834	2019-01-22	2019-01-22	SEOEretOUTSAt144<-ln(SEOEaprx[38:1834]/lead(SEOEaprx[38:1834], 1))[1:1796]	datSEOEretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEOEretOUTSAt144))	SEOEESHIt144<-ES(datSEOEretOUTSAt144$rev,SEOEretOUTSAt144, p=0.975, method="historical")
SEOE	145	37	1833	2019-01-23	2019-01-23	SEOEretOUTSAt145<-ln(SEOEaprx[37:1833]/lead(SEOEaprx[37:1833], 1))[1:1796]	datSEOEretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEOEretOUTSAt145))	SEOEESHIt145<-ES(datSEOEretOUTSAt145$rev,SEOEretOUTSAt145, p=0.975, method="historical")
SEOE	146	36	1832	2019-01-24	2019-01-24	SEOEretOUTSAt146<-ln(SEOEaprx[36:1832]/lead(SEOEaprx[36:1832], 1))[1:1796]	datSEOEretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEOEretOUTSAt146))	SEOEESHIt146<-ES(datSEOEretOUTSAt146$rev,SEOEretOUTSAt146, p=0.975, method="historical")
SEOE	147	35	1831	2019-01-25	2019-01-25	SEOEretOUTSAt147<-ln(SEOEaprx[35:1831]/lead(SEOEaprx[35:1831], 1))[1:1796]	datSEOEretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEOEretOUTSAt147))	SEOEESHIt147<-ES(datSEOEretOUTSAt147$rev,SEOEretOUTSAt147, p=0.975, method="historical")
SEOE	148	34	1830	2019-01-26	2019-01-26	SEOEretOUTSAt148<-ln(SEOEaprx[34:1830]/lead(SEOEaprx[34:1830], 1))[1:1796]	datSEOEretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEOEretOUTSAt148))	SEOEESHIt148<-ES(datSEOEretOUTSAt148$rev,SEOEretOUTSAt148, p=0.975, method="historical")
SEOE	149	33	1829	2019-01-27	2019-01-27	SEOEretOUTSAt149<-ln(SEOEaprx[33:1829]/lead(SEOEaprx[33:1829], 1))[1:1796]	datSEOEretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEOEretOUTSAt149))	SEOEESHIt149<-ES(datSEOEretOUTSAt149$rev,SEOEretOUTSAt149, p=0.975, method="historical")
SEOE	150	32	1828	2019-01-28	2019-01-28	SEOEretOUTSAt150<-ln(SEOEaprx[32:1828]/lead(SEOEaprx[32:1828], 1))[1:1796]	datSEOEretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEOEretOUTSAt150))	SEOEESHIt150<-ES(datSEOEretOUTSAt150$rev,SEOEretOUTSAt150, p=0.975, method="historical")
SEOE	151	31	1827	2019-01-29	2019-01-29	SEOEretOUTSAt151<-ln(SEOEaprx[31:1827]/lead(SEOEaprx[31:1827], 1))[1:1796]	datSEOEretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEOEretOUTSAt151))	SEOEESHIt151<-ES(datSEOEretOUTSAt151$rev,SEOEretOUTSAt151, p=0.975, method="historical")
SEOE	152	30	1826	2019-01-30	2019-01-30	SEOEretOUTSAt152<-ln(SEOEaprx[30:1826]/lead(SEOEaprx[30:1826], 1))[1:1796]	datSEOEretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEOEretOUTSAt152))	SEOEESHIt152<-ES(datSEOEretOUTSAt152$rev,SEOEretOUTSAt152, p=0.975, method="historical")
SEOE	153	29	1825	2019-01-31	2019-01-31	SEOEretOUTSAt153<-ln(SEOEaprx[29:1825]/lead(SEOEaprx[29:1825], 1))[1:1796]	datSEOEretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEOEretOUTSAt153))	SEOEESHIt153<-ES(datSEOEretOUTSAt153$rev,SEOEretOUTSAt153, p=0.975, method="historical")
SEOE	154	28	1824	2019-02-01	2019-02-01	SEOEretOUTSAt154<-ln(SEOEaprx[28:1824]/lead(SEOEaprx[28:1824], 1))[1:1796]	datSEOEretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEOEretOUTSAt154))	SEOEESHIt154<-ES(datSEOEretOUTSAt154$rev,SEOEretOUTSAt154, p=0.975, method="historical")
SEOE	155	27	1823	2019-02-02	2019-02-02	SEOEretOUTSAt155<-ln(SEOEaprx[27:1823]/lead(SEOEaprx[27:1823], 1))[1:1796]	datSEOEretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEOEretOUTSAt155))	SEOEESHIt155<-ES(datSEOEretOUTSAt155$rev,SEOEretOUTSAt155, p=0.975, method="historical")
SEOE	156	26	1822	2019-02-03	2019-02-03	SEOEretOUTSAt156<-ln(SEOEaprx[26:1822]/lead(SEOEaprx[26:1822], 1))[1:1796]	datSEOEretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEOEretOUTSAt156))	SEOEESHIt156<-ES(datSEOEretOUTSAt156$rev,SEOEretOUTSAt156, p=0.975, method="historical")
SEOE	157	25	1821	2019-02-04	2019-02-04	SEOEretOUTSAt157<-ln(SEOEaprx[25:1821]/lead(SEOEaprx[25:1821], 1))[1:1796]	datSEOEretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEOEretOUTSAt157))	SEOEESHIt157<-ES(datSEOEretOUTSAt157$rev,SEOEretOUTSAt157, p=0.975, method="historical")
SEOE	158	24	1820	2019-02-05	2019-02-05	SEOEretOUTSAt158<-ln(SEOEaprx[24:1820]/lead(SEOEaprx[24:1820], 1))[1:1796]	datSEOEretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEOEretOUTSAt158))	SEOEESHIt158<-ES(datSEOEretOUTSAt158$rev,SEOEretOUTSAt158, p=0.975, method="historical")
SEOE	159	23	1819	2019-02-06	2019-02-06	SEOEretOUTSAt159<-ln(SEOEaprx[23:1819]/lead(SEOEaprx[23:1819], 1))[1:1796]	datSEOEretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEOEretOUTSAt159))	SEOEESHIt159<-ES(datSEOEretOUTSAt159$rev,SEOEretOUTSAt159, p=0.975, method="historical")
SEOE	160	22	1818	2019-02-07	2019-02-07	SEOEretOUTSAt160<-ln(SEOEaprx[22:1818]/lead(SEOEaprx[22:1818], 1))[1:1796]	datSEOEretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEOEretOUTSAt160))	SEOEESHIt160<-ES(datSEOEretOUTSAt160$rev,SEOEretOUTSAt160, p=0.975, method="historical")
SEOE	161	21	1817	2019-02-08	2019-02-08	SEOEretOUTSAt161<-ln(SEOEaprx[21:1817]/lead(SEOEaprx[21:1817], 1))[1:1796]	datSEOEretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEOEretOUTSAt161))	SEOEESHIt161<-ES(datSEOEretOUTSAt161$rev,SEOEretOUTSAt161, p=0.975, method="historical")
SEOE	162	20	1816	2019-02-09	2019-02-09	SEOEretOUTSAt162<-ln(SEOEaprx[20:1816]/lead(SEOEaprx[20:1816], 1))[1:1796]	datSEOEretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEOEretOUTSAt162))	SEOEESHIt162<-ES(datSEOEretOUTSAt162$rev,SEOEretOUTSAt162, p=0.975, method="historical")
SEOE	163	19	1815	2019-02-10	2019-02-10	SEOEretOUTSAt163<-ln(SEOEaprx[19:1815]/lead(SEOEaprx[19:1815], 1))[1:1796]	datSEOEretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEOEretOUTSAt163))	SEOEESHIt163<-ES(datSEOEretOUTSAt163$rev,SEOEretOUTSAt163, p=0.975, method="historical")
SEOE	164	18	1814	2019-02-11	2019-02-11	SEOEretOUTSAt164<-ln(SEOEaprx[18:1814]/lead(SEOEaprx[18:1814], 1))[1:1796]	datSEOEretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEOEretOUTSAt164))	SEOEESHIt164<-ES(datSEOEretOUTSAt164$rev,SEOEretOUTSAt164, p=0.975, method="historical")
SEOE	165	17	1813	2019-02-12	2019-02-12	SEOEretOUTSAt165<-ln(SEOEaprx[17:1813]/lead(SEOEaprx[17:1813], 1))[1:1796]	datSEOEretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEOEretOUTSAt165))	SEOEESHIt165<-ES(datSEOEretOUTSAt165$rev,SEOEretOUTSAt165, p=0.975, method="historical")
SEOE	166	16	1812	2019-02-13	2019-02-13	SEOEretOUTSAt166<-ln(SEOEaprx[16:1812]/lead(SEOEaprx[16:1812], 1))[1:1796]	datSEOEretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEOEretOUTSAt166))	SEOEESHIt166<-ES(datSEOEretOUTSAt166$rev,SEOEretOUTSAt166, p=0.975, method="historical")
SEOE	167	15	1811	2019-02-14	2019-02-14	SEOEretOUTSAt167<-ln(SEOEaprx[15:1811]/lead(SEOEaprx[15:1811], 1))[1:1796]	datSEOEretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEOEretOUTSAt167))	SEOEESHIt167<-ES(datSEOEretOUTSAt167$rev,SEOEretOUTSAt167, p=0.975, method="historical")
SEOE	168	14	1810	2019-02-15	2019-02-15	SEOEretOUTSAt168<-ln(SEOEaprx[14:1810]/lead(SEOEaprx[14:1810], 1))[1:1796]	datSEOEretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEOEretOUTSAt168))	SEOEESHIt168<-ES(datSEOEretOUTSAt168$rev,SEOEretOUTSAt168, p=0.975, method="historical")
SEOE	169	13	1809	2019-02-16	2019-02-16	SEOEretOUTSAt169<-ln(SEOEaprx[13:1809]/lead(SEOEaprx[13:1809], 1))[1:1796]	datSEOEretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEOEretOUTSAt169))	SEOEESHIt169<-ES(datSEOEretOUTSAt169$rev,SEOEretOUTSAt169, p=0.975, method="historical")
SEOE	170	12	1808	2019-02-17	2019-02-17	SEOEretOUTSAt170<-ln(SEOEaprx[12:1808]/lead(SEOEaprx[12:1808], 1))[1:1796]	datSEOEretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SEOEretOUTSAt170))	SEOEESHIt170<-ES(datSEOEretOUTSAt170$rev,SEOEretOUTSAt170, p=0.975, method="historical")
SEOE	171	11	1807	2019-02-18	2019-02-18	SEOEretOUTSAt171<-ln(SEOEaprx[11:1807]/lead(SEOEaprx[11:1807], 1))[1:1796]	datSEOEretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SEOEretOUTSAt171))	SEOEESHIt171<-ES(datSEOEretOUTSAt171$rev,SEOEretOUTSAt171, p=0.975, method="historical")
SEOE	172	10	1806	2019-02-19	2019-02-19	SEOEretOUTSAt172<-ln(SEOEaprx[10:1806]/lead(SEOEaprx[10:1806], 1))[1:1796]	datSEOEretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEOEretOUTSAt172))	SEOEESHIt172<-ES(datSEOEretOUTSAt172$rev,SEOEretOUTSAt172, p=0.975, method="historical")
SEOE	173	9	1805	2019-02-20	2019-02-20	SEOEretOUTSAt173<-ln(SEOEaprx[9:1805]/lead(SEOEaprx[9:1805], 1))[1:1796]	datSEOEretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEOEretOUTSAt173))	SEOEESHIt173<-ES(datSEOEretOUTSAt173$rev,SEOEretOUTSAt173, p=0.975, method="historical")
SEOE	174	8	1804	2019-02-21	2019-02-21	SEOEretOUTSAt174<-ln(SEOEaprx[8:1804]/lead(SEOEaprx[8:1804], 1))[1:1796]	datSEOEretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEOEretOUTSAt174))	SEOEESHIt174<-ES(datSEOEretOUTSAt174$rev,SEOEretOUTSAt174, p=0.975, method="historical")
SEOE	175	7	1803	2019-02-22	2019-02-22	SEOEretOUTSAt175<-ln(SEOEaprx[7:1803]/lead(SEOEaprx[7:1803], 1))[1:1796]	datSEOEretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEOEretOUTSAt175))	SEOEESHIt175<-ES(datSEOEretOUTSAt175$rev,SEOEretOUTSAt175, p=0.975, method="historical")
SEOE	176	6	1802	2019-02-23	2019-02-23	SEOEretOUTSAt176<-ln(SEOEaprx[6:1802]/lead(SEOEaprx[6:1802], 1))[1:1796]	datSEOEretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEOEretOUTSAt176))	SEOEESHIt176<-ES(datSEOEretOUTSAt176$rev,SEOEretOUTSAt176, p=0.975, method="historical")
SEOE	177	5	1801	2019-02-24	2019-02-24	SEOEretOUTSAt177<-ln(SEOEaprx[5:1801]/lead(SEOEaprx[5:1801], 1))[1:1796]	datSEOEretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEOEretOUTSAt177))	SEOEESHIt177<-ES(datSEOEretOUTSAt177$rev,SEOEretOUTSAt177, p=0.975, method="historical")
SEOE	178	4	1800	2019-02-25	2019-02-25	SEOEretOUTSAt178<-ln(SEOEaprx[4:1800]/lead(SEOEaprx[4:1800], 1))[1:1796]	datSEOEretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEOEretOUTSAt178))	SEOEESHIt178<-ES(datSEOEretOUTSAt178$rev,SEOEretOUTSAt178, p=0.975, method="historical")
SEOE	179	3	1799	2019-02-26	2019-02-26	SEOEretOUTSAt179<-ln(SEOEaprx[3:1799]/lead(SEOEaprx[3:1799], 1))[1:1796]	datSEOEretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEOEretOUTSAt179))	SEOEESHIt179<-ES(datSEOEretOUTSAt179$rev,SEOEretOUTSAt179, p=0.975, method="historical")
SEOE	180	2	1798	2019-02-27	2019-02-27	SEOEretOUTSAt180<-ln(SEOEaprx[2:1798]/lead(SEOEaprx[2:1798], 1))[1:1796]	datSEOEretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEOEretOUTSAt180))	SEOEESHIt180<-ES(datSEOEretOUTSAt180$rev,SEOEretOUTSAt180, p=0.975, method="historical")
SEOE	181	1	1797	2019-02-28	2019-02-28	SEOEretOUTSAt181<-ln(SEOEaprx[1:1797]/lead(SEOEaprx[1:1797], 1))[1:1796]	datSEOEretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEOEretOUTSAt181))	SEOEESHIt181<-ES(datSEOEretOUTSAt181$rev,SEOEretOUTSAt181, p=0.975, method="historical")
SEOE								
SEOE	1	181	1977	2018-09-01	2018-09-01	SEOEretOUTSAt1<-ln(SEOEaprx[181:1977]/lead(SEOEaprx[181:1977], 1))[1:1796]	datSEOEretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEOEretOUTSAt1))	SEOEESHIt1<-ES(datSEOEretOUTSAt1$rev,SEOEretOUTSAt1, p=0.975, method="historical")
SEOE	2	180	1976	2018-09-02	2018-09-02	SEOEretOUTSAt2<-ln(SEOEaprx[180:1976]/lead(SEOEaprx[180:1976], 1))[1:1796]	datSEOEretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEOEretOUTSAt2))	SEOEESHIt2<-ES(datSEOEretOUTSAt2$rev,SEOEretOUTSAt2, p=0.975, method="historical")
SEOE	3	179	1975	2018-09-03	2018-09-03	SEOEretOUTSAt3<-ln(SEOEaprx[179:1975]/lead(SEOEaprx[179:1975], 1))[1:1796]	datSEOEretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEOEretOUTSAt3))	SEOEESHIt3<-ES(datSEOEretOUTSAt3$rev,SEOEretOUTSAt3, p=0.975, method="historical")
SEOE	4	178	1974	2018-09-04	2018-09-04	SEOEretOUTSAt4<-ln(SEOEaprx[178:1974]/lead(SEOEaprx[178:1974], 1))[1:1796]	datSEOEretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEOEretOUTSAt4))	SEOEESHIt4<-ES(datSEOEretOUTSAt4$rev,SEOEretOUTSAt4, p=0.975, method="historical")
SEOE	5	177	1973	2018-09-05	2018-09-05	SEOEretOUTSAt5<-ln(SEOEaprx[177:1973]/lead(SEOEaprx[177:1973], 1))[1:1796]	datSEOEretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEOEretOUTSAt5))	SEOEESHIt5<-ES(datSEOEretOUTSAt5$rev,SEOEretOUTSAt5, p=0.975, method="historical")
SEOE	6	176	1972	2018-09-06	2018-09-06	SEOEretOUTSAt6<-ln(SEOEaprx[176:1972]/lead(SEOEaprx[176:1972], 1))[1:1796]	datSEOEretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEOEretOUTSAt6))	SEOEESHIt6<-ES(datSEOEretOUTSAt6$rev,SEOEretOUTSAt6, p=0.975, method="historical")
SEOE	7	175	1971	2018-09-07	2018-09-07	SEOEretOUTSAt7<-ln(SEOEaprx[175:1971]/lead(SEOEaprx[175:1971], 1))[1:1796]	datSEOEretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEOEretOUTSAt7))	SEOEESHIt7<-ES(datSEOEretOUTSAt7$rev,SEOEretOUTSAt7, p=0.975, method="historical")
SEOE	8	174	1970	2018-09-08	2018-09-08	SEOEretOUTSAt8<-ln(SEOEaprx[174:1970]/lead(SEOEaprx[174:1970], 1))[1:1796]	datSEOEretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEOEretOUTSAt8))	SEOEESHIt8<-ES(datSEOEretOUTSAt8$rev,SEOEretOUTSAt8, p=0.975, method="historical")
SEOE	9	173	1969	2018-09-09	2018-09-09	SEOEretOUTSAt9<-ln(SEOEaprx[173:1969]/lead(SEOEaprx[173:1969], 1))[1:1796]	datSEOEretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEOEretOUTSAt9))	SEOEESHIt9<-ES(datSEOEretOUTSAt9$rev,SEOEretOUTSAt9, p=0.975, method="historical")
SEOE	10	172	1968	2018-09-10	2018-09-10	SEOEretOUTSAt10<-ln(SEOEaprx[172:1968]/lead(SEOEaprx[172:1968], 1))[1:1796]	datSEOEretOUTSAt10<-

SEOE	67	115	1911	2018-11-06	2018-11-06	SEOEretOUTSAt67<-ln(SEOEapprx[115:1911]/lead(SEOEapprx[115:1911], 1))[1:1796]	datSEOEretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEOEretOUTSAt67))	SEOEESHIt67<-ES(datSEOEretOUTSAt67$rev.SEOEretOUTSAt67, p=0.975, method="historical")
SEOE	68	114	1910	2018-11-07	2018-11-07	SEOEretOUTSAt68<-ln(SEOEapprx[114:1910]/lead(SEOEapprx[114:1910], 1))[1:1796]	datSEOEretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEOEretOUTSAt68))	SEOEESHIt68<-ES(datSEOEretOUTSAt68$rev.SEOEretOUTSAt68, p=0.975, method="historical")
SEOE	69	113	1909	2018-11-08	2018-11-08	SEOEretOUTSAt69<-ln(SEOEapprx[113:1909]/lead(SEOEapprx[113:1909], 1))[1:1796]	datSEOEretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEOEretOUTSAt69))	SEOEESHIt69<-ES(datSEOEretOUTSAt69$rev.SEOEretOUTSAt69, p=0.975, method="historical")
SEOE	70	112	1908	2018-11-09	2018-11-09	SEOEretOUTSAt70<-ln(SEOEapprx[112:1908]/lead(SEOEapprx[112:1908], 1))[1:1796]	datSEOEretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEOEretOUTSAt70))	SEOEESHIt70<-ES(datSEOEretOUTSAt70$rev.SEOEretOUTSAt70, p=0.975, method="historical")
SEOE	71	111	1907	2018-11-10	2018-11-10	SEOEretOUTSAt71<-ln(SEOEapprx[111:1907]/lead(SEOEapprx[111:1907], 1))[1:1796]	datSEOEretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEOEretOUTSAt71))	SEOEESHIt71<-ES(datSEOEretOUTSAt71$rev.SEOEretOUTSAt71, p=0.975, method="historical")
SEOE	72	110	1906	2018-11-11	2018-11-11	SEOEretOUTSAt72<-ln(SEOEapprx[110:1906]/lead(SEOEapprx[110:1906], 1))[1:1796]	datSEOEretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEOEretOUTSAt72))	SEOEESHIt72<-ES(datSEOEretOUTSAt72$rev.SEOEretOUTSAt72, p=0.975, method="historical")
SEOE	73	109	1905	2018-11-12	2018-11-12	SEOEretOUTSAt73<-ln(SEOEapprx[109:1905]/lead(SEOEapprx[109:1905], 1))[1:1796]	datSEOEretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEOEretOUTSAt73))	SEOEESHIt73<-ES(datSEOEretOUTSAt73$rev.SEOEretOUTSAt73, p=0.975, method="historical")
SEOE	74	108	1904	2018-11-13	2018-11-13	SEOEretOUTSAt74<-ln(SEOEapprx[108:1904]/lead(SEOEapprx[108:1904], 1))[1:1796]	datSEOEretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SEOEretOUTSAt74))	SEOEESHIt74<-ES(datSEOEretOUTSAt74$rev.SEOEretOUTSAt74, p=0.975, method="historical")
SEOE	75	107	1903	2018-11-14	2018-11-14	SEOEretOUTSAt75<-ln(SEOEapprx[107:1903]/lead(SEOEapprx[107:1903], 1))[1:1796]	datSEOEretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SEOEretOUTSAt75))	SEOEESHIt75<-ES(datSEOEretOUTSAt75$rev.SEOEretOUTSAt75, p=0.975, method="historical")
SEOE	76	106	1902	2018-11-15	2018-11-15	SEOEretOUTSAt76<-ln(SEOEapprx[106:1902]/lead(SEOEapprx[106:1902], 1))[1:1796]	datSEOEretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEOEretOUTSAt76))	SEOEESHIt76<-ES(datSEOEretOUTSAt76$rev.SEOEretOUTSAt76, p=0.975, method="historical")
SEOE	77	105	1901	2018-11-16	2018-11-16	SEOEretOUTSAt77<-ln(SEOEapprx[105:1901]/lead(SEOEapprx[105:1901], 1))[1:1796]	datSEOEretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEOEretOUTSAt77))	SEOEESHIt77<-ES(datSEOEretOUTSAt77$rev.SEOEretOUTSAt77, p=0.975, method="historical")
SEOE	78	104	1900	2018-11-17	2018-11-17	SEOEretOUTSAt78<-ln(SEOEapprx[104:1900]/lead(SEOEapprx[104:1900], 1))[1:1796]	datSEOEretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEOEretOUTSAt78))	SEOEESHIt78<-ES(datSEOEretOUTSAt78$rev.SEOEretOUTSAt78, p=0.975, method="historical")
SEOE	79	103	1899	2018-11-18	2018-11-18	SEOEretOUTSAt79<-ln(SEOEapprx[103:1899]/lead(SEOEapprx[103:1899], 1))[1:1796]	datSEOEretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEOEretOUTSAt79))	SEOEESHIt79<-ES(datSEOEretOUTSAt79$rev.SEOEretOUTSAt79, p=0.975, method="historical")
SEOE	80	102	1898	2018-11-19	2018-11-19	SEOEretOUTSAt80<-ln(SEOEapprx[102:1898]/lead(SEOEapprx[102:1898], 1))[1:1796]	datSEOEretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEOEretOUTSAt80))	SEOEESHIt80<-ES(datSEOEretOUTSAt80$rev.SEOEretOUTSAt80, p=0.975, method="historical")
SEOE	81	101	1897	2018-11-20	2018-11-20	SEOEretOUTSAt81<-ln(SEOEapprx[101:1897]/lead(SEOEapprx[101:1897], 1))[1:1796]	datSEOEretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEOEretOUTSAt81))	SEOEESHIt81<-ES(datSEOEretOUTSAt81$rev.SEOEretOUTSAt81, p=0.975, method="historical")
SEOE	82	100	1896	2018-11-21	2018-11-21	SEOEretOUTSAt82<-ln(SEOEapprx[100:1896]/lead(SEOEapprx[100:1896], 1))[1:1796]	datSEOEretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEOEretOUTSAt82))	SEOEESHIt82<-ES(datSEOEretOUTSAt82$rev.SEOEretOUTSAt82, p=0.975, method="historical")
SEOE	83	99	1895	2018-11-22	2018-11-22	SEOEretOUTSAt83<-ln(SEOEapprx[99:1895]/lead(SEOEapprx[99:1895], 1))[1:1796]	datSEOEretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEOEretOUTSAt83))	SEOEESHIt83<-ES(datSEOEretOUTSAt83$rev.SEOEretOUTSAt83, p=0.975, method="historical")
SEOE	84	98	1894	2018-11-23	2018-11-23	SEOEretOUTSAt84<-ln(SEOEapprx[98:1894]/lead(SEOEapprx[98:1894], 1))[1:1796]	datSEOEretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEOEretOUTSAt84))	SEOEESHIt84<-ES(datSEOEretOUTSAt84$rev.SEOEretOUTSAt84, p=0.975, method="historical")
SEOE	85	97	1893	2018-11-24	2018-11-24	SEOEretOUTSAt85<-ln(SEOEapprx[97:1893]/lead(SEOEapprx[97:1893], 1))[1:1796]	datSEOEretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEOEretOUTSAt85))	SEOEESHIt85<-ES(datSEOEretOUTSAt85$rev.SEOEretOUTSAt85, p=0.975, method="historical")
SEOE	86	96	1892	2018-11-25	2018-11-25	SEOEretOUTSAt86<-ln(SEOEapprx[96:1892]/lead(SEOEapprx[96:1892], 1))[1:1796]	datSEOEretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEOEretOUTSAt86))	SEOEESHIt86<-ES(datSEOEretOUTSAt86$rev.SEOEretOUTSAt86, p=0.975, method="historical")
SEOE	87	95	1891	2018-11-26	2018-11-26	SEOEretOUTSAt87<-ln(SEOEapprx[95:1891]/lead(SEOEapprx[95:1891], 1))[1:1796]	datSEOEretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEOEretOUTSAt87))	SEOEESHIt87<-ES(datSEOEretOUTSAt87$rev.SEOEretOUTSAt87, p=0.975, method="historical")
SEOE	88	94	1890	2018-11-27	2018-11-27	SEOEretOUTSAt88<-ln(SEOEapprx[94:1890]/lead(SEOEapprx[94:1890], 1))[1:1796]	datSEOEretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEOEretOUTSAt88))	SEOEESHIt88<-ES(datSEOEretOUTSAt88$rev.SEOEretOUTSAt88, p=0.975, method="historical")
SEOE	89	93	1889	2018-11-28	2018-11-28	SEOEretOUTSAt89<-ln(SEOEapprx[93:1889]/lead(SEOEapprx[93:1889], 1))[1:1796]	datSEOEretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEOEretOUTSAt89))	SEOEESHIt89<-ES(datSEOEretOUTSAt89$rev.SEOEretOUTSAt89, p=0.975, method="historical")
SEOE	90	92	1888	2018-11-29	2018-11-29	SEOEretOUTSAt90<-ln(SEOEapprx[92:1888]/lead(SEOEapprx[92:1888], 1))[1:1796]	datSEOEretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEOEretOUTSAt90))	SEOEESHIt90<-ES(datSEOEretOUTSAt90$rev.SEOEretOUTSAt90, p=0.975, method="historical")
SEOE	91	91	1887	2018-11-30	2018-11-30	SEOEretOUTSAt91<-ln(SEOEapprx[91:1887]/lead(SEOEapprx[91:1887], 1))[1:1796]	datSEOEretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEOEretOUTSAt91))	SEOEESHIt91<-ES(datSEOEretOUTSAt91$rev.SEOEretOUTSAt91, p=0.975, method="historical")
SEOE	92	90	1886	2018-12-01	2018-12-01	SEOEretOUTSAt92<-ln(SEOEapprx[90:1886]/lead(SEOEapprx[90:1886], 1))[1:1796]	datSEOEretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEOEretOUTSAt92))	SEOEESHIt92<-ES(datSEOEretOUTSAt92$rev.SEOEretOUTSAt92, p=0.975, method="historical")
SEOE	93	89	1885	2018-12-02	2018-12-02	SEOEretOUTSAt93<-ln(SEOEapprx[89:1885]/lead(SEOEapprx[89:1885], 1))[1:1796]	datSEOEretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEOEretOUTSAt93))	SEOEESHIt93<-ES(datSEOEretOUTSAt93$rev.SEOEretOUTSAt93, p=0.975, method="historical")
SEOE	94	88	1884	2018-12-03	2018-12-03	SEOEretOUTSAt94<-ln(SEOEapprx[88:1884]/lead(SEOEapprx[88:1884], 1))[1:1796]	datSEOEretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEOEretOUTSAt94))	SEOEESHIt94<-ES(datSEOEretOUTSAt94$rev.SEOEretOUTSAt94, p=0.975, method="historical")
SEOE	95	87	1883	2018-12-04	2018-12-04	SEOEretOUTSAt95<-ln(SEOEapprx[87:1883]/lead(SEOEapprx[87:1883], 1))[1:1796]	datSEOEretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEOEretOUTSAt95))	SEOEESHIt95<-ES(datSEOEretOUTSAt95$rev.SEOEretOUTSAt95, p=0.975, method="historical")
SEOE	96	86	1882	2018-12-05	2018-12-05	SEOEretOUTSAt96<-ln(SEOEapprx[86:1882]/lead(SEOEapprx[86:1882], 1))[1:1796]	datSEOEretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEOEretOUTSAt96))	SEOEESHIt96<-ES(datSEOEretOUTSAt96$rev.SEOEretOUTSAt96, p=0.975, method="historical")
SEOE	97	85	1881	2018-12-06	2018-12-06	SEOEretOUTSAt97<-ln(SEOEapprx[85:1881]/lead(SEOEapprx[85:1881], 1))[1:1796]	datSEOEretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEOEretOUTSAt97))	SEOEESHIt97<-ES(datSEOEretOUTSAt97$rev.SEOEretOUTSAt97, p=0.975, method="historical")
SEOE	98	84	1880	2018-12-07	2018-12-07	SEOEretOUTSAt98<-ln(SEOEapprx[84:1880]/lead(SEOEapprx[84:1880], 1))[1:1796]	datSEOEretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEOEretOUTSAt98))	SEOEESHIt98<-ES(datSEOEretOUTSAt98$rev.SEOEretOUTSAt98, p=0.975, method="historical")
SEOE	99	83	1879	2018-12-08	2018-12-08	SEOEretOUTSAt99<-ln(SEOEapprx[83:1879]/lead(SEOEapprx[83:1879], 1))[1:1796]	datSEOEretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEOEretOUTSAt99))	SEOEESHIt99<-ES(datSEOEretOUTSAt99$rev.SEOEretOUTSAt99, p=0.975, method="historical")
SEOE	100	82	1878	2018-12-09	2018-12-09	SEOEretOUTSAt100<-ln(SEOEapprx[82:1878]/lead(SEOEapprx[82:1878], 1))[1:1796]	datSEOEretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEOEretOUTSAt100))	SEOEESHIt100<-ES(datSEOEretOUTSAt100$rev.SEOEretOUTSAt100, p=0.975, method="historical")
SEOE	101	81	1877	2018-12-10	2018-12-10	SEOEretOUTSAt101<-ln(SEOEapprx[81:1877]/lead(SEOEapprx[81:1877], 1))[1:1796]	datSEOEretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEOEretOUTSAt101))	SEOEESHIt101<-ES(datSEOEretOUTSAt101$rev.SEOEretOUTSAt101, p=0.975, method="historical")
SEOE	102	80	1876	2018-12-11	2018-12-11	SEOEretOUTSAt102<-ln(SEOEapprx[80:1876]/lead(SEOEapprx[80:1876], 1))[1:1796]	datSEOEretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEOEretOUTSAt102))	SEOEESHIt102<-ES(datSEOEretOUTSAt102$rev.SEOEretOUTSAt102, p=0.975, method="historical")
SEOE	103	79	1875	2018-12-12	2018-12-12	SEOEretOUTSAt103<-ln(SEOEapprx[79:1875]/lead(SEOEapprx[79:1875], 1))[1:1796]	datSEOEretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEOEretOUTSAt103))	SEOEESHIt103<-ES(datSEOEretOUTSAt103$rev.SEOEretOUTSAt103, p=0.975, method="historical")
SEOE	104	78	1874	2018-12-13	2018-12-13	SEOEretOUTSAt104<-ln(SEOEapprx[78:1874]/lead(SEOEapprx[78:1874], 1))[1:1796]	datSEOEretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEOEretOUTSAt104))	SEOEESHIt104<-ES(datSEOEretOUTSAt104$rev.SEOEretOUTSAt104, p=0.975, method="historical")
SEOE	105	77	1873	2018-12-14	2018-12-14	SEOEretOUTSAt105<-ln(SEOEapprx[77:1873]/lead(SEOEapprx[77:1873], 1))[1:1796]	datSEOEretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEOEretOUTSAt105))	SEOEESHIt105<-ES(datSEOEretOUTSAt105$rev.SEOEretOUTSAt105, p=0.975, method="historical")
SEOE	106	76	1872	2018-12-15	2018-12-15	SEOEretOUTSAt106<-ln(SEOEapprx[76:1872]/lead(SEOEapprx[76:1872], 1))[1:1796]	datSEOEretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEOEretOUTSAt106))	SEOEESHIt106<-ES(datSEOEretOUTSAt106$rev.SEOEretOUTSAt106, p=0.975, method="historical")
SEOE	107	75	1871	2018-12-16	2018-12-16	SEOEretOUTSAt107<-ln(SEOEapprx[75:1871]/lead(SEOEapprx[75:1871], 1))[1:1796]	datSEOEretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEOEretOUTSAt107))	SEOEESHIt107<-ES(datSEOEretOUTSAt107$rev.SEOEretOUTSAt107, p=0.975, method="historical")
SEOE	108	74	1870	2018-12-17	2018-12-17	SEOEretOUTSAt108<-ln(SEOEapprx[74:1870]/lead(SEOEapprx[74:1870], 1))[1:1796]	datSEOEretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEOEretOUTSAt108))	SEOEESHIt108<-ES(datSEOEretOUTSAt108$rev.SEOEretOUTSAt108, p=0.975, method="historical")
SEOE	109	73	1869	2018-12-18	2018-12-18	SEOEretOUTSAt109<-ln(SEOEapprx[73:1869]/lead(SEOEapprx[73:1869], 1))[1:1796]	datSEOEretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEOEretOUTSAt109))	SEOEESHIt109<-ES(datSEOEretOUTSAt109$rev.SEOEretOUTSAt109, p=0.975, method="historical")
SEOE	110	72	1868	2018-12-19	2018-12-19	SEOEretOUTSAt110<-ln(SEOEapprx[72:1868]/lead(SEOEapprx[72:1868], 1))[1:1796]	datSEOEretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEOEretOUTSAt110))	SEOEESHIt110<-ES(datSEOEretOUTSAt110$rev.SEOEretOUTSAt110, p=0.975, method="historical")
SEOE	111	71	1867	2018-12-20	2018-12-20	SEOEretOUTSAt111<-ln(SEOEapprx[71:1867]/lead(SEOEapprx[71:1867], 1))[1:1796]	datSEOEretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEOEretOUTSAt111))	SEOEESHIt111<-ES(datSEOEretOUTSAt111$rev.SEOEretOUTSAt111, p=0.975, method="historical")
SEOE	112	70	1866	2018-12-21	2018-12-21	SEOEretOUTSAt112<-ln(SEOEapprx[70:1866]/lead(SEOEapprx[70:1866], 1))[1:1796]	datSEOEretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEOEretOUTSAt112))	SEOEESHIt112<-ES(datSEOEretOUTSAt112$rev.SEOEretOUTSAt112, p=0.975, method="historical")
SEOE	113	69	1865	2018-12-22	2018-12-22	SEOEretOUTSAt113<-ln(SEOEapprx[69:1865]/lead(SEOEapprx[69:1865], 1))[1:1796]	datSEOEretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEOEretOUTSAt113))	SEOEESHIt113<-ES(datSEOEretOUTSAt113$rev.SEOEretOUTSAt113, p=0.975, method="historical")
SEOE	114	68	1864	2018-12-23	2018-12-23	SEOEretOUTSAt114<-ln(SEOEapprx[68:1864]/lead(SEOEapprx[68:1864], 1))[1:1796]	datSEOEretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEOEretOUTSAt114))	SEOEESHIt114<-ES(datSEOEretOUTSAt114$rev.SEOEretOUTSAt114, p=0.975, method="historical")
SEOE	115	67	1863	2018-12-24	2018-12-24	SEOEretOUTSAt115<-ln(SEOEapprx[67:1863]/lead(SEOEapprx[67:1863], 1))[1:1796]	datSEOEretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEOEretOUTSAt115))	SEOEESHIt115<-ES(datSEOEretOUTSAt115$rev.SEOEretOUTSAt115, p=0.975, method="historical")
SEOE	116	66	1862	2018-12-25	2018-12-25	SEOEretOUTSAt116<-ln(SEOEapprx[66:1862]/lead(SEOEapprx[66:1862], 1))[1:1796]	datSEOEretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEOEretOUTSAt116))	SEOEESHIt116<-ES(datSEOEretOUTSAt116$rev.SEOEretOUTSAt116, p=0.975, method="historical")
SEOE	117	65	1861	2018-12-26	2018-12-26	SEOEretOUTSAt117<-ln(SEOEapprx[65:1861]/lead(SEOEapprx[65:1861], 1))[1:1796]	datSEOEretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEOEretOUTSAt117))	SEOEESHIt117<-ES(datSEOEretOUTSAt117$rev.SEOEretOUTSAt117, p=0.975, method="historical")
SEOE	118	64	1860	2018-12-27	2018-12-27	SEOEretOUTSAt118<-ln(SEOEapprx[64:1860]/lead(SEOEapprx[64:1860], 1))[1:1796]	datSEOEretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEOEretOUTSAt118))	SEOEESHIt118<-ES(datSEOEretOUTSAt118$rev.SEOEretOUTSAt118, p=0.975, method="historical")
SEOE	119	63	1859	2018-12-28	2018-12-28	SEOEretOUTSAt119<-ln(SEOEapprx[63:1859]/lead(SEOEapprx[63:1859], 1))[1:1796]	datSEOEretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEOEretOUTSAt119))	SEOEESHIt119<-ES(datSEOEretOUTSAt119$rev.SEOEretOUTSAt119, p=0.975, method="historical")
SEOE	120	62	1858	2018-12-29	2018-12-29	SEOEretOUTSAt120<-ln(SEOEapprx[62:1858]/lead(SEOEapprx[62:1858], 1))[1:1796]	datSEOEretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEOEretOUTSAt120))	SEOEESHIt120<-ES(datSEOEretOUTSAt120$rev.SEOEretOUTSAt120, p=0.975, method="historical")
SEOE	121	61	1857	2018-12-30	2018-12-30	SEOEretOUTSAt121<-ln(SEOEapprx[61:1857]/lead(SEOEapprx[61:1857], 1))[1:1796]	datSEOEretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEOEretOUTSAt121))	SEOEESHIt121<-ES(datSEOEretOUTSAt121$rev.SEOEretOUTSAt121, p=0.975, method="historical")
SEOE	122	60	1856	2018-12-31	2018-12-31	SEOEretOUTSAt122<-ln(SEOEapprx[60:1856]/lead(SEOEapprx[60:1856], 1))[1:1796]	datSEOEretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEOEretOUTSAt122))	SEOEESHIt122<-ES(datSEOEretOUTSAt122$rev.SEOEretOUTSAt122, p=0.975, method="historical")
SEOE	123	59	1855	2019-01-01	2019-01-01	SEOEretOUTSAt123<-ln(SEOEapprx[59:1855]/lead(SEOEapprx[59:1855], 1))[1:1796]	datSEOEretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEOEretOUTSAt123))	SEOEESHIt123<-ES(datSEOEretOUTSAt123$rev.SEOEretOUTSAt123, p=0.975, method="historical")
SEOE	124	58	1854	2019-01-02	2019-01-02	SEOEretOUTSAt124<-ln(SEOEapprx[58:1854]/lead(SEOEapprx[58:1854], 1))[1:1796]	datSEOEretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEOEretOUTSAt124))	SEOEESHIt124<-ES(datSEOEretOUTSAt124$rev.SEOEretOUTSAt124, p=0.975, method="historical")
SEOE	125	57	1853	2019-01-03	2019-01-03	SEOEretOUTSAt125<-ln(SEOEapprx[57:1853]/lead(SEOEapprx[57:1853], 1))[1:1796]	datSEOEretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEOEretOUTSAt125))	SEOEESHIt125<-ES(datSEOEretOUTSAt125$rev.SEOEretOUTSAt125, p=0.975, method="historical")
SEOE	126	56	1852	2019-01-04	2019-01-04	SEOEretOUTSAt126<-ln(SEOEapprx[56:1852]/lead(SEOEapprx[56:1852], 1))[1:1796]	datSEOEretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEOEretOUTSAt126))	SEOEESHIt126<-ES(datSEOEretOUTSAt126$rev.SEOEretOUTSAt126, p=0.975, method="historical")
SEOE	127	55	1851	2019-01-05	2019-01-05	SEOEretOUTSAt127<-ln(SEOEapprx[55:1851]/lead(SEOEapprx[55:1851], 1))[1:1796]	datSEOEretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEOEretOUTSAt127))	SEOEESHIt127<-ES(datSEOEretOUTSAt127$rev.SEOEretOUTSAt127, p=0.975, method="historical")
SEOE	128	54	1850	2019-01-06	2019-01-06	SEOEretOUTSAt128<-ln(SEOEapprx[54:1850]/lead(SEOEapprx[54:1850], 1))[1:1796]	datSEOEretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEOEretOUTSAt128))	SEOEESHIt128<-ES(datSEOEretOUTSAt128$rev.SEOEretOUTSAt128, p=0.975, method="historical")
SEOE	129	53	1849	2019-01-07	2019-01-07	SEOEretOUTSAt129<-ln(SEOEapprx[53:1849]/lead(SEOEapprx[53:1849], 1))[1:1796]	datSEOEretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEOEretOUTSAt129))	SEOEESHIt129<-ES(datSEOEretOUTSAt129$rev.SEOEretOUTSAt129, p=0.975, method="historical")
SEOE	130	52	1848	2019-01-08	2019-01-08	SEOEretOUTSAt130<-ln(SEOEapprx[52:1848]/lead(SEOEapprx[52:1848], 1))[1:1796]	datSEOEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEOEretOUTSAt130))	SEOEESHIt130<-ES(datSEOEretOUTSAt130$rev.SEOEretOUTSAt130, p=0.975, method="historical")
SEOE	131	51	1847	2019-01-09	2019-01-09	SEOEretOUTSAt131<-ln(SEOEapprx[51:1847]/lead(SEOEapprx[51:1847], 1))[1:1796]	datSEOEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEOEretOUTSAt131))	SEOEESHIt131<-ES(datSEOEretOUTSAt131$rev.SEOEretOUTSAt131, p=0.975, method="historical")
SEOE	132	50	1846	2019-01-10	2019-01-10	SEOEretOUTSAt132<-ln(SEOEapprx[50:1846]/lead(SEOEapprx[50:1846], 1))[1:1796]	datSEOEretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEOEretOUTSAt132))	SEOEESHIt132<-ES(datSEOEretOUTSAt132$rev.SEOEretOUTSAt132, p=0.975, method="historical")
SEOE	133	49	1845	2019-01-11	2019-01-11	SEOEretOUTSAt133<-ln(SEOEapprx[49:1845]/lead(SEOEapprx[49:1845], 1))[1:1796]	datSEOEretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEOEretOUTSAt133))	SEOEESHIt133<-ES(datSEOEretOUTSAt133$rev.SEOEretOUTSAt133, p=0.975, method="historical")
SEOE	134	48	1844	2019-01-12	2019-01-12	SEOEretOUTSAt134<-ln(SEOEapprx[48:1844]/lead(SEOEapprx[48:1844], 1))[1:1796]	datSEOEretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEOEretOUTSAt134))	SEOEESHIt134<-ES(datSEOEretOUTSAt134$rev.SEOEretOUTSAt134, p=0.975, method="historical")
SEOE	135	47	1843	2019-01-13	2019-01-13	SEOEretOUTSAt135<-ln(SEOEapprx[47:1843]/lead(SEOEapprx[47:1843], 1))[1:1796]	datSEOEretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEOEretOUTSAt135))	SEOEESHIt135<-ES(datSEOEretOUTSAt135$rev.SEOEretOUTSAt135, p=0.975, method="historical")
SEOE	136	46	1842	2019-01-14	2019-01-14	SEOEretOUTSAt136<-ln(SEOEapprx[46:1842]/lead(SEOEapprx[46:1842], 1))[1:1796]	datSEOEretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEOEretOUTSAt136))	SEOEESHIt136<-ES(datSEOEretOUTSAt136$rev.SEOEretOUTSAt136, p=0.975, method="historical")
SEOE	137	45	1841	2019-01-15	2019-01-15	SEOEretOUTSAt137<-ln(SEOEapprx[45:1841]/lead(SEOEapprx[45:1841], 1))[1:1796]	datSEOEretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as

SEAI	13	169	1965	2018-09-13	2018-09-13	SEAIretOUTSAt13<-ln(SEAIaprx[169:1965]/lead(SEAIaprx[169:1965], 1))[1:1796]	datSEAIretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEAIretOUTSAt13))	SEAIESHIt13<-ES(datSEAIretOUTSAt13$rev.SEAIretOUTSAt13, p=0.975, method="historical")
SEAI	14	168	1964	2018-09-14	2018-09-14	SEAIretOUTSAt14<-ln(SEAIaprx[168:1964]/lead(SEAIaprx[168:1964], 1))[1:1796]	datSEAIretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEAIretOUTSAt14))	SEAIESHIt14<-ES(datSEAIretOUTSAt14$rev.SEAIretOUTSAt14, p=0.975, method="historical")
SEAI	15	167	1963	2018-09-15	2018-09-15	SEAIretOUTSAt15<-ln(SEAIaprx[167:1963]/lead(SEAIaprx[167:1963], 1))[1:1796]	datSEAIretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEAIretOUTSAt15))	SEAIESHIt15<-ES(datSEAIretOUTSAt15$rev.SEAIretOUTSAt15, p=0.975, method="historical")
SEAI	16	166	1962	2018-09-16	2018-09-16	SEAIretOUTSAt16<-ln(SEAIaprx[166:1962]/lead(SEAIaprx[166:1962], 1))[1:1796]	datSEAIretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEAIretOUTSAt16))	SEAIESHIt16<-ES(datSEAIretOUTSAt16$rev.SEAIretOUTSAt16, p=0.975, method="historical")
SEAI	17	165	1961	2018-09-17	2018-09-17	SEAIretOUTSAt17<-ln(SEAIaprx[165:1961]/lead(SEAIaprx[165:1961], 1))[1:1796]	datSEAIretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEAIretOUTSAt17))	SEAIESHIt17<-ES(datSEAIretOUTSAt17$rev.SEAIretOUTSAt17, p=0.975, method="historical")
SEAI	18	164	1960	2018-09-18	2018-09-18	SEAIretOUTSAt18<-ln(SEAIaprx[164:1960]/lead(SEAIaprx[164:1960], 1))[1:1796]	datSEAIretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEAIretOUTSAt18))	SEAIESHIt18<-ES(datSEAIretOUTSAt18$rev.SEAIretOUTSAt18, p=0.975, method="historical")
SEAI	19	163	1959	2018-09-19	2018-09-19	SEAIretOUTSAt19<-ln(SEAIaprx[163:1959]/lead(SEAIaprx[163:1959], 1))[1:1796]	datSEAIretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEAIretOUTSAt19))	SEAIESHIt19<-ES(datSEAIretOUTSAt19$rev.SEAIretOUTSAt19, p=0.975, method="historical")
SEAI	20	162	1958	2018-09-20	2018-09-20	SEAIretOUTSAt20<-ln(SEAIaprx[162:1958]/lead(SEAIaprx[162:1958], 1))[1:1796]	datSEAIretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEAIretOUTSAt20))	SEAIESHIt20<-ES(datSEAIretOUTSAt20$rev.SEAIretOUTSAt20, p=0.975, method="historical")
SEAI	21	161	1957	2018-09-21	2018-09-21	SEAIretOUTSAt21<-ln(SEAIaprx[161:1957]/lead(SEAIaprx[161:1957], 1))[1:1796]	datSEAIretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEAIretOUTSAt21))	SEAIESHIt21<-ES(datSEAIretOUTSAt21$rev.SEAIretOUTSAt21, p=0.975, method="historical")
SEAI	22	160	1956	2018-09-22	2018-09-22	SEAIretOUTSAt22<-ln(SEAIaprx[160:1956]/lead(SEAIaprx[160:1956], 1))[1:1796]	datSEAIretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEAIretOUTSAt22))	SEAIESHIt22<-ES(datSEAIretOUTSAt22$rev.SEAIretOUTSAt22, p=0.975, method="historical")
SEAI	23	159	1955	2018-09-23	2018-09-23	SEAIretOUTSAt23<-ln(SEAIaprx[159:1955]/lead(SEAIaprx[159:1955], 1))[1:1796]	datSEAIretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEAIretOUTSAt23))	SEAIESHIt23<-ES(datSEAIretOUTSAt23$rev.SEAIretOUTSAt23, p=0.975, method="historical")
SEAI	24	158	1954	2018-09-24	2018-09-24	SEAIretOUTSAt24<-ln(SEAIaprx[158:1954]/lead(SEAIaprx[158:1954], 1))[1:1796]	datSEAIretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEAIretOUTSAt24))	SEAIESHIt24<-ES(datSEAIretOUTSAt24$rev.SEAIretOUTSAt24, p=0.975, method="historical")
SEAI	25	157	1953	2018-09-25	2018-09-25	SEAIretOUTSAt25<-ln(SEAIaprx[157:1953]/lead(SEAIaprx[157:1953], 1))[1:1796]	datSEAIretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEAIretOUTSAt25))	SEAIESHIt25<-ES(datSEAIretOUTSAt25$rev.SEAIretOUTSAt25, p=0.975, method="historical")
SEAI	26	156	1952	2018-09-26	2018-09-26	SEAIretOUTSAt26<-ln(SEAIaprx[156:1952]/lead(SEAIaprx[156:1952], 1))[1:1796]	datSEAIretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEAIretOUTSAt26))	SEAIESHIt26<-ES(datSEAIretOUTSAt26$rev.SEAIretOUTSAt26, p=0.975, method="historical")
SEAI	27	155	1951	2018-09-27	2018-09-27	SEAIretOUTSAt27<-ln(SEAIaprx[155:1951]/lead(SEAIaprx[155:1951], 1))[1:1796]	datSEAIretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEAIretOUTSAt27))	SEAIESHIt27<-ES(datSEAIretOUTSAt27$rev.SEAIretOUTSAt27, p=0.975, method="historical")
SEAI	28	154	1950	2018-09-28	2018-09-28	SEAIretOUTSAt28<-ln(SEAIaprx[154:1950]/lead(SEAIaprx[154:1950], 1))[1:1796]	datSEAIretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEAIretOUTSAt28))	SEAIESHIt28<-ES(datSEAIretOUTSAt28$rev.SEAIretOUTSAt28, p=0.975, method="historical")
SEAI	29	153	1949	2018-09-29	2018-09-29	SEAIretOUTSAt29<-ln(SEAIaprx[153:1949]/lead(SEAIaprx[153:1949], 1))[1:1796]	datSEAIretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEAIretOUTSAt29))	SEAIESHIt29<-ES(datSEAIretOUTSAt29$rev.SEAIretOUTSAt29, p=0.975, method="historical")
SEAI	30	152	1948	2018-09-30	2018-09-30	SEAIretOUTSAt30<-ln(SEAIaprx[152:1948]/lead(SEAIaprx[152:1948], 1))[1:1796]	datSEAIretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEAIretOUTSAt30))	SEAIESHIt30<-ES(datSEAIretOUTSAt30$rev.SEAIretOUTSAt30, p=0.975, method="historical")
SEAI	31	151	1947	2018-10-01	2018-10-01	SEAIretOUTSAt31<-ln(SEAIaprx[151:1947]/lead(SEAIaprx[151:1947], 1))[1:1796]	datSEAIretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEAIretOUTSAt31))	SEAIESHIt31<-ES(datSEAIretOUTSAt31$rev.SEAIretOUTSAt31, p=0.975, method="historical")
SEAI	32	150	1946	2018-10-02	2018-10-02	SEAIretOUTSAt32<-ln(SEAIaprx[150:1946]/lead(SEAIaprx[150:1946], 1))[1:1796]	datSEAIretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEAIretOUTSAt32))	SEAIESHIt32<-ES(datSEAIretOUTSAt32$rev.SEAIretOUTSAt32, p=0.975, method="historical")
SEAI	33	149	1945	2018-10-03	2018-10-03	SEAIretOUTSAt33<-ln(SEAIaprx[149:1945]/lead(SEAIaprx[149:1945], 1))[1:1796]	datSEAIretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEAIretOUTSAt33))	SEAIESHIt33<-ES(datSEAIretOUTSAt33$rev.SEAIretOUTSAt33, p=0.975, method="historical")
SEAI	34	148	1944	2018-10-04	2018-10-04	SEAIretOUTSAt34<-ln(SEAIaprx[148:1944]/lead(SEAIaprx[148:1944], 1))[1:1796]	datSEAIretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEAIretOUTSAt34))	SEAIESHIt34<-ES(datSEAIretOUTSAt34$rev.SEAIretOUTSAt34, p=0.975, method="historical")
SEAI	35	147	1943	2018-10-05	2018-10-05	SEAIretOUTSAt35<-ln(SEAIaprx[147:1943]/lead(SEAIaprx[147:1943], 1))[1:1796]	datSEAIretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEAIretOUTSAt35))	SEAIESHIt35<-ES(datSEAIretOUTSAt35$rev.SEAIretOUTSAt35, p=0.975, method="historical")
SEAI	36	146	1942	2018-10-06	2018-10-06	SEAIretOUTSAt36<-ln(SEAIaprx[146:1942]/lead(SEAIaprx[146:1942], 1))[1:1796]	datSEAIretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEAIretOUTSAt36))	SEAIESHIt36<-ES(datSEAIretOUTSAt36$rev.SEAIretOUTSAt36, p=0.975, method="historical")
SEAI	37	145	1941	2018-10-07	2018-10-07	SEAIretOUTSAt37<-ln(SEAIaprx[145:1941]/lead(SEAIaprx[145:1941], 1))[1:1796]	datSEAIretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEAIretOUTSAt37))	SEAIESHIt37<-ES(datSEAIretOUTSAt37$rev.SEAIretOUTSAt37, p=0.975, method="historical")
SEAI	38	144	1940	2018-10-08	2018-10-08	SEAIretOUTSAt38<-ln(SEAIaprx[144:1940]/lead(SEAIaprx[144:1940], 1))[1:1796]	datSEAIretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEAIretOUTSAt38))	SEAIESHIt38<-ES(datSEAIretOUTSAt38$rev.SEAIretOUTSAt38, p=0.975, method="historical")
SEAI	39	143	1939	2018-10-09	2018-10-09	SEAIretOUTSAt39<-ln(SEAIaprx[143:1939]/lead(SEAIaprx[143:1939], 1))[1:1796]	datSEAIretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEAIretOUTSAt39))	SEAIESHIt39<-ES(datSEAIretOUTSAt39$rev.SEAIretOUTSAt39, p=0.975, method="historical")
SEAI	40	142	1938	2018-10-10	2018-10-10	SEAIretOUTSAt40<-ln(SEAIaprx[142:1938]/lead(SEAIaprx[142:1938], 1))[1:1796]	datSEAIretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEAIretOUTSAt40))	SEAIESHIt40<-ES(datSEAIretOUTSAt40$rev.SEAIretOUTSAt40, p=0.975, method="historical")
SEAI	41	141	1937	2018-10-11	2018-10-11	SEAIretOUTSAt41<-ln(SEAIaprx[141:1937]/lead(SEAIaprx[141:1937], 1))[1:1796]	datSEAIretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEAIretOUTSAt41))	SEAIESHIt41<-ES(datSEAIretOUTSAt41$rev.SEAIretOUTSAt41, p=0.975, method="historical")
SEAI	42	140	1936	2018-10-12	2018-10-12	SEAIretOUTSAt42<-ln(SEAIaprx[140:1936]/lead(SEAIaprx[140:1936], 1))[1:1796]	datSEAIretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEAIretOUTSAt42))	SEAIESHIt42<-ES(datSEAIretOUTSAt42$rev.SEAIretOUTSAt42, p=0.975, method="historical")
SEAI	43	139	1935	2018-10-13	2018-10-13	SEAIretOUTSAt43<-ln(SEAIaprx[139:1935]/lead(SEAIaprx[139:1935], 1))[1:1796]	datSEAIretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEAIretOUTSAt43))	SEAIESHIt43<-ES(datSEAIretOUTSAt43$rev.SEAIretOUTSAt43, p=0.975, method="historical")
SEAI	44	138	1934	2018-10-14	2018-10-14	SEAIretOUTSAt44<-ln(SEAIaprx[138:1934]/lead(SEAIaprx[138:1934], 1))[1:1796]	datSEAIretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEAIretOUTSAt44))	SEAIESHIt44<-ES(datSEAIretOUTSAt44$rev.SEAIretOUTSAt44, p=0.975, method="historical")
SEAI	45	137	1933	2018-10-15	2018-10-15	SEAIretOUTSAt45<-ln(SEAIaprx[137:1933]/lead(SEAIaprx[137:1933], 1))[1:1796]	datSEAIretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEAIretOUTSAt45))	SEAIESHIt45<-ES(datSEAIretOUTSAt45$rev.SEAIretOUTSAt45, p=0.975, method="historical")
SEAI	46	136	1932	2018-10-16	2018-10-16	SEAIretOUTSAt46<-ln(SEAIaprx[136:1932]/lead(SEAIaprx[136:1932], 1))[1:1796]	datSEAIretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEAIretOUTSAt46))	SEAIESHIt46<-ES(datSEAIretOUTSAt46$rev.SEAIretOUTSAt46, p=0.975, method="historical")
SEAI	47	135	1931	2018-10-17	2018-10-17	SEAIretOUTSAt47<-ln(SEAIaprx[135:1931]/lead(SEAIaprx[135:1931], 1))[1:1796]	datSEAIretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEAIretOUTSAt47))	SEAIESHIt47<-ES(datSEAIretOUTSAt47$rev.SEAIretOUTSAt47, p=0.975, method="historical")
SEAI	48	134	1930	2018-10-18	2018-10-18	SEAIretOUTSAt48<-ln(SEAIaprx[134:1930]/lead(SEAIaprx[134:1930], 1))[1:1796]	datSEAIretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEAIretOUTSAt48))	SEAIESHIt48<-ES(datSEAIretOUTSAt48$rev.SEAIretOUTSAt48, p=0.975, method="historical")
SEAI	49	133	1929	2018-10-19	2018-10-19	SEAIretOUTSAt49<-ln(SEAIaprx[133:1929]/lead(SEAIaprx[133:1929], 1))[1:1796]	datSEAIretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEAIretOUTSAt49))	SEAIESHIt49<-ES(datSEAIretOUTSAt49$rev.SEAIretOUTSAt49, p=0.975, method="historical")
SEAI	50	132	1928	2018-10-20	2018-10-20	SEAIretOUTSAt50<-ln(SEAIaprx[132:1928]/lead(SEAIaprx[132:1928], 1))[1:1796]	datSEAIretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEAIretOUTSAt50))	SEAIESHIt50<-ES(datSEAIretOUTSAt50$rev.SEAIretOUTSAt50, p=0.975, method="historical")
SEAI	51	131	1927	2018-10-21	2018-10-21	SEAIretOUTSAt51<-ln(SEAIaprx[131:1927]/lead(SEAIaprx[131:1927], 1))[1:1796]	datSEAIretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEAIretOUTSAt51))	SEAIESHIt51<-ES(datSEAIretOUTSAt51$rev.SEAIretOUTSAt51, p=0.975, method="historical")
SEAI	52	130	1926	2018-10-22	2018-10-22	SEAIretOUTSAt52<-ln(SEAIaprx[130:1926]/lead(SEAIaprx[130:1926], 1))[1:1796]	datSEAIretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEAIretOUTSAt52))	SEAIESHIt52<-ES(datSEAIretOUTSAt52$rev.SEAIretOUTSAt52, p=0.975, method="historical")
SEAI	53	129	1925	2018-10-23	2018-10-23	SEAIretOUTSAt53<-ln(SEAIaprx[129:1925]/lead(SEAIaprx[129:1925], 1))[1:1796]	datSEAIretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEAIretOUTSAt53))	SEAIESHIt53<-ES(datSEAIretOUTSAt53$rev.SEAIretOUTSAt53, p=0.975, method="historical")
SEAI	54	128	1924	2018-10-24	2018-10-24	SEAIretOUTSAt54<-ln(SEAIaprx[128:1924]/lead(SEAIaprx[128:1924], 1))[1:1796]	datSEAIretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEAIretOUTSAt54))	SEAIESHIt54<-ES(datSEAIretOUTSAt54$rev.SEAIretOUTSAt54, p=0.975, method="historical")
SEAI	55	127	1923	2018-10-25	2018-10-25	SEAIretOUTSAt55<-ln(SEAIaprx[127:1923]/lead(SEAIaprx[127:1923], 1))[1:1796]	datSEAIretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SEAIretOUTSAt55))	SEAIESHIt55<-ES(datSEAIretOUTSAt55$rev.SEAIretOUTSAt55, p=0.975, method="historical")
SEAI	56	126	1922	2018-10-26	2018-10-26	SEAIretOUTSAt56<-ln(SEAIaprx[126:1922]/lead(SEAIaprx[126:1922], 1))[1:1796]	datSEAIretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SEAIretOUTSAt56))	SEAIESHIt56<-ES(datSEAIretOUTSAt56$rev.SEAIretOUTSAt56, p=0.975, method="historical")
SEAI	57	125	1921	2018-10-27	2018-10-27	SEAIretOUTSAt57<-ln(SEAIaprx[125:1921]/lead(SEAIaprx[125:1921], 1))[1:1796]	datSEAIretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SEAIretOUTSAt57))	SEAIESHIt57<-ES(datSEAIretOUTSAt57$rev.SEAIretOUTSAt57, p=0.975, method="historical")
SEAI	58	124	1920	2018-10-28	2018-10-28	SEAIretOUTSAt58<-ln(SEAIaprx[124:1920]/lead(SEAIaprx[124:1920], 1))[1:1796]	datSEAIretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEAIretOUTSAt58))	SEAIESHIt58<-ES(datSEAIretOUTSAt58$rev.SEAIretOUTSAt58, p=0.975, method="historical")
SEAI	59	123	1919	2018-10-29	2018-10-29	SEAIretOUTSAt59<-ln(SEAIaprx[123:1919]/lead(SEAIaprx[123:1919], 1))[1:1796]	datSEAIretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEAIretOUTSAt59))	SEAIESHIt59<-ES(datSEAIretOUTSAt59$rev.SEAIretOUTSAt59, p=0.975, method="historical")
SEAI	60	122	1918	2018-10-30	2018-10-30	SEAIretOUTSAt60<-ln(SEAIaprx[122:1918]/lead(SEAIaprx[122:1918], 1))[1:1796]	datSEAIretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEAIretOUTSAt60))	SEAIESHIt60<-ES(datSEAIretOUTSAt60$rev.SEAIretOUTSAt60, p=0.975, method="historical")
SEAI	61	121	1917	2018-10-31	2018-10-31	SEAIretOUTSAt61<-ln(SEAIaprx[121:1917]/lead(SEAIaprx[121:1917], 1))[1:1796]	datSEAIretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEAIretOUTSAt61))	SEAIESHIt61<-ES(datSEAIretOUTSAt61$rev.SEAIretOUTSAt61, p=0.975, method="historical")
SEAI	62	120	1916	2018-11-01	2018-11-01	SEAIretOUTSAt62<-ln(SEAIaprx[120:1916]/lead(SEAIaprx[120:1916], 1))[1:1796]	datSEAIretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEAIretOUTSAt62))	SEAIESHIt62<-ES(datSEAIretOUTSAt62$rev.SEAIretOUTSAt62, p=0.975, method="historical")
SEAI	63	119	1915	2018-11-02	2018-11-02	SEAIretOUTSAt63<-ln(SEAIaprx[119:1915]/lead(SEAIaprx[119:1915], 1))[1:1796]	datSEAIretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEAIretOUTSAt63))	SEAIESHIt63<-ES(datSEAIretOUTSAt63$rev.SEAIretOUTSAt63, p=0.975, method="historical")
SEAI	64	118	1914	2018-11-03	2018-11-03	SEAIretOUTSAt64<-ln(SEAIaprx[118:1914]/lead(SEAIaprx[118:1914], 1))[1:1796]	datSEAIretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SEAIretOUTSAt64))	SEAIESHIt64<-ES(datSEAIretOUTSAt64$rev.SEAIretOUTSAt64, p=0.975, method="historical")
SEAI	65	117	1913	2018-11-04	2018-11-04	SEAIretOUTSAt65<-ln(SEAIaprx[117:1913]/lead(SEAIaprx[117:1913], 1))[1:1796]	datSEAIretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SEAIretOUTSAt65))	SEAIESHIt65<-ES(datSEAIretOUTSAt65$rev.SEAIretOUTSAt65, p=0.975, method="historical")
SEAI	66	116	1912	2018-11-05	2018-11-05	SEAIretOUTSAt66<-ln(SEAIaprx[116:1912]/lead(SEAIaprx[116:1912], 1))[1:1796]	datSEAIretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SEAIretOUTSAt66))	SEAIESHIt66<-ES(datSEAIretOUTSAt66$rev.SEAIretOUTSAt66, p=0.975, method="historical")
SEAI	67	115	1911	2018-11-06	2018-11-06	SEAIretOUTSAt67<-ln(SEAIaprx[115:1911]/lead(SEAIaprx[115:1911], 1))[1:1796]	datSEAIretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEAIretOUTSAt67))	SEAIESHIt67<-ES(datSEAIretOUTSAt67$rev.SEAIretOUTSAt67, p=0.975, method="historical")
SEAI	68	114	1910	2018-11-07	2018-11-07	SEAIretOUTSAt68<-ln(SEAIaprx[114:1910]/lead(SEAIaprx[114:1910], 1))[1:1796]	datSEAIretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEAIretOUTSAt68))	SEAIESHIt68<-ES(datSEAIretOUTSAt68$rev.SEAIretOUTSAt68, p=0.975, method="historical")
SEAI	69	113	1909	2018-11-08	2018-11-08	SEAIretOUTSAt69<-ln(SEAIaprx[113:1909]/lead(SEAIaprx[113:1909], 1))[1:1796]	datSEAIretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEAIretOUTSAt69))	SEAIESHIt69<-ES(datSEAIretOUTSAt69$rev.SEAIretOUTSAt69, p=0.975, method="historical")
SEAI	70	112	1908	2018-11-09	2018-11-09	SEAIretOUTSAt70<-ln(SEAIaprx[112:1908]/lead(SEAIaprx[112:1908], 1))[1:1796]	datSEAIretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEAIretOUTSAt70))	SEAIESHIt70<-ES(datSEAIretOUTSAt70$rev.SEAIretOUTSAt70, p=0.975, method="historical")
SEAI	71	111	1907	2018-11-10	2018-11-10	SEAIretOUTSAt71<-ln(SEAIaprx[111:1907]/lead(SEAIaprx[111:1907], 1))[1:1796]	datSEAIretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEAIretOUTSAt71))	SEAIESHIt71<-ES(datSEAIretOUTSAt71$rev.SEAIretOUTSAt71, p=0.975, method="historical")
SEAI	72	110	1906	2018-11-11	2018-11-11	SEAIretOUTSAt72<-ln(SEAIaprx[110:1906]/lead(SEAIaprx[110:1906], 1))[1:1796]	datSEAIretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEAIretOUTSAt72))	SEAIESHIt72<-ES(datSEAIretOUTSAt72$rev.SEAIretOUTSAt72, p=0.975, method="historical")
SEAI	73	109	1905	2018-11-12	2018-11-12	SEAIretOUTSAt73<-ln(SEAIaprx[109:1905]/lead(SEAIaprx[109:1905], 1))[1:1796]	datSEAIretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEAIretOUTSAt73))	SEAIESHIt73<-ES(datSEAIretOUTSAt73$rev.SEAIretOUTSAt73, p=0.975, method="historical")
SEAI	74	108	1904	2018-11-13	2018-11-13	SEAIretOUTSAt74<-ln(SEAIaprx[108:1904]/lead(SEAIaprx[108:1904], 1))[1:1796]	datSEAIretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SEAIretOUTSAt74))	SEAIESHIt74<-ES(datSEAIretOUTSAt74$rev.SEAIretOUTSAt74, p=0.975, method="historical")
SEAI	75	107	1903	2018-11-14	2018-11-14	SEAIretOUTSAt75<-ln(SEAIaprx[107:1903]/lead(SEAIaprx[107:1903], 1))[1:1796]	datSEAIretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SEAIretOUTSAt75))	SEAIESHIt75<-ES(datSEAIretOUTSAt75$rev.SEAIretOUTSAt75, p=0.975, method="historical")
SEAI	76	106	1902	2018-11-15	2018-11-15	SEAIretOUTSAt76<-ln(SEAIaprx[106:1902]/lead(SEAIaprx[106:1902], 1))[1:1796]	datSEAIretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEAIretOUTSAt76))	SEAIESHIt76<-ES(datSEAIretOUTSAt76$rev.SEAIretOUTSAt76, p=0.975, method="historical")
SEAI	77	105	1901	2018-11-16	2018-11-16	SEAIretOUTSAt77<-ln(SEAIaprx[105:1901]/lead(SEAIaprx[105:1901], 1))[1:1796]	datSEAIretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEAIretOUTSAt77))	SEAIESHIt77<-ES(datSEAIretOUTSAt77$rev.SEAIretOUTSAt77, p=0.975, method="historical")
SEAI	78	104	1900	2018-11-17	2018-11-17	SEAIretOUTSAt78<-ln(SEAIaprx[104:1900]/lead(SEAIaprx[104:1900], 1))[1:1796]	datSEAIretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEAIretOUTSAt78))	SEAIESHIt78<-ES(datSEAIretOUTSAt78$rev.SEAIretOUTSAt78, p=0.975, method="historical")
SEAI	79	103	1899	2018-11-18	2018-11-18	SEAIretOUTSAt79<-ln(SEAIaprx[103:1899]/lead(SEAIaprx[103:1899], 1))[1:1796]	datSEAIretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEAIretOUTSAt79))	SEAIESHIt79<-ES(datSEAIretOUTSAt79$rev.SEAIretOUTSAt79, p=0.975, method="historical")
SEAI	80	102	1898	2018-11-19	2018-11-19	SEAIretOUTSAt80<-ln(SEAIaprx[102:1898]/lead(SEAIaprx[102:1898], 1))[1:1796]	datSEAIretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEAIretOUTSAt80))	SEAIESHIt80<-ES(datSEAIretOUTSAt80$rev.SEAIretOUTSAt80, p=0.975, method="historical")
SEAI	81	101	1897	2018-11-20	2018-11-20	SEAIretOUTSAt81<-ln(SEAIaprx[101:1897]/lead(SEAIaprx[101:1897], 1))[1:1796]	datSEAIretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEAIretOUTSAt81))	SEAIESHIt81<-ES(datSEAIretOUTSAt81$rev.SEAIretOUTSAt81, p=0.975, method="historical")
SEAI	82	100	1896	2018-11-21	2018-11-21	SEAIretOUTSAt82<-ln(SEAIaprx[100:1896]/lead(SEAIaprx[100:1896], 1))[1:1796]	datSEAIretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEAIretOUTSAt82))	SEAIESHIt82<-ES(datSEAIretOUTSAt82$rev.SEAIretOUTSAt82, p=0.975, method="historical")
SEAI	83	99	1895	2018-11-22	2018-11-22	SEAIretOUTSAt83<-ln(SEAIaprx[99:1895]/lead(SEAIaprx[99:1895], 1))[1:1796]	datSEAIretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date

SEAI	142	40	1836	2019-01-20	2019-01-20	SEAIretOUTSAt142<-ln(SEASAprx[40:1836],lead(SEASAprx[40:1836], 1))[1:1796]	datSEAIretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEAIretOUTSAt142))	SEAIESHIt142<-ES(datSEAIretOUTSAt142$rev.SEAIretOUTSAt142, p=0.975, method="historical")
SEAI	143	39	1835	2019-01-21	2019-01-21	SEAIretOUTSAt143<-ln(SEASAprx[39:1835],lead(SEASAprx[39:1835], 1))[1:1796]	datSEAIretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEAIretOUTSAt143))	SEAIESHIt143<-ES(datSEAIretOUTSAt143$rev.SEAIretOUTSAt143, p=0.975, method="historical")
SEAI	144	38	1834	2019-01-22	2019-01-22	SEAIretOUTSAt144<-ln(SEASAprx[38:1834],lead(SEASAprx[38:1834], 1))[1:1796]	datSEAIretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEAIretOUTSAt144))	SEAIESHIt144<-ES(datSEAIretOUTSAt144$rev.SEAIretOUTSAt144, p=0.975, method="historical")
SEAI	145	37	1833	2019-01-23	2019-01-23	SEAIretOUTSAt145<-ln(SEASAprx[37:1833],lead(SEASAprx[37:1833], 1))[1:1796]	datSEAIretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEAIretOUTSAt145))	SEAIESHIt145<-ES(datSEAIretOUTSAt145$rev.SEAIretOUTSAt145, p=0.975, method="historical")
SEAI	146	36	1832	2019-01-24	2019-01-24	SEAIretOUTSAt146<-ln(SEASAprx[36:1832],lead(SEASAprx[36:1832], 1))[1:1796]	datSEAIretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEAIretOUTSAt146))	SEAIESHIt146<-ES(datSEAIretOUTSAt146$rev.SEAIretOUTSAt146, p=0.975, method="historical")
SEAI	147	35	1831	2019-01-25	2019-01-25	SEAIretOUTSAt147<-ln(SEASAprx[35:1831],lead(SEASAprx[35:1831], 1))[1:1796]	datSEAIretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEAIretOUTSAt147))	SEAIESHIt147<-ES(datSEAIretOUTSAt147$rev.SEAIretOUTSAt147, p=0.975, method="historical")
SEAI	148	34	1830	2019-01-26	2019-01-26	SEAIretOUTSAt148<-ln(SEASAprx[34:1830],lead(SEASAprx[34:1830], 1))[1:1796]	datSEAIretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEAIretOUTSAt148))	SEAIESHIt148<-ES(datSEAIretOUTSAt148$rev.SEAIretOUTSAt148, p=0.975, method="historical")
SEAI	149	33	1829	2019-01-27	2019-01-27	SEAIretOUTSAt149<-ln(SEASAprx[33:1829],lead(SEASAprx[33:1829], 1))[1:1796]	datSEAIretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEAIretOUTSAt149))	SEAIESHIt149<-ES(datSEAIretOUTSAt149$rev.SEAIretOUTSAt149, p=0.975, method="historical")
SEAI	150	32	1828	2019-01-28	2019-01-28	SEAIretOUTSAt150<-ln(SEASAprx[32:1828],lead(SEASAprx[32:1828], 1))[1:1796]	datSEAIretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEAIretOUTSAt150))	SEAIESHIt150<-ES(datSEAIretOUTSAt150$rev.SEAIretOUTSAt150, p=0.975, method="historical")
SEAI	151	31	1827	2019-01-29	2019-01-29	SEAIretOUTSAt151<-ln(SEASAprx[31:1827],lead(SEASAprx[31:1827], 1))[1:1796]	datSEAIretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEAIretOUTSAt151))	SEAIESHIt151<-ES(datSEAIretOUTSAt151$rev.SEAIretOUTSAt151, p=0.975, method="historical")
SEAI	152	30	1826	2019-01-30	2019-01-30	SEAIretOUTSAt152<-ln(SEASAprx[30:1826],lead(SEASAprx[30:1826], 1))[1:1796]	datSEAIretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEAIretOUTSAt152))	SEAIESHIt152<-ES(datSEAIretOUTSAt152$rev.SEAIretOUTSAt152, p=0.975, method="historical")
SEAI	153	29	1825	2019-01-31	2019-01-31	SEAIretOUTSAt153<-ln(SEASAprx[29:1825],lead(SEASAprx[29:1825], 1))[1:1796]	datSEAIretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEAIretOUTSAt153))	SEAIESHIt153<-ES(datSEAIretOUTSAt153$rev.SEAIretOUTSAt153, p=0.975, method="historical")
SEAI	154	28	1824	2019-02-01	2019-02-01	SEAIretOUTSAt154<-ln(SEASAprx[28:1824],lead(SEASAprx[28:1824], 1))[1:1796]	datSEAIretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEAIretOUTSAt154))	SEAIESHIt154<-ES(datSEAIretOUTSAt154$rev.SEAIretOUTSAt154, p=0.975, method="historical")
SEAI	155	27	1823	2019-02-02	2019-02-02	SEAIretOUTSAt155<-ln(SEASAprx[27:1823],lead(SEASAprx[27:1823], 1))[1:1796]	datSEAIretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEAIretOUTSAt155))	SEAIESHIt155<-ES(datSEAIretOUTSAt155$rev.SEAIretOUTSAt155, p=0.975, method="historical")
SEAI	156	26	1822	2019-02-03	2019-02-03	SEAIretOUTSAt156<-ln(SEASAprx[26:1822],lead(SEASAprx[26:1822], 1))[1:1796]	datSEAIretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEAIretOUTSAt156))	SEAIESHIt156<-ES(datSEAIretOUTSAt156$rev.SEAIretOUTSAt156, p=0.975, method="historical")
SEAI	157	25	1821	2019-02-04	2019-02-04	SEAIretOUTSAt157<-ln(SEASAprx[25:1821],lead(SEASAprx[25:1821], 1))[1:1796]	datSEAIretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEAIretOUTSAt157))	SEAIESHIt157<-ES(datSEAIretOUTSAt157$rev.SEAIretOUTSAt157, p=0.975, method="historical")
SEAI	158	24	1820	2019-02-05	2019-02-05	SEAIretOUTSAt158<-ln(SEASAprx[24:1820],lead(SEASAprx[24:1820], 1))[1:1796]	datSEAIretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEAIretOUTSAt158))	SEAIESHIt158<-ES(datSEAIretOUTSAt158$rev.SEAIretOUTSAt158, p=0.975, method="historical")
SEAI	159	23	1819	2019-02-06	2019-02-06	SEAIretOUTSAt159<-ln(SEASAprx[23:1819],lead(SEASAprx[23:1819], 1))[1:1796]	datSEAIretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEAIretOUTSAt159))	SEAIESHIt159<-ES(datSEAIretOUTSAt159$rev.SEAIretOUTSAt159, p=0.975, method="historical")
SEAI	160	22	1818	2019-02-07	2019-02-07	SEAIretOUTSAt160<-ln(SEASAprx[22:1818],lead(SEASAprx[22:1818], 1))[1:1796]	datSEAIretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEAIretOUTSAt160))	SEAIESHIt160<-ES(datSEAIretOUTSAt160$rev.SEAIretOUTSAt160, p=0.975, method="historical")
SEAI	161	21	1817	2019-02-08	2019-02-08	SEAIretOUTSAt161<-ln(SEASAprx[21:1817],lead(SEASAprx[21:1817], 1))[1:1796]	datSEAIretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEAIretOUTSAt161))	SEAIESHIt161<-ES(datSEAIretOUTSAt161$rev.SEAIretOUTSAt161, p=0.975, method="historical")
SEAI	162	20	1816	2019-02-09	2019-02-09	SEAIretOUTSAt162<-ln(SEASAprx[20:1816],lead(SEASAprx[20:1816], 1))[1:1796]	datSEAIretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEAIretOUTSAt162))	SEAIESHIt162<-ES(datSEAIretOUTSAt162$rev.SEAIretOUTSAt162, p=0.975, method="historical")
SEAI	163	19	1815	2019-02-10	2019-02-10	SEAIretOUTSAt163<-ln(SEASAprx[19:1815],lead(SEASAprx[19:1815], 1))[1:1796]	datSEAIretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEAIretOUTSAt163))	SEAIESHIt163<-ES(datSEAIretOUTSAt163$rev.SEAIretOUTSAt163, p=0.975, method="historical")
SEAI	164	18	1814	2019-02-11	2019-02-11	SEAIretOUTSAt164<-ln(SEASAprx[18:1814],lead(SEASAprx[18:1814], 1))[1:1796]	datSEAIretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEAIretOUTSAt164))	SEAIESHIt164<-ES(datSEAIretOUTSAt164$rev.SEAIretOUTSAt164, p=0.975, method="historical")
SEAI	165	17	1813	2019-02-12	2019-02-12	SEAIretOUTSAt165<-ln(SEASAprx[17:1813],lead(SEASAprx[17:1813], 1))[1:1796]	datSEAIretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEAIretOUTSAt165))	SEAIESHIt165<-ES(datSEAIretOUTSAt165$rev.SEAIretOUTSAt165, p=0.975, method="historical")
SEAI	166	16	1812	2019-02-13	2019-02-13	SEAIretOUTSAt166<-ln(SEASAprx[16:1812],lead(SEASAprx[16:1812], 1))[1:1796]	datSEAIretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEAIretOUTSAt166))	SEAIESHIt166<-ES(datSEAIretOUTSAt166$rev.SEAIretOUTSAt166, p=0.975, method="historical")
SEAI	167	15	1811	2019-02-14	2019-02-14	SEAIretOUTSAt167<-ln(SEASAprx[15:1811],lead(SEASAprx[15:1811], 1))[1:1796]	datSEAIretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEAIretOUTSAt167))	SEAIESHIt167<-ES(datSEAIretOUTSAt167$rev.SEAIretOUTSAt167, p=0.975, method="historical")
SEAI	168	14	1810	2019-02-15	2019-02-15	SEAIretOUTSAt168<-ln(SEASAprx[14:1810],lead(SEASAprx[14:1810], 1))[1:1796]	datSEAIretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEAIretOUTSAt168))	SEAIESHIt168<-ES(datSEAIretOUTSAt168$rev.SEAIretOUTSAt168, p=0.975, method="historical")
SEAI	169	13	1809	2019-02-16	2019-02-16	SEAIretOUTSAt169<-ln(SEASAprx[13:1809],lead(SEASAprx[13:1809], 1))[1:1796]	datSEAIretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEAIretOUTSAt169))	SEAIESHIt169<-ES(datSEAIretOUTSAt169$rev.SEAIretOUTSAt169, p=0.975, method="historical")
SEAI	170	12	1808	2019-02-17	2019-02-17	SEAIretOUTSAt170<-ln(SEASAprx[12:1808],lead(SEASAprx[12:1808], 1))[1:1796]	datSEAIretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SEAIretOUTSAt170))	SEAIESHIt170<-ES(datSEAIretOUTSAt170$rev.SEAIretOUTSAt170, p=0.975, method="historical")
SEAI	171	11	1807	2019-02-18	2019-02-18	SEAIretOUTSAt171<-ln(SEASAprx[11:1807],lead(SEASAprx[11:1807], 1))[1:1796]	datSEAIretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SEAIretOUTSAt171))	SEAIESHIt171<-ES(datSEAIretOUTSAt171$rev.SEAIretOUTSAt171, p=0.975, method="historical")
SEAI	172	10	1806	2019-02-19	2019-02-19	SEAIretOUTSAt172<-ln(SEASAprx[10:1806],lead(SEASAprx[10:1806], 1))[1:1796]	datSEAIretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEAIretOUTSAt172))	SEAIESHIt172<-ES(datSEAIretOUTSAt172$rev.SEAIretOUTSAt172, p=0.975, method="historical")
SEAI	173	9	1805	2019-02-20	2019-02-20	SEAIretOUTSAt173<-ln(SEASAprx[9:1805],lead(SEASAprx[9:1805], 1))[1:1796]	datSEAIretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEAIretOUTSAt173))	SEAIESHIt173<-ES(datSEAIretOUTSAt173$rev.SEAIretOUTSAt173, p=0.975, method="historical")
SEAI	174	8	1804	2019-02-21	2019-02-21	SEAIretOUTSAt174<-ln(SEASAprx[8:1804],lead(SEASAprx[8:1804], 1))[1:1796]	datSEAIretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEAIretOUTSAt174))	SEAIESHIt174<-ES(datSEAIretOUTSAt174$rev.SEAIretOUTSAt174, p=0.975, method="historical")
SEAI	175	7	1803	2019-02-22	2019-02-22	SEAIretOUTSAt175<-ln(SEASAprx[7:1803],lead(SEASAprx[7:1803], 1))[1:1796]	datSEAIretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEAIretOUTSAt175))	SEAIESHIt175<-ES(datSEAIretOUTSAt175$rev.SEAIretOUTSAt175, p=0.975, method="historical")
SEAI	176	6	1802	2019-02-23	2019-02-23	SEAIretOUTSAt176<-ln(SEASAprx[6:1802],lead(SEASAprx[6:1802], 1))[1:1796]	datSEAIretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEAIretOUTSAt176))	SEAIESHIt176<-ES(datSEAIretOUTSAt176$rev.SEAIretOUTSAt176, p=0.975, method="historical")
SEAI	177	5	1801	2019-02-24	2019-02-24	SEAIretOUTSAt177<-ln(SEASAprx[5:1801],lead(SEASAprx[5:1801], 1))[1:1796]	datSEAIretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEAIretOUTSAt177))	SEAIESHIt177<-ES(datSEAIretOUTSAt177$rev.SEAIretOUTSAt177, p=0.975, method="historical")
SEAI	178	4	1800	2019-02-25	2019-02-25	SEAIretOUTSAt178<-ln(SEASAprx[4:1800],lead(SEASAprx[4:1800], 1))[1:1796]	datSEAIretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEAIretOUTSAt178))	SEAIESHIt178<-ES(datSEAIretOUTSAt178$rev.SEAIretOUTSAt178, p=0.975, method="historical")
SEAI	179	3	1799	2019-02-26	2019-02-26	SEAIretOUTSAt179<-ln(SEASAprx[3:1799],lead(SEASAprx[3:1799], 1))[1:1796]	datSEAIretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEAIretOUTSAt179))	SEAIESHIt179<-ES(datSEAIretOUTSAt179$rev.SEAIretOUTSAt179, p=0.975, method="historical")
SEAI	180	2	1798	2019-02-27	2019-02-27	SEAIretOUTSAt180<-ln(SEASAprx[2:1798],lead(SEASAprx[2:1798], 1))[1:1796]	datSEAIretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEAIretOUTSAt180))	SEAIESHIt180<-ES(datSEAIretOUTSAt180$rev.SEAIretOUTSAt180, p=0.975, method="historical")
SEAI	181	1	1797	2019-02-28	2019-02-28	SEAIretOUTSAt181<-ln(SEASAprx[1:1797],lead(SEASAprx[1:1797], 1))[1:1796]	datSEAIretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEAIretOUTSAt181))	SEAIESHIt181<-ES(datSEAIretOUTSAt181$rev.SEAIretOUTSAt181, p=0.975, method="historical")
SEIS								
SEIS	1	181	1977	2018-09-01	2018-09-01	SEISretOUTSAt1<-ln(SEISAprx[181:1977],lead(SEISAprx[181:1977], 1))[1:1796]	datSEISretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEISretOUTSAt1))	SEISESHIt1<-ES(datSEISretOUTSAt1$rev.SEISretOUTSAt1, p=0.975, method="historical")
SEIS	2	180	1976	2018-09-02	2018-09-02	SEISretOUTSAt2<-ln(SEISAprx[180:1976],lead(SEISAprx[180:1976], 1))[1:1796]	datSEISretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEISretOUTSAt2))	SEISESHIt2<-ES(datSEISretOUTSAt2$rev.SEISretOUTSAt2, p=0.975, method="historical")
SEIS	3	179	1975	2018-09-03	2018-09-03	SEISretOUTSAt3<-ln(SEISAprx[179:1975],lead(SEISAprx[179:1975], 1))[1:1796]	datSEISretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEISretOUTSAt3))	SEISESHIt3<-ES(datSEISretOUTSAt3$rev.SEISretOUTSAt3, p=0.975, method="historical")
SEIS	4	178	1974	2018-09-04	2018-09-04	SEISretOUTSAt4<-ln(SEISAprx[178:1974],lead(SEISAprx[178:1974], 1))[1:1796]	datSEISretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEISretOUTSAt4))	SEISESHIt4<-ES(datSEISretOUTSAt4$rev.SEISretOUTSAt4, p=0.975, method="historical")
SEIS	5	177	1973	2018-09-05	2018-09-05	SEISretOUTSAt5<-ln(SEISAprx[177:1973],lead(SEISAprx[177:1973], 1))[1:1796]	datSEISretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEISretOUTSAt5))	SEISESHIt5<-ES(datSEISretOUTSAt5$rev.SEISretOUTSAt5, p=0.975, method="historical")
SEIS	6	176	1972	2018-09-06	2018-09-06	SEISretOUTSAt6<-ln(SEISAprx[176:1972],lead(SEISAprx[176:1972], 1))[1:1796]	datSEISretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEISretOUTSAt6))	SEISESHIt6<-ES(datSEISretOUTSAt6$rev.SEISretOUTSAt6, p=0.975, method="historical")
SEIS	7	175	1971	2018-09-07	2018-09-07	SEISretOUTSAt7<-ln(SEISAprx[175:1971],lead(SEISAprx[175:1971], 1))[1:1796]	datSEISretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEISretOUTSAt7))	SEISESHIt7<-ES(datSEISretOUTSAt7$rev.SEISretOUTSAt7, p=0.975, method="historical")
SEIS	8	174	1970	2018-09-08	2018-09-08	SEISretOUTSAt8<-ln(SEISAprx[174:1970],lead(SEISAprx[174:1970], 1))[1:1796]	datSEISretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEISretOUTSAt8))	SEISESHIt8<-ES(datSEISretOUTSAt8$rev.SEISretOUTSAt8, p=0.975, method="historical")
SEIS	9	173	1969	2018-09-09	2018-09-09	SEISretOUTSAt9<-ln(SEISAprx[173:1969],lead(SEISAprx[173:1969], 1))[1:1796]	datSEISretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEISretOUTSAt9))	SEISESHIt9<-ES(datSEISretOUTSAt9$rev.SEISretOUTSAt9, p=0.975, method="historical")
SEIS	10	172	1968	2018-09-10	2018-09-10	SEISretOUTSAt10<-ln(SEISAprx[172:1968],lead(SEISAprx[172:1968], 1))[1:1796]	datSEISretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEISretOUTSAt10))	SEISESHIt10<-ES(datSEISretOUTSAt10$rev.SEISretOUTSAt10, p=0.975, method="historical")
SEIS	11	171	1967	2018-09-11	2018-09-11	SEISretOUTSAt11<-ln(SEISAprx[171:1967],lead(SEISAprx[171:1967], 1))[1:1796]	datSEISretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEISretOUTSAt11))	SEISESHIt11<-ES(datSEISretOUTSAt11$rev.SEISretOUTSAt11, p=0.975, method="historical")
SEIS	12	170	1966	2018-09-12	2018-09-12	SEISretOUTSAt12<-ln(SEISAprx[170:1966],lead(SEISAprx[170:1966], 1))[1:1796]	datSEISretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEISretOUTSAt12))	SEISESHIt12<-ES(datSEISretOUTSAt12$rev.SEISretOUTSAt12, p=0.975, method="historical")
SEIS	13	169	1965	2018-09-13	2018-09-13	SEISretOUTSAt13<-ln(SEISAprx[169:1965],lead(SEISAprx[169:1965], 1))[1:1796]	datSEISretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEISretOUTSAt13))	SEISESHIt13<-ES(datSEISretOUTSAt13$rev.SEISretOUTSAt13, p=0.975, method="historical")
SEIS	14	168	1964	2018-09-14	2018-09-14	SEISretOUTSAt14<-ln(SEISAprx[168:1964],lead(SEISAprx[168:1964], 1))[1:1796]	datSEISretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEISretOUTSAt14))	SEISESHIt14<-ES(datSEISretOUTSAt14$rev.SEISretOUTSAt14, p=0.975, method="historical")
SEIS	15	167	1963	2018-09-15	2018-09-15	SEISretOUTSAt15<-ln(SEISAprx[167:1963],lead(SEISAprx[167:1963], 1))[1:1796]	datSEISretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEISretOUTSAt15))	SEISESHIt15<-ES(datSEISretOUTSAt15$rev.SEISretOUTSAt15, p=0.975, method="historical")
SEIS	16	166	1962	2018-09-16	2018-09-16	SEISretOUTSAt16<-ln(SEISAprx[166:1962],lead(SEISAprx[166:1962], 1))[1:1796]	datSEISretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEISretOUTSAt16))	SEISESHIt16<-ES(datSEISretOUTSAt16$rev.SEISretOUTSAt16, p=0.975, method="historical")
SEIS	17	165	1961	2018-09-17	2018-09-17	SEISretOUTSAt17<-ln(SEISAprx[165:1961],lead(SEISAprx[165:1961], 1))[1:1796]	datSEISretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEISretOUTSAt17))	SEISESHIt17<-ES(datSEISretOUTSAt17$rev.SEISretOUTSAt17, p=0.975, method="historical")
SEIS	18	164	1960	2018-09-18	2018-09-18	SEISretOUTSAt18<-ln(SEISAprx[164:1960],lead(SEISAprx[164:1960], 1))[1:1796]	datSEISretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEISretOUTSAt18))	SEISESHIt18<-ES(datSEISretOUTSAt18$rev.SEISretOUTSAt18, p=0.975, method="historical")
SEIS	19	163	1959	2018-09-19	2018-09-19	SEISretOUTSAt19<-ln(SEISAprx[163:1959],lead(SEISAprx[163:1959], 1))[1:1796]	datSEISretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEISretOUTSAt19))	SEISESHIt19<-ES(datSEISretOUTSAt19$rev.SEISretOUTSAt19, p=0.975, method="historical")
SEIS	20	162	1958	2018-09-20	2018-09-20	SEISretOUTSAt20<-ln(SEISAprx[162:1958],lead(SEISAprx[162:1958], 1))[1:1796]	datSEISretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEISretOUTSAt20))	SEISESHIt20<-ES(datSEISretOUTSAt20$rev.SEISretOUTSAt20, p=0.975, method="historical")
SEIS	21	161	1957	2018-09-21	2018-09-21	SEISretOUTSAt21<-ln(SEISAprx[161:1957],lead(SEISAprx[161:1957], 1))[1:1796]	datSEISretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEISretOUTSAt21))	SEISESHIt21<-ES(datSEISretOUTSAt21$rev.SEISretOUTSAt21, p=0.975, method="historical")
SEIS	22	160	1956	2018-09-22	2018-09-22	SEISretOUTSAt22<-ln(SEISAprx[160:1956],lead(SEISAprx[160:1956], 1))[1:1796]	datSEISretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEISretOUTSAt22))	SEISESHIt22<-ES(datSEISretOUTSAt22$rev.SEISretOUTSAt22, p=0.975, method="historical")
SEIS	23	159	1955	2018-09-23	2018-09-23	SEISretOUTSAt23<-ln(SEISAprx[159:1955],lead(SEISAprx[159:1955], 1))[1:1796]	datSEISretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEISretOUTSAt23))	SEISESHIt23<-ES(datSEISretOUTSAt23$rev.SEISretOUTSAt23, p=0.975, method="historical")
SEIS	24	158	1954	2018-09-24	2018-09-24	SEISretOUTSAt24<-ln(SEISAprx[158:1954],lead(SEISAprx[158:1954], 1))[1:1796]	datSEISretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEISretOUTSAt24))	SEISESHIt24<-ES(datSEISretOUTSAt24$rev.SEISretOUTSAt24, p=0.975, method="historical")
SEIS	25	157	1953	2018-09-25	2018-09-25	SEISretOUTSAt25<-ln(SEISAprx[157:1953],lead(SEISAprx[157:1953], 1))[1:1796]	datSEISretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEISretOUTSAt25))	SEISESHIt25<-ES(datSEISretOUTSAt25$rev.SEISretOUTSAt25, p=0.975, method="historical")
SEIS	26	156	1952	2018-09-26	2018-09-26	SEISretOUTSAt26<-ln(SEISAprx[156:1952],lead(SEISAprx[156:1952], 1))[1:1796]	datSEISretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEISretOUTSAt26))	SEISESHIt26<-ES(datSEISretOUTSAt26$rev.SEISretOUTSAt26, p=0.975, method="historical")
SEIS	27	155	1951	2018-09-27	2018-09-27	SEISretOUTSAt27<-ln(SEISAprx[155:1951],lead(SEISAprx[155:1951], 1))[1:1796]	datSEISretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEISretOUTSAt27))	SEISESHIt27<-ES(datSEISretOUTSAt27$rev.SEISretOUTSAt27, p=0.975, method="historical")
SEIS	28	154	1950	2018-09-28	2018-09-28	SEISretOUTSAt28<-ln(SEISAprx[154:1950],lead(SEISAprx[154:1950], 1))[1:1796]	datSEISretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEISretOUTSAt28))	SEISESHIt28<-ES(datSEISretOUTSAt28$rev.SEISretOUTSAt28, p=0.975, method="historical")
SEIS	29	153	1949	2018-09-29	2018-09-29	SEISretOUTSAt29<-ln(SEISAprx[153:1949],lead(SEISAprx[153:1949], 1))[1:1796]	datSEISretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEISretOUTSAt29))	SEISESHIt29<-ES(datSEISretOUTSAt29$rev.SEISretOUTSAt29, p=0.975, method="historical")
SEIS	30	152	1948	2018-09-30	2018-09-30	SEISretOUTSAt30<-ln(SEISAprx[152:1948],lead(SEISAprx[152:1948], 1))[1:1796]	datSEISretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEISretOUTSAt30))	SEISESHIt30<-ES(datSEISretOUTSAt30$rev.SEISretOUTSAt30, p=0.975, method="historical")
SEIS	31	151	1947	2018-10-01	2018-10-01	SEISretOUTSAt31<-ln(SEISAprx[151:1947],lead(SEISAprx[151:1947], 1))[1:1796]	datSEISretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEISretOUTSAt31))	SEISESHIt31<-ES(datSEISretOUTSAt31$rev.SEISretOUTSAt31, p=0.975, method="historical")
SEIS	32	150	1946	2018-10-02	2018-10-02	SEISretOUTSAt32<-ln(SEISAprx[150:1946],lead(SEISAprx[150:1946], 1))[1:1796]	datSEISretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEISretOUTSAt32))	SEISESHIt32<-ES(datSEISretOUTSAt32$rev.SEISretOUTSAt32, p=0.975, method="historical")
SEIS	33	149	1945	2018-10-03	2018-10-03	SEISretOUTSAt33<-ln(SEISAprx[149:

SEIS	88	94	1890	2018-11-27	2018-11-27	SEISretOUTSAt88<-ln(SEISaprx[94:1890]/lead(SEISaprx[94:1890], 1))[1:1796]	datSEISretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEISretOUTSAt88))	SEISESHIt88<-ES(datSEISretOUTSAt88$rev.SEISretOUTSAt88, p=0.975, method="historical")
SEIS	89	93	1889	2018-11-28	2018-11-28	SEISretOUTSAt89<-ln(SEISaprx[93:1889]/lead(SEISaprx[93:1889], 1))[1:1796]	datSEISretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEISretOUTSAt89))	SEISESHIt89<-ES(datSEISretOUTSAt89$rev.SEISretOUTSAt89, p=0.975, method="historical")
SEIS	90	92	1888	2018-11-29	2018-11-29	SEISretOUTSAt90<-ln(SEISaprx[92:1888]/lead(SEISaprx[92:1888], 1))[1:1796]	datSEISretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEISretOUTSAt90))	SEISESHIt90<-ES(datSEISretOUTSAt90$rev.SEISretOUTSAt90, p=0.975, method="historical")
SEIS	91	91	1887	2018-11-30	2018-11-30	SEISretOUTSAt91<-ln(SEISaprx[91:1887]/lead(SEISaprx[91:1887], 1))[1:1796]	datSEISretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEISretOUTSAt91))	SEISESHIt91<-ES(datSEISretOUTSAt91$rev.SEISretOUTSAt91, p=0.975, method="historical")
SEIS	92	90	1886	2018-12-01	2018-12-01	SEISretOUTSAt92<-ln(SEISaprx[90:1886]/lead(SEISaprx[90:1886], 1))[1:1796]	datSEISretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEISretOUTSAt92))	SEISESHIt92<-ES(datSEISretOUTSAt92$rev.SEISretOUTSAt92, p=0.975, method="historical")
SEIS	93	89	1885	2018-12-02	2018-12-02	SEISretOUTSAt93<-ln(SEISaprx[89:1885]/lead(SEISaprx[89:1885], 1))[1:1796]	datSEISretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEISretOUTSAt93))	SEISESHIt93<-ES(datSEISretOUTSAt93$rev.SEISretOUTSAt93, p=0.975, method="historical")
SEIS	94	88	1884	2018-12-03	2018-12-03	SEISretOUTSAt94<-ln(SEISaprx[88:1884]/lead(SEISaprx[88:1884], 1))[1:1796]	datSEISretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEISretOUTSAt94))	SEISESHIt94<-ES(datSEISretOUTSAt94$rev.SEISretOUTSAt94, p=0.975, method="historical")
SEIS	95	87	1883	2018-12-04	2018-12-04	SEISretOUTSAt95<-ln(SEISaprx[87:1883]/lead(SEISaprx[87:1883], 1))[1:1796]	datSEISretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEISretOUTSAt95))	SEISESHIt95<-ES(datSEISretOUTSAt95$rev.SEISretOUTSAt95, p=0.975, method="historical")
SEIS	96	86	1882	2018-12-05	2018-12-05	SEISretOUTSAt96<-ln(SEISaprx[86:1882]/lead(SEISaprx[86:1882], 1))[1:1796]	datSEISretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEISretOUTSAt96))	SEISESHIt96<-ES(datSEISretOUTSAt96$rev.SEISretOUTSAt96, p=0.975, method="historical")
SEIS	97	85	1881	2018-12-06	2018-12-06	SEISretOUTSAt97<-ln(SEISaprx[85:1881]/lead(SEISaprx[85:1881], 1))[1:1796]	datSEISretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEISretOUTSAt97))	SEISESHIt97<-ES(datSEISretOUTSAt97$rev.SEISretOUTSAt97, p=0.975, method="historical")
SEIS	98	84	1880	2018-12-07	2018-12-07	SEISretOUTSAt98<-ln(SEISaprx[84:1880]/lead(SEISaprx[84:1880], 1))[1:1796]	datSEISretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEISretOUTSAt98))	SEISESHIt98<-ES(datSEISretOUTSAt98$rev.SEISretOUTSAt98, p=0.975, method="historical")
SEIS	99	83	1879	2018-12-08	2018-12-08	SEISretOUTSAt99<-ln(SEISaprx[83:1879]/lead(SEISaprx[83:1879], 1))[1:1796]	datSEISretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEISretOUTSAt99))	SEISESHIt99<-ES(datSEISretOUTSAt99$rev.SEISretOUTSAt99, p=0.975, method="historical")
SEIS	100	82	1878	2018-12-09	2018-12-09	SEISretOUTSAt100<-ln(SEISaprx[82:1878]/lead(SEISaprx[82:1878], 1))[1:1796]	datSEISretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEISretOUTSAt100))	SEISESHIt100<-ES(datSEISretOUTSAt100$rev.SEISretOUTSAt100, p=0.975, method="historical")
SEIS	101	81	1877	2018-12-10	2018-12-10	SEISretOUTSAt101<-ln(SEISaprx[81:1877]/lead(SEISaprx[81:1877], 1))[1:1796]	datSEISretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEISretOUTSAt101))	SEISESHIt101<-ES(datSEISretOUTSAt101$rev.SEISretOUTSAt101, p=0.975, method="historical")
SEIS	102	80	1876	2018-12-11	2018-12-11	SEISretOUTSAt102<-ln(SEISaprx[80:1876]/lead(SEISaprx[80:1876], 1))[1:1796]	datSEISretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEISretOUTSAt102))	SEISESHIt102<-ES(datSEISretOUTSAt102$rev.SEISretOUTSAt102, p=0.975, method="historical")
SEIS	103	79	1875	2018-12-12	2018-12-12	SEISretOUTSAt103<-ln(SEISaprx[79:1875]/lead(SEISaprx[79:1875], 1))[1:1796]	datSEISretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEISretOUTSAt103))	SEISESHIt103<-ES(datSEISretOUTSAt103$rev.SEISretOUTSAt103, p=0.975, method="historical")
SEIS	104	78	1874	2018-12-13	2018-12-13	SEISretOUTSAt104<-ln(SEISaprx[78:1874]/lead(SEISaprx[78:1874], 1))[1:1796]	datSEISretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEISretOUTSAt104))	SEISESHIt104<-ES(datSEISretOUTSAt104$rev.SEISretOUTSAt104, p=0.975, method="historical")
SEIS	105	77	1873	2018-12-14	2018-12-14	SEISretOUTSAt105<-ln(SEISaprx[77:1873]/lead(SEISaprx[77:1873], 1))[1:1796]	datSEISretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEISretOUTSAt105))	SEISESHIt105<-ES(datSEISretOUTSAt105$rev.SEISretOUTSAt105, p=0.975, method="historical")
SEIS	106	76	1872	2018-12-15	2018-12-15	SEISretOUTSAt106<-ln(SEISaprx[76:1872]/lead(SEISaprx[76:1872], 1))[1:1796]	datSEISretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEISretOUTSAt106))	SEISESHIt106<-ES(datSEISretOUTSAt106$rev.SEISretOUTSAt106, p=0.975, method="historical")
SEIS	107	75	1871	2018-12-16	2018-12-16	SEISretOUTSAt107<-ln(SEISaprx[75:1871]/lead(SEISaprx[75:1871], 1))[1:1796]	datSEISretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEISretOUTSAt107))	SEISESHIt107<-ES(datSEISretOUTSAt107$rev.SEISretOUTSAt107, p=0.975, method="historical")
SEIS	108	74	1870	2018-12-17	2018-12-17	SEISretOUTSAt108<-ln(SEISaprx[74:1870]/lead(SEISaprx[74:1870], 1))[1:1796]	datSEISretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEISretOUTSAt108))	SEISESHIt108<-ES(datSEISretOUTSAt108$rev.SEISretOUTSAt108, p=0.975, method="historical")
SEIS	109	73	1869	2018-12-18	2018-12-18	SEISretOUTSAt109<-ln(SEISaprx[73:1869]/lead(SEISaprx[73:1869], 1))[1:1796]	datSEISretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEISretOUTSAt109))	SEISESHIt109<-ES(datSEISretOUTSAt109$rev.SEISretOUTSAt109, p=0.975, method="historical")
SEIS	110	72	1868	2018-12-19	2018-12-19	SEISretOUTSAt110<-ln(SEISaprx[72:1868]/lead(SEISaprx[72:1868], 1))[1:1796]	datSEISretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEISretOUTSAt110))	SEISESHIt110<-ES(datSEISretOUTSAt110$rev.SEISretOUTSAt110, p=0.975, method="historical")
SEIS	111	71	1867	2018-12-20	2018-12-20	SEISretOUTSAt111<-ln(SEISaprx[71:1867]/lead(SEISaprx[71:1867], 1))[1:1796]	datSEISretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEISretOUTSAt111))	SEISESHIt111<-ES(datSEISretOUTSAt111$rev.SEISretOUTSAt111, p=0.975, method="historical")
SEIS	112	70	1866	2018-12-21	2018-12-21	SEISretOUTSAt112<-ln(SEISaprx[70:1866]/lead(SEISaprx[70:1866], 1))[1:1796]	datSEISretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEISretOUTSAt112))	SEISESHIt112<-ES(datSEISretOUTSAt112$rev.SEISretOUTSAt112, p=0.975, method="historical")
SEIS	113	69	1865	2018-12-22	2018-12-22	SEISretOUTSAt113<-ln(SEISaprx[69:1865]/lead(SEISaprx[69:1865], 1))[1:1796]	datSEISretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEISretOUTSAt113))	SEISESHIt113<-ES(datSEISretOUTSAt113$rev.SEISretOUTSAt113, p=0.975, method="historical")
SEIS	114	68	1864	2018-12-23	2018-12-23	SEISretOUTSAt114<-ln(SEISaprx[68:1864]/lead(SEISaprx[68:1864], 1))[1:1796]	datSEISretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEISretOUTSAt114))	SEISESHIt114<-ES(datSEISretOUTSAt114$rev.SEISretOUTSAt114, p=0.975, method="historical")
SEIS	115	67	1863	2018-12-24	2018-12-24	SEISretOUTSAt115<-ln(SEISaprx[67:1863]/lead(SEISaprx[67:1863], 1))[1:1796]	datSEISretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEISretOUTSAt115))	SEISESHIt115<-ES(datSEISretOUTSAt115$rev.SEISretOUTSAt115, p=0.975, method="historical")
SEIS	116	66	1862	2018-12-25	2018-12-25	SEISretOUTSAt116<-ln(SEISaprx[66:1862]/lead(SEISaprx[66:1862], 1))[1:1796]	datSEISretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEISretOUTSAt116))	SEISESHIt116<-ES(datSEISretOUTSAt116$rev.SEISretOUTSAt116, p=0.975, method="historical")
SEIS	117	65	1861	2018-12-26	2018-12-26	SEISretOUTSAt117<-ln(SEISaprx[65:1861]/lead(SEISaprx[65:1861], 1))[1:1796]	datSEISretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEISretOUTSAt117))	SEISESHIt117<-ES(datSEISretOUTSAt117$rev.SEISretOUTSAt117, p=0.975, method="historical")
SEIS	118	64	1860	2018-12-27	2018-12-27	SEISretOUTSAt118<-ln(SEISaprx[64:1860]/lead(SEISaprx[64:1860], 1))[1:1796]	datSEISretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEISretOUTSAt118))	SEISESHIt118<-ES(datSEISretOUTSAt118$rev.SEISretOUTSAt118, p=0.975, method="historical")
SEIS	119	63	1859	2018-12-28	2018-12-28	SEISretOUTSAt119<-ln(SEISaprx[63:1859]/lead(SEISaprx[63:1859], 1))[1:1796]	datSEISretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEISretOUTSAt119))	SEISESHIt119<-ES(datSEISretOUTSAt119$rev.SEISretOUTSAt119, p=0.975, method="historical")
SEIS	120	62	1858	2018-12-29	2018-12-29	SEISretOUTSAt120<-ln(SEISaprx[62:1858]/lead(SEISaprx[62:1858], 1))[1:1796]	datSEISretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEISretOUTSAt120))	SEISESHIt120<-ES(datSEISretOUTSAt120$rev.SEISretOUTSAt120, p=0.975, method="historical")
SEIS	121	61	1857	2018-12-30	2018-12-30	SEISretOUTSAt121<-ln(SEISaprx[61:1857]/lead(SEISaprx[61:1857], 1))[1:1796]	datSEISretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEISretOUTSAt121))	SEISESHIt121<-ES(datSEISretOUTSAt121$rev.SEISretOUTSAt121, p=0.975, method="historical")
SEIS	122	60	1856	2018-12-31	2018-12-31	SEISretOUTSAt122<-ln(SEISaprx[60:1856]/lead(SEISaprx[60:1856], 1))[1:1796]	datSEISretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEISretOUTSAt122))	SEISESHIt122<-ES(datSEISretOUTSAt122$rev.SEISretOUTSAt122, p=0.975, method="historical")
SEIS	123	59	1855	2019-01-01	2019-01-01	SEISretOUTSAt123<-ln(SEISaprx[59:1855]/lead(SEISaprx[59:1855], 1))[1:1796]	datSEISretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEISretOUTSAt123))	SEISESHIt123<-ES(datSEISretOUTSAt123$rev.SEISretOUTSAt123, p=0.975, method="historical")
SEIS	124	58	1854	2019-01-02	2019-01-02	SEISretOUTSAt124<-ln(SEISaprx[58:1854]/lead(SEISaprx[58:1854], 1))[1:1796]	datSEISretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEISretOUTSAt124))	SEISESHIt124<-ES(datSEISretOUTSAt124$rev.SEISretOUTSAt124, p=0.975, method="historical")
SEIS	125	57	1853	2019-01-03	2019-01-03	SEISretOUTSAt125<-ln(SEISaprx[57:1853]/lead(SEISaprx[57:1853], 1))[1:1796]	datSEISretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEISretOUTSAt125))	SEISESHIt125<-ES(datSEISretOUTSAt125$rev.SEISretOUTSAt125, p=0.975, method="historical")
SEIS	126	56	1852	2019-01-04	2019-01-04	SEISretOUTSAt126<-ln(SEISaprx[56:1852]/lead(SEISaprx[56:1852], 1))[1:1796]	datSEISretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEISretOUTSAt126))	SEISESHIt126<-ES(datSEISretOUTSAt126$rev.SEISretOUTSAt126, p=0.975, method="historical")
SEIS	127	55	1851	2019-01-05	2019-01-05	SEISretOUTSAt127<-ln(SEISaprx[55:1851]/lead(SEISaprx[55:1851], 1))[1:1796]	datSEISretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEISretOUTSAt127))	SEISESHIt127<-ES(datSEISretOUTSAt127$rev.SEISretOUTSAt127, p=0.975, method="historical")
SEIS	128	54	1850	2019-01-06	2019-01-06	SEISretOUTSAt128<-ln(SEISaprx[54:1850]/lead(SEISaprx[54:1850], 1))[1:1796]	datSEISretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEISretOUTSAt128))	SEISESHIt128<-ES(datSEISretOUTSAt128$rev.SEISretOUTSAt128, p=0.975, method="historical")
SEIS	129	53	1849	2019-01-07	2019-01-07	SEISretOUTSAt129<-ln(SEISaprx[53:1849]/lead(SEISaprx[53:1849], 1))[1:1796]	datSEISretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEISretOUTSAt129))	SEISESHIt129<-ES(datSEISretOUTSAt129$rev.SEISretOUTSAt129, p=0.975, method="historical")
SEIS	130	52	1848	2019-01-08	2019-01-08	SEISretOUTSAt130<-ln(SEISaprx[52:1848]/lead(SEISaprx[52:1848], 1))[1:1796]	datSEISretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEISretOUTSAt130))	SEISESHIt130<-ES(datSEISretOUTSAt130$rev.SEISretOUTSAt130, p=0.975, method="historical")
SEIS	131	51	1847	2019-01-09	2019-01-09	SEISretOUTSAt131<-ln(SEISaprx[51:1847]/lead(SEISaprx[51:1847], 1))[1:1796]	datSEISretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEISretOUTSAt131))	SEISESHIt131<-ES(datSEISretOUTSAt131$rev.SEISretOUTSAt131, p=0.975, method="historical")
SEIS	132	50	1846	2019-01-10	2019-01-10	SEISretOUTSAt132<-ln(SEISaprx[50:1846]/lead(SEISaprx[50:1846], 1))[1:1796]	datSEISretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEISretOUTSAt132))	SEISESHIt132<-ES(datSEISretOUTSAt132$rev.SEISretOUTSAt132, p=0.975, method="historical")
SEIS	133	49	1845	2019-01-11	2019-01-11	SEISretOUTSAt133<-ln(SEISaprx[49:1845]/lead(SEISaprx[49:1845], 1))[1:1796]	datSEISretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEISretOUTSAt133))	SEISESHIt133<-ES(datSEISretOUTSAt133$rev.SEISretOUTSAt133, p=0.975, method="historical")
SEIS	134	48	1844	2019-01-12	2019-01-12	SEISretOUTSAt134<-ln(SEISaprx[48:1844]/lead(SEISaprx[48:1844], 1))[1:1796]	datSEISretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEISretOUTSAt134))	SEISESHIt134<-ES(datSEISretOUTSAt134$rev.SEISretOUTSAt134, p=0.975, method="historical")
SEIS	135	47	1843	2019-01-13	2019-01-13	SEISretOUTSAt135<-ln(SEISaprx[47:1843]/lead(SEISaprx[47:1843], 1))[1:1796]	datSEISretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEISretOUTSAt135))	SEISESHIt135<-ES(datSEISretOUTSAt135$rev.SEISretOUTSAt135, p=0.975, method="historical")
SEIS	136	46	1842	2019-01-14	2019-01-14	SEISretOUTSAt136<-ln(SEISaprx[46:1842]/lead(SEISaprx[46:1842], 1))[1:1796]	datSEISretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEISretOUTSAt136))	SEISESHIt136<-ES(datSEISretOUTSAt136$rev.SEISretOUTSAt136, p=0.975, method="historical")
SEIS	137	45	1841	2019-01-15	2019-01-15	SEISretOUTSAt137<-ln(SEISaprx[45:1841]/lead(SEISaprx[45:1841], 1))[1:1796]	datSEISretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEISretOUTSAt137))	SEISESHIt137<-ES(datSEISretOUTSAt137$rev.SEISretOUTSAt137, p=0.975, method="historical")
SEIS	138	44	1840	2019-01-16	2019-01-16	SEISretOUTSAt138<-ln(SEISaprx[44:1840]/lead(SEISaprx[44:1840], 1))[1:1796]	datSEISretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEISretOUTSAt138))	SEISESHIt138<-ES(datSEISretOUTSAt138$rev.SEISretOUTSAt138, p=0.975, method="historical")
SEIS	139	43	1839	2019-01-17	2019-01-17	SEISretOUTSAt139<-ln(SEISaprx[43:1839]/lead(SEISaprx[43:1839], 1))[1:1796]	datSEISretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEISretOUTSAt139))	SEISESHIt139<-ES(datSEISretOUTSAt139$rev.SEISretOUTSAt139, p=0.975, method="historical")
SEIS	140	42	1838	2019-01-18	2019-01-18	SEISretOUTSAt140<-ln(SEISaprx[42:1838]/lead(SEISaprx[42:1838], 1))[1:1796]	datSEISretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEISretOUTSAt140))	SEISESHIt140<-ES(datSEISretOUTSAt140$rev.SEISretOUTSAt140, p=0.975, method="historical")
SEIS	141	41	1837	2019-01-19	2019-01-19	SEISretOUTSAt141<-ln(SEISaprx[41:1837]/lead(SEISaprx[41:1837], 1))[1:1796]	datSEISretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEISretOUTSAt141))	SEISESHIt141<-ES(datSEISretOUTSAt141$rev.SEISretOUTSAt141, p=0.975, method="historical")
SEIS	142	40	1836	2019-01-20	2019-01-20	SEISretOUTSAt142<-ln(SEISaprx[40:1836]/lead(SEISaprx[40:1836], 1))[1:1796]	datSEISretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEISretOUTSAt142))	SEISESHIt142<-ES(datSEISretOUTSAt142$rev.SEISretOUTSAt142, p=0.975, method="historical")
SEIS	143	39	1835	2019-01-21	2019-01-21	SEISretOUTSAt143<-ln(SEISaprx[39:1835]/lead(SEISaprx[39:1835], 1))[1:1796]	datSEISretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEISretOUTSAt143))	SEISESHIt143<-ES(datSEISretOUTSAt143$rev.SEISretOUTSAt143, p=0.975, method="historical")
SEIS	144	38	1834	2019-01-22	2019-01-22	SEISretOUTSAt144<-ln(SEISaprx[38:1834]/lead(SEISaprx[38:1834], 1))[1:1796]	datSEISretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEISretOUTSAt144))	SEISESHIt144<-ES(datSEISretOUTSAt144$rev.SEISretOUTSAt144, p=0.975, method="historical")
SEIS	145	37	1833	2019-01-23	2019-01-23	SEISretOUTSAt145<-ln(SEISaprx[37:1833]/lead(SEISaprx[37:1833], 1))[1:1796]	datSEISretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEISretOUTSAt145))	SEISESHIt145<-ES(datSEISretOUTSAt145$rev.SEISretOUTSAt145, p=0.975, method="historical")
SEIS	146	36	1832	2019-01-24	2019-01-24	SEISretOUTSAt146<-ln(SEISaprx[36:1832]/lead(SEISaprx[36:1832], 1))[1:1796]	datSEISretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEISretOUTSAt146))	SEISESHIt146<-ES(datSEISretOUTSAt146$rev.SEISretOUTSAt146, p=0.975, method="historical")
SEIS	147	35	1831	2019-01-25	2019-01-25	SEISretOUTSAt147<-ln(SEISaprx[35:1831]/lead(SEISaprx[35:1831], 1))[1:1796]	datSEISretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEISretOUTSAt147))	SEISESHIt147<-ES(datSEISretOUTSAt147$rev.SEISretOUTSAt147, p=0.975, method="historical")
SEIS	148	34	1830	2019-01-26	2019-01-26	SEISretOUTSAt148<-ln(SEISaprx[34:1830]/lead(SEISaprx[34:1830], 1))[1:1796]	datSEISretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEISretOUTSAt148))	SEISESHIt148<-ES(datSEISretOUTSAt148$rev.SEISretOUTSAt148, p=0.975, method="historical")
SEIS	149	33	1829	2019-01-27	2019-01-27	SEISretOUTSAt149<-ln(SEISaprx[33:1829]/lead(SEISaprx[33:1829], 1))[1:1796]	datSEISretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEISretOUTSAt149))	SEISESHIt149<-ES(datSEISretOUTSAt149$rev.SEISretOUTSAt149, p=0.975, method="historical")
SEIS	150	32	1828	2019-01-28	2019-01-28	SEISretOUTSAt150<-ln(SEISaprx[32:1828]/lead(SEISaprx[32:1828], 1))[1:1796]	datSEISretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEISretOUTSAt150))	SEISESHIt150<-ES(datSEISretOUTSAt150$rev.SEISretOUTSAt150, p=0.975, method="historical")
SEIS	151	31	1827	2019-01-29	2019-01-29	SEISretOUTSAt151<-ln(SEISaprx[31:1827]/lead(SEISaprx[31:1827], 1))[1:1796]	datSEISretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEISretOUTSAt151))	SEISESHIt151<-ES(datSEISretOUTSAt151$rev.SEISretOUTSAt151, p=0.975, method="historical")
SEIS	152	30	1826	2019-01-30	2019-01-30	SEISretOUTSAt152<-ln(SEISaprx[30:1826]/lead(SEISaprx[30:1826], 1))[1:1796]	datSEISretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEISretOUTSAt152))	SEISESHIt152<-ES(datSEISretOUTSAt152$rev.SEISretOUTSAt152, p=0.975, method="historical")
SEIS	153	29	1825	2019-01-31	2019-01-31	SEISretOUTSAt153<-ln(SEISaprx[29:1825]/lead(SEISaprx[29:1825], 1))[1:1796]	datSEISretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEISretOUTSAt153))	SEISESHIt153<-ES(datSEISretOUTSAt153$rev.SEISretOUTSAt153, p=0.975, method="historical")
SEIS	154	28	1824	2019-02-01	2019-02-01	SEISretOUTSAt154<-ln(SEISaprx[28:1824]/lead(SEISaprx[28:1824], 1))[1:1796]	datSEISretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEISretOUTSAt154))	SEISESHIt154<-ES(datSEISretOUTSAt154$rev.SEISretOUTSAt154, p=0.975, method="historical")
SEIS	155	27	1823	2019-02-02	2019-02-02	SEISretOUTSAt155<-ln(SEISaprx[27:1823]/lead(SEISaprx[27:1823], 1))[1:1796]	datSEISretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEISretOUTSAt155))	SEISESHIt155<-ES(datSEISretOUTSAt155$rev.SEISretOUTSAt155, p=0.975, method="historical")
SEIS	156	26	1822	2019-02-03	2019-02-03	SEISretOUTSAt156<-ln(SEISaprx[26:1822]/lead(SEISaprx[26:1822], 1))[1:1796]	datSEISretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEISretOUTSAt156))	SEISESHIt156<-ES(datSEISretOUTSAt156$rev.SEISretOUTSAt156, p=0.975, method="historical")
SEIS	157	25	1821	2019-02-04	2019-02-04	SEISretOUTSAt157<-ln(SEISaprx[25:1821]/lead(SEISaprx[25:1821], 1))[1:1796]	datSEISretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEISretOUTSAt157))	SEISESHIt157<-ES(datSEISretOUTSAt157$rev.SEISretOUTSAt157, p=0.975, method="historical")
SEIS	158	24	1820	2019-02-05	2019-02-05	SEISretOUTSAt158<-ln(SEISaprx[24:1820]/lead(SEISaprx[24:1820], 1))[1:1796]	datSEISretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEISretOUTSAt158))	SEISESHIt158<-ES(datSEISretOUTSAt158$rev.SEISretOUTSAt158, p=0.975, method="historical")
SEIS	159	23	1819	2019-02-06	2019-02-06	SEISretOUTSAt159<-ln(SEISaprx[23:1819]/lead(SEISaprx[23:1819], 1))[1:1796]	datSEISretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEISretOUTSAt159))	SEISESHIt159<-ES(datSEISretOUTSAt159$rev.SEISretOUTSAt159, p=0.975, method="historical")
SEIS	160	22	1818	2019-02-07	2019-02-07	SEISretOUTSAt160<-ln(SEISaprx[22:1818]/lead(SEISaprx[22:1818], 1))[1:1796]	datSEISretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEISretOUTSAt160))	SEISESHIt160<-ES(datSEISretOUTSAt160$rev.SEISretOUTSAt160, p=0.975, method="historical")
SEIS	161	21	1817	2019-02-08	2019-02-08	SEIS

SERE	34	148	1944	2018-10-04	2018-10-04	SERetretOUTSAt34<-ln(SERExaprx[148:1944]/lead(SERExaprx[148:1944], 1))[1:1796]	datSERetretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SERetretOUTSAt34))	SERESSHIt34<-ES(datSERetretOUTSAt34$rev.SERetretOUTSAt34, p=0.975, method="historical")
SERE	35	147	1943	2018-10-05	2018-10-05	SERetretOUTSAt35<-ln(SERExaprx[147:1943]/lead(SERExaprx[147:1943], 1))[1:1796]	datSERetretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SERetretOUTSAt35))	SERESSHIt35<-ES(datSERetretOUTSAt35$rev.SERetretOUTSAt35, p=0.975, method="historical")
SERE	36	146	1942	2018-10-06	2018-10-06	SERetretOUTSAt36<-ln(SERExaprx[146:1942]/lead(SERExaprx[146:1942], 1))[1:1796]	datSERetretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SERetretOUTSAt36))	SERESSHIt36<-ES(datSERetretOUTSAt36$rev.SERetretOUTSAt36, p=0.975, method="historical")
SERE	37	145	1941	2018-10-07	2018-10-07	SERetretOUTSAt37<-ln(SERExaprx[145:1941]/lead(SERExaprx[145:1941], 1))[1:1796]	datSERetretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SERetretOUTSAt37))	SERESSHIt37<-ES(datSERetretOUTSAt37$rev.SERetretOUTSAt37, p=0.975, method="historical")
SERE	38	144	1940	2018-10-08	2018-10-08	SERetretOUTSAt38<-ln(SERExaprx[144:1940]/lead(SERExaprx[144:1940], 1))[1:1796]	datSERetretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SERetretOUTSAt38))	SERESSHIt38<-ES(datSERetretOUTSAt38$rev.SERetretOUTSAt38, p=0.975, method="historical")
SERE	39	143	1939	2018-10-09	2018-10-09	SERetretOUTSAt39<-ln(SERExaprx[143:1939]/lead(SERExaprx[143:1939], 1))[1:1796]	datSERetretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SERetretOUTSAt39))	SERESSHIt39<-ES(datSERetretOUTSAt39$rev.SERetretOUTSAt39, p=0.975, method="historical")
SERE	40	142	1938	2018-10-10	2018-10-10	SERetretOUTSAt40<-ln(SERExaprx[142:1938]/lead(SERExaprx[142:1938], 1))[1:1796]	datSERetretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SERetretOUTSAt40))	SERESSHIt40<-ES(datSERetretOUTSAt40$rev.SERetretOUTSAt40, p=0.975, method="historical")
SERE	41	141	1937	2018-10-11	2018-10-11	SERetretOUTSAt41<-ln(SERExaprx[141:1937]/lead(SERExaprx[141:1937], 1))[1:1796]	datSERetretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SERetretOUTSAt41))	SERESSHIt41<-ES(datSERetretOUTSAt41$rev.SERetretOUTSAt41, p=0.975, method="historical")
SERE	42	140	1936	2018-10-12	2018-10-12	SERetretOUTSAt42<-ln(SERExaprx[140:1936]/lead(SERExaprx[140:1936], 1))[1:1796]	datSERetretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SERetretOUTSAt42))	SERESSHIt42<-ES(datSERetretOUTSAt42$rev.SERetretOUTSAt42, p=0.975, method="historical")
SERE	43	139	1935	2018-10-13	2018-10-13	SERetretOUTSAt43<-ln(SERExaprx[139:1935]/lead(SERExaprx[139:1935], 1))[1:1796]	datSERetretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SERetretOUTSAt43))	SERESSHIt43<-ES(datSERetretOUTSAt43$rev.SERetretOUTSAt43, p=0.975, method="historical")
SERE	44	138	1934	2018-10-14	2018-10-14	SERetretOUTSAt44<-ln(SERExaprx[138:1934]/lead(SERExaprx[138:1934], 1))[1:1796]	datSERetretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SERetretOUTSAt44))	SERESSHIt44<-ES(datSERetretOUTSAt44$rev.SERetretOUTSAt44, p=0.975, method="historical")
SERE	45	137	1933	2018-10-15	2018-10-15	SERetretOUTSAt45<-ln(SERExaprx[137:1933]/lead(SERExaprx[137:1933], 1))[1:1796]	datSERetretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SERetretOUTSAt45))	SERESSHIt45<-ES(datSERetretOUTSAt45$rev.SERetretOUTSAt45, p=0.975, method="historical")
SERE	46	136	1932	2018-10-16	2018-10-16	SERetretOUTSAt46<-ln(SERExaprx[136:1932]/lead(SERExaprx[136:1932], 1))[1:1796]	datSERetretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SERetretOUTSAt46))	SERESSHIt46<-ES(datSERetretOUTSAt46$rev.SERetretOUTSAt46, p=0.975, method="historical")
SERE	47	135	1931	2018-10-17	2018-10-17	SERetretOUTSAt47<-ln(SERExaprx[135:1931]/lead(SERExaprx[135:1931], 1))[1:1796]	datSERetretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SERetretOUTSAt47))	SERESSHIt47<-ES(datSERetretOUTSAt47$rev.SERetretOUTSAt47, p=0.975, method="historical")
SERE	48	134	1930	2018-10-18	2018-10-18	SERetretOUTSAt48<-ln(SERExaprx[134:1930]/lead(SERExaprx[134:1930], 1))[1:1796]	datSERetretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SERetretOUTSAt48))	SERESSHIt48<-ES(datSERetretOUTSAt48$rev.SERetretOUTSAt48, p=0.975, method="historical")
SERE	49	133	1929	2018-10-19	2018-10-19	SERetretOUTSAt49<-ln(SERExaprx[133:1929]/lead(SERExaprx[133:1929], 1))[1:1796]	datSERetretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SERetretOUTSAt49))	SERESSHIt49<-ES(datSERetretOUTSAt49$rev.SERetretOUTSAt49, p=0.975, method="historical")
SERE	50	132	1928	2018-10-20	2018-10-20	SERetretOUTSAt50<-ln(SERExaprx[132:1928]/lead(SERExaprx[132:1928], 1))[1:1796]	datSERetretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SERetretOUTSAt50))	SERESSHIt50<-ES(datSERetretOUTSAt50$rev.SERetretOUTSAt50, p=0.975, method="historical")
SERE	51	131	1927	2018-10-21	2018-10-21	SERetretOUTSAt51<-ln(SERExaprx[131:1927]/lead(SERExaprx[131:1927], 1))[1:1796]	datSERetretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SERetretOUTSAt51))	SERESSHIt51<-ES(datSERetretOUTSAt51$rev.SERetretOUTSAt51, p=0.975, method="historical")
SERE	52	130	1926	2018-10-22	2018-10-22	SERetretOUTSAt52<-ln(SERExaprx[130:1926]/lead(SERExaprx[130:1926], 1))[1:1796]	datSERetretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SERetretOUTSAt52))	SERESSHIt52<-ES(datSERetretOUTSAt52$rev.SERetretOUTSAt52, p=0.975, method="historical")
SERE	53	129	1925	2018-10-23	2018-10-23	SERetretOUTSAt53<-ln(SERExaprx[129:1925]/lead(SERExaprx[129:1925], 1))[1:1796]	datSERetretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SERetretOUTSAt53))	SERESSHIt53<-ES(datSERetretOUTSAt53$rev.SERetretOUTSAt53, p=0.975, method="historical")
SERE	54	128	1924	2018-10-24	2018-10-24	SERetretOUTSAt54<-ln(SERExaprx[128:1924]/lead(SERExaprx[128:1924], 1))[1:1796]	datSERetretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SERetretOUTSAt54))	SERESSHIt54<-ES(datSERetretOUTSAt54$rev.SERetretOUTSAt54, p=0.975, method="historical")
SERE	55	127	1923	2018-10-25	2018-10-25	SERetretOUTSAt55<-ln(SERExaprx[127:1923]/lead(SERExaprx[127:1923], 1))[1:1796]	datSERetretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SERetretOUTSAt55))	SERESSHIt55<-ES(datSERetretOUTSAt55$rev.SERetretOUTSAt55, p=0.975, method="historical")
SERE	56	126	1922	2018-10-26	2018-10-26	SERetretOUTSAt56<-ln(SERExaprx[126:1922]/lead(SERExaprx[126:1922], 1))[1:1796]	datSERetretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SERetretOUTSAt56))	SERESSHIt56<-ES(datSERetretOUTSAt56$rev.SERetretOUTSAt56, p=0.975, method="historical")
SERE	57	125	1921	2018-10-27	2018-10-27	SERetretOUTSAt57<-ln(SERExaprx[125:1921]/lead(SERExaprx[125:1921], 1))[1:1796]	datSERetretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SERetretOUTSAt57))	SERESSHIt57<-ES(datSERetretOUTSAt57$rev.SERetretOUTSAt57, p=0.975, method="historical")
SERE	58	124	1920	2018-10-28	2018-10-28	SERetretOUTSAt58<-ln(SERExaprx[124:1920]/lead(SERExaprx[124:1920], 1))[1:1796]	datSERetretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SERetretOUTSAt58))	SERESSHIt58<-ES(datSERetretOUTSAt58$rev.SERetretOUTSAt58, p=0.975, method="historical")
SERE	59	123	1919	2018-10-29	2018-10-29	SERetretOUTSAt59<-ln(SERExaprx[123:1919]/lead(SERExaprx[123:1919], 1))[1:1796]	datSERetretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SERetretOUTSAt59))	SERESSHIt59<-ES(datSERetretOUTSAt59$rev.SERetretOUTSAt59, p=0.975, method="historical")
SERE	60	122	1918	2018-10-30	2018-10-30	SERetretOUTSAt60<-ln(SERExaprx[122:1918]/lead(SERExaprx[122:1918], 1))[1:1796]	datSERetretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SERetretOUTSAt60))	SERESSHIt60<-ES(datSERetretOUTSAt60$rev.SERetretOUTSAt60, p=0.975, method="historical")
SERE	61	121	1917	2018-10-31	2018-10-31	SERetretOUTSAt61<-ln(SERExaprx[121:1917]/lead(SERExaprx[121:1917], 1))[1:1796]	datSERetretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SERetretOUTSAt61))	SERESSHIt61<-ES(datSERetretOUTSAt61$rev.SERetretOUTSAt61, p=0.975, method="historical")
SERE	62	120	1916	2018-11-01	2018-11-01	SERetretOUTSAt62<-ln(SERExaprx[120:1916]/lead(SERExaprx[120:1916], 1))[1:1796]	datSERetretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SERetretOUTSAt62))	SERESSHIt62<-ES(datSERetretOUTSAt62$rev.SERetretOUTSAt62, p=0.975, method="historical")
SERE	63	119	1915	2018-11-02	2018-11-02	SERetretOUTSAt63<-ln(SERExaprx[119:1915]/lead(SERExaprx[119:1915], 1))[1:1796]	datSERetretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SERetretOUTSAt63))	SERESSHIt63<-ES(datSERetretOUTSAt63$rev.SERetretOUTSAt63, p=0.975, method="historical")
SERE	64	118	1914	2018-11-03	2018-11-03	SERetretOUTSAt64<-ln(SERExaprx[118:1914]/lead(SERExaprx[118:1914], 1))[1:1796]	datSERetretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SERetretOUTSAt64))	SERESSHIt64<-ES(datSERetretOUTSAt64$rev.SERetretOUTSAt64, p=0.975, method="historical")
SERE	65	117	1913	2018-11-04	2018-11-04	SERetretOUTSAt65<-ln(SERExaprx[117:1913]/lead(SERExaprx[117:1913], 1))[1:1796]	datSERetretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SERetretOUTSAt65))	SERESSHIt65<-ES(datSERetretOUTSAt65$rev.SERetretOUTSAt65, p=0.975, method="historical")
SERE	66	116	1912	2018-11-05	2018-11-05	SERetretOUTSAt66<-ln(SERExaprx[116:1912]/lead(SERExaprx[116:1912], 1))[1:1796]	datSERetretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SERetretOUTSAt66))	SERESSHIt66<-ES(datSERetretOUTSAt66$rev.SERetretOUTSAt66, p=0.975, method="historical")
SERE	67	115	1911	2018-11-06	2018-11-06	SERetretOUTSAt67<-ln(SERExaprx[115:1911]/lead(SERExaprx[115:1911], 1))[1:1796]	datSERetretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SERetretOUTSAt67))	SERESSHIt67<-ES(datSERetretOUTSAt67$rev.SERetretOUTSAt67, p=0.975, method="historical")
SERE	68	114	1910	2018-11-07	2018-11-07	SERetretOUTSAt68<-ln(SERExaprx[114:1910]/lead(SERExaprx[114:1910], 1))[1:1796]	datSERetretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SERetretOUTSAt68))	SERESSHIt68<-ES(datSERetretOUTSAt68$rev.SERetretOUTSAt68, p=0.975, method="historical")
SERE	69	113	1909	2018-11-08	2018-11-08	SERetretOUTSAt69<-ln(SERExaprx[113:1909]/lead(SERExaprx[113:1909], 1))[1:1796]	datSERetretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SERetretOUTSAt69))	SERESSHIt69<-ES(datSERetretOUTSAt69$rev.SERetretOUTSAt69, p=0.975, method="historical")
SERE	70	112	1908	2018-11-09	2018-11-09	SERetretOUTSAt70<-ln(SERExaprx[112:1908]/lead(SERExaprx[112:1908], 1))[1:1796]	datSERetretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SERetretOUTSAt70))	SERESSHIt70<-ES(datSERetretOUTSAt70$rev.SERetretOUTSAt70, p=0.975, method="historical")
SERE	71	111	1907	2018-11-10	2018-11-10	SERetretOUTSAt71<-ln(SERExaprx[111:1907]/lead(SERExaprx[111:1907], 1))[1:1796]	datSERetretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SERetretOUTSAt71))	SERESSHIt71<-ES(datSERetretOUTSAt71$rev.SERetretOUTSAt71, p=0.975, method="historical")
SERE	72	110	1906	2018-11-11	2018-11-11	SERetretOUTSAt72<-ln(SERExaprx[110:1906]/lead(SERExaprx[110:1906], 1))[1:1796]	datSERetretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SERetretOUTSAt72))	SERESSHIt72<-ES(datSERetretOUTSAt72$rev.SERetretOUTSAt72, p=0.975, method="historical")
SERE	73	109	1905	2018-11-12	2018-11-12	SERetretOUTSAt73<-ln(SERExaprx[109:1905]/lead(SERExaprx[109:1905], 1))[1:1796]	datSERetretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SERetretOUTSAt73))	SERESSHIt73<-ES(datSERetretOUTSAt73$rev.SERetretOUTSAt73, p=0.975, method="historical")
SERE	74	108	1904	2018-11-13	2018-11-13	SERetretOUTSAt74<-ln(SERExaprx[108:1904]/lead(SERExaprx[108:1904], 1))[1:1796]	datSERetretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SERetretOUTSAt74))	SERESSHIt74<-ES(datSERetretOUTSAt74$rev.SERetretOUTSAt74, p=0.975, method="historical")
SERE	75	107	1903	2018-11-14	2018-11-14	SERetretOUTSAt75<-ln(SERExaprx[107:1903]/lead(SERExaprx[107:1903], 1))[1:1796]	datSERetretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SERetretOUTSAt75))	SERESSHIt75<-ES(datSERetretOUTSAt75$rev.SERetretOUTSAt75, p=0.975, method="historical")
SERE	76	106	1902	2018-11-15	2018-11-15	SERetretOUTSAt76<-ln(SERExaprx[106:1902]/lead(SERExaprx[106:1902], 1))[1:1796]	datSERetretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SERetretOUTSAt76))	SERESSHIt76<-ES(datSERetretOUTSAt76$rev.SERetretOUTSAt76, p=0.975, method="historical")
SERE	77	105	1901	2018-11-16	2018-11-16	SERetretOUTSAt77<-ln(SERExaprx[105:1901]/lead(SERExaprx[105:1901], 1))[1:1796]	datSERetretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SERetretOUTSAt77))	SERESSHIt77<-ES(datSERetretOUTSAt77$rev.SERetretOUTSAt77, p=0.975, method="historical")
SERE	78	104	1900	2018-11-17	2018-11-17	SERetretOUTSAt78<-ln(SERExaprx[104:1900]/lead(SERExaprx[104:1900], 1))[1:1796]	datSERetretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SERetretOUTSAt78))	SERESSHIt78<-ES(datSERetretOUTSAt78$rev.SERetretOUTSAt78, p=0.975, method="historical")
SERE	79	103	1899	2018-11-18	2018-11-18	SERetretOUTSAt79<-ln(SERExaprx[103:1899]/lead(SERExaprx[103:1899], 1))[1:1796]	datSERetretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SERetretOUTSAt79))	SERESSHIt79<-ES(datSERetretOUTSAt79$rev.SERetretOUTSAt79, p=0.975, method="historical")
SERE	80	102	1898	2018-11-19	2018-11-19	SERetretOUTSAt80<-ln(SERExaprx[102:1898]/lead(SERExaprx[102:1898], 1))[1:1796]	datSERetretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SERetretOUTSAt80))	SERESSHIt80<-ES(datSERetretOUTSAt80$rev.SERetretOUTSAt80, p=0.975, method="historical")
SERE	81	101	1897	2018-11-20	2018-11-20	SERetretOUTSAt81<-ln(SERExaprx[101:1897]/lead(SERExaprx[101:1897], 1))[1:1796]	datSERetretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SERetretOUTSAt81))	SERESSHIt81<-ES(datSERetretOUTSAt81$rev.SERetretOUTSAt81, p=0.975, method="historical")
SERE	82	100	1896	2018-11-21	2018-11-21	SERetretOUTSAt82<-ln(SERExaprx[100:1896]/lead(SERExaprx[100:1896], 1))[1:1796]	datSERetretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SERetretOUTSAt82))	SERESSHIt82<-ES(datSERetretOUTSAt82$rev.SERetretOUTSAt82, p=0.975, method="historical")
SERE	83	99	1895	2018-11-22	2018-11-22	SERetretOUTSAt83<-ln(SERExaprx[99:1895]/lead(SERExaprx[99:1895], 1))[1:1796]	datSERetretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SERetretOUTSAt83))	SERESSHIt83<-ES(datSERetretOUTSAt83$rev.SERetretOUTSAt83, p=0.975, method="historical")
SERE	84	98	1894	2018-11-23	2018-11-23	SERetretOUTSAt84<-ln(SERExaprx[98:1894]/lead(SERExaprx[98:1894], 1))[1:1796]	datSERetretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SERetretOUTSAt84))	SERESSHIt84<-ES(datSERetretOUTSAt84$rev.SERetretOUTSAt84, p=0.975, method="historical")
SERE	85	97	1893	2018-11-24	2018-11-24	SERetretOUTSAt85<-ln(SERExaprx[97:1893]/lead(SERExaprx[97:1893], 1))[1:1796]	datSERetretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SERetretOUTSAt85))	SERESSHIt85<-ES(datSERetretOUTSAt85$rev.SERetretOUTSAt85, p=0.975, method="historical")
SERE	86	96	1892	2018-11-25	2018-11-25	SERetretOUTSAt86<-ln(SERExaprx[96:1892]/lead(SERExaprx[96:1892], 1))[1:1796]	datSERetretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SERetretOUTSAt86))	SERESSHIt86<-ES(datSERetretOUTSAt86$rev.SERetretOUTSAt86, p=0.975, method="historical")
SERE	87	95	1891	2018-11-26	2018-11-26	SERetretOUTSAt87<-ln(SERExaprx[95:1891]/lead(SERExaprx[95:1891], 1))[1:1796]	datSERetretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SERetretOUTSAt87))	SERESSHIt87<-ES(datSERetretOUTSAt87$rev.SERetretOUTSAt87, p=0.975, method="historical")
SERE	88	94	1890	2018-11-27	2018-11-27	SERetretOUTSAt88<-ln(SERExaprx[94:1890]/lead(SERExaprx[94:1890], 1))[1:1796]	datSERetretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SERetretOUTSAt88))	SERESSHIt88<-ES(datSERetretOUTSAt88$rev.SERetretOUTSAt88, p=0.975, method="historical")
SERE	89	93	1889	2018-11-28	2018-11-28	SERetretOUTSAt89<-ln(SERExaprx[93:1889]/lead(SERExaprx[93:1889], 1))[1:1796]	datSERetretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SERetretOUTSAt89))	SERESSHIt89<-ES(datSERetretOUTSAt89$rev.SERetretOUTSAt89, p=0.975, method="historical")
SERE	90	92	1888	2018-11-29	2018-11-29	SERetretOUTSAt90<-ln(SERExaprx[92:1888]/lead(SERExaprx[92:1888], 1))[1:1796]	datSERetretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SERetretOUTSAt90))	SERESSHIt90<-ES(datSERetretOUTSAt90$rev.SERetretOUTSAt90, p=0.975, method="historical")
SERE	91	91	1887	2018-11-30	2018-11-30	SERetretOUTSAt91<-ln(SERExaprx[91:1887]/lead(SERExaprx[91:1887], 1))[1:1796]	datSERetretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SERetretOUTSAt91))	SERESSHIt91<-ES(datSERetretOUTSAt91$rev.SERetretOUTSAt91, p=0.975, method="historical")
SERE	90	1886	2018-12-01	2018-12-01	SERetretOUTSAt92<-ln(SERExaprx[90:1886]/lead(SERExaprx[90:1886], 1))[1:1796]	datSERetretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SERetretOUTSAt92))	SERESSHIt92<-ES(datSERetretOUTSAt92$rev.SERetretOUTSAt92, p=0.975, method="historical")
SERE	93	89	1885	2018-12-02	2018-12-02	SERetretOUTSAt93<-ln(SERExaprx[89:1885]/lead(SERExaprx[89:1885], 1))[1:1796]	datSERetretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SERetretOUTSAt93))	SERESSHIt93<-ES(datSERetretOUTSAt93$rev.SERetretOUTSAt93, p=0.975, method="historical")
SERE	94	88	1884	2018-12-03	2018-12-03	SERetretOUTSAt94<-ln(SERExaprx[88:1884]/lead(SERExaprx[88:1884], 1))[1:1796]	datSERetretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SERetretOUTSAt94))	SERESSHIt94<-ES(datSERetretOUTSAt94$rev.SERetretOUTSAt94, p=0.975, method="historical")
SERE	95	87	1883	2018-12-04	2018-12-04	SERetretOUTSAt95<-ln(SERExaprx[87:1883]/lead(SERExaprx[87:1883], 1))[1:1796]	datSERetretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SERetretOUTSAt95))	SERESSHIt95<-ES(datSERetretOUTSAt95$rev.SERetretOUTSAt95, p=0.975, method="historical")
SERE	96	86	1882	2018-12-05	2018-12-05	SERetretOUTSAt96<-ln(SERExaprx[86:1882]/lead(SERExaprx[86:1882], 1))[1:1796]	datSERetretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SERetretOUTSAt96))	SERESSHIt96<-ES(datSERetretOUTSAt96$rev.SERetretOUTSAt96, p=0.975, method="historical")
SERE	97	85	1881	2018-12-06	2018-12-06	SERetretOUTSAt97<-ln(SERExaprx[85:1881]/lead(SERExaprx[85:1881], 1))[1:1796]	datSERetretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SERetretOUTSAt97))	SERESSHIt97<-ES(datSERetretOUTSAt97$rev.SERetretOUTSAt97, p=0.975, method="historical")
SERE	98	84	1880	2018-12-07	2018-12-07	SERetretOUTSAt98<-ln(SERExaprx[84:1880]/lead(SERExaprx[84:1880], 1))[1:1796]	datSERetretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SERetretOUTSAt98))	SERESSHIt98<-ES(datSERetretOUTSAt98$rev.SERetretOUTSAt98, p=0.975, method="historical")
SERE	99	83	1879	2018-12-08	2018-12-08	SERetretOUTSAt99<-ln(SERExaprx[83:1879]/lead(SERExaprx[83:1879], 1))[1:1796]	datSERetretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SERetretOUTSAt99))	SERESSHIt99<-ES(datSERetretOUTSAt99$rev.SERetretOUTSAt99, p=0.975, method="historical")
SERE	100	82	1878	2018-12-09	2018-12-09	SERetretOUTSAt100<-ln(SERExaprx[82:1878]/lead(SERExaprx[82:1878], 1))[1:1796]	datSERetretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SERetretOUTSAt100))	SERESSHIt100<-ES(datSERetretOUTSAt100$rev.SERetretOUTSAt100, p=0.975, method="historical")
SERE	101	81	1877	2018-12-10	2018-12-10	SERetretOUTSAt101<-ln(SERExaprx[81:1877]/lead(SERExaprx[81:1877], 1))[1:1796]	datSERetretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SERetretOUTSAt101))	SERESSHIt101<-ES(datSERetretOUTSAt101$rev.SERetretOUTSAt101, p=0.975, method="historical")
SERE	102	80	1876	2018-12-11	2018-12-11	SERetretOUTSAt102<-ln(SERExaprx[80:1876]/lead(SERExaprx[80:1876], 1))[1:1796]	datSERetretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SERetretOUTSAt102))	SERESSHIt102<-ES(datSERetretOUTSAt102$rev.SERetretOUTSAt102, p=0.975, method="historical")
SERE	103	79	1875	2018-12-12	2018-12-12	SERetretOUTSAt103<-ln(SERExaprx[79:1875]/lead(SERExaprx[79:1875], 1))[1:1796]	datSERetretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SERetretOUTSAt103))	SERESSHIt103<-ES(datSERetretOUTSAt103$rev.SERetretOUTSAt103, p=0.975, method="historical")
SERE	104	78	1874	2018-12-13	2018-12-13	SERetretOUTSAt104<-ln(SERExaprx[78:1874]/lead(SERExaprx[78:1874], 1))[1:1796]	datSERetretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SERetretOUTSAt104))	SERESSHIt104<-ES(datSERetretOUTSAt104$rev.SERetretOUTSAt104, p=0.975, method="historical")
SERE	105	77	1873	2018-12-14	2018-12-14	SERetretOUTSAt105<-ln(SERExaprx[77:1873]/lead(SERExaprx[77:1873], 1))[1:1796]	datSERetretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SERetretOUTSAt105))	SERESSHIt105<-ES(datSERetretOUTSAt105$rev.SERetretOUTSAt105, p=0.975, method="historical")
SERE	106	76	1872	2018-12-15	2018-12-15	SERetretOUTSAt106<-ln(SERExaprx[76:1872]/lead(SERExaprx[76:1872], 1))[1:1796]	datSERetretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SERetretOUTSAt106))	SERESSHIt106<-ES(datSERetretOUTSAt106$rev.SERetretOUTSAt106, p=0.975, method="historical")
SERE	107	75	1871	2018-12-16	2018-12-16	SERetretOUTSAt107<-ln(SERExaprx[75:1871]/lead(SERExaprx[75:1871], 1))[1:1796]	datSERetretOUTSAt107<- data.frame(Date = seq(as.Date("

SERE	163	19	1815	2019-02-10	2019-02-10	SERE retOUTSAt163<- ln(SERE apr x[19:1815] / lead(SERE apr x[19:1815] , 1))[1:1796]	datSERE retOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SERE retOUTSAt163))	SERE ESHit163<-ES(datSERE retOUTSAt163$rev.SERE retOUTSAt163, p=0.975, method="historical")
SERE	164	18	1814	2019-02-11	2019-02-11	SERE retOUTSAt164<- ln(SERE apr x[18:1814] / lead(SERE apr x[18:1814] , 1))[1:1796]	datSERE retOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SERE retOUTSAt164))	SERE ESHit164<-ES(datSERE retOUTSAt164$rev.SERE retOUTSAt164, p=0.975, method="historical")
SERE	165	17	1813	2019-02-12	2019-02-12	SERE retOUTSAt165<- ln(SERE apr x[17:1813] / lead(SERE apr x[17:1813] , 1))[1:1796]	datSERE retOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SERE retOUTSAt165))	SERE ESHit165<-ES(datSERE retOUTSAt165$rev.SERE retOUTSAt165, p=0.975, method="historical")
SERE	166	16	1812	2019-02-13	2019-02-13	SERE retOUTSAt166<- ln(SERE apr x[16:1812] / lead(SERE apr x[16:1812] , 1))[1:1796]	datSERE retOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SERE retOUTSAt166))	SERE ESHit166<-ES(datSERE retOUTSAt166$rev.SERE retOUTSAt166, p=0.975, method="historical")
SERE	167	15	1811	2019-02-14	2019-02-14	SERE retOUTSAt167<- ln(SERE apr x[15:1811] / lead(SERE apr x[15:1811] , 1))[1:1796]	datSERE retOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SERE retOUTSAt167))	SERE ESHit167<-ES(datSERE retOUTSAt167$rev.SERE retOUTSAt167, p=0.975, method="historical")
SERE	168	14	1810	2019-02-15	2019-02-15	SERE retOUTSAt168<- ln(SERE apr x[14:1810] / lead(SERE apr x[14:1810] , 1))[1:1796]	datSERE retOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SERE retOUTSAt168))	SERE ESHit168<-ES(datSERE retOUTSAt168$rev.SERE retOUTSAt168, p=0.975, method="historical")
SERE	169	13	1809	2019-02-16	2019-02-16	SERE retOUTSAt169<- ln(SERE apr x[13:1809] / lead(SERE apr x[13:1809] , 1))[1:1796]	datSERE retOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SERE retOUTSAt169))	SERE ESHit169<-ES(datSERE retOUTSAt169$rev.SERE retOUTSAt169, p=0.975, method="historical")
SERE	170	12	1808	2019-02-17	2019-02-17	SERE retOUTSAt170<- ln(SERE apr x[12:1808] / lead(SERE apr x[12:1808] , 1))[1:1796]	datSERE retOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SERE retOUTSAt170))	SERE ESHit170<-ES(datSERE retOUTSAt170$rev.SERE retOUTSAt170, p=0.975, method="historical")
SERE	171	11	1807	2019-02-18	2019-02-18	SERE retOUTSAt171<- ln(SERE apr x[11:1807] / lead(SERE apr x[11:1807] , 1))[1:1796]	datSERE retOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SERE retOUTSAt171))	SERE ESHit171<-ES(datSERE retOUTSAt171$rev.SERE retOUTSAt171, p=0.975, method="historical")
SERE	172	10	1806	2019-02-19	2019-02-19	SERE retOUTSAt172<- ln(SERE apr x[10:1806] / lead(SERE apr x[10:1806] , 1))[1:1796]	datSERE retOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SERE retOUTSAt172))	SERE ESHit172<-ES(datSERE retOUTSAt172$rev.SERE retOUTSAt172, p=0.975, method="historical")
SERE	173	9	1805	2019-02-20	2019-02-20	SERE retOUTSAt173<- ln(SERE apr x[9:1805] / lead(SERE apr x[9:1805] , 1))[1:1796]	datSERE retOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SERE retOUTSAt173))	SERE ESHit173<-ES(datSERE retOUTSAt173$rev.SERE retOUTSAt173, p=0.975, method="historical")
SERE	174	8	1804	2019-02-21	2019-02-21	SERE retOUTSAt174<- ln(SERE apr x[8:1804] / lead(SERE apr x[8:1804] , 1))[1:1796]	datSERE retOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SERE retOUTSAt174))	SERE ESHit174<-ES(datSERE retOUTSAt174$rev.SERE retOUTSAt174, p=0.975, method="historical")
SERE	175	7	1803	2019-02-22	2019-02-22	SERE retOUTSAt175<- ln(SERE apr x[7:1803] / lead(SERE apr x[7:1803] , 1))[1:1796]	datSERE retOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SERE retOUTSAt175))	SERE ESHit175<-ES(datSERE retOUTSAt175$rev.SERE retOUTSAt175, p=0.975, method="historical")
SERE	176	6	1802	2019-02-23	2019-02-23	SERE retOUTSAt176<- ln(SERE apr x[6:1802] / lead(SERE apr x[6:1802] , 1))[1:1796]	datSERE retOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SERE retOUTSAt176))	SERE ESHit176<-ES(datSERE retOUTSAt176$rev.SERE retOUTSAt176, p=0.975, method="historical")
SERE	177	5	1801	2019-02-24	2019-02-24	SERE retOUTSAt177<- ln(SERE apr x[5:1801] / lead(SERE apr x[5:1801] , 1))[1:1796]	datSERE retOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SERE retOUTSAt177))	SERE ESHit177<-ES(datSERE retOUTSAt177$rev.SERE retOUTSAt177, p=0.975, method="historical")
SERE	178	4	1800	2019-02-25	2019-02-25	SERE retOUTSAt178<- ln(SERE apr x[4:1800] / lead(SERE apr x[4:1800] , 1))[1:1796]	datSERE retOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SERE retOUTSAt178))	SERE ESHit178<-ES(datSERE retOUTSAt178$rev.SERE retOUTSAt178, p=0.975, method="historical")
SERE	179	3	1799	2019-02-26	2019-02-26	SERE retOUTSAt179<- ln(SERE apr x[3:1799] / lead(SERE apr x[3:1799] , 1))[1:1796]	datSERE retOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SERE retOUTSAt179))	SERE ESHit179<-ES(datSERE retOUTSAt179$rev.SERE retOUTSAt179, p=0.975, method="historical")
SERE	180	2	1798	2019-02-27	2019-02-27	SERE retOUTSAt180<- ln(SERE apr x[2:1798] / lead(SERE apr x[2:1798] , 1))[1:1796]	datSERE retOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SERE retOUTSAt180))	SERE ESHit180<-ES(datSERE retOUTSAt180$rev.SERE retOUTSAt180, p=0.975, method="historical")
SERE	181	1	1797	2019-02-28	2019-02-28	SERE retOUTSAt181<- ln(SERE apr x[1:1797] / lead(SERE apr x[1:1797] , 1))[1:1796]	datSERE retOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SERE retOUTSAt181))	SERE ESHit181<-ES(datSERE retOUTSAt181$rev.SERE retOUTSAt181, p=0.975, method="historical")
SEAE								
SEAE	1	181	1977	2018-09-01	2018-09-01	SEAE retOUTSAt1<- ln(SEAE apr x[181:1977] / lead(SEAE apr x[181:1977] , 1))[1:1796]	datSEAE retOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEAE retOUTSAt1))	SEAE SHit1<-ES(datSEAE retOUTSAt1$rev.SEAE retOUTSAt1, p=0.975, method="historical")
SEAE	2	180	1976	2018-09-02	2018-09-02	SEAE retOUTSAt2<- ln(SEAE apr x[180:1976] / lead(SEAE apr x[180:1976] , 1))[1:1796]	datSEAE retOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEAE retOUTSAt2))	SEAE SHit2<-ES(datSEAE retOUTSAt2$rev.SEAE retOUTSAt2, p=0.975, method="historical")
SEAE	3	179	1975	2018-09-03	2018-09-03	SEAE retOUTSAt3<- ln(SEAE apr x[179:1975] / lead(SEAE apr x[179:1975] , 1))[1:1796]	datSEAE retOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEAE retOUTSAt3))	SEAE SHit3<-ES(datSEAE retOUTSAt3$rev.SEAE retOUTSAt3, p=0.975, method="historical")
SEAE	4	178	1974	2018-09-04	2018-09-04	SEAE retOUTSAt4<- ln(SEAE apr x[178:1974] / lead(SEAE apr x[178:1974] , 1))[1:1796]	datSEAE retOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEAE retOUTSAt4))	SEAE SHit4<-ES(datSEAE retOUTSAt4$rev.SEAE retOUTSAt4, p=0.975, method="historical")
SEAE	5	177	1973	2018-09-05	2018-09-05	SEAE retOUTSAt5<- ln(SEAE apr x[177:1973] / lead(SEAE apr x[177:1973] , 1))[1:1796]	datSEAE retOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEAE retOUTSAt5))	SEAE SHit5<-ES(datSEAE retOUTSAt5$rev.SEAE retOUTSAt5, p=0.975, method="historical")
SEAE	6	176	1972	2018-09-06	2018-09-06	SEAE retOUTSAt6<- ln(SEAE apr x[176:1972] / lead(SEAE apr x[176:1972] , 1))[1:1796]	datSEAE retOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEAE retOUTSAt6))	SEAE SHit6<-ES(datSEAE retOUTSAt6$rev.SEAE retOUTSAt6, p=0.975, method="historical")
SEAE	7	175	1971	2018-09-07	2018-09-07	SEAE retOUTSAt7<- ln(SEAE apr x[175:1971] / lead(SEAE apr x[175:1971] , 1))[1:1796]	datSEAE retOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEAE retOUTSAt7))	SEAE SHit7<-ES(datSEAE retOUTSAt7$rev.SEAE retOUTSAt7, p=0.975, method="historical")
SEAE	8	174	1970	2018-09-08	2018-09-08	SEAE retOUTSAt8<- ln(SEAE apr x[174:1970] / lead(SEAE apr x[174:1970] , 1))[1:1796]	datSEAE retOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEAE retOUTSAt8))	SEAE SHit8<-ES(datSEAE retOUTSAt8$rev.SEAE retOUTSAt8, p=0.975, method="historical")
SEAE	9	173	1969	2018-09-09	2018-09-09	SEAE retOUTSAt9<- ln(SEAE apr x[173:1969] / lead(SEAE apr x[173:1969] , 1))[1:1796]	datSEAE retOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEAE retOUTSAt9))	SEAE SHit9<-ES(datSEAE retOUTSAt9$rev.SEAE retOUTSAt9, p=0.975, method="historical")
SEAE	10	172	1968	2018-09-10	2018-09-10	SEAE retOUTSAt10<- ln(SEAE apr x[172:1968] / lead(SEAE apr x[172:1968] , 1))[1:1796]	datSEAE retOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEAE retOUTSAt10))	SEAE SHit10<-ES(datSEAE retOUTSAt10$rev.SEAE retOUTSAt10, p=0.975, method="historical")
SEAE	11	171	1967	2018-09-11	2018-09-11	SEAE retOUTSAt11<- ln(SEAE apr x[171:1967] / lead(SEAE apr x[171:1967] , 1))[1:1796]	datSEAE retOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEAE retOUTSAt11))	SEAE SHit11<-ES(datSEAE retOUTSAt11$rev.SEAE retOUTSAt11, p=0.975, method="historical")
SEAE	12	170	1966	2018-09-12	2018-09-12	SEAE retOUTSAt12<- ln(SEAE apr x[170:1966] / lead(SEAE apr x[170:1966] , 1))[1:1796]	datSEAE retOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEAE retOUTSAt12))	SEAE SHit12<-ES(datSEAE retOUTSAt12$rev.SEAE retOUTSAt12, p=0.975, method="historical")
SEAE	13	169	1965	2018-09-13	2018-09-13	SEAE retOUTSAt13<- ln(SEAE apr x[169:1965] / lead(SEAE apr x[169:1965] , 1))[1:1796]	datSEAE retOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEAE retOUTSAt13))	SEAE SHit13<-ES(datSEAE retOUTSAt13$rev.SEAE retOUTSAt13, p=0.975, method="historical")
SEAE	14	168	1964	2018-09-14	2018-09-14	SEAE retOUTSAt14<- ln(SEAE apr x[168:1964] / lead(SEAE apr x[168:1964] , 1))[1:1796]	datSEAE retOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEAE retOUTSAt14))	SEAE SHit14<-ES(datSEAE retOUTSAt14$rev.SEAE retOUTSAt14, p=0.975, method="historical")
SEAE	15	167	1963	2018-09-15	2018-09-15	SEAE retOUTSAt15<- ln(SEAE apr x[167:1963] / lead(SEAE apr x[167:1963] , 1))[1:1796]	datSEAE retOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEAE retOUTSAt15))	SEAE SHit15<-ES(datSEAE retOUTSAt15$rev.SEAE retOUTSAt15, p=0.975, method="historical")
SEAE	16	166	1962	2018-09-16	2018-09-16	SEAE retOUTSAt16<- ln(SEAE apr x[166:1962] / lead(SEAE apr x[166:1962] , 1))[1:1796]	datSEAE retOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEAE retOUTSAt16))	SEAE SHit16<-ES(datSEAE retOUTSAt16$rev.SEAE retOUTSAt16, p=0.975, method="historical")
SEAE	17	165	1961	2018-09-17	2018-09-17	SEAE retOUTSAt17<- ln(SEAE apr x[165:1961] / lead(SEAE apr x[165:1961] , 1))[1:1796]	datSEAE retOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEAE retOUTSAt17))	SEAE SHit17<-ES(datSEAE retOUTSAt17$rev.SEAE retOUTSAt17, p=0.975, method="historical")
SEAE	18	164	1960	2018-09-18	2018-09-18	SEAE retOUTSAt18<- ln(SEAE apr x[164:1960] / lead(SEAE apr x[164:1960] , 1))[1:1796]	datSEAE retOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEAE retOUTSAt18))	SEAE SHit18<-ES(datSEAE retOUTSAt18$rev.SEAE retOUTSAt18, p=0.975, method="historical")
SEAE	19	163	1959	2018-09-19	2018-09-19	SEAE retOUTSAt19<- ln(SEAE apr x[163:1959] / lead(SEAE apr x[163:1959] , 1))[1:1796]	datSEAE retOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEAE retOUTSAt19))	SEAE SHit19<-ES(datSEAE retOUTSAt19$rev.SEAE retOUTSAt19, p=0.975, method="historical")
SEAE	20	162	1958	2018-09-20	2018-09-20	SEAE retOUTSAt20<- ln(SEAE apr x[162:1958] / lead(SEAE apr x[162:1958] , 1))[1:1796]	datSEAE retOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEAE retOUTSAt20))	SEAE SHit20<-ES(datSEAE retOUTSAt20$rev.SEAE retOUTSAt20, p=0.975, method="historical")
SEAE	21	161	1957	2018-09-21	2018-09-21	SEAE retOUTSAt21<- ln(SEAE apr x[161:1957] / lead(SEAE apr x[161:1957] , 1))[1:1796]	datSEAE retOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SEAE retOUTSAt21))	SEAE SHit21<-ES(datSEAE retOUTSAt21$rev.SEAE retOUTSAt21, p=0.975, method="historical")
SEAE	22	160	1956	2018-09-22	2018-09-22	SEAE retOUTSAt22<- ln(SEAE apr x[160:1956] / lead(SEAE apr x[160:1956] , 1))[1:1796]	datSEAE retOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEAE retOUTSAt22))	SEAE SHit22<-ES(datSEAE retOUTSAt22$rev.SEAE retOUTSAt22, p=0.975, method="historical")
SEAE	23	159	1955	2018-09-23	2018-09-23	SEAE retOUTSAt23<- ln(SEAE apr x[159:1955] / lead(SEAE apr x[159:1955] , 1))[1:1796]	datSEAE retOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEAE retOUTSAt23))	SEAE SHit23<-ES(datSEAE retOUTSAt23$rev.SEAE retOUTSAt23, p=0.975, method="historical")
SEAE	24	158	1954	2018-09-24	2018-09-24	SEAE retOUTSAt24<- ln(SEAE apr x[158:1954] / lead(SEAE apr x[158:1954] , 1))[1:1796]	datSEAE retOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEAE retOUTSAt24))	SEAE SHit24<-ES(datSEAE retOUTSAt24$rev.SEAE retOUTSAt24, p=0.975, method="historical")
SEAE	25	157	1953	2018-09-25	2018-09-25	SEAE retOUTSAt25<- ln(SEAE apr x[157:1953] / lead(SEAE apr x[157:1953] , 1))[1:1796]	datSEAE retOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEAE retOUTSAt25))	SEAE SHit25<-ES(datSEAE retOUTSAt25$rev.SEAE retOUTSAt25, p=0.975, method="historical")
SEAE	26	156	1952	2018-09-26	2018-09-26	SEAE retOUTSAt26<- ln(SEAE apr x[156:1952] / lead(SEAE apr x[156:1952] , 1))[1:1796]	datSEAE retOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEAE retOUTSAt26))	SEAE SHit26<-ES(datSEAE retOUTSAt26$rev.SEAE retOUTSAt26, p=0.975, method="historical")
SEAE	27	155	1951	2018-09-27	2018-09-27	SEAE retOUTSAt27<- ln(SEAE apr x[155:1951] / lead(SEAE apr x[155:1951] , 1))[1:1796]	datSEAE retOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEAE retOUTSAt27))	SEAE SHit27<-ES(datSEAE retOUTSAt27$rev.SEAE retOUTSAt27, p=0.975, method="historical")
SEAE	28	154	1950	2018-09-28	2018-09-28	SEAE retOUTSAt28<- ln(SEAE apr x[154:1950] / lead(SEAE apr x[154:1950] , 1))[1:1796]	datSEAE retOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEAE retOUTSAt28))	SEAE SHit28<-ES(datSEAE retOUTSAt28$rev.SEAE retOUTSAt28, p=0.975, method="historical")
SEAE	29	153	1949	2018-09-29	2018-09-29	SEAE retOUTSAt29<- ln(SEAE apr x[153:1949] / lead(SEAE apr x[153:1949] , 1))[1:1796]	datSEAE retOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEAE retOUTSAt29))	SEAE SHit29<-ES(datSEAE retOUTSAt29$rev.SEAE retOUTSAt29, p=0.975, method="historical")
SEAE	30	152	1948	2018-09-30	2018-09-30	SEAE retOUTSAt30<- ln(SEAE apr x[152:1948] / lead(SEAE apr x[152:1948] , 1))[1:1796]	datSEAE retOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEAE retOUTSAt30))	SEAE SHit30<-ES(datSEAE retOUTSAt30$rev.SEAE retOUTSAt30, p=0.975, method="historical")
SEAE	31	151	1947	2018-10-01	2018-10-01	SEAE retOUTSAt31<- ln(SEAE apr x[151:1947] / lead(SEAE apr x[151:1947] , 1))[1:1796]	datSEAE retOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEAE retOUTSAt31))	SEAE SHit31<-ES(datSEAE retOUTSAt31$rev.SEAE retOUTSAt31, p=0.975, method="historical")
SEAE	32	150	1946	2018-10-02	2018-10-02	SEAE retOUTSAt32<- ln(SEAE apr x[150:1946] / lead(SEAE apr x[150:1946] , 1))[1:1796]	datSEAE retOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEAE retOUTSAt32))	SEAE SHit32<-ES(datSEAE retOUTSAt32$rev.SEAE retOUTSAt32, p=0.975, method="historical")
SEAE	33	149	1945	2018-10-03	2018-10-03	SEAE retOUTSAt33<- ln(SEAE apr x[149:1945] / lead(SEAE apr x[149:1945] , 1))[1:1796]	datSEAE retOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEAE retOUTSAt33))	SEAE SHit33<-ES(datSEAE retOUTSAt33$rev.SEAE retOUTSAt33, p=0.975, method="historical")
SEAE	34	148	1944	2018-10-04	2018-10-04	SEAE retOUTSAt34<- ln(SEAE apr x[148:1944] / lead(SEAE apr x[148:1944] , 1))[1:1796]	datSEAE retOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEAE retOUTSAt34))	SEAE SHit34<-ES(datSEAE retOUTSAt34$rev.SEAE retOUTSAt34, p=0.975, method="historical")
SEAE	35	147	1943	2018-10-05	2018-10-05	SEAE retOUTSAt35<- ln(SEAE apr x[147:1943] / lead(SEAE apr x[147:1943] , 1))[1:1796]	datSEAE retOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEAE retOUTSAt35))	SEAE SHit35<-ES(datSEAE retOUTSAt35$rev.SEAE retOUTSAt35, p=0.975, method="historical")
SEAE	36	146	1942	2018-10-06	2018-10-06	SEAE retOUTSAt36<- ln(SEAE apr x[146:1942] / lead(SEAE apr x[146:1942] , 1))[1:1796]	datSEAE retOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEAE retOUTSAt36))	SEAE SHit36<-ES(datSEAE retOUTSAt36$rev.SEAE retOUTSAt36, p=0.975, method="historical")
SEAE	37	145	1941	2018-10-07	2018-10-07	SEAE retOUTSAt37<- ln(SEAE apr x[145:1941] / lead(SEAE apr x[145:1941] , 1))[1:1796]	datSEAE retOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEAE retOUTSAt37))	SEAE SHit37<-ES(datSEAE retOUTSAt37$rev.SEAE retOUTSAt37, p=0.975, method="historical")
SEAE	38	144	1940	2018-10-08	2018-10-08	SEAE retOUTSAt38<- ln(SEAE apr x[144:1940] / lead(SEAE apr x[144:1940] , 1))[1:1796]	datSEAE retOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEAE retOUTSAt38))	SEAE SHit38<-ES(datSEAE retOUTSAt38$rev.SEAE retOUTSAt38, p=0.975, method="historical")
SEAE	39	143	1939	2018-10-09	2018-10-09	SEAE retOUTSAt39<- ln(SEAE apr x[143:1939] / lead(SEAE apr x[143:1939] , 1))[1:1796]	datSEAE retOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEAE retOUTSAt39))	SEAE SHit39<-ES(datSEAE retOUTSAt39$rev.SEAE retOUTSAt39, p=0.975, method="historical")
SEAE	40	142	1938	2018-10-10	2018-10-10	SEAE retOUTSAt40<- ln(SEAE apr x[142:1938] / lead(SEAE apr x[142:1938] , 1))[1:1796]	datSEAE retOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEAE retOUTSAt40))	SEAE SHit40<-ES(datSEAE retOUTSAt40$rev.SEAE retOUTSAt40, p=0.975, method="historical")
SEAE	41	141	1937	2018-10-11	2018-10-11	SEAE retOUTSAt41<- ln(SEAE apr x[141:1937] / lead(SEAE apr x[141:1937] , 1))[1:1796]	datSEAE retOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEAE retOUTSAt41))	SEAE SHit41<-ES(datSEAE retOUTSAt41$rev.SEAE retOUTSAt41, p=0.975, method="historical")
SEAE	42	140	1936	2018-10-12	2018-10-12	SEAE retOUTSAt42<- ln(SEAE apr x[140:1936] / lead(SEAE apr x[140:1936] , 1))[1:1796]	datSEAE retOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEAE retOUTSAt42))	SEAE SHit42<-ES(datSEAE retOUTSAt42$rev.SEAE retOUTSAt42, p=0.975, method="historical")
SEAE	43	139	1935	2018-10-13	2018-10-13	SEAE retOUTSAt43<- ln(SEAE apr x[139:1935] / lead(SEAE apr x[139:1935] , 1))[1:1796]	datSEAE retOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEAE retOUTSAt43))	SEAE SHit43<-ES(datSEAE retOUTSAt43$rev.SEAE retOUTSAt43, p=0.975, method="historical")
SEAE	44	138	1934	2018-10-14	2018-10-14	SEAE retOUTSAt44<- ln(SEAE apr x[138:1934] / lead(SEAE apr x[138:1934] , 1))[1:1796]	datSEAE retOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEAE retOUTSAt44))	SEAE SHit44<-ES(datSEAE retOUTSAt44$rev.SEAE retOUTSAt44, p=0.975, method="historical")
SEAE	45	137	1933	2018-10-15	2018-10-15	SEAE retOUTSAt45<- ln(SEAE apr x[137:1933] / lead(SEAE apr x[137:1933] , 1))[1:1796]	datSEAE retOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEAE retOUTSAt45))	SEAE SHit45<-ES(datSEAE retOUTSAt45$rev.SEAE retOUTSAt45, p=0.975, method="historical")
SEAE	46	136	1932	2018-10-16	2018-10-16	SEAE retOUTSAt46<- ln(SEAE apr x[136:1932] / lead(SEAE apr x[136:1932] , 1))[1:1796]	datSEAE retOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEAE retOUTSAt46))	SEAE SHit46<-ES(datSEAE retOUTSAt46$rev.SEAE retOUTSAt46, p=0.975, method="historical")
SEAE	47	135	1931	2018-10-17	2018-10-17	SEAE retOUTSAt47<- ln(SEAE apr x[135:1931] / lead(SEAE apr x[135:1931] , 1))[1:1796]	datSEAE retOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEAE retOUTSAt47))	SEAE SHit47<-ES(datSEAE retOUTSAt47$rev.SEAE retOUTSAt47, p=0.975, method="historical")
SEAE	48	134	1930	2018-10-18	2018-10-18	SEAE retOUTSAt48<- ln(SEAE apr x[134:1930] / lead(SEAE apr x[134:1930] , 1))[1:1796]	datSEAE retOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEAE retOUTSAt48))	SEAE SHit48<-ES(datSEAE retOUTSAt48$rev.SEAE retOUTSAt48, p=0.975, method="historical")
SEAE	49	133	1929	2018-10-19	2018-10-19	SEAE retOUTSAt49<- ln(SEAE apr x[133:1929] / lead(SEAE apr x[133:1929] , 1))[1:1796]	datSEAE retOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEAE retOUTSAt49))	SEAE SHit49<-ES(datSEAE retOUTSAt49$rev.SEAE retOUTSAt49, p=0.975, method="historical")
SEAE	50	132	1928	2018-10-20	2018-10-20	SEAE retOUTSAt50<- ln(SEAE apr x[132:1928] / lead(SEAE apr x[132:1928] , 1))[1:1796]	datSEAE retOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEAE retOUTSAt50))	SEAE SHit50<-ES(datSEAE retOUTSAt50$rev.SEAE retOUTSAt50, p=0.975, method="historical")
SEAE	51	131	1927	2018-10-21	2018-10-21	SEAE retOUTSAt51<- ln(SEAE apr x[131:1927] / lead(SEAE apr x[131:1927] , 1))[1:1796]	datSEAE retOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEAE retOUTSAt51))	SEAE SHit51<-ES(datSEAE retOUTSAt51$rev.SEAE retOUTSAt51, p=0.975, method="historical")
SEAE	52	130	1926	2018-10-22	2018-10-22	SEAE retOUTSAt52<- ln(SEAE apr x[130:1926] / lead(SEAE apr x[130:1926] , 1))[1:1796]	datSEAE retOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEAE retOUTSAt52))	SEAE SHit52<-ES(datSEAE retOUTSAt52$rev.SEAE retOUTSAt52, p=0.975, method="historical")
SEAE	53	129	1925	2018-10-23	2018-10-23

SEAE	109	73	1869	2018-12-18	2018-12-18	SEAEretOUTSAt109<-ln(SEAEaprx[73:1869]/lead(SEAEaprx[73:1869], 1))[1:1796]	datSEAEretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEAEretOUTSAt109))	SEAEISHIt109<-ES(datSEAEretOUTSAt109$rev.SEAEretOUTSAt109, p=0.975, method="historical")
SEAE	110	72	1868	2018-12-19	2018-12-19	SEAEretOUTSAt110<-ln(SEAEaprx[72:1868]/lead(SEAEaprx[72:1868], 1))[1:1796]	datSEAEretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEAEretOUTSAt110))	SEAEISHIt110<-ES(datSEAEretOUTSAt110$rev.SEAEretOUTSAt110, p=0.975, method="historical")
SEAE	111	71	1867	2018-12-20	2018-12-20	SEAEretOUTSAt111<-ln(SEAEaprx[71:1867]/lead(SEAEaprx[71:1867], 1))[1:1796]	datSEAEretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEAEretOUTSAt111))	SEAEISHIt111<-ES(datSEAEretOUTSAt111$rev.SEAEretOUTSAt111, p=0.975, method="historical")
SEAE	112	70	1866	2018-12-21	2018-12-21	SEAEretOUTSAt112<-ln(SEAEaprx[70:1866]/lead(SEAEaprx[70:1866], 1))[1:1796]	datSEAEretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEAEretOUTSAt112))	SEAEISHIt112<-ES(datSEAEretOUTSAt112$rev.SEAEretOUTSAt112, p=0.975, method="historical")
SEAE	113	69	1865	2018-12-22	2018-12-22	SEAEretOUTSAt113<-ln(SEAEaprx[69:1865]/lead(SEAEaprx[69:1865], 1))[1:1796]	datSEAEretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEAEretOUTSAt113))	SEAEISHIt113<-ES(datSEAEretOUTSAt113$rev.SEAEretOUTSAt113, p=0.975, method="historical")
SEAE	114	68	1864	2018-12-23	2018-12-23	SEAEretOUTSAt114<-ln(SEAEaprx[68:1864]/lead(SEAEaprx[68:1864], 1))[1:1796]	datSEAEretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEAEretOUTSAt114))	SEAEISHIt114<-ES(datSEAEretOUTSAt114$rev.SEAEretOUTSAt114, p=0.975, method="historical")
SEAE	115	67	1863	2018-12-24	2018-12-24	SEAEretOUTSAt115<-ln(SEAEaprx[67:1863]/lead(SEAEaprx[67:1863], 1))[1:1796]	datSEAEretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEAEretOUTSAt115))	SEAEISHIt115<-ES(datSEAEretOUTSAt115$rev.SEAEretOUTSAt115, p=0.975, method="historical")
SEAE	116	66	1862	2018-12-25	2018-12-25	SEAEretOUTSAt116<-ln(SEAEaprx[66:1862]/lead(SEAEaprx[66:1862], 1))[1:1796]	datSEAEretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEAEretOUTSAt116))	SEAEISHIt116<-ES(datSEAEretOUTSAt116$rev.SEAEretOUTSAt116, p=0.975, method="historical")
SEAE	117	65	1861	2018-12-26	2018-12-26	SEAEretOUTSAt117<-ln(SEAEaprx[65:1861]/lead(SEAEaprx[65:1861], 1))[1:1796]	datSEAEretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEAEretOUTSAt117))	SEAEISHIt117<-ES(datSEAEretOUTSAt117$rev.SEAEretOUTSAt117, p=0.975, method="historical")
SEAE	118	64	1860	2018-12-27	2018-12-27	SEAEretOUTSAt118<-ln(SEAEaprx[64:1860]/lead(SEAEaprx[64:1860], 1))[1:1796]	datSEAEretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEAEretOUTSAt118))	SEAEISHIt118<-ES(datSEAEretOUTSAt118$rev.SEAEretOUTSAt118, p=0.975, method="historical")
SEAE	119	63	1859	2018-12-28	2018-12-28	SEAEretOUTSAt119<-ln(SEAEaprx[63:1859]/lead(SEAEaprx[63:1859], 1))[1:1796]	datSEAEretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEAEretOUTSAt119))	SEAEISHIt119<-ES(datSEAEretOUTSAt119$rev.SEAEretOUTSAt119, p=0.975, method="historical")
SEAE	120	62	1858	2018-12-29	2018-12-29	SEAEretOUTSAt120<-ln(SEAEaprx[62:1858]/lead(SEAEaprx[62:1858], 1))[1:1796]	datSEAEretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEAEretOUTSAt120))	SEAEISHIt120<-ES(datSEAEretOUTSAt120$rev.SEAEretOUTSAt120, p=0.975, method="historical")
SEAE	121	61	1857	2018-12-30	2018-12-30	SEAEretOUTSAt121<-ln(SEAEaprx[61:1857]/lead(SEAEaprx[61:1857], 1))[1:1796]	datSEAEretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEAEretOUTSAt121))	SEAEISHIt121<-ES(datSEAEretOUTSAt121$rev.SEAEretOUTSAt121, p=0.975, method="historical")
SEAE	122	60	1856	2018-12-31	2018-12-31	SEAEretOUTSAt122<-ln(SEAEaprx[60:1856]/lead(SEAEaprx[60:1856], 1))[1:1796]	datSEAEretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEAEretOUTSAt122))	SEAEISHIt122<-ES(datSEAEretOUTSAt122$rev.SEAEretOUTSAt122, p=0.975, method="historical")
SEAE	123	59	1855	2019-01-01	2019-01-01	SEAEretOUTSAt123<-ln(SEAEaprx[59:1855]/lead(SEAEaprx[59:1855], 1))[1:1796]	datSEAEretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEAEretOUTSAt123))	SEAEISHIt123<-ES(datSEAEretOUTSAt123$rev.SEAEretOUTSAt123, p=0.975, method="historical")
SEAE	124	58	1854	2019-01-02	2019-01-02	SEAEretOUTSAt124<-ln(SEAEaprx[58:1854]/lead(SEAEaprx[58:1854], 1))[1:1796]	datSEAEretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEAEretOUTSAt124))	SEAEISHIt124<-ES(datSEAEretOUTSAt124$rev.SEAEretOUTSAt124, p=0.975, method="historical")
SEAE	125	57	1853	2019-01-03	2019-01-03	SEAEretOUTSAt125<-ln(SEAEaprx[57:1853]/lead(SEAEaprx[57:1853], 1))[1:1796]	datSEAEretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEAEretOUTSAt125))	SEAEISHIt125<-ES(datSEAEretOUTSAt125$rev.SEAEretOUTSAt125, p=0.975, method="historical")
SEAE	126	56	1852	2019-01-04	2019-01-04	SEAEretOUTSAt126<-ln(SEAEaprx[56:1852]/lead(SEAEaprx[56:1852], 1))[1:1796]	datSEAEretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEAEretOUTSAt126))	SEAEISHIt126<-ES(datSEAEretOUTSAt126$rev.SEAEretOUTSAt126, p=0.975, method="historical")
SEAE	127	55	1851	2019-01-05	2019-01-05	SEAEretOUTSAt127<-ln(SEAEaprx[55:1851]/lead(SEAEaprx[55:1851], 1))[1:1796]	datSEAEretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEAEretOUTSAt127))	SEAEISHIt127<-ES(datSEAEretOUTSAt127$rev.SEAEretOUTSAt127, p=0.975, method="historical")
SEAE	128	54	1850	2019-01-06	2019-01-06	SEAEretOUTSAt128<-ln(SEAEaprx[54:1850]/lead(SEAEaprx[54:1850], 1))[1:1796]	datSEAEretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEAEretOUTSAt128))	SEAEISHIt128<-ES(datSEAEretOUTSAt128$rev.SEAEretOUTSAt128, p=0.975, method="historical")
SEAE	129	53	1849	2019-01-07	2019-01-07	SEAEretOUTSAt129<-ln(SEAEaprx[53:1849]/lead(SEAEaprx[53:1849], 1))[1:1796]	datSEAEretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEAEretOUTSAt129))	SEAEISHIt129<-ES(datSEAEretOUTSAt129$rev.SEAEretOUTSAt129, p=0.975, method="historical")
SEAE	130	52	1848	2019-01-08	2019-01-08	SEAEretOUTSAt130<-ln(SEAEaprx[52:1848]/lead(SEAEaprx[52:1848], 1))[1:1796]	datSEAEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEAEretOUTSAt130))	SEAEISHIt130<-ES(datSEAEretOUTSAt130$rev.SEAEretOUTSAt130, p=0.975, method="historical")
SEAE	131	51	1847	2019-01-09	2019-01-09	SEAEretOUTSAt131<-ln(SEAEaprx[51:1847]/lead(SEAEaprx[51:1847], 1))[1:1796]	datSEAEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEAEretOUTSAt131))	SEAEISHIt131<-ES(datSEAEretOUTSAt131$rev.SEAEretOUTSAt131, p=0.975, method="historical")
SEAE	132	50	1846	2019-01-10	2019-01-10	SEAEretOUTSAt132<-ln(SEAEaprx[50:1846]/lead(SEAEaprx[50:1846], 1))[1:1796]	datSEAEretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEAEretOUTSAt132))	SEAEISHIt132<-ES(datSEAEretOUTSAt132$rev.SEAEretOUTSAt132, p=0.975, method="historical")
SEAE	133	49	1845	2019-01-11	2019-01-11	SEAEretOUTSAt133<-ln(SEAEaprx[49:1845]/lead(SEAEaprx[49:1845], 1))[1:1796]	datSEAEretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEAEretOUTSAt133))	SEAEISHIt133<-ES(datSEAEretOUTSAt133$rev.SEAEretOUTSAt133, p=0.975, method="historical")
SEAE	134	48	1844	2019-01-12	2019-01-12	SEAEretOUTSAt134<-ln(SEAEaprx[48:1844]/lead(SEAEaprx[48:1844], 1))[1:1796]	datSEAEretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEAEretOUTSAt134))	SEAEISHIt134<-ES(datSEAEretOUTSAt134$rev.SEAEretOUTSAt134, p=0.975, method="historical")
SEAE	135	47	1843	2019-01-13	2019-01-13	SEAEretOUTSAt135<-ln(SEAEaprx[47:1843]/lead(SEAEaprx[47:1843], 1))[1:1796]	datSEAEretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEAEretOUTSAt135))	SEAEISHIt135<-ES(datSEAEretOUTSAt135$rev.SEAEretOUTSAt135, p=0.975, method="historical")
SEAE	136	46	1842	2019-01-14	2019-01-14	SEAEretOUTSAt136<-ln(SEAEaprx[46:1842]/lead(SEAEaprx[46:1842], 1))[1:1796]	datSEAEretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEAEretOUTSAt136))	SEAEISHIt136<-ES(datSEAEretOUTSAt136$rev.SEAEretOUTSAt136, p=0.975, method="historical")
SEAE	137	45	1841	2019-01-15	2019-01-15	SEAEretOUTSAt137<-ln(SEAEaprx[45:1841]/lead(SEAEaprx[45:1841], 1))[1:1796]	datSEAEretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEAEretOUTSAt137))	SEAEISHIt137<-ES(datSEAEretOUTSAt137$rev.SEAEretOUTSAt137, p=0.975, method="historical")
SEAE	138	44	1840	2019-01-16	2019-01-16	SEAEretOUTSAt138<-ln(SEAEaprx[44:1840]/lead(SEAEaprx[44:1840], 1))[1:1796]	datSEAEretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEAEretOUTSAt138))	SEAEISHIt138<-ES(datSEAEretOUTSAt138$rev.SEAEretOUTSAt138, p=0.975, method="historical")
SEAE	139	43	1839	2019-01-17	2019-01-17	SEAEretOUTSAt139<-ln(SEAEaprx[43:1839]/lead(SEAEaprx[43:1839], 1))[1:1796]	datSEAEretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEAEretOUTSAt139))	SEAEISHIt139<-ES(datSEAEretOUTSAt139$rev.SEAEretOUTSAt139, p=0.975, method="historical")
SEAE	140	42	1838	2019-01-18	2019-01-18	SEAEretOUTSAt140<-ln(SEAEaprx[42:1838]/lead(SEAEaprx[42:1838], 1))[1:1796]	datSEAEretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEAEretOUTSAt140))	SEAEISHIt140<-ES(datSEAEretOUTSAt140$rev.SEAEretOUTSAt140, p=0.975, method="historical")
SEAE	141	41	1837	2019-01-19	2019-01-19	SEAEretOUTSAt141<-ln(SEAEaprx[41:1837]/lead(SEAEaprx[41:1837], 1))[1:1796]	datSEAEretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEAEretOUTSAt141))	SEAEISHIt141<-ES(datSEAEretOUTSAt141$rev.SEAEretOUTSAt141, p=0.975, method="historical")
SEAE	142	40	1836	2019-01-20	2019-01-20	SEAEretOUTSAt142<-ln(SEAEaprx[40:1836]/lead(SEAEaprx[40:1836], 1))[1:1796]	datSEAEretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEAEretOUTSAt142))	SEAEISHIt142<-ES(datSEAEretOUTSAt142$rev.SEAEretOUTSAt142, p=0.975, method="historical")
SEAE	143	39	1835	2019-01-21	2019-01-21	SEAEretOUTSAt143<-ln(SEAEaprx[39:1835]/lead(SEAEaprx[39:1835], 1))[1:1796]	datSEAEretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEAEretOUTSAt143))	SEAEISHIt143<-ES(datSEAEretOUTSAt143$rev.SEAEretOUTSAt143, p=0.975, method="historical")
SEAE	144	38	1834	2019-01-22	2019-01-22	SEAEretOUTSAt144<-ln(SEAEaprx[38:1834]/lead(SEAEaprx[38:1834], 1))[1:1796]	datSEAEretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEAEretOUTSAt144))	SEAEISHIt144<-ES(datSEAEretOUTSAt144$rev.SEAEretOUTSAt144, p=0.975, method="historical")
SEAE	145	37	1833	2019-01-23	2019-01-23	SEAEretOUTSAt145<-ln(SEAEaprx[37:1833]/lead(SEAEaprx[37:1833], 1))[1:1796]	datSEAEretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEAEretOUTSAt145))	SEAEISHIt145<-ES(datSEAEretOUTSAt145$rev.SEAEretOUTSAt145, p=0.975, method="historical")
SEAE	146	36	1832	2019-01-24	2019-01-24	SEAEretOUTSAt146<-ln(SEAEaprx[36:1832]/lead(SEAEaprx[36:1832], 1))[1:1796]	datSEAEretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SEAEretOUTSAt146))	SEAEISHIt146<-ES(datSEAEretOUTSAt146$rev.SEAEretOUTSAt146, p=0.975, method="historical")
SEAE	147	35	1831	2019-01-25	2019-01-25	SEAEretOUTSAt147<-ln(SEAEaprx[35:1831]/lead(SEAEaprx[35:1831], 1))[1:1796]	datSEAEretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SEAEretOUTSAt147))	SEAEISHIt147<-ES(datSEAEretOUTSAt147$rev.SEAEretOUTSAt147, p=0.975, method="historical")
SEAE	148	34	1830	2019-01-26	2019-01-26	SEAEretOUTSAt148<-ln(SEAEaprx[34:1830]/lead(SEAEaprx[34:1830], 1))[1:1796]	datSEAEretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SEAEretOUTSAt148))	SEAEISHIt148<-ES(datSEAEretOUTSAt148$rev.SEAEretOUTSAt148, p=0.975, method="historical")
SEAE	149	33	1829	2019-01-27	2019-01-27	SEAEretOUTSAt149<-ln(SEAEaprx[33:1829]/lead(SEAEaprx[33:1829], 1))[1:1796]	datSEAEretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SEAEretOUTSAt149))	SEAEISHIt149<-ES(datSEAEretOUTSAt149$rev.SEAEretOUTSAt149, p=0.975, method="historical")
SEAE	150	32	1828	2019-01-28	2019-01-28	SEAEretOUTSAt150<-ln(SEAEaprx[32:1828]/lead(SEAEaprx[32:1828], 1))[1:1796]	datSEAEretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SEAEretOUTSAt150))	SEAEISHIt150<-ES(datSEAEretOUTSAt150$rev.SEAEretOUTSAt150, p=0.975, method="historical")
SEAE	151	31	1827	2019-01-29	2019-01-29	SEAEretOUTSAt151<-ln(SEAEaprx[31:1827]/lead(SEAEaprx[31:1827], 1))[1:1796]	datSEAEretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEAEretOUTSAt151))	SEAEISHIt151<-ES(datSEAEretOUTSAt151$rev.SEAEretOUTSAt151, p=0.975, method="historical")
SEAE	152	30	1826	2019-01-30	2019-01-30	SEAEretOUTSAt152<-ln(SEAEaprx[30:1826]/lead(SEAEaprx[30:1826], 1))[1:1796]	datSEAEretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEAEretOUTSAt152))	SEAEISHIt152<-ES(datSEAEretOUTSAt152$rev.SEAEretOUTSAt152, p=0.975, method="historical")
SEAE	153	29	1825	2019-01-31	2019-01-31	SEAEretOUTSAt153<-ln(SEAEaprx[29:1825]/lead(SEAEaprx[29:1825], 1))[1:1796]	datSEAEretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEAEretOUTSAt153))	SEAEISHIt153<-ES(datSEAEretOUTSAt153$rev.SEAEretOUTSAt153, p=0.975, method="historical")
SEAE	154	28	1824	2019-02-01	2019-02-01	SEAEretOUTSAt154<-ln(SEAEaprx[28:1824]/lead(SEAEaprx[28:1824], 1))[1:1796]	datSEAEretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEAEretOUTSAt154))	SEAEISHIt154<-ES(datSEAEretOUTSAt154$rev.SEAEretOUTSAt154, p=0.975, method="historical")
SEAE	155	27	1823	2019-02-02	2019-02-02	SEAEretOUTSAt155<-ln(SEAEaprx[27:1823]/lead(SEAEaprx[27:1823], 1))[1:1796]	datSEAEretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEAEretOUTSAt155))	SEAEISHIt155<-ES(datSEAEretOUTSAt155$rev.SEAEretOUTSAt155, p=0.975, method="historical")
SEAE	156	26	1822	2019-02-03	2019-02-03	SEAEretOUTSAt156<-ln(SEAEaprx[26:1822]/lead(SEAEaprx[26:1822], 1))[1:1796]	datSEAEretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEAEretOUTSAt156))	SEAEISHIt156<-ES(datSEAEretOUTSAt156$rev.SEAEretOUTSAt156, p=0.975, method="historical")
SEAE	157	25	1821	2019-02-04	2019-02-04	SEAEretOUTSAt157<-ln(SEAEaprx[25:1821]/lead(SEAEaprx[25:1821], 1))[1:1796]	datSEAEretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEAEretOUTSAt157))	SEAEISHIt157<-ES(datSEAEretOUTSAt157$rev.SEAEretOUTSAt157, p=0.975, method="historical")
SEAE	158	24	1820	2019-02-05	2019-02-05	SEAEretOUTSAt158<-ln(SEAEaprx[24:1820]/lead(SEAEaprx[24:1820], 1))[1:1796]	datSEAEretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEAEretOUTSAt158))	SEAEISHIt158<-ES(datSEAEretOUTSAt158$rev.SEAEretOUTSAt158, p=0.975, method="historical")
SEAE	159	23	1819	2019-02-06	2019-02-06	SEAEretOUTSAt159<-ln(SEAEaprx[23:1819]/lead(SEAEaprx[23:1819], 1))[1:1796]	datSEAEretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEAEretOUTSAt159))	SEAEISHIt159<-ES(datSEAEretOUTSAt159$rev.SEAEretOUTSAt159, p=0.975, method="historical")
SEAE	160	22	1818	2019-02-07	2019-02-07	SEAEretOUTSAt160<-ln(SEAEaprx[22:1818]/lead(SEAEaprx[22:1818], 1))[1:1796]	datSEAEretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEAEretOUTSAt160))	SEAEISHIt160<-ES(datSEAEretOUTSAt160$rev.SEAEretOUTSAt160, p=0.975, method="historical")
SEAE	161	21	1817	2019-02-08	2019-02-08	SEAEretOUTSAt161<-ln(SEAEaprx[21:1817]/lead(SEAEaprx[21:1817], 1))[1:1796]	datSEAEretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEAEretOUTSAt161))	SEAEISHIt161<-ES(datSEAEretOUTSAt161$rev.SEAEretOUTSAt161, p=0.975, method="historical")
SEAE	162	20	1816	2019-02-09	2019-02-09	SEAEretOUTSAt162<-ln(SEAEaprx[20:1816]/lead(SEAEaprx[20:1816], 1))[1:1796]	datSEAEretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEAEretOUTSAt162))	SEAEISHIt162<-ES(datSEAEretOUTSAt162$rev.SEAEretOUTSAt162, p=0.975, method="historical")
SEAE	163	19	1815	2019-02-10	2019-02-10	SEAEretOUTSAt163<-ln(SEAEaprx[19:1815]/lead(SEAEaprx[19:1815], 1))[1:1796]	datSEAEretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEAEretOUTSAt163))	SEAEISHIt163<-ES(datSEAEretOUTSAt163$rev.SEAEretOUTSAt163, p=0.975, method="historical")
SEAE	164	18	1814	2019-02-11	2019-02-11	SEAEretOUTSAt164<-ln(SEAEaprx[18:1814]/lead(SEAEaprx[18:1814], 1))[1:1796]	datSEAEretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEAEretOUTSAt164))	SEAEISHIt164<-ES(datSEAEretOUTSAt164$rev.SEAEretOUTSAt164, p=0.975, method="historical")
SEAE	165	17	1813	2019-02-12	2019-02-12	SEAEretOUTSAt165<-ln(SEAEaprx[17:1813]/lead(SEAEaprx[17:1813], 1))[1:1796]	datSEAEretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEAEretOUTSAt165))	SEAEISHIt165<-ES(datSEAEretOUTSAt165$rev.SEAEretOUTSAt165, p=0.975, method="historical")
SEAE	166	16	1812	2019-02-13	2019-02-13	SEAEretOUTSAt166<-ln(SEAEaprx[16:1812]/lead(SEAEaprx[16:1812], 1))[1:1796]	datSEAEretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEAEretOUTSAt166))	SEAEISHIt166<-ES(datSEAEretOUTSAt166$rev.SEAEretOUTSAt166, p=0.975, method="historical")
SEAE	167	15	1811	2019-02-14	2019-02-14	SEAEretOUTSAt167<-ln(SEAEaprx[15:1811]/lead(SEAEaprx[15:1811], 1))[1:1796]	datSEAEretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEAEretOUTSAt167))	SEAEISHIt167<-ES(datSEAEretOUTSAt167$rev.SEAEretOUTSAt167, p=0.975, method="historical")
SEAE	168	14	1810	2019-02-15	2019-02-15	SEAEretOUTSAt168<-ln(SEAEaprx[14:1810]/lead(SEAEaprx[14:1810], 1))[1:1796]	datSEAEretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEAEretOUTSAt168))	SEAEISHIt168<-ES(datSEAEretOUTSAt168$rev.SEAEretOUTSAt168, p=0.975, method="historical")
SEAE	169	13	1809	2019-02-16	2019-02-16	SEAEretOUTSAt169<-ln(SEAEaprx[13:1809]/lead(SEAEaprx[13:1809], 1))[1:1796]	datSEAEretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEAEretOUTSAt169))	SEAEISHIt169<-ES(datSEAEretOUTSAt169$rev.SEAEretOUTSAt169, p=0.975, method="historical")
SEAE	170	12	1808	2019-02-17	2019-02-17	SEAEretOUTSAt170<-ln(SEAEaprx[12:1808]/lead(SEAEaprx[12:1808], 1))[1:1796]	datSEAEretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SEAEretOUTSAt170))	SEAEISHIt170<-ES(datSEAEretOUTSAt170$rev.SEAEretOUTSAt170, p=0.975, method="historical")
SEAE	171	11	1807	2019-02-18	2019-02-18	SEAEretOUTSAt171<-ln(SEAEaprx[11:1807]/lead(SEAEaprx[11:1807], 1))[1:1796]	datSEAEretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SEAEretOUTSAt171))	SEAEISHIt171<-ES(datSEAEretOUTSAt171$rev.SEAEretOUTSAt171, p=0.975, method="historical")
SEAE	172	10	1806	2019-02-19	2019-02-19	SEAEretOUTSAt172<-ln(SEAEaprx[10:1806]/lead(SEAEaprx[10:1806], 1))[1:1796]	datSEAEretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEAEretOUTSAt172))	SEAEISHIt172<-ES(datSEAEretOUTSAt172$rev.SEAEretOUTSAt172, p=0.975, method="historical")
SEAE	173	9	1805	2019-02-20	2019-02-20	SEAEretOUTSAt173<-ln(SEAEaprx[9:1805]/lead(SEAEaprx[9:1805], 1))[1:1796]	datSEAEretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEAEretOUTSAt173))	SEAEISHIt173<-ES(datSEAEretOUTSAt173$rev.SEAEretOUTSAt173, p=0.975, method="historical")
SEAE	174	8	1804	2019-02-21	2019-02-21	SEAEretOUTSAt174<-ln(SEAEaprx[8:1804]/lead(SEAEaprx[8:1804], 1))[1:1796]	datSEAEretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEAEretOUTSAt174))	SEAEISHIt174<-ES(datSEAEretOUTSAt174$rev.SEAEretOUTSAt174, p=0.975, method="historical")
SEAE	175	7	1803	2019-02-22	2019-02-22	SEAEretOUTSAt175<-ln(SEAEaprx[7:1803]/lead(SEAEaprx[7:1803], 1))[1:1796]	datSEAEretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEAEretOUTSAt175))	SEAEISHIt175<-ES(datSEAEretOUTSAt175$rev.SEAEretOUTSAt175, p=0.975, method="historical")
SEAE	176	6	1802	2019-02-23	2019-02-23	SEAEretOUTSAt176<-ln(SEAEaprx[6:1802]/lead(SEAEaprx[6:1802], 1))[1:1796]	datSEAEretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEAEretOUTSAt176))	SEAEISHIt176<-ES(datSEAEretOUTSAt176$rev.SEAEretOUTSAt176, p=0.975, method="historical")
SEAE	177	5	1801	2019-02-24	2019-02-24	SEAEretOUTSAt177<-ln(SEAEaprx[5:1801]/lead(SEAEaprx[5:1801], 1))[1:1796]	datSEAEretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEAEretOUTSAt177))	SEAEISHIt177<-ES(datSEAEretOUTSAt177$rev.SEAEretOUTSAt177, p=0.975, method="historical")
SEAE	178	4	1800	2019-02-25	2019-02-25	SEAEretOUTSAt178<-ln(SEAEaprx[4:1800]/lead(SEAEaprx[4:1800], 1))[1:1796]	datSEAEretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEAEretOUTSAt178))	SEAEISHIt178<-ES(datSEAEretOUTSAt178$rev.SEAEretOUTSAt178, p=0.975, method="historical")
SEAE	179	3	1799	2019-02-26	2019-02-26	SEAEretOUTSAt179<-ln(SEAEaprx[3:1799]/lead(SEAEaprx[3:1799], 1))[1:1796]	datSEAEretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date

SESO	55	127	1923	2018-10-25	2018-10-25	SESOretOUTSAt55<-ln(SESOaprx[127:1923]/lead(SESOaprx[127:1923], 1))[1:1796]	datSESOretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SESOretOUTSAt55))	SESOESHIt55<-ES(datSESOretOUTSAt55$rev.SESOretOUTSAt55, p=0.975, method="historical")
SESO	56	126	1922	2018-10-26	2018-10-26	SESOretOUTSAt56<-ln(SESOaprx[126:1922]/lead(SESOaprx[126:1922], 1))[1:1796]	datSESOretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SESOretOUTSAt56))	SESOESHIt56<-ES(datSESOretOUTSAt56$rev.SESOretOUTSAt56, p=0.975, method="historical")
SESO	57	125	1921	2018-10-27	2018-10-27	SESOretOUTSAt57<-ln(SESOaprx[125:1921]/lead(SESOaprx[125:1921], 1))[1:1796]	datSESOretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SESOretOUTSAt57))	SESOESHIt57<-ES(datSESOretOUTSAt57$rev.SESOretOUTSAt57, p=0.975, method="historical")
SESO	58	124	1920	2018-10-28	2018-10-28	SESOretOUTSAt58<-ln(SESOaprx[124:1920]/lead(SESOaprx[124:1920], 1))[1:1796]	datSESOretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SESOretOUTSAt58))	SESOESHIt58<-ES(datSESOretOUTSAt58$rev.SESOretOUTSAt58, p=0.975, method="historical")
SESO	59	123	1919	2018-10-29	2018-10-29	SESOretOUTSAt59<-ln(SESOaprx[123:1919]/lead(SESOaprx[123:1919], 1))[1:1796]	datSESOretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SESOretOUTSAt59))	SESOESHIt59<-ES(datSESOretOUTSAt59$rev.SESOretOUTSAt59, p=0.975, method="historical")
SESO	60	122	1918	2018-10-30	2018-10-30	SESOretOUTSAt60<-ln(SESOaprx[122:1918]/lead(SESOaprx[122:1918], 1))[1:1796]	datSESOretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SESOretOUTSAt60))	SESOESHIt60<-ES(datSESOretOUTSAt60$rev.SESOretOUTSAt60, p=0.975, method="historical")
SESO	61	121	1917	2018-10-31	2018-10-31	SESOretOUTSAt61<-ln(SESOaprx[121:1917]/lead(SESOaprx[121:1917], 1))[1:1796]	datSESOretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SESOretOUTSAt61))	SESOESHIt61<-ES(datSESOretOUTSAt61$rev.SESOretOUTSAt61, p=0.975, method="historical")
SESO	62	120	1916	2018-11-01	2018-11-01	SESOretOUTSAt62<-ln(SESOaprx[120:1916]/lead(SESOaprx[120:1916], 1))[1:1796]	datSESOretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SESOretOUTSAt62))	SESOESHIt62<-ES(datSESOretOUTSAt62$rev.SESOretOUTSAt62, p=0.975, method="historical")
SESO	63	119	1915	2018-11-02	2018-11-02	SESOretOUTSAt63<-ln(SESOaprx[119:1915]/lead(SESOaprx[119:1915], 1))[1:1796]	datSESOretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SESOretOUTSAt63))	SESOESHIt63<-ES(datSESOretOUTSAt63$rev.SESOretOUTSAt63, p=0.975, method="historical")
SESO	64	118	1914	2018-11-03	2018-11-03	SESOretOUTSAt64<-ln(SESOaprx[118:1914]/lead(SESOaprx[118:1914], 1))[1:1796]	datSESOretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SESOretOUTSAt64))	SESOESHIt64<-ES(datSESOretOUTSAt64$rev.SESOretOUTSAt64, p=0.975, method="historical")
SESO	65	117	1913	2018-11-04	2018-11-04	SESOretOUTSAt65<-ln(SESOaprx[117:1913]/lead(SESOaprx[117:1913], 1))[1:1796]	datSESOretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SESOretOUTSAt65))	SESOESHIt65<-ES(datSESOretOUTSAt65$rev.SESOretOUTSAt65, p=0.975, method="historical")
SESO	66	116	1912	2018-11-05	2018-11-05	SESOretOUTSAt66<-ln(SESOaprx[116:1912]/lead(SESOaprx[116:1912], 1))[1:1796]	datSESOretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SESOretOUTSAt66))	SESOESHIt66<-ES(datSESOretOUTSAt66$rev.SESOretOUTSAt66, p=0.975, method="historical")
SESO	67	115	1911	2018-11-06	2018-11-06	SESOretOUTSAt67<-ln(SESOaprx[115:1911]/lead(SESOaprx[115:1911], 1))[1:1796]	datSESOretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SESOretOUTSAt67))	SESOESHIt67<-ES(datSESOretOUTSAt67$rev.SESOretOUTSAt67, p=0.975, method="historical")
SESO	68	114	1910	2018-11-07	2018-11-07	SESOretOUTSAt68<-ln(SESOaprx[114:1910]/lead(SESOaprx[114:1910], 1))[1:1796]	datSESOretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SESOretOUTSAt68))	SESOESHIt68<-ES(datSESOretOUTSAt68$rev.SESOretOUTSAt68, p=0.975, method="historical")
SESO	69	113	1909	2018-11-08	2018-11-08	SESOretOUTSAt69<-ln(SESOaprx[113:1909]/lead(SESOaprx[113:1909], 1))[1:1796]	datSESOretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SESOretOUTSAt69))	SESOESHIt69<-ES(datSESOretOUTSAt69$rev.SESOretOUTSAt69, p=0.975, method="historical")
SESO	70	112	1908	2018-11-09	2018-11-09	SESOretOUTSAt70<-ln(SESOaprx[112:1908]/lead(SESOaprx[112:1908], 1))[1:1796]	datSESOretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SESOretOUTSAt70))	SESOESHIt70<-ES(datSESOretOUTSAt70$rev.SESOretOUTSAt70, p=0.975, method="historical")
SESO	71	111	1907	2018-11-10	2018-11-10	SESOretOUTSAt71<-ln(SESOaprx[111:1907]/lead(SESOaprx[111:1907], 1))[1:1796]	datSESOretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SESOretOUTSAt71))	SESOESHIt71<-ES(datSESOretOUTSAt71$rev.SESOretOUTSAt71, p=0.975, method="historical")
SESO	72	110	1906	2018-11-11	2018-11-11	SESOretOUTSAt72<-ln(SESOaprx[110:1906]/lead(SESOaprx[110:1906], 1))[1:1796]	datSESOretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SESOretOUTSAt72))	SESOESHIt72<-ES(datSESOretOUTSAt72$rev.SESOretOUTSAt72, p=0.975, method="historical")
SESO	73	109	1905	2018-11-12	2018-11-12	SESOretOUTSAt73<-ln(SESOaprx[109:1905]/lead(SESOaprx[109:1905], 1))[1:1796]	datSESOretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SESOretOUTSAt73))	SESOESHIt73<-ES(datSESOretOUTSAt73$rev.SESOretOUTSAt73, p=0.975, method="historical")
SESO	74	108	1904	2018-11-13	2018-11-13	SESOretOUTSAt74<-ln(SESOaprx[108:1904]/lead(SESOaprx[108:1904], 1))[1:1796]	datSESOretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SESOretOUTSAt74))	SESOESHIt74<-ES(datSESOretOUTSAt74$rev.SESOretOUTSAt74, p=0.975, method="historical")
SESO	75	107	1903	2018-11-14	2018-11-14	SESOretOUTSAt75<-ln(SESOaprx[107:1903]/lead(SESOaprx[107:1903], 1))[1:1796]	datSESOretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SESOretOUTSAt75))	SESOESHIt75<-ES(datSESOretOUTSAt75$rev.SESOretOUTSAt75, p=0.975, method="historical")
SESO	76	106	1902	2018-11-15	2018-11-15	SESOretOUTSAt76<-ln(SESOaprx[106:1902]/lead(SESOaprx[106:1902], 1))[1:1796]	datSESOretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SESOretOUTSAt76))	SESOESHIt76<-ES(datSESOretOUTSAt76$rev.SESOretOUTSAt76, p=0.975, method="historical")
SESO	77	105	1901	2018-11-16	2018-11-16	SESOretOUTSAt77<-ln(SESOaprx[105:1901]/lead(SESOaprx[105:1901], 1))[1:1796]	datSESOretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SESOretOUTSAt77))	SESOESHIt77<-ES(datSESOretOUTSAt77$rev.SESOretOUTSAt77, p=0.975, method="historical")
SESO	78	104	1900	2018-11-17	2018-11-17	SESOretOUTSAt78<-ln(SESOaprx[104:1900]/lead(SESOaprx[104:1900], 1))[1:1796]	datSESOretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SESOretOUTSAt78))	SESOESHIt78<-ES(datSESOretOUTSAt78$rev.SESOretOUTSAt78, p=0.975, method="historical")
SESO	79	103	1899	2018-11-18	2018-11-18	SESOretOUTSAt79<-ln(SESOaprx[103:1899]/lead(SESOaprx[103:1899], 1))[1:1796]	datSESOretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SESOretOUTSAt79))	SESOESHIt79<-ES(datSESOretOUTSAt79$rev.SESOretOUTSAt79, p=0.975, method="historical")
SESO	80	102	1898	2018-11-19	2018-11-19	SESOretOUTSAt80<-ln(SESOaprx[102:1898]/lead(SESOaprx[102:1898], 1))[1:1796]	datSESOretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SESOretOUTSAt80))	SESOESHIt80<-ES(datSESOretOUTSAt80$rev.SESOretOUTSAt80, p=0.975, method="historical")
SESO	81	101	1897	2018-11-20	2018-11-20	SESOretOUTSAt81<-ln(SESOaprx[101:1897]/lead(SESOaprx[101:1897], 1))[1:1796]	datSESOretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SESOretOUTSAt81))	SESOESHIt81<-ES(datSESOretOUTSAt81$rev.SESOretOUTSAt81, p=0.975, method="historical")
SESO	82	100	1896	2018-11-21	2018-11-21	SESOretOUTSAt82<-ln(SESOaprx[100:1896]/lead(SESOaprx[100:1896], 1))[1:1796]	datSESOretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SESOretOUTSAt82))	SESOESHIt82<-ES(datSESOretOUTSAt82$rev.SESOretOUTSAt82, p=0.975, method="historical")
SESO	83	99	1895	2018-11-22	2018-11-22	SESOretOUTSAt83<-ln(SESOaprx[99:1895]/lead(SESOaprx[99:1895], 1))[1:1796]	datSESOretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SESOretOUTSAt83))	SESOESHIt83<-ES(datSESOretOUTSAt83$rev.SESOretOUTSAt83, p=0.975, method="historical")
SESO	84	98	1894	2018-11-23	2018-11-23	SESOretOUTSAt84<-ln(SESOaprx[98:1894]/lead(SESOaprx[98:1894], 1))[1:1796]	datSESOretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SESOretOUTSAt84))	SESOESHIt84<-ES(datSESOretOUTSAt84$rev.SESOretOUTSAt84, p=0.975, method="historical")
SESO	85	97	1893	2018-11-24	2018-11-24	SESOretOUTSAt85<-ln(SESOaprx[97:1893]/lead(SESOaprx[97:1893], 1))[1:1796]	datSESOretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SESOretOUTSAt85))	SESOESHIt85<-ES(datSESOretOUTSAt85$rev.SESOretOUTSAt85, p=0.975, method="historical")
SESO	86	96	1892	2018-11-25	2018-11-25	SESOretOUTSAt86<-ln(SESOaprx[96:1892]/lead(SESOaprx[96:1892], 1))[1:1796]	datSESOretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SESOretOUTSAt86))	SESOESHIt86<-ES(datSESOretOUTSAt86$rev.SESOretOUTSAt86, p=0.975, method="historical")
SESO	87	95	1891	2018-11-26	2018-11-26	SESOretOUTSAt87<-ln(SESOaprx[95:1891]/lead(SESOaprx[95:1891], 1))[1:1796]	datSESOretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SESOretOUTSAt87))	SESOESHIt87<-ES(datSESOretOUTSAt87$rev.SESOretOUTSAt87, p=0.975, method="historical")
SESO	88	94	1890	2018-11-27	2018-11-27	SESOretOUTSAt88<-ln(SESOaprx[94:1890]/lead(SESOaprx[94:1890], 1))[1:1796]	datSESOretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SESOretOUTSAt88))	SESOESHIt88<-ES(datSESOretOUTSAt88$rev.SESOretOUTSAt88, p=0.975, method="historical")
SESO	89	93	1889	2018-11-28	2018-11-28	SESOretOUTSAt89<-ln(SESOaprx[93:1889]/lead(SESOaprx[93:1889], 1))[1:1796]	datSESOretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SESOretOUTSAt89))	SESOESHIt89<-ES(datSESOretOUTSAt89$rev.SESOretOUTSAt89, p=0.975, method="historical")
SESO	90	92	1888	2018-11-29	2018-11-29	SESOretOUTSAt90<-ln(SESOaprx[92:1888]/lead(SESOaprx[92:1888], 1))[1:1796]	datSESOretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SESOretOUTSAt90))	SESOESHIt90<-ES(datSESOretOUTSAt90$rev.SESOretOUTSAt90, p=0.975, method="historical")
SESO	91	187	1887	2018-11-30	2018-11-30	SESOretOUTSAt91<-ln(SESOaprx[91:1887]/lead(SESOaprx[91:1887], 1))[1:1796]	datSESOretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SESOretOUTSAt91))	SESOESHIt91<-ES(datSESOretOUTSAt91$rev.SESOretOUTSAt91, p=0.975, method="historical")
SESO	92	90	1886	2018-12-01	2018-12-01	SESOretOUTSAt92<-ln(SESOaprx[90:1886]/lead(SESOaprx[90:1886], 1))[1:1796]	datSESOretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SESOretOUTSAt92))	SESOESHIt92<-ES(datSESOretOUTSAt92$rev.SESOretOUTSAt92, p=0.975, method="historical")
SESO	93	89	1885	2018-12-02	2018-12-02	SESOretOUTSAt93<-ln(SESOaprx[89:1885]/lead(SESOaprx[89:1885], 1))[1:1796]	datSESOretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SESOretOUTSAt93))	SESOESHIt93<-ES(datSESOretOUTSAt93$rev.SESOretOUTSAt93, p=0.975, method="historical")
SESO	94	88	1884	2018-12-03	2018-12-03	SESOretOUTSAt94<-ln(SESOaprx[88:1884]/lead(SESOaprx[88:1884], 1))[1:1796]	datSESOretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SESOretOUTSAt94))	SESOESHIt94<-ES(datSESOretOUTSAt94$rev.SESOretOUTSAt94, p=0.975, method="historical")
SESO	95	87	1883	2018-12-04	2018-12-04	SESOretOUTSAt95<-ln(SESOaprx[87:1883]/lead(SESOaprx[87:1883], 1))[1:1796]	datSESOretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SESOretOUTSAt95))	SESOESHIt95<-ES(datSESOretOUTSAt95$rev.SESOretOUTSAt95, p=0.975, method="historical")
SESO	96	86	1882	2018-12-05	2018-12-05	SESOretOUTSAt96<-ln(SESOaprx[86:1882]/lead(SESOaprx[86:1882], 1))[1:1796]	datSESOretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SESOretOUTSAt96))	SESOESHIt96<-ES(datSESOretOUTSAt96$rev.SESOretOUTSAt96, p=0.975, method="historical")
SESO	97	85	1881	2018-12-06	2018-12-06	SESOretOUTSAt97<-ln(SESOaprx[85:1881]/lead(SESOaprx[85:1881], 1))[1:1796]	datSESOretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SESOretOUTSAt97))	SESOESHIt97<-ES(datSESOretOUTSAt97$rev.SESOretOUTSAt97, p=0.975, method="historical")
SESO	98	84	1880	2018-12-07	2018-12-07	SESOretOUTSAt98<-ln(SESOaprx[84:1880]/lead(SESOaprx[84:1880], 1))[1:1796]	datSESOretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SESOretOUTSAt98))	SESOESHIt98<-ES(datSESOretOUTSAt98$rev.SESOretOUTSAt98, p=0.975, method="historical")
SESO	99	83	1879	2018-12-08	2018-12-08	SESOretOUTSAt99<-ln(SESOaprx[83:1879]/lead(SESOaprx[83:1879], 1))[1:1796]	datSESOretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SESOretOUTSAt99))	SESOESHIt99<-ES(datSESOretOUTSAt99$rev.SESOretOUTSAt99, p=0.975, method="historical")
SESO	100	82	1878	2018-12-09	2018-12-09	SESOretOUTSAt100<-ln(SESOaprx[82:1878]/lead(SESOaprx[82:1878], 1))[1:1796]	datSESOretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SESOretOUTSAt100))	SESOESHIt100<-ES(datSESOretOUTSAt100$rev.SESOretOUTSAt100, p=0.975, method="historical")
SESO	101	81	1877	2018-12-10	2018-12-10	SESOretOUTSAt101<-ln(SESOaprx[81:1877]/lead(SESOaprx[81:1877], 1))[1:1796]	datSESOretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SESOretOUTSAt101))	SESOESHIt101<-ES(datSESOretOUTSAt101$rev.SESOretOUTSAt101, p=0.975, method="historical")
SESO	102	80	1876	2018-12-11	2018-12-11	SESOretOUTSAt102<-ln(SESOaprx[80:1876]/lead(SESOaprx[80:1876], 1))[1:1796]	datSESOretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SESOretOUTSAt102))	SESOESHIt102<-ES(datSESOretOUTSAt102$rev.SESOretOUTSAt102, p=0.975, method="historical")
SESO	103	79	1875	2018-12-12	2018-12-12	SESOretOUTSAt103<-ln(SESOaprx[79:1875]/lead(SESOaprx[79:1875], 1))[1:1796]	datSESOretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SESOretOUTSAt103))	SESOESHIt103<-ES(datSESOretOUTSAt103$rev.SESOretOUTSAt103, p=0.975, method="historical")
SESO	104	78	1874	2018-12-13	2018-12-13	SESOretOUTSAt104<-ln(SESOaprx[78:1874]/lead(SESOaprx[78:1874], 1))[1:1796]	datSESOretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SESOretOUTSAt104))	SESOESHIt104<-ES(datSESOretOUTSAt104$rev.SESOretOUTSAt104, p=0.975, method="historical")
SESO	105	77	1873	2018-12-14	2018-12-14	SESOretOUTSAt105<-ln(SESOaprx[77:1873]/lead(SESOaprx[77:1873], 1))[1:1796]	datSESOretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SESOretOUTSAt105))	SESOESHIt105<-ES(datSESOretOUTSAt105$rev.SESOretOUTSAt105, p=0.975, method="historical")
SESO	106	76	1872	2018-12-15	2018-12-15	SESOretOUTSAt106<-ln(SESOaprx[76:1872]/lead(SESOaprx[76:1872], 1))[1:1796]	datSESOretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SESOretOUTSAt106))	SESOESHIt106<-ES(datSESOretOUTSAt106$rev.SESOretOUTSAt106, p=0.975, method="historical")
SESO	107	75	1871	2018-12-16	2018-12-16	SESOretOUTSAt107<-ln(SESOaprx[75:1871]/lead(SESOaprx[75:1871], 1))[1:1796]	datSESOretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SESOretOUTSAt107))	SESOESHIt107<-ES(datSESOretOUTSAt107$rev.SESOretOUTSAt107, p=0.975, method="historical")
SESO	108	74	1870	2018-12-17	2018-12-17	SESOretOUTSAt108<-ln(SESOaprx[74:1870]/lead(SESOaprx[74:1870], 1))[1:1796]	datSESOretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SESOretOUTSAt108))	SESOESHIt108<-ES(datSESOretOUTSAt108$rev.SESOretOUTSAt108, p=0.975, method="historical")
SESO	109	73	1869	2018-12-18	2018-12-18	SESOretOUTSAt109<-ln(SESOaprx[73:1869]/lead(SESOaprx[73:1869], 1))[1:1796]	datSESOretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SESOretOUTSAt109))	SESOESHIt109<-ES(datSESOretOUTSAt109$rev.SESOretOUTSAt109, p=0.975, method="historical")
SESO	110	72	1868	2018-12-19	2018-12-19	SESOretOUTSAt110<-ln(SESOaprx[72:1868]/lead(SESOaprx[72:1868], 1))[1:1796]	datSESOretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SESOretOUTSAt110))	SESOESHIt110<-ES(datSESOretOUTSAt110$rev.SESOretOUTSAt110, p=0.975, method="historical")
SESO	111	71	1867	2018-12-20	2018-12-20	SESOretOUTSAt111<-ln(SESOaprx[71:1867]/lead(SESOaprx[71:1867], 1))[1:1796]	datSESOretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SESOretOUTSAt111))	SESOESHIt111<-ES(datSESOretOUTSAt111$rev.SESOretOUTSAt111, p=0.975, method="historical")
SESO	112	70	1866	2018-12-21	2018-12-21	SESOretOUTSAt112<-ln(SESOaprx[70:1866]/lead(SESOaprx[70:1866], 1))[1:1796]	datSESOretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SESOretOUTSAt112))	SESOESHIt112<-ES(datSESOretOUTSAt112$rev.SESOretOUTSAt112, p=0.975, method="historical")
SESO	113	69	1865	2018-12-22	2018-12-22	SESOretOUTSAt113<-ln(SESOaprx[69:1865]/lead(SESOaprx[69:1865], 1))[1:1796]	datSESOretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SESOretOUTSAt113))	SESOESHIt113<-ES(datSESOretOUTSAt113$rev.SESOretOUTSAt113, p=0.975, method="historical")
SESO	114	68	1864	2018-12-23	2018-12-23	SESOretOUTSAt114<-ln(SESOaprx[68:1864]/lead(SESOaprx[68:1864], 1))[1:1796]	datSESOretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SESOretOUTSAt114))	SESOESHIt114<-ES(datSESOretOUTSAt114$rev.SESOretOUTSAt114, p=0.975, method="historical")
SESO	115	67	1863	2018-12-24	2018-12-24	SESOretOUTSAt115<-ln(SESOaprx[67:1863]/lead(SESOaprx[67:1863], 1))[1:1796]	datSESOretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SESOretOUTSAt115))	SESOESHIt115<-ES(datSESOretOUTSAt115$rev.SESOretOUTSAt115, p=0.975, method="historical")
SESO	116	66	1862	2018-12-25	2018-12-25	SESOretOUTSAt116<-ln(SESOaprx[66:1862]/lead(SESOaprx[66:1862], 1))[1:1796]	datSESOretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SESOretOUTSAt116))	SESOESHIt116<-ES(datSESOretOUTSAt116$rev.SESOretOUTSAt116, p=0.975, method="historical")
SESO	117	65	1861	2018-12-26	2018-12-26	SESOretOUTSAt117<-ln(SESOaprx[65:1861]/lead(SESOaprx[65:1861], 1))[1:1796]	datSESOretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SESOretOUTSAt117))	SESOESHIt117<-ES(datSESOretOUTSAt117$rev.SESOretOUTSAt117, p=0.975, method="historical")
SESO	118	64	1860	2018-12-27	2018-12-27	SESOretOUTSAt118<-ln(SESOaprx[64:1860]/lead(SESOaprx[64:1860], 1))[1:1796]	datSESOretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SESOretOUTSAt118))	SESOESHIt118<-ES(datSESOretOUTSAt118$rev.SESOretOUTSAt118, p=0.975, method="historical")
SESO	119	63	1859	2018-12-28	2018-12-28	SESOretOUTSAt119<-ln(SESOaprx[63:1859]/lead(SESOaprx[63:1859], 1))[1:1796]	datSESOretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SESOretOUTSAt119))	SESOESHIt119<-ES(datSESOretOUTSAt119$rev.SESOretOUTSAt119, p=0.975, method="historical")
SESO	120	62	1858	2018-12-29	2018-12-29	SESOretOUTSAt120<-ln(SESOaprx[62:1858]/lead(SESOaprx[62:1858], 1))[1:1796]	datSESOretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SESOretOUTSAt120))	SESOESHIt120<-ES(datSESOretOUTSAt120$rev.SESOretOUTSAt120, p=0.975, method="historical")
SESO	121	61	1857	2018-12-30	2018-12-30	SESOretOUTSAt121<-ln(SESOaprx[61:1857]/lead(SESOaprx[61:1857], 1))[1:1796]	datSESOretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SESOretOUTSAt121))	SESOESHIt121<-ES(datSESOretOUTSAt121$rev.SESOretOUTSAt121, p=0.975, method="historical")
SESO	122	60	1856	2018-12-31	2018-12-31	SESOretOUTSAt122<-ln(SESOaprx[60:1856]/lead(SESOaprx[60:1856], 1))[1:1796]	datSESOretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SESOretOUTSAt122))	SESOESHIt122<-ES(datSESOretOUTSAt122$rev.SESOretOUTSAt122, p=0.975, method="historical")
SESO	123	59	1855	2019-01-01	2019-01-01	SESOretOUTSAt123<-ln(SESOaprx[59:1855]/lead(SESOaprx[59:1855], 1))[1:1796]	datSESOretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SESOretOUTSAt123))	SESOESHIt123<-ES(datSESOretOUTSAt123$rev.SESOretOUTSAt123, p=0.975, method="historical")
SESO	124	58	1854	2019-01-02	2019-01-02	SESOretOUTSAt124<-ln(SESOaprx[58:1854]/lead(SESOaprx[58:1854], 1))[1:1796]	datSESOretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SESOretOUTSAt124))	SESOESHIt124<-ES(datSESOretOUTSAt124$rev.SESOretOUTSAt124, p=0.975, method="historical")
SESO	125	57	1853	2019-01-03	2019-01-03	SESOretOUTSAt125<-ln(SESOaprx[57:1853]/lead(SESOaprx[57:1853], 1))[1:1796]	datSESOretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SESOretOUTSAt125))	SESOESHIt125<-ES(datSESOretOUTSAt125$rev.SESOretOUTSAt125, p=0.975, method="historical")
SESO	126	56	1852	2019-01-04	2019-01-04	SESOretOUTSAt126<-ln(SESOaprx[56:1852]/lead(SESOaprx[56:1852], 1))[1:1796]	datSESOretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SESOretOUTSAt126))	SESOESHIt126<-ES(datSESOretOUTSAt126$rev.SESOretOUTSAt126, p=0.975, method="historical")
SESO	127	55	1851	2019-01-05	2019-01-05	SESOretOUTSAt127<-ln(SESOaprx[55:1851]/lead(SESOaprx[55:1851], 1))[1:1796]	datSESOretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SESOretOUTSAt127))	SESOESHIt127<-ES(datSESOretOUTSAt127$rev.SESOretOUTSAt127, p=0.975, method="historical")
SESO	128	54	1850	2019-01-06	2019-01-06	SESOretOUTSAt128<-ln(SESOaprx[54:1850]/lead(SESOaprx[54:1850], 1))[1:1796]	datSESOretOUTSAt128<- data.frame(Date = seq(as

SETE	1	181	1977	2018-09-01	2018-09-01	SETEretOUTSAt1<-ln(SETEapprx[181:1977]/lead(SETEapprx[181:1977], 1))[1:1796]	datSETEretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SETEretOUTSAt1))	SETEESSHIt1<-ES(datSETEretOUTSAt1$rev.SETEretOUTSAt1, p=0.975, method="historical")
SETE	2	180	1976	2018-09-02	2018-09-02	SETEretOUTSAt2<-ln(SETEapprx[180:1976]/lead(SETEapprx[180:1976], 1))[1:1796]	datSETEretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SETEretOUTSAt2))	SETEESSHIt2<-ES(datSETEretOUTSAt2$rev.SETEretOUTSAt2, p=0.975, method="historical")
SETE	3	179	1975	2018-09-03	2018-09-03	SETEretOUTSAt3<-ln(SETEapprx[179:1975]/lead(SETEapprx[179:1975], 1))[1:1796]	datSETEretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SETEretOUTSAt3))	SETEESSHIt3<-ES(datSETEretOUTSAt3$rev.SETEretOUTSAt3, p=0.975, method="historical")
SETE	4	178	1974	2018-09-04	2018-09-04	SETEretOUTSAt4<-ln(SETEapprx[178:1974]/lead(SETEapprx[178:1974], 1))[1:1796]	datSETEretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SETEretOUTSAt4))	SETEESSHIt4<-ES(datSETEretOUTSAt4$rev.SETEretOUTSAt4, p=0.975, method="historical")
SETE	5	177	1973	2018-09-05	2018-09-05	SETEretOUTSAt5<-ln(SETEapprx[177:1973]/lead(SETEapprx[177:1973], 1))[1:1796]	datSETEretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SETEretOUTSAt5))	SETEESSHIt5<-ES(datSETEretOUTSAt5$rev.SETEretOUTSAt5, p=0.975, method="historical")
SETE	6	176	1972	2018-09-06	2018-09-06	SETEretOUTSAt6<-ln(SETEapprx[176:1972]/lead(SETEapprx[176:1972], 1))[1:1796]	datSETEretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SETEretOUTSAt6))	SETEESSHIt6<-ES(datSETEretOUTSAt6$rev.SETEretOUTSAt6, p=0.975, method="historical")
SETE	7	175	1971	2018-09-07	2018-09-07	SETEretOUTSAt7<-ln(SETEapprx[175:1971]/lead(SETEapprx[175:1971], 1))[1:1796]	datSETEretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SETEretOUTSAt7))	SETEESSHIt7<-ES(datSETEretOUTSAt7$rev.SETEretOUTSAt7, p=0.975, method="historical")
SETE	8	174	1970	2018-09-08	2018-09-08	SETEretOUTSAt8<-ln(SETEapprx[174:1970]/lead(SETEapprx[174:1970], 1))[1:1796]	datSETEretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SETEretOUTSAt8))	SETEESSHIt8<-ES(datSETEretOUTSAt8$rev.SETEretOUTSAt8, p=0.975, method="historical")
SETE	9	173	1969	2018-09-09	2018-09-09	SETEretOUTSAt9<-ln(SETEapprx[173:1969]/lead(SETEapprx[173:1969], 1))[1:1796]	datSETEretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SETEretOUTSAt9))	SETEESSHIt9<-ES(datSETEretOUTSAt9$rev.SETEretOUTSAt9, p=0.975, method="historical")
SETE	10	172	1968	2018-09-10	2018-09-10	SETEretOUTSAt10<-ln(SETEapprx[172:1968]/lead(SETEapprx[172:1968], 1))[1:1796]	datSETEretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SETEretOUTSAt10))	SETEESSHIt10<-ES(datSETEretOUTSAt10$rev.SETEretOUTSAt10, p=0.975, method="historical")
SETE	11	171	1967	2018-09-11	2018-09-11	SETEretOUTSAt11<-ln(SETEapprx[171:1967]/lead(SETEapprx[171:1967], 1))[1:1796]	datSETEretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SETEretOUTSAt11))	SETEESSHIt11<-ES(datSETEretOUTSAt11$rev.SETEretOUTSAt11, p=0.975, method="historical")
SETE	12	170	1966	2018-09-12	2018-09-12	SETEretOUTSAt12<-ln(SETEapprx[170:1966]/lead(SETEapprx[170:1966], 1))[1:1796]	datSETEretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SETEretOUTSAt12))	SETEESSHIt12<-ES(datSETEretOUTSAt12$rev.SETEretOUTSAt12, p=0.975, method="historical")
SETE	13	169	1965	2018-09-13	2018-09-13	SETEretOUTSAt13<-ln(SETEapprx[169:1965]/lead(SETEapprx[169:1965], 1))[1:1796]	datSETEretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SETEretOUTSAt13))	SETEESSHIt13<-ES(datSETEretOUTSAt13$rev.SETEretOUTSAt13, p=0.975, method="historical")
SETE	14	168	1964	2018-09-14	2018-09-14	SETEretOUTSAt14<-ln(SETEapprx[168:1964]/lead(SETEapprx[168:1964], 1))[1:1796]	datSETEretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SETEretOUTSAt14))	SETEESSHIt14<-ES(datSETEretOUTSAt14$rev.SETEretOUTSAt14, p=0.975, method="historical")
SETE	15	167	1963	2018-09-15	2018-09-15	SETEretOUTSAt15<-ln(SETEapprx[167:1963]/lead(SETEapprx[167:1963], 1))[1:1796]	datSETEretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SETEretOUTSAt15))	SETEESSHIt15<-ES(datSETEretOUTSAt15$rev.SETEretOUTSAt15, p=0.975, method="historical")
SETE	16	166	1962	2018-09-16	2018-09-16	SETEretOUTSAt16<-ln(SETEapprx[166:1962]/lead(SETEapprx[166:1962], 1))[1:1796]	datSETEretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SETEretOUTSAt16))	SETEESSHIt16<-ES(datSETEretOUTSAt16$rev.SETEretOUTSAt16, p=0.975, method="historical")
SETE	17	165	1961	2018-09-17	2018-09-17	SETEretOUTSAt17<-ln(SETEapprx[165:1961]/lead(SETEapprx[165:1961], 1))[1:1796]	datSETEretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SETEretOUTSAt17))	SETEESSHIt17<-ES(datSETEretOUTSAt17$rev.SETEretOUTSAt17, p=0.975, method="historical")
SETE	18	164	1960	2018-09-18	2018-09-18	SETEretOUTSAt18<-ln(SETEapprx[164:1960]/lead(SETEapprx[164:1960], 1))[1:1796]	datSETEretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SETEretOUTSAt18))	SETEESSHIt18<-ES(datSETEretOUTSAt18$rev.SETEretOUTSAt18, p=0.975, method="historical")
SETE	19	163	1959	2018-09-19	2018-09-19	SETEretOUTSAt19<-ln(SETEapprx[163:1959]/lead(SETEapprx[163:1959], 1))[1:1796]	datSETEretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SETEretOUTSAt19))	SETEESSHIt19<-ES(datSETEretOUTSAt19$rev.SETEretOUTSAt19, p=0.975, method="historical")
SETE	20	162	1958	2018-09-20	2018-09-20	SETEretOUTSAt20<-ln(SETEapprx[162:1958]/lead(SETEapprx[162:1958], 1))[1:1796]	datSETEretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SETEretOUTSAt20))	SETEESSHIt20<-ES(datSETEretOUTSAt20$rev.SETEretOUTSAt20, p=0.975, method="historical")
SETE	21	161	1957	2018-09-21	2018-09-21	SETEretOUTSAt21<-ln(SETEapprx[161:1957]/lead(SETEapprx[161:1957], 1))[1:1796]	datSETEretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SETEretOUTSAt21))	SETEESSHIt21<-ES(datSETEretOUTSAt21$rev.SETEretOUTSAt21, p=0.975, method="historical")
SETE	22	160	1956	2018-09-22	2018-09-22	SETEretOUTSAt22<-ln(SETEapprx[160:1956]/lead(SETEapprx[160:1956], 1))[1:1796]	datSETEretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SETEretOUTSAt22))	SETEESSHIt22<-ES(datSETEretOUTSAt22$rev.SETEretOUTSAt22, p=0.975, method="historical")
SETE	23	159	1955	2018-09-23	2018-09-23	SETEretOUTSAt23<-ln(SETEapprx[159:1955]/lead(SETEapprx[159:1955], 1))[1:1796]	datSETEretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SETEretOUTSAt23))	SETEESSHIt23<-ES(datSETEretOUTSAt23$rev.SETEretOUTSAt23, p=0.975, method="historical")
SETE	24	158	1954	2018-09-24	2018-09-24	SETEretOUTSAt24<-ln(SETEapprx[158:1954]/lead(SETEapprx[158:1954], 1))[1:1796]	datSETEretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SETEretOUTSAt24))	SETEESSHIt24<-ES(datSETEretOUTSAt24$rev.SETEretOUTSAt24, p=0.975, method="historical")
SETE	25	157	1953	2018-09-25	2018-09-25	SETEretOUTSAt25<-ln(SETEapprx[157:1953]/lead(SETEapprx[157:1953], 1))[1:1796]	datSETEretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SETEretOUTSAt25))	SETEESSHIt25<-ES(datSETEretOUTSAt25$rev.SETEretOUTSAt25, p=0.975, method="historical")
SETE	26	156	1952	2018-09-26	2018-09-26	SETEretOUTSAt26<-ln(SETEapprx[156:1952]/lead(SETEapprx[156:1952], 1))[1:1796]	datSETEretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SETEretOUTSAt26))	SETEESSHIt26<-ES(datSETEretOUTSAt26$rev.SETEretOUTSAt26, p=0.975, method="historical")
SETE	27	155	1951	2018-09-27	2018-09-27	SETEretOUTSAt27<-ln(SETEapprx[155:1951]/lead(SETEapprx[155:1951], 1))[1:1796]	datSETEretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SETEretOUTSAt27))	SETEESSHIt27<-ES(datSETEretOUTSAt27$rev.SETEretOUTSAt27, p=0.975, method="historical")
SETE	28	154	1950	2018-09-28	2018-09-28	SETEretOUTSAt28<-ln(SETEapprx[154:1950]/lead(SETEapprx[154:1950], 1))[1:1796]	datSETEretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SETEretOUTSAt28))	SETEESSHIt28<-ES(datSETEretOUTSAt28$rev.SETEretOUTSAt28, p=0.975, method="historical")
SETE	29	153	1949	2018-09-29	2018-09-29	SETEretOUTSAt29<-ln(SETEapprx[153:1949]/lead(SETEapprx[153:1949], 1))[1:1796]	datSETEretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SETEretOUTSAt29))	SETEESSHIt29<-ES(datSETEretOUTSAt29$rev.SETEretOUTSAt29, p=0.975, method="historical")
SETE	30	152	1948	2018-09-30	2018-09-30	SETEretOUTSAt30<-ln(SETEapprx[152:1948]/lead(SETEapprx[152:1948], 1))[1:1796]	datSETEretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SETEretOUTSAt30))	SETEESSHIt30<-ES(datSETEretOUTSAt30$rev.SETEretOUTSAt30, p=0.975, method="historical")
SETE	31	151	1947	2018-10-01	2018-10-01	SETEretOUTSAt31<-ln(SETEapprx[151:1947]/lead(SETEapprx[151:1947], 1))[1:1796]	datSETEretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SETEretOUTSAt31))	SETEESSHIt31<-ES(datSETEretOUTSAt31$rev.SETEretOUTSAt31, p=0.975, method="historical")
SETE	32	150	1946	2018-10-02	2018-10-02	SETEretOUTSAt32<-ln(SETEapprx[150:1946]/lead(SETEapprx[150:1946], 1))[1:1796]	datSETEretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SETEretOUTSAt32))	SETEESSHIt32<-ES(datSETEretOUTSAt32$rev.SETEretOUTSAt32, p=0.975, method="historical")
SETE	33	149	1945	2018-10-03	2018-10-03	SETEretOUTSAt33<-ln(SETEapprx[149:1945]/lead(SETEapprx[149:1945], 1))[1:1796]	datSETEretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SETEretOUTSAt33))	SETEESSHIt33<-ES(datSETEretOUTSAt33$rev.SETEretOUTSAt33, p=0.975, method="historical")
SETE	34	148	1944	2018-10-04	2018-10-04	SETEretOUTSAt34<-ln(SETEapprx[148:1944]/lead(SETEapprx[148:1944], 1))[1:1796]	datSETEretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SETEretOUTSAt34))	SETEESSHIt34<-ES(datSETEretOUTSAt34$rev.SETEretOUTSAt34, p=0.975, method="historical")
SETE	35	147	1943	2018-10-05	2018-10-05	SETEretOUTSAt35<-ln(SETEapprx[147:1943]/lead(SETEapprx[147:1943], 1))[1:1796]	datSETEretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SETEretOUTSAt35))	SETEESSHIt35<-ES(datSETEretOUTSAt35$rev.SETEretOUTSAt35, p=0.975, method="historical")
SETE	36	146	1942	2018-10-06	2018-10-06	SETEretOUTSAt36<-ln(SETEapprx[146:1942]/lead(SETEapprx[146:1942], 1))[1:1796]	datSETEretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SETEretOUTSAt36))	SETEESSHIt36<-ES(datSETEretOUTSAt36$rev.SETEretOUTSAt36, p=0.975, method="historical")
SETE	37	145	1941	2018-10-07	2018-10-07	SETEretOUTSAt37<-ln(SETEapprx[145:1941]/lead(SETEapprx[145:1941], 1))[1:1796]	datSETEretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SETEretOUTSAt37))	SETEESSHIt37<-ES(datSETEretOUTSAt37$rev.SETEretOUTSAt37, p=0.975, method="historical")
SETE	38	144	1940	2018-10-08	2018-10-08	SETEretOUTSAt38<-ln(SETEapprx[144:1940]/lead(SETEapprx[144:1940], 1))[1:1796]	datSETEretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SETEretOUTSAt38))	SETEESSHIt38<-ES(datSETEretOUTSAt38$rev.SETEretOUTSAt38, p=0.975, method="historical")
SETE	39	143	1939	2018-10-09	2018-10-09	SETEretOUTSAt39<-ln(SETEapprx[143:1939]/lead(SETEapprx[143:1939], 1))[1:1796]	datSETEretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SETEretOUTSAt39))	SETEESSHIt39<-ES(datSETEretOUTSAt39$rev.SETEretOUTSAt39, p=0.975, method="historical")
SETE	40	142	1938	2018-10-10	2018-10-10	SETEretOUTSAt40<-ln(SETEapprx[142:1938]/lead(SETEapprx[142:1938], 1))[1:1796]	datSETEretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SETEretOUTSAt40))	SETEESSHIt40<-ES(datSETEretOUTSAt40$rev.SETEretOUTSAt40, p=0.975, method="historical")
SETE	41	141	1937	2018-10-11	2018-10-11	SETEretOUTSAt41<-ln(SETEapprx[141:1937]/lead(SETEapprx[141:1937], 1))[1:1796]	datSETEretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SETEretOUTSAt41))	SETEESSHIt41<-ES(datSETEretOUTSAt41$rev.SETEretOUTSAt41, p=0.975, method="historical")
SETE	42	140	1936	2018-10-12	2018-10-12	SETEretOUTSAt42<-ln(SETEapprx[140:1936]/lead(SETEapprx[140:1936], 1))[1:1796]	datSETEretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SETEretOUTSAt42))	SETEESSHIt42<-ES(datSETEretOUTSAt42$rev.SETEretOUTSAt42, p=0.975, method="historical")
SETE	43	139	1935	2018-10-13	2018-10-13	SETEretOUTSAt43<-ln(SETEapprx[139:1935]/lead(SETEapprx[139:1935], 1))[1:1796]	datSETEretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SETEretOUTSAt43))	SETEESSHIt43<-ES(datSETEretOUTSAt43$rev.SETEretOUTSAt43, p=0.975, method="historical")
SETE	44	138	1934	2018-10-14	2018-10-14	SETEretOUTSAt44<-ln(SETEapprx[138:1934]/lead(SETEapprx[138:1934], 1))[1:1796]	datSETEretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SETEretOUTSAt44))	SETEESSHIt44<-ES(datSETEretOUTSAt44$rev.SETEretOUTSAt44, p=0.975, method="historical")
SETE	45	137	1933	2018-10-15	2018-10-15	SETEretOUTSAt45<-ln(SETEapprx[137:1933]/lead(SETEapprx[137:1933], 1))[1:1796]	datSETEretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SETEretOUTSAt45))	SETEESSHIt45<-ES(datSETEretOUTSAt45$rev.SETEretOUTSAt45, p=0.975, method="historical")
SETE	46	136	1932	2018-10-16	2018-10-16	SETEretOUTSAt46<-ln(SETEapprx[136:1932]/lead(SETEapprx[136:1932], 1))[1:1796]	datSETEretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SETEretOUTSAt46))	SETEESSHIt46<-ES(datSETEretOUTSAt46$rev.SETEretOUTSAt46, p=0.975, method="historical")
SETE	47	135	1931	2018-10-17	2018-10-17	SETEretOUTSAt47<-ln(SETEapprx[135:1931]/lead(SETEapprx[135:1931], 1))[1:1796]	datSETEretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SETEretOUTSAt47))	SETEESSHIt47<-ES(datSETEretOUTSAt47$rev.SETEretOUTSAt47, p=0.975, method="historical")
SETE	48	134	1930	2018-10-18	2018-10-18	SETEretOUTSAt48<-ln(SETEapprx[134:1930]/lead(SETEapprx[134:1930], 1))[1:1796]	datSETEretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SETEretOUTSAt48))	SETEESSHIt48<-ES(datSETEretOUTSAt48$rev.SETEretOUTSAt48, p=0.975, method="historical")
SETE	49	133	1929	2018-10-19	2018-10-19	SETEretOUTSAt49<-ln(SETEapprx[133:1929]/lead(SETEapprx[133:1929], 1))[1:1796]	datSETEretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SETEretOUTSAt49))	SETEESSHIt49<-ES(datSETEretOUTSAt49$rev.SETEretOUTSAt49, p=0.975, method="historical")
SETE	50	132	1928	2018-10-20	2018-10-20	SETEretOUTSAt50<-ln(SETEapprx[132:1928]/lead(SETEapprx[132:1928], 1))[1:1796]	datSETEretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SETEretOUTSAt50))	SETEESSHIt50<-ES(datSETEretOUTSAt50$rev.SETEretOUTSAt50, p=0.975, method="historical")
SETE	51	131	1927	2018-10-21	2018-10-21	SETEretOUTSAt51<-ln(SETEapprx[131:1927]/lead(SETEapprx[131:1927], 1))[1:1796]	datSETEretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SETEretOUTSAt51))	SETEESSHIt51<-ES(datSETEretOUTSAt51$rev.SETEretOUTSAt51, p=0.975, method="historical")
SETE	52	130	1926	2018-10-22	2018-10-22	SETEretOUTSAt52<-ln(SETEapprx[130:1926]/lead(SETEapprx[130:1926], 1))[1:1796]	datSETEretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SETEretOUTSAt52))	SETEESSHIt52<-ES(datSETEretOUTSAt52$rev.SETEretOUTSAt52, p=0.975, method="historical")
SETE	53	129	1925	2018-10-23	2018-10-23	SETEretOUTSAt53<-ln(SETEapprx[129:1925]/lead(SETEapprx[129:1925], 1))[1:1796]	datSETEretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SETEretOUTSAt53))	SETEESSHIt53<-ES(datSETEretOUTSAt53$rev.SETEretOUTSAt53, p=0.975, method="historical")
SETE	54	128	1924	2018-10-24	2018-10-24	SETEretOUTSAt54<-ln(SETEapprx[128:1924]/lead(SETEapprx[128:1924], 1))[1:1796]	datSETEretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SETEretOUTSAt54))	SETEESSHIt54<-ES(datSETEretOUTSAt54$rev.SETEretOUTSAt54, p=0.975, method="historical")
SETE	55	127	1923	2018-10-25	2018-10-25	SETEretOUTSAt55<-ln(SETEapprx[127:1923]/lead(SETEapprx[127:1923], 1))[1:1796]	datSETEretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SETEretOUTSAt55))	SETEESSHIt55<-ES(datSETEretOUTSAt55$rev.SETEretOUTSAt55, p=0.975, method="historical")
SETE	56	126	1922	2018-10-26	2018-10-26	SETEretOUTSAt56<-ln(SETEapprx[126:1922]/lead(SETEapprx[126:1922], 1))[1:1796]	datSETEretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SETEretOUTSAt56))	SETEESSHIt56<-ES(datSETEretOUTSAt56$rev.SETEretOUTSAt56, p=0.975, method="historical")
SETE	57	125	1921	2018-10-27	2018-10-27	SETEretOUTSAt57<-ln(SETEapprx[125:1921]/lead(SETEapprx[125:1921], 1))[1:1796]	datSETEretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SETEretOUTSAt57))	SETEESSHIt57<-ES(datSETEretOUTSAt57$rev.SETEretOUTSAt57, p=0.975, method="historical")
SETE	58	124	1920	2018-10-28	2018-10-28	SETEretOUTSAt58<-ln(SETEapprx[124:1920]/lead(SETEapprx[124:1920], 1))[1:1796]	datSETEretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SETEretOUTSAt58))	SETEESSHIt58<-ES(datSETEretOUTSAt58$rev.SETEretOUTSAt58, p=0.975, method="historical")
SETE	59	123	1919	2018-10-29	2018-10-29	SETEretOUTSAt59<-ln(SETEapprx[123:1919]/lead(SETEapprx[123:1919], 1))[1:1796]	datSETEretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SETEretOUTSAt59))	SETEESSHIt59<-ES(datSETEretOUTSAt59$rev.SETEretOUTSAt59, p=0.975, method="historical")
SETE	60	122	1918	2018-10-30	2018-10-30	SETEretOUTSAt60<-ln(SETEapprx[122:1918]/lead(SETEapprx[122:1918], 1))[1:1796]	datSETEretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SETEretOUTSAt60))	SETEESSHIt60<-ES(datSETEretOUTSAt60$rev.SETEretOUTSAt60, p=0.975, method="historical")
SETE	61	121	1917	2018-10-31	2018-10-31	SETEretOUTSAt61<-ln(SETEapprx[121:1917]/lead(SETEapprx[121:1917], 1))[1:1796]	datSETEretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SETEretOUTSAt61))	SETEESSHIt61<-ES(datSETEretOUTSAt61$rev.SETEretOUTSAt61, p=0.975, method="historical")
SETE	62	120	1916	2018-11-01	2018-11-01	SETEretOUTSAt62<-ln(SETEapprx[120:1916]/lead(SETEapprx[120:1916], 1))[1:1796]	datSETEretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SETEretOUTSAt62))	SETEESSHIt62<-ES(datSETEretOUTSAt62$rev.SETEretOUTSAt62, p=0.975, method="historical")
SETE	63	119	1915	2018-11-02	2018-11-02	SETEretOUTSAt63<-ln(SETEapprx[119:1915]/lead(SETEapprx[119:1915], 1))[1:1796]	datSETEretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SETEretOUTSAt63))	SETEESSHIt63<-ES(datSETEretOUTSAt63$rev.SETEretOUTSAt63, p=0.975, method="historical")
SETE	64	118	1914	2018-11-03	2018-11-03	SETEretOUTSAt64<-ln(SETEapprx[118:1914]/lead(SETEapprx[118:1914], 1))[1:1796]	datSETEretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SETEretOUTSAt64))	SETEESSHIt64<-ES(datSETEretOUTSAt64$rev.SETEretOUTSAt64, p=0.975, method="historical")
SETE	65	117	1913	2018-11-04	2018-11-04	SETEretOUTSAt65<-ln(SETEapprx[117:1913]/lead(SETEapprx[117:1913], 1))[1:1796]	datSETEretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SETEretOUTSAt65))	SETEESSHIt65<-ES(datSETEretOUTSAt65$rev.SETEretOUTSAt65, p=0.975, method="historical")
SETE	66	116	1912	2018-11-05	2018-11-05	SETEretOUTSAt66<-ln(SETEapprx[116:1912]/lead(SETEapprx[116:1912], 1))[1:1796]	datSETEretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SETEretOUTSAt66))	SETEESSHIt66<-ES(datSETEretOUTSAt66$rev.SETEretOUTSAt66, p=0.975, method="historical")
SETE	67	115	1911	2018-11-06	2018-11-06	SETEretOUTSAt67<-ln(SETEapprx[115:1911]/lead(SETEapprx[115:1911], 1))[1:1796]	datSETEretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SETEretOUTSAt67))	SETEESSHIt67<-ES(datSETEretOUTSAt67$rev.SETEretOUTSAt67, p=0.975, method="historical")
SETE	68	114	1910	2018-11-07	2018-11-07	SETEretOUTSAt68<-ln(SETEapprx[114:1910]/lead(SETEapprx[114:1910], 1))[1:1796]	datSETEretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SETEretOUTSAt68))	SETEESSHIt68<-ES(datSETEretOUTSAt68$rev.SETEretOUTSAt68, p=0.975, method="historical")
SETE	69	113	1909	2018-11-08	2018-11-08	SETEretOUTSAt69<-ln(SETEapprx[113:1909]/lead(SETEapprx[113:1909], 1))[1:1796]	datSETEretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SETEretOUTSAt69))	SETEESSHIt69<-ES(datSETEretOUTSAt69$rev.SETEretOUTSAt69, p=0.975, method="historical")
SETE	70	112	1908	2018-11-09	2018-11-09	SETEretOUTSAt70<-ln(SETEapprx[112:1908]/lead(SETEapprx[112:1908], 1))[1:1796]	datSETEretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SETEretOUTSAt70))	SETEESSHIt70<-ES(datSETEretOUTSAt70$rev.SETEretOUTSAt70, p=0.975, method="historical")
SETE	71	111	1907	2018-11-10	2018-11-10	SETEretOUTSAt71<-ln(SETEapprx[111:1907]/lead(SETEapprx[111:1907], 1))[1:1796]	datSETEretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SETEretOUTSAt71))	SETEESSHIt71<-ES(datSETEretOUTSAt71$rev.SETEretOUTSAt71, p=0.975, method="historical")
SETE	72	110	1906	2018-11-11	2018-11-11	SETEretOUTSAt72<-ln(SETEapprx[110:1906]/lead(SETEapprx[110:1906], 1))[1:1796]	datSETEretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SETEretOUTSAt72))	SETEESSHIt72<-ES(datSETEretOUTSAt72$rev.SETEretOUTSAt72, p=0.975, method="historical")
SETE	73	109	1905	2018-11-12	2018-11-12	SETEretOUTSAt73<-ln(SETEapprx[109:1905]/lead(SETEapprx[109:1905], 1))[1:1796]	datSETEretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SETEretOUTSAt73))	SETEESSHIt73<-ES(datSETEretOUTSAt73$rev.SETEretOUTSAt73, p=0.975, method="historical")
SETE	74	108	1904	2018-11-13	2018-11-13	SETEret

SETE	130	52	1848	2019-01-08	2019-01-08	SETEretOUTSAt130:-ln(SETEapprx[52:1848]/lead(SETEapprx[52:1848], 1))[1:1796]	datSETEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SETEretOUTSAt130))	SETEESSHIt130<-ES(datSETEretOUTSAt130$rev.SETEretOUTSAt130, p=0.975, method="historical")
SETE	131	51	1847	2019-01-09	2019-01-09	SETEretOUTSAt131:-ln(SETEapprx[51:1847]/lead(SETEapprx[51:1847], 1))[1:1796]	datSETEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SETEretOUTSAt131))	SETEESSHIt131<-ES(datSETEretOUTSAt131$rev.SETEretOUTSAt131, p=0.975, method="historical")
SETE	132	50	1846	2019-01-10	2019-01-10	SETEretOUTSAt132:-ln(SETEapprx[50:1846]/lead(SETEapprx[50:1846], 1))[1:1796]	datSETEretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SETEretOUTSAt132))	SETEESSHIt132<-ES(datSETEretOUTSAt132$rev.SETEretOUTSAt132, p=0.975, method="historical")
SETE	133	49	1845	2019-01-11	2019-01-11	SETEretOUTSAt133:-ln(SETEapprx[49:1845]/lead(SETEapprx[49:1845], 1))[1:1796]	datSETEretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SETEretOUTSAt133))	SETEESSHIt133<-ES(datSETEretOUTSAt133$rev.SETEretOUTSAt133, p=0.975, method="historical")
SETE	134	48	1844	2019-01-12	2019-01-12	SETEretOUTSAt134:-ln(SETEapprx[48:1844]/lead(SETEapprx[48:1844], 1))[1:1796]	datSETEretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SETEretOUTSAt134))	SETEESSHIt134<-ES(datSETEretOUTSAt134$rev.SETEretOUTSAt134, p=0.975, method="historical")
SETE	135	47	1843	2019-01-13	2019-01-13	SETEretOUTSAt135:-ln(SETEapprx[47:1843]/lead(SETEapprx[47:1843], 1))[1:1796]	datSETEretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SETEretOUTSAt135))	SETEESSHIt135<-ES(datSETEretOUTSAt135$rev.SETEretOUTSAt135, p=0.975, method="historical")
SETE	136	46	1842	2019-01-14	2019-01-14	SETEretOUTSAt136:-ln(SETEapprx[46:1842]/lead(SETEapprx[46:1842], 1))[1:1796]	datSETEretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SETEretOUTSAt136))	SETEESSHIt136<-ES(datSETEretOUTSAt136$rev.SETEretOUTSAt136, p=0.975, method="historical")
SETE	137	45	1841	2019-01-15	2019-01-15	SETEretOUTSAt137:-ln(SETEapprx[45:1841]/lead(SETEapprx[45:1841], 1))[1:1796]	datSETEretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SETEretOUTSAt137))	SETEESSHIt137<-ES(datSETEretOUTSAt137$rev.SETEretOUTSAt137, p=0.975, method="historical")
SETE	138	44	1840	2019-01-16	2019-01-16	SETEretOUTSAt138:-ln(SETEapprx[44:1840]/lead(SETEapprx[44:1840], 1))[1:1796]	datSETEretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SETEretOUTSAt138))	SETEESSHIt138<-ES(datSETEretOUTSAt138$rev.SETEretOUTSAt138, p=0.975, method="historical")
SETE	139	43	1839	2019-01-17	2019-01-17	SETEretOUTSAt139:-ln(SETEapprx[43:1839]/lead(SETEapprx[43:1839], 1))[1:1796]	datSETEretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SETEretOUTSAt139))	SETEESSHIt139<-ES(datSETEretOUTSAt139$rev.SETEretOUTSAt139, p=0.975, method="historical")
SETE	140	42	1838	2019-01-18	2019-01-18	SETEretOUTSAt140:-ln(SETEapprx[42:1838]/lead(SETEapprx[42:1838], 1))[1:1796]	datSETEretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SETEretOUTSAt140))	SETEESSHIt140<-ES(datSETEretOUTSAt140$rev.SETEretOUTSAt140, p=0.975, method="historical")
SETE	141	41	1837	2019-01-19	2019-01-19	SETEretOUTSAt141:-ln(SETEapprx[41:1837]/lead(SETEapprx[41:1837], 1))[1:1796]	datSETEretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SETEretOUTSAt141))	SETEESSHIt141<-ES(datSETEretOUTSAt141$rev.SETEretOUTSAt141, p=0.975, method="historical")
SETE	142	40	1836	2019-01-20	2019-01-20	SETEretOUTSAt142:-ln(SETEapprx[40:1836]/lead(SETEapprx[40:1836], 1))[1:1796]	datSETEretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SETEretOUTSAt142))	SETEESSHIt142<-ES(datSETEretOUTSAt142$rev.SETEretOUTSAt142, p=0.975, method="historical")
SETE	143	39	1835	2019-01-21	2019-01-21	SETEretOUTSAt143:-ln(SETEapprx[39:1835]/lead(SETEapprx[39:1835], 1))[1:1796]	datSETEretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SETEretOUTSAt143))	SETEESSHIt143<-ES(datSETEretOUTSAt143$rev.SETEretOUTSAt143, p=0.975, method="historical")
SETE	144	38	1834	2019-01-22	2019-01-22	SETEretOUTSAt144:-ln(SETEapprx[38:1834]/lead(SETEapprx[38:1834], 1))[1:1796]	datSETEretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SETEretOUTSAt144))	SETEESSHIt144<-ES(datSETEretOUTSAt144$rev.SETEretOUTSAt144, p=0.975, method="historical")
SETE	145	37	1833	2019-01-23	2019-01-23	SETEretOUTSAt145:-ln(SETEapprx[37:1833]/lead(SETEapprx[37:1833], 1))[1:1796]	datSETEretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SETEretOUTSAt145))	SETEESSHIt145<-ES(datSETEretOUTSAt145$rev.SETEretOUTSAt145, p=0.975, method="historical")
SETE	146	36	1832	2019-01-24	2019-01-24	SETEretOUTSAt146:-ln(SETEapprx[36:1832]/lead(SETEapprx[36:1832], 1))[1:1796]	datSETEretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SETEretOUTSAt146))	SETEESSHIt146<-ES(datSETEretOUTSAt146$rev.SETEretOUTSAt146, p=0.975, method="historical")
SETE	147	35	1831	2019-01-25	2019-01-25	SETEretOUTSAt147:-ln(SETEapprx[35:1831]/lead(SETEapprx[35:1831], 1))[1:1796]	datSETEretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SETEretOUTSAt147))	SETEESSHIt147<-ES(datSETEretOUTSAt147$rev.SETEretOUTSAt147, p=0.975, method="historical")
SETE	148	34	1830	2019-01-26	2019-01-26	SETEretOUTSAt148:-ln(SETEapprx[34:1830]/lead(SETEapprx[34:1830], 1))[1:1796]	datSETEretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SETEretOUTSAt148))	SETEESSHIt148<-ES(datSETEretOUTSAt148$rev.SETEretOUTSAt148, p=0.975, method="historical")
SETE	149	33	1829	2019-01-27	2019-01-27	SETEretOUTSAt149:-ln(SETEapprx[33:1829]/lead(SETEapprx[33:1829], 1))[1:1796]	datSETEretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SETEretOUTSAt149))	SETEESSHIt149<-ES(datSETEretOUTSAt149$rev.SETEretOUTSAt149, p=0.975, method="historical")
SETE	150	32	1828	2019-01-28	2019-01-28	SETEretOUTSAt150:-ln(SETEapprx[32:1828]/lead(SETEapprx[32:1828], 1))[1:1796]	datSETEretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SETEretOUTSAt150))	SETEESSHIt150<-ES(datSETEretOUTSAt150$rev.SETEretOUTSAt150, p=0.975, method="historical")
SETE	151	31	1827	2019-01-29	2019-01-29	SETEretOUTSAt151:-ln(SETEapprx[31:1827]/lead(SETEapprx[31:1827], 1))[1:1796]	datSETEretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SETEretOUTSAt151))	SETEESSHIt151<-ES(datSETEretOUTSAt151$rev.SETEretOUTSAt151, p=0.975, method="historical")
SETE	152	30	1826	2019-01-30	2019-01-30	SETEretOUTSAt152:-ln(SETEapprx[30:1826]/lead(SETEapprx[30:1826], 1))[1:1796]	datSETEretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SETEretOUTSAt152))	SETEESSHIt152<-ES(datSETEretOUTSAt152$rev.SETEretOUTSAt152, p=0.975, method="historical")
SETE	153	29	1825	2019-01-31	2019-01-31	SETEretOUTSAt153:-ln(SETEapprx[29:1825]/lead(SETEapprx[29:1825], 1))[1:1796]	datSETEretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SETEretOUTSAt153))	SETEESSHIt153<-ES(datSETEretOUTSAt153$rev.SETEretOUTSAt153, p=0.975, method="historical")
SETE	154	28	1824	2019-02-01	2019-02-01	SETEretOUTSAt154:-ln(SETEapprx[28:1824]/lead(SETEapprx[28:1824], 1))[1:1796]	datSETEretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SETEretOUTSAt154))	SETEESSHIt154<-ES(datSETEretOUTSAt154$rev.SETEretOUTSAt154, p=0.975, method="historical")
SETE	155	27	1823	2019-02-02	2019-02-02	SETEretOUTSAt155:-ln(SETEapprx[27:1823]/lead(SETEapprx[27:1823], 1))[1:1796]	datSETEretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SETEretOUTSAt155))	SETEESSHIt155<-ES(datSETEretOUTSAt155$rev.SETEretOUTSAt155, p=0.975, method="historical")
SETE	156	26	1822	2019-02-03	2019-02-03	SETEretOUTSAt156:-ln(SETEapprx[26:1822]/lead(SETEapprx[26:1822], 1))[1:1796]	datSETEretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SETEretOUTSAt156))	SETEESSHIt156<-ES(datSETEretOUTSAt156$rev.SETEretOUTSAt156, p=0.975, method="historical")
SETE	157	25	1821	2019-02-04	2019-02-04	SETEretOUTSAt157:-ln(SETEapprx[25:1821]/lead(SETEapprx[25:1821], 1))[1:1796]	datSETEretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SETEretOUTSAt157))	SETEESSHIt157<-ES(datSETEretOUTSAt157$rev.SETEretOUTSAt157, p=0.975, method="historical")
SETE	158	24	1820	2019-02-05	2019-02-05	SETEretOUTSAt158:-ln(SETEapprx[24:1820]/lead(SETEapprx[24:1820], 1))[1:1796]	datSETEretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SETEretOUTSAt158))	SETEESSHIt158<-ES(datSETEretOUTSAt158$rev.SETEretOUTSAt158, p=0.975, method="historical")
SETE	159	23	1819	2019-02-06	2019-02-06	SETEretOUTSAt159:-ln(SETEapprx[23:1819]/lead(SETEapprx[23:1819], 1))[1:1796]	datSETEretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SETEretOUTSAt159))	SETEESSHIt159<-ES(datSETEretOUTSAt159$rev.SETEretOUTSAt159, p=0.975, method="historical")
SETE	160	22	1818	2019-02-07	2019-02-07	SETEretOUTSAt160:-ln(SETEapprx[22:1818]/lead(SETEapprx[22:1818], 1))[1:1796]	datSETEretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SETEretOUTSAt160))	SETEESSHIt160<-ES(datSETEretOUTSAt160$rev.SETEretOUTSAt160, p=0.975, method="historical")
SETE	161	21	1817	2019-02-08	2019-02-08	SETEretOUTSAt161:-ln(SETEapprx[21:1817]/lead(SETEapprx[21:1817], 1))[1:1796]	datSETEretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SETEretOUTSAt161))	SETEESSHIt161<-ES(datSETEretOUTSAt161$rev.SETEretOUTSAt161, p=0.975, method="historical")
SETE	162	20	1816	2019-02-09	2019-02-09	SETEretOUTSAt162:-ln(SETEapprx[20:1816]/lead(SETEapprx[20:1816], 1))[1:1796]	datSETEretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SETEretOUTSAt162))	SETEESSHIt162<-ES(datSETEretOUTSAt162$rev.SETEretOUTSAt162, p=0.975, method="historical")
SETE	163	19	1815	2019-02-10	2019-02-10	SETEretOUTSAt163:-ln(SETEapprx[19:1815]/lead(SETEapprx[19:1815], 1))[1:1796]	datSETEretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SETEretOUTSAt163))	SETEESSHIt163<-ES(datSETEretOUTSAt163$rev.SETEretOUTSAt163, p=0.975, method="historical")
SETE	164	18	1814	2019-02-11	2019-02-11	SETEretOUTSAt164:-ln(SETEapprx[18:1814]/lead(SETEapprx[18:1814], 1))[1:1796]	datSETEretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SETEretOUTSAt164))	SETEESSHIt164<-ES(datSETEretOUTSAt164$rev.SETEretOUTSAt164, p=0.975, method="historical")
SETE	165	17	1813	2019-02-12	2019-02-12	SETEretOUTSAt165:-ln(SETEapprx[17:1813]/lead(SETEapprx[17:1813], 1))[1:1796]	datSETEretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SETEretOUTSAt165))	SETEESSHIt165<-ES(datSETEretOUTSAt165$rev.SETEretOUTSAt165, p=0.975, method="historical")
SETE	166	16	1812	2019-02-13	2019-02-13	SETEretOUTSAt166:-ln(SETEapprx[16:1812]/lead(SETEapprx[16:1812], 1))[1:1796]	datSETEretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SETEretOUTSAt166))	SETEESSHIt166<-ES(datSETEretOUTSAt166$rev.SETEretOUTSAt166, p=0.975, method="historical")
SETE	167	15	1811	2019-02-14	2019-02-14	SETEretOUTSAt167:-ln(SETEapprx[15:1811]/lead(SETEapprx[15:1811], 1))[1:1796]	datSETEretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SETEretOUTSAt167))	SETEESSHIt167<-ES(datSETEretOUTSAt167$rev.SETEretOUTSAt167, p=0.975, method="historical")
SETE	168	14	1810	2019-02-15	2019-02-15	SETEretOUTSAt168:-ln(SETEapprx[14:1810]/lead(SETEapprx[14:1810], 1))[1:1796]	datSETEretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SETEretOUTSAt168))	SETEESSHIt168<-ES(datSETEretOUTSAt168$rev.SETEretOUTSAt168, p=0.975, method="historical")
SETE	169	13	1809	2019-02-16	2019-02-16	SETEretOUTSAt169:-ln(SETEapprx[13:1809]/lead(SETEapprx[13:1809], 1))[1:1796]	datSETEretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SETEretOUTSAt169))	SETEESSHIt169<-ES(datSETEretOUTSAt169$rev.SETEretOUTSAt169, p=0.975, method="historical")
SETE	170	12	1808	2019-02-17	2019-02-17	SETEretOUTSAt170:-ln(SETEapprx[12:1808]/lead(SETEapprx[12:1808], 1))[1:1796]	datSETEretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SETEretOUTSAt170))	SETEESSHIt170<-ES(datSETEretOUTSAt170$rev.SETEretOUTSAt170, p=0.975, method="historical")
SETE	171	11	1807	2019-02-18	2019-02-18	SETEretOUTSAt171:-ln(SETEapprx[11:1807]/lead(SETEapprx[11:1807], 1))[1:1796]	datSETEretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SETEretOUTSAt171))	SETEESSHIt171<-ES(datSETEretOUTSAt171$rev.SETEretOUTSAt171, p=0.975, method="historical")
SETE	172	10	1806	2019-02-19	2019-02-19	SETEretOUTSAt172:-ln(SETEapprx[10:1806]/lead(SETEapprx[10:1806], 1))[1:1796]	datSETEretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SETEretOUTSAt172))	SETEESSHIt172<-ES(datSETEretOUTSAt172$rev.SETEretOUTSAt172, p=0.975, method="historical")
SETE	173	9	1805	2019-02-20	2019-02-20	SETEretOUTSAt173:-ln(SETEapprx[9:1805]/lead(SETEapprx[9:1805], 1))[1:1796]	datSETEretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SETEretOUTSAt173))	SETEESSHIt173<-ES(datSETEretOUTSAt173$rev.SETEretOUTSAt173, p=0.975, method="historical")
SETE	174	8	1804	2019-02-21	2019-02-21	SETEretOUTSAt174:-ln(SETEapprx[8:1804]/lead(SETEapprx[8:1804], 1))[1:1796]	datSETEretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SETEretOUTSAt174))	SETEESSHIt174<-ES(datSETEretOUTSAt174$rev.SETEretOUTSAt174, p=0.975, method="historical")
SETE	175	7	1803	2019-02-22	2019-02-22	SETEretOUTSAt175:-ln(SETEapprx[7:1803]/lead(SETEapprx[7:1803], 1))[1:1796]	datSETEretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SETEretOUTSAt175))	SETEESSHIt175<-ES(datSETEretOUTSAt175$rev.SETEretOUTSAt175, p=0.975, method="historical")
SETE	176	6	1802	2019-02-23	2019-02-23	SETEretOUTSAt176:-ln(SETEapprx[6:1802]/lead(SETEapprx[6:1802], 1))[1:1796]	datSETEretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SETEretOUTSAt176))	SETEESSHIt176<-ES(datSETEretOUTSAt176$rev.SETEretOUTSAt176, p=0.975, method="historical")
SETE	177	5	1801	2019-02-24	2019-02-24	SETEretOUTSAt177:-ln(SETEapprx[5:1801]/lead(SETEapprx[5:1801], 1))[1:1796]	datSETEretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SETEretOUTSAt177))	SETEESSHIt177<-ES(datSETEretOUTSAt177$rev.SETEretOUTSAt177, p=0.975, method="historical")
SETE	178	4	1800	2019-02-25	2019-02-25	SETEretOUTSAt178:-ln(SETEapprx[4:1800]/lead(SETEapprx[4:1800], 1))[1:1796]	datSETEretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SETEretOUTSAt178))	SETEESSHIt178<-ES(datSETEretOUTSAt178$rev.SETEretOUTSAt178, p=0.975, method="historical")
SETE	179	3	1799	2019-02-26	2019-02-26	SETEretOUTSAt179:-ln(SETEapprx[3:1799]/lead(SETEapprx[3:1799], 1))[1:1796]	datSETEretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SETEretOUTSAt179))	SETEESSHIt179<-ES(datSETEretOUTSAt179$rev.SETEretOUTSAt179, p=0.975, method="historical")
SETE	180	2	1798	2019-02-27	2019-02-27	SETEretOUTSAt180:-ln(SETEapprx[2:1798]/lead(SETEapprx[2:1798], 1))[1:1796]	datSETEretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SETEretOUTSAt180))	SETEESSHIt180<-ES(datSETEretOUTSAt180$rev.SETEretOUTSAt180, p=0.975, method="historical")
SETE	181	1	1797	2019-02-28	2019-02-28	SETEretOUTSAt181:-ln(SETEapprx[1:1797]/lead(SETEapprx[1:1797], 1))[1:1796]	datSETEretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SETEretOUTSAt181))	SETEESSHIt181<-ES(datSETEretOUTSAt181$rev.SETEretOUTSAt181, p=0.975, method="historical")
SEBE								
SEBE	1	181	1977	2018-09-01	2018-09-01	SEBEretOUTSAt1:-ln(SEBEapprx[181:1977]/lead(SEBEapprx[181:1977], 1))[1:1796]	datSEBEretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SEBEretOUTSAt1))	SEBEESSHIt1<-ES(datSEBEretOUTSAt1$rev.SEBEretOUTSAt1, p=0.975, method="historical")
SEBE	2	180	1976	2018-09-02	2018-09-02	SEBEretOUTSAt2:-ln(SEBEapprx[180:1976]/lead(SEBEapprx[180:1976], 1))[1:1796]	datSEBEretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SEBEretOUTSAt2))	SEBEESSHIt2<-ES(datSEBEretOUTSAt2$rev.SEBEretOUTSAt2, p=0.975, method="historical")
SEBE	3	179	1975	2018-09-03	2018-09-03	SEBEretOUTSAt3:-ln(SEBEapprx[179:1975]/lead(SEBEapprx[179:1975], 1))[1:1796]	datSEBEretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SEBEretOUTSAt3))	SEBEESSHIt3<-ES(datSEBEretOUTSAt3$rev.SEBEretOUTSAt3, p=0.975, method="historical")
SEBE	4	178	1974	2018-09-04	2018-09-04	SEBEretOUTSAt4:-ln(SEBEapprx[178:1974]/lead(SEBEapprx[178:1974], 1))[1:1796]	datSEBEretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SEBEretOUTSAt4))	SEBEESSHIt4<-ES(datSEBEretOUTSAt4$rev.SEBEretOUTSAt4, p=0.975, method="historical")
SEBE	5	177	1973	2018-09-05	2018-09-05	SEBEretOUTSAt5:-ln(SEBEapprx[177:1973]/lead(SEBEapprx[177:1973], 1))[1:1796]	datSEBEretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SEBEretOUTSAt5))	SEBEESSHIt5<-ES(datSEBEretOUTSAt5$rev.SEBEretOUTSAt5, p=0.975, method="historical")
SEBE	6	176	1972	2018-09-06	2018-09-06	SEBEretOUTSAt6:-ln(SEBEapprx[176:1972]/lead(SEBEapprx[176:1972], 1))[1:1796]	datSEBEretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SEBEretOUTSAt6))	SEBEESSHIt6<-ES(datSEBEretOUTSAt6$rev.SEBEretOUTSAt6, p=0.975, method="historical")
SEBE	7	175	1971	2018-09-07	2018-09-07	SEBEretOUTSAt7:-ln(SEBEapprx[175:1971]/lead(SEBEapprx[175:1971], 1))[1:1796]	datSEBEretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SEBEretOUTSAt7))	SEBEESSHIt7<-ES(datSEBEretOUTSAt7$rev.SEBEretOUTSAt7, p=0.975, method="historical")
SEBE	8	174	1970	2018-09-08	2018-09-08	SEBEretOUTSAt8:-ln(SEBEapprx[174:1970]/lead(SEBEapprx[174:1970], 1))[1:1796]	datSEBEretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SEBEretOUTSAt8))	SEBEESSHIt8<-ES(datSEBEretOUTSAt8$rev.SEBEretOUTSAt8, p=0.975, method="historical")
SEBE	9	173	1969	2018-09-09	2018-09-09	SEBEretOUTSAt9:-ln(SEBEapprx[173:1969]/lead(SEBEapprx[173:1969], 1))[1:1796]	datSEBEretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SEBEretOUTSAt9))	SEBEESSHIt9<-ES(datSEBEretOUTSAt9$rev.SEBEretOUTSAt9, p=0.975, method="historical")
SEBE	10	172	1968	2018-09-10	2018-09-10	SEBEretOUTSAt10:-ln(SEBEapprx[172:1968]/lead(SEBEapprx[172:1968], 1))[1:1796]	datSEBEretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SEBEretOUTSAt10))	SEBEESSHIt10<-ES(datSEBEretOUTSAt10$rev.SEBEretOUTSAt10, p=0.975, method="historical")
SEBE	11	171	1967	2018-09-11	2018-09-11	SEBEretOUTSAt11:-ln(SEBEapprx[171:1967]/lead(SEBEapprx[171:1967], 1))[1:1796]	datSEBEretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SEBEretOUTSAt11))	SEBEESSHIt11<-ES(datSEBEretOUTSAt11$rev.SEBEretOUTSAt11, p=0.975, method="historical")
SEBE	12	170	1966	2018-09-12	2018-09-12	SEBEretOUTSAt12:-ln(SEBEapprx[170:1966]/lead(SEBEapprx[170:1966], 1))[1:1796]	datSEBEretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SEBEretOUTSAt12))	SEBEESSHIt12<-ES(datSEBEretOUTSAt12$rev.SEBEretOUTSAt12, p=0.975, method="historical")
SEBE	13	169	1965	2018-09-13	2018-09-13	SEBEretOUTSAt13:-ln(SEBEapprx[169:1965]/lead(SEBEapprx[169:1965], 1))[1:1796]	datSEBEretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SEBEretOUTSAt13))	SEBEESSHIt13<-ES(datSEBEretOUTSAt13$rev.SEBEretOUTSAt13, p=0.975, method="historical")
SEBE	14	168	1964	2018-09-14	2018-09-14	SEBEretOUTSAt14:-ln(SEBEapprx[168:1964]/lead(SEBEapprx[168:1964], 1))[1:1796]	datSEBEretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SEBEretOUTSAt14))	SEBEESSHIt14<-ES(datSEBEretOUTSAt14$rev.SEBEretOUTSAt14, p=0.975, method="historical")
SEBE	15	167	1963	2018-09-15	2018-09-15	SEBEretOUTSAt15:-ln(SEBEapprx[167:1963]/lead(SEBEapprx[167:1963], 1))[1:1796]	datSEBEretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SEBEretOUTSAt15))	SEBEESSHIt15<-ES(datSEBEretOUTSAt15$rev.SEBEretOUTSAt15, p=0.975, method="historical")
SEBE	16	166	1962	2018-09-16	2018-09-16	SEBEretOUTSAt16:-ln(SEBEapprx[166:1962]/lead(SEBEapprx[166:1962], 1))[1:1796]	datSEBEretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SEBEretOUTSAt16))	SEBEESSHIt16<-ES(datSEBEretOUTSAt16$rev.SEBEretOUTSAt16, p=0.975, method="historical")
SEBE	17	165	1961	2018-09-17	2018-09-17	SEBEretOUTSAt17:-ln(SEBEapprx[165:1961]/lead(SEBEapprx[165:1961], 1))[1:1796]	datSEBEretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SEBEretOUTSAt17))	SEBEESSHIt17<-ES(datSEBEretOUTSAt17$rev.SEBEretOUTSAt17, p=0.975, method="historical")
SEBE	18	164	1960	2018-09-18	2018-09-18	SEBEretOUTSAt18:-ln(SEBEapprx[164:1960]/lead(SEBEapprx[164:1960], 1))[1:1796]	datSEBEretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SEBEretOUTSAt18))	SEBEESSHIt18<-ES(datSEBEretOUTSAt18$rev.SEBEretOUTSAt18, p=0.975, method="historical")
SEBE	19	163	1959	2018-09-19	2018-09-19	SEBEretOUTSAt19:-ln(SEBEapprx[163:1959]/lead(SEBEapprx[163:1959], 1))[1:1796]	datSEBEretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SEBEretOUTSAt19))	SEBEESSHIt19<-ES(datSEBEretOUTSAt19$rev.SEBEretOUTSAt19, p=0.975, method="historical")
SEBE	20	162	1958	2018-09-20	2018-09-20	SEBEretOUTSAt20:-ln(SEBEapprx[162:1958]/lead(SEBEapprx[162:1958], 1))[1:1796]	datSEBEretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SEBEretOUTSAt20))	SEBEESSHIt20<-ES(datSEBEretOUTSAt20$rev.SEBEretOUTSAt20, p=0.975, method="historical")
SEBE	21	161	1957	2018-09-21	2018-09-21	SEBEretOUTSAt21:-ln

SEBE	76	106	1902	2018-11-15	2018-11-15	SEBEretOUTSAt76<-ln(SEBEapprx[106:1902]/lead(SEBEapprx[106:1902], 1))[1:1796]	datSEBEretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEBEretOUTSAt76))	SEBEESHIt76<-ES(datSEBEretOUTSAt76$rev.SEBEretOUTSAt76, p=0.975, method="historical")
SEBE	77	105	1901	2018-11-16	2018-11-16	SEBEretOUTSAt77<-ln(SEBEapprx[105:1901]/lead(SEBEapprx[105:1901], 1))[1:1796]	datSEBEretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEBEretOUTSAt77))	SEBEESHIt77<-ES(datSEBEretOUTSAt77$rev.SEBEretOUTSAt77, p=0.975, method="historical")
SEBE	78	104	1900	2018-11-17	2018-11-17	SEBEretOUTSAt78<-ln(SEBEapprx[104:1900]/lead(SEBEapprx[104:1900], 1))[1:1796]	datSEBEretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEBEretOUTSAt78))	SEBEESHIt78<-ES(datSEBEretOUTSAt78$rev.SEBEretOUTSAt78, p=0.975, method="historical")
SEBE	79	103	1899	2018-11-18	2018-11-18	SEBEretOUTSAt79<-ln(SEBEapprx[103:1899]/lead(SEBEapprx[103:1899], 1))[1:1796]	datSEBEretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEBEretOUTSAt79))	SEBEESHIt79<-ES(datSEBEretOUTSAt79$rev.SEBEretOUTSAt79, p=0.975, method="historical")
SEBE	80	102	1898	2018-11-19	2018-11-19	SEBEretOUTSAt80<-ln(SEBEapprx[102:1898]/lead(SEBEapprx[102:1898], 1))[1:1796]	datSEBEretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEBEretOUTSAt80))	SEBEESHIt80<-ES(datSEBEretOUTSAt80$rev.SEBEretOUTSAt80, p=0.975, method="historical")
SEBE	81	101	1897	2018-11-20	2018-11-20	SEBEretOUTSAt81<-ln(SEBEapprx[101:1897]/lead(SEBEapprx[101:1897], 1))[1:1796]	datSEBEretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEBEretOUTSAt81))	SEBEESHIt81<-ES(datSEBEretOUTSAt81$rev.SEBEretOUTSAt81, p=0.975, method="historical")
SEBE	82	100	1896	2018-11-21	2018-11-21	SEBEretOUTSAt82<-ln(SEBEapprx[100:1896]/lead(SEBEapprx[100:1896], 1))[1:1796]	datSEBEretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEBEretOUTSAt82))	SEBEESHIt82<-ES(datSEBEretOUTSAt82$rev.SEBEretOUTSAt82, p=0.975, method="historical")
SEBE	83	99	1895	2018-11-22	2018-11-22	SEBEretOUTSAt83<-ln(SEBEapprx[99:1895]/lead(SEBEapprx[99:1895], 1))[1:1796]	datSEBEretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEBEretOUTSAt83))	SEBEESHIt83<-ES(datSEBEretOUTSAt83$rev.SEBEretOUTSAt83, p=0.975, method="historical")
SEBE	84	98	1894	2018-11-23	2018-11-23	SEBEretOUTSAt84<-ln(SEBEapprx[98:1894]/lead(SEBEapprx[98:1894], 1))[1:1796]	datSEBEretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEBEretOUTSAt84))	SEBEESHIt84<-ES(datSEBEretOUTSAt84$rev.SEBEretOUTSAt84, p=0.975, method="historical")
SEBE	85	97	1893	2018-11-24	2018-11-24	SEBEretOUTSAt85<-ln(SEBEapprx[97:1893]/lead(SEBEapprx[97:1893], 1))[1:1796]	datSEBEretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEBEretOUTSAt85))	SEBEESHIt85<-ES(datSEBEretOUTSAt85$rev.SEBEretOUTSAt85, p=0.975, method="historical")
SEBE	86	96	1892	2018-11-25	2018-11-25	SEBEretOUTSAt86<-ln(SEBEapprx[96:1892]/lead(SEBEapprx[96:1892], 1))[1:1796]	datSEBEretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEBEretOUTSAt86))	SEBEESHIt86<-ES(datSEBEretOUTSAt86$rev.SEBEretOUTSAt86, p=0.975, method="historical")
SEBE	87	95	1891	2018-11-26	2018-11-26	SEBEretOUTSAt87<-ln(SEBEapprx[95:1891]/lead(SEBEapprx[95:1891], 1))[1:1796]	datSEBEretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEBEretOUTSAt87))	SEBEESHIt87<-ES(datSEBEretOUTSAt87$rev.SEBEretOUTSAt87, p=0.975, method="historical")
SEBE	88	94	1890	2018-11-27	2018-11-27	SEBEretOUTSAt88<-ln(SEBEapprx[94:1890]/lead(SEBEapprx[94:1890], 1))[1:1796]	datSEBEretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEBEretOUTSAt88))	SEBEESHIt88<-ES(datSEBEretOUTSAt88$rev.SEBEretOUTSAt88, p=0.975, method="historical")
SEBE	89	93	1889	2018-11-28	2018-11-28	SEBEretOUTSAt89<-ln(SEBEapprx[93:1889]/lead(SEBEapprx[93:1889], 1))[1:1796]	datSEBEretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEBEretOUTSAt89))	SEBEESHIt89<-ES(datSEBEretOUTSAt89$rev.SEBEretOUTSAt89, p=0.975, method="historical")
SEBE	90	92	1888	2018-11-29	2018-11-29	SEBEretOUTSAt90<-ln(SEBEapprx[92:1888]/lead(SEBEapprx[92:1888], 1))[1:1796]	datSEBEretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEBEretOUTSAt90))	SEBEESHIt90<-ES(datSEBEretOUTSAt90$rev.SEBEretOUTSAt90, p=0.975, method="historical")
SEBE	91	91	1887	2018-11-30	2018-11-30	SEBEretOUTSAt91<-ln(SEBEapprx[91:1887]/lead(SEBEapprx[91:1887], 1))[1:1796]	datSEBEretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEBEretOUTSAt91))	SEBEESHIt91<-ES(datSEBEretOUTSAt91$rev.SEBEretOUTSAt91, p=0.975, method="historical")
SEBE	92	90	1886	2018-12-01	2018-12-01	SEBEretOUTSAt92<-ln(SEBEapprx[90:1886]/lead(SEBEapprx[90:1886], 1))[1:1796]	datSEBEretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEBEretOUTSAt92))	SEBEESHIt92<-ES(datSEBEretOUTSAt92$rev.SEBEretOUTSAt92, p=0.975, method="historical")
SEBE	93	89	1885	2018-12-02	2018-12-02	SEBEretOUTSAt93<-ln(SEBEapprx[89:1885]/lead(SEBEapprx[89:1885], 1))[1:1796]	datSEBEretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEBEretOUTSAt93))	SEBEESHIt93<-ES(datSEBEretOUTSAt93$rev.SEBEretOUTSAt93, p=0.975, method="historical")
SEBE	94	88	1884	2018-12-03	2018-12-03	SEBEretOUTSAt94<-ln(SEBEapprx[88:1884]/lead(SEBEapprx[88:1884], 1))[1:1796]	datSEBEretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEBEretOUTSAt94))	SEBEESHIt94<-ES(datSEBEretOUTSAt94$rev.SEBEretOUTSAt94, p=0.975, method="historical")
SEBE	95	87	1883	2018-12-04	2018-12-04	SEBEretOUTSAt95<-ln(SEBEapprx[87:1883]/lead(SEBEapprx[87:1883], 1))[1:1796]	datSEBEretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEBEretOUTSAt95))	SEBEESHIt95<-ES(datSEBEretOUTSAt95$rev.SEBEretOUTSAt95, p=0.975, method="historical")
SEBE	96	86	1882	2018-12-05	2018-12-05	SEBEretOUTSAt96<-ln(SEBEapprx[86:1882]/lead(SEBEapprx[86:1882], 1))[1:1796]	datSEBEretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEBEretOUTSAt96))	SEBEESHIt96<-ES(datSEBEretOUTSAt96$rev.SEBEretOUTSAt96, p=0.975, method="historical")
SEBE	97	85	1881	2018-12-06	2018-12-06	SEBEretOUTSAt97<-ln(SEBEapprx[85:1881]/lead(SEBEapprx[85:1881], 1))[1:1796]	datSEBEretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEBEretOUTSAt97))	SEBEESHIt97<-ES(datSEBEretOUTSAt97$rev.SEBEretOUTSAt97, p=0.975, method="historical")
SEBE	98	84	1880	2018-12-07	2018-12-07	SEBEretOUTSAt98<-ln(SEBEapprx[84:1880]/lead(SEBEapprx[84:1880], 1))[1:1796]	datSEBEretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEBEretOUTSAt98))	SEBEESHIt98<-ES(datSEBEretOUTSAt98$rev.SEBEretOUTSAt98, p=0.975, method="historical")
SEBE	99	83	1879	2018-12-08	2018-12-08	SEBEretOUTSAt99<-ln(SEBEapprx[83:1879]/lead(SEBEapprx[83:1879], 1))[1:1796]	datSEBEretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEBEretOUTSAt99))	SEBEESHIt99<-ES(datSEBEretOUTSAt99$rev.SEBEretOUTSAt99, p=0.975, method="historical")
SEBE	100	82	1878	2018-12-09	2018-12-09	SEBEretOUTSAt100<-ln(SEBEapprx[82:1878]/lead(SEBEapprx[82:1878], 1))[1:1796]	datSEBEretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEBEretOUTSAt100))	SEBEESHIt100<-ES(datSEBEretOUTSAt100$rev.SEBEretOUTSAt100, p=0.975, method="historical")
SEBE	101	81	1877	2018-12-10	2018-12-10	SEBEretOUTSAt101<-ln(SEBEapprx[81:1877]/lead(SEBEapprx[81:1877], 1))[1:1796]	datSEBEretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEBEretOUTSAt101))	SEBEESHIt101<-ES(datSEBEretOUTSAt101$rev.SEBEretOUTSAt101, p=0.975, method="historical")
SEBE	102	80	1876	2018-12-11	2018-12-11	SEBEretOUTSAt102<-ln(SEBEapprx[80:1876]/lead(SEBEapprx[80:1876], 1))[1:1796]	datSEBEretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEBEretOUTSAt102))	SEBEESHIt102<-ES(datSEBEretOUTSAt102$rev.SEBEretOUTSAt102, p=0.975, method="historical")
SEBE	103	79	1875	2018-12-12	2018-12-12	SEBEretOUTSAt103<-ln(SEBEapprx[79:1875]/lead(SEBEapprx[79:1875], 1))[1:1796]	datSEBEretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEBEretOUTSAt103))	SEBEESHIt103<-ES(datSEBEretOUTSAt103$rev.SEBEretOUTSAt103, p=0.975, method="historical")
SEBE	104	78	1874	2018-12-13	2018-12-13	SEBEretOUTSAt104<-ln(SEBEapprx[78:1874]/lead(SEBEapprx[78:1874], 1))[1:1796]	datSEBEretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEBEretOUTSAt104))	SEBEESHIt104<-ES(datSEBEretOUTSAt104$rev.SEBEretOUTSAt104, p=0.975, method="historical")
SEBE	105	77	1873	2018-12-14	2018-12-14	SEBEretOUTSAt105<-ln(SEBEapprx[77:1873]/lead(SEBEapprx[77:1873], 1))[1:1796]	datSEBEretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEBEretOUTSAt105))	SEBEESHIt105<-ES(datSEBEretOUTSAt105$rev.SEBEretOUTSAt105, p=0.975, method="historical")
SEBE	106	76	1872	2018-12-15	2018-12-15	SEBEretOUTSAt106<-ln(SEBEapprx[76:1872]/lead(SEBEapprx[76:1872], 1))[1:1796]	datSEBEretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEBEretOUTSAt106))	SEBEESHIt106<-ES(datSEBEretOUTSAt106$rev.SEBEretOUTSAt106, p=0.975, method="historical")
SEBE	107	75	1871	2018-12-16	2018-12-16	SEBEretOUTSAt107<-ln(SEBEapprx[75:1871]/lead(SEBEapprx[75:1871], 1))[1:1796]	datSEBEretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEBEretOUTSAt107))	SEBEESHIt107<-ES(datSEBEretOUTSAt107$rev.SEBEretOUTSAt107, p=0.975, method="historical")
SEBE	108	74	1870	2018-12-17	2018-12-17	SEBEretOUTSAt108<-ln(SEBEapprx[74:1870]/lead(SEBEapprx[74:1870], 1))[1:1796]	datSEBEretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEBEretOUTSAt108))	SEBEESHIt108<-ES(datSEBEretOUTSAt108$rev.SEBEretOUTSAt108, p=0.975, method="historical")
SEBE	109	73	1869	2018-12-18	2018-12-18	SEBEretOUTSAt109<-ln(SEBEapprx[73:1869]/lead(SEBEapprx[73:1869], 1))[1:1796]	datSEBEretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEBEretOUTSAt109))	SEBEESHIt109<-ES(datSEBEretOUTSAt109$rev.SEBEretOUTSAt109, p=0.975, method="historical")
SEBE	110	72	1868	2018-12-19	2018-12-19	SEBEretOUTSAt110<-ln(SEBEapprx[72:1868]/lead(SEBEapprx[72:1868], 1))[1:1796]	datSEBEretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEBEretOUTSAt110))	SEBEESHIt110<-ES(datSEBEretOUTSAt110$rev.SEBEretOUTSAt110, p=0.975, method="historical")
SEBE	111	71	1867	2018-12-20	2018-12-20	SEBEretOUTSAt111<-ln(SEBEapprx[71:1867]/lead(SEBEapprx[71:1867], 1))[1:1796]	datSEBEretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEBEretOUTSAt111))	SEBEESHIt111<-ES(datSEBEretOUTSAt111$rev.SEBEretOUTSAt111, p=0.975, method="historical")
SEBE	112	70	1866	2018-12-21	2018-12-21	SEBEretOUTSAt112<-ln(SEBEapprx[70:1866]/lead(SEBEapprx[70:1866], 1))[1:1796]	datSEBEretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEBEretOUTSAt112))	SEBEESHIt112<-ES(datSEBEretOUTSAt112$rev.SEBEretOUTSAt112, p=0.975, method="historical")
SEBE	113	69	1865	2018-12-22	2018-12-22	SEBEretOUTSAt113<-ln(SEBEapprx[69:1865]/lead(SEBEapprx[69:1865], 1))[1:1796]	datSEBEretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SEBEretOUTSAt113))	SEBEESHIt113<-ES(datSEBEretOUTSAt113$rev.SEBEretOUTSAt113, p=0.975, method="historical")
SEBE	114	68	1864	2018-12-23	2018-12-23	SEBEretOUTSAt114<-ln(SEBEapprx[68:1864]/lead(SEBEapprx[68:1864], 1))[1:1796]	datSEBEretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SEBEretOUTSAt114))	SEBEESHIt114<-ES(datSEBEretOUTSAt114$rev.SEBEretOUTSAt114, p=0.975, method="historical")
SEBE	115	67	1863	2018-12-24	2018-12-24	SEBEretOUTSAt115<-ln(SEBEapprx[67:1863]/lead(SEBEapprx[67:1863], 1))[1:1796]	datSEBEretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SEBEretOUTSAt115))	SEBEESHIt115<-ES(datSEBEretOUTSAt115$rev.SEBEretOUTSAt115, p=0.975, method="historical")
SEBE	116	66	1862	2018-12-25	2018-12-25	SEBEretOUTSAt116<-ln(SEBEapprx[66:1862]/lead(SEBEapprx[66:1862], 1))[1:1796]	datSEBEretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SEBEretOUTSAt116))	SEBEESHIt116<-ES(datSEBEretOUTSAt116$rev.SEBEretOUTSAt116, p=0.975, method="historical")
SEBE	117	65	1861	2018-12-26	2018-12-26	SEBEretOUTSAt117<-ln(SEBEapprx[65:1861]/lead(SEBEapprx[65:1861], 1))[1:1796]	datSEBEretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SEBEretOUTSAt117))	SEBEESHIt117<-ES(datSEBEretOUTSAt117$rev.SEBEretOUTSAt117, p=0.975, method="historical")
SEBE	118	64	1860	2018-12-27	2018-12-27	SEBEretOUTSAt118<-ln(SEBEapprx[64:1860]/lead(SEBEapprx[64:1860], 1))[1:1796]	datSEBEretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SEBEretOUTSAt118))	SEBEESHIt118<-ES(datSEBEretOUTSAt118$rev.SEBEretOUTSAt118, p=0.975, method="historical")
SEBE	119	63	1859	2018-12-28	2018-12-28	SEBEretOUTSAt119<-ln(SEBEapprx[63:1859]/lead(SEBEapprx[63:1859], 1))[1:1796]	datSEBEretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SEBEretOUTSAt119))	SEBEESHIt119<-ES(datSEBEretOUTSAt119$rev.SEBEretOUTSAt119, p=0.975, method="historical")
SEBE	120	62	1858	2018-12-29	2018-12-29	SEBEretOUTSAt120<-ln(SEBEapprx[62:1858]/lead(SEBEapprx[62:1858], 1))[1:1796]	datSEBEretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SEBEretOUTSAt120))	SEBEESHIt120<-ES(datSEBEretOUTSAt120$rev.SEBEretOUTSAt120, p=0.975, method="historical")
SEBE	121	61	1857	2018-12-30	2018-12-30	SEBEretOUTSAt121<-ln(SEBEapprx[61:1857]/lead(SEBEapprx[61:1857], 1))[1:1796]	datSEBEretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SEBEretOUTSAt121))	SEBEESHIt121<-ES(datSEBEretOUTSAt121$rev.SEBEretOUTSAt121, p=0.975, method="historical")
SEBE	122	60	1856	2018-12-31	2018-12-31	SEBEretOUTSAt122<-ln(SEBEapprx[60:1856]/lead(SEBEapprx[60:1856], 1))[1:1796]	datSEBEretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SEBEretOUTSAt122))	SEBEESHIt122<-ES(datSEBEretOUTSAt122$rev.SEBEretOUTSAt122, p=0.975, method="historical")
SEBE	123	59	1855	2019-01-01	2019-01-01	SEBEretOUTSAt123<-ln(SEBEapprx[59:1855]/lead(SEBEapprx[59:1855], 1))[1:1796]	datSEBEretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SEBEretOUTSAt123))	SEBEESHIt123<-ES(datSEBEretOUTSAt123$rev.SEBEretOUTSAt123, p=0.975, method="historical")
SEBE	124	58	1854	2019-01-02	2019-01-02	SEBEretOUTSAt124<-ln(SEBEapprx[58:1854]/lead(SEBEapprx[58:1854], 1))[1:1796]	datSEBEretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SEBEretOUTSAt124))	SEBEESHIt124<-ES(datSEBEretOUTSAt124$rev.SEBEretOUTSAt124, p=0.975, method="historical")
SEBE	125	57	1853	2019-01-03	2019-01-03	SEBEretOUTSAt125<-ln(SEBEapprx[57:1853]/lead(SEBEapprx[57:1853], 1))[1:1796]	datSEBEretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SEBEretOUTSAt125))	SEBEESHIt125<-ES(datSEBEretOUTSAt125$rev.SEBEretOUTSAt125, p=0.975, method="historical")
SEBE	126	56	1852	2019-01-04	2019-01-04	SEBEretOUTSAt126<-ln(SEBEapprx[56:1852]/lead(SEBEapprx[56:1852], 1))[1:1796]	datSEBEretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SEBEretOUTSAt126))	SEBEESHIt126<-ES(datSEBEretOUTSAt126$rev.SEBEretOUTSAt126, p=0.975, method="historical")
SEBE	127	55	1851	2019-01-05	2019-01-05	SEBEretOUTSAt127<-ln(SEBEapprx[55:1851]/lead(SEBEapprx[55:1851], 1))[1:1796]	datSEBEretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SEBEretOUTSAt127))	SEBEESHIt127<-ES(datSEBEretOUTSAt127$rev.SEBEretOUTSAt127, p=0.975, method="historical")
SEBE	128	54	1850	2019-01-06	2019-01-06	SEBEretOUTSAt128<-ln(SEBEapprx[54:1850]/lead(SEBEapprx[54:1850], 1))[1:1796]	datSEBEretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SEBEretOUTSAt128))	SEBEESHIt128<-ES(datSEBEretOUTSAt128$rev.SEBEretOUTSAt128, p=0.975, method="historical")
SEBE	129	53	1849	2019-01-07	2019-01-07	SEBEretOUTSAt129<-ln(SEBEapprx[53:1849]/lead(SEBEapprx[53:1849], 1))[1:1796]	datSEBEretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SEBEretOUTSAt129))	SEBEESHIt129<-ES(datSEBEretOUTSAt129$rev.SEBEretOUTSAt129, p=0.975, method="historical")
SEBE	130	52	1848	2019-01-08	2019-01-08	SEBEretOUTSAt130<-ln(SEBEapprx[52:1848]/lead(SEBEapprx[52:1848], 1))[1:1796]	datSEBEretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SEBEretOUTSAt130))	SEBEESHIt130<-ES(datSEBEretOUTSAt130$rev.SEBEretOUTSAt130, p=0.975, method="historical")
SEBE	131	51	1847	2019-01-09	2019-01-09	SEBEretOUTSAt131<-ln(SEBEapprx[51:1847]/lead(SEBEapprx[51:1847], 1))[1:1796]	datSEBEretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SEBEretOUTSAt131))	SEBEESHIt131<-ES(datSEBEretOUTSAt131$rev.SEBEretOUTSAt131, p=0.975, method="historical")
SEBE	132	50	1846	2019-01-10	2019-01-10	SEBEretOUTSAt132<-ln(SEBEapprx[50:1846]/lead(SEBEapprx[50:1846], 1))[1:1796]	datSEBEretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SEBEretOUTSAt132))	SEBEESHIt132<-ES(datSEBEretOUTSAt132$rev.SEBEretOUTSAt132, p=0.975, method="historical")
SEBE	133	49	1845	2019-01-11	2019-01-11	SEBEretOUTSAt133<-ln(SEBEapprx[49:1845]/lead(SEBEapprx[49:1845], 1))[1:1796]	datSEBEretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SEBEretOUTSAt133))	SEBEESHIt133<-ES(datSEBEretOUTSAt133$rev.SEBEretOUTSAt133, p=0.975, method="historical")
SEBE	134	48	1844	2019-01-12	2019-01-12	SEBEretOUTSAt134<-ln(SEBEapprx[48:1844]/lead(SEBEapprx[48:1844], 1))[1:1796]	datSEBEretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SEBEretOUTSAt134))	SEBEESHIt134<-ES(datSEBEretOUTSAt134$rev.SEBEretOUTSAt134, p=0.975, method="historical")
SEBE	135	47	1843	2019-01-13	2019-01-13	SEBEretOUTSAt135<-ln(SEBEapprx[47:1843]/lead(SEBEapprx[47:1843], 1))[1:1796]	datSEBEretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SEBEretOUTSAt135))	SEBEESHIt135<-ES(datSEBEretOUTSAt135$rev.SEBEretOUTSAt135, p=0.975, method="historical")
SEBE	136	46	1842	2019-01-14	2019-01-14	SEBEretOUTSAt136<-ln(SEBEapprx[46:1842]/lead(SEBEapprx[46:1842], 1))[1:1796]	datSEBEretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SEBEretOUTSAt136))	SEBEESHIt136<-ES(datSEBEretOUTSAt136$rev.SEBEretOUTSAt136, p=0.975, method="historical")
SEBE	137	45	1841	2019-01-15	2019-01-15	SEBEretOUTSAt137<-ln(SEBEapprx[45:1841]/lead(SEBEapprx[45:1841], 1))[1:1796]	datSEBEretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SEBEretOUTSAt137))	SEBEESHIt137<-ES(datSEBEretOUTSAt137$rev.SEBEretOUTSAt137, p=0.975, method="historical")
SEBE	138	44	1840	2019-01-16	2019-01-16	SEBEretOUTSAt138<-ln(SEBEapprx[44:1840]/lead(SEBEapprx[44:1840], 1))[1:1796]	datSEBEretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SEBEretOUTSAt138))	SEBEESHIt138<-ES(datSEBEretOUTSAt138$rev.SEBEretOUTSAt138, p=0.975, method="historical")
SEBE	139	43	1839	2019-01-17	2019-01-17	SEBEretOUTSAt139<-ln(SEBEapprx[43:1839]/lead(SEBEapprx[43:1839], 1))[1:1796]	datSEBEretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SEBEretOUTSAt139))	SEBEESHIt139<-ES(datSEBEretOUTSAt139$rev.SEBEretOUTSAt139, p=0.975, method="historical")
SEBE	140	42	1838	2019-01-18	2019-01-18	SEBEretOUTSAt140<-ln(SEBEapprx[42:1838]/lead(SEBEapprx[42:1838], 1))[1:1796]	datSEBEretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SEBEretOUTSAt140))	SEBEESHIt140<-ES(datSEBEretOUTSAt140$rev.SEBEretOUTSAt140, p=0.975, method="historical")
SEBE	141	41	1837	2019-01-19	2019-01-19	SEBEretOUTSAt141<-ln(SEBEapprx[41:1837]/lead(SEBEapprx[41:1837], 1))[1:1796]	datSEBEretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SEBEretOUTSAt141))	SEBEESHIt141<-ES(datSEBEretOUTSAt141$rev.SEBEretOUTSAt141, p=0.975, method="historical")
SEBE	142	40	1836	2019-01-20	2019-01-20	SEBEretOUTSAt142<-ln(SEBEapprx[40:1836]/lead(SEBEapprx[40:1836], 1))[1:1796]	datSEBEretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SEBEretOUTSAt142))	SEBEESHIt142<-ES(datSEBEretOUTSAt142$rev.SEBEretOUTSAt142, p=0.975, method="historical")
SEBE	143	39	1835	2019-01-21	2019-01-21	SEBEretOUTSAt143<-ln(SEBEapprx[39:1835]/lead(SEBEapprx[39:1835], 1))[1:1796]	datSEBEretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SEBEretOUTSAt143))	SEBEESHIt143<-ES(datSEBEretOUTSAt143$rev.SEBEretOUTSAt143, p=0.975, method="historical")
SEBE	144	38	1834	2019-01-22	2019-01-22	SEBEretOUTSAt144<-ln(SEBEapprx[38:1834]/lead(SEBEapprx[38:1834], 1))[1:1796]	datSEBEretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SEBEretOUTSAt144))	SEBEESHIt144<-ES(datSEBEretOUTSAt144$rev.SEBEretOUTSAt144, p=0.975, method="historical")
SEBE	145	37	1833	2019-01-23	2019-01-23	SEBEretOUTSAt145<-ln(SEBEapprx[37:1833]/lead(SEBEapprx[37:1833], 1))[1:1796]	datSEBEretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SEBEretOUTSAt145))	SEBEESHIt145<-ES(datSEBEretOUTSAt145$rev.SEBEretOUTSAt145, p=0.975, method="historical")
SEBE	146	36	1832	2019-01-24	2019-01-24	SEBEretOUTSAt146<-ln(SEBEapprx[36:1832]/lead(SEBEapprx[36:1832], 1))[1:1796]	datSEBEretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date

SEET	22	160	1956	2018-09-22	2018-09-22	SEETretOUTSAt22<-ln(SEETaprx[160:1956]/lead(SEETaprx[160:1956], 1))[1:1796]	datSEETretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SEETretOUTSAt22))	SEETESHIt22<-ES(datSEETretOUTSAt22$rev.SEETretOUTSAt22, p=0.975, method="historical")
SEET	23	159	1955	2018-09-23	2018-09-23	SEETretOUTSAt23<-ln(SEETaprx[159:1955]/lead(SEETaprx[159:1955], 1))[1:1796]	datSEETretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SEETretOUTSAt23))	SEETESHIt23<-ES(datSEETretOUTSAt23$rev.SEETretOUTSAt23, p=0.975, method="historical")
SEET	24	158	1954	2018-09-24	2018-09-24	SEETretOUTSAt24<-ln(SEETaprx[158:1954]/lead(SEETaprx[158:1954], 1))[1:1796]	datSEETretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SEETretOUTSAt24))	SEETESHIt24<-ES(datSEETretOUTSAt24$rev.SEETretOUTSAt24, p=0.975, method="historical")
SEET	25	157	1953	2018-09-25	2018-09-25	SEETretOUTSAt25<-ln(SEETaprx[157:1953]/lead(SEETaprx[157:1953], 1))[1:1796]	datSEETretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SEETretOUTSAt25))	SEETESHIt25<-ES(datSEETretOUTSAt25$rev.SEETretOUTSAt25, p=0.975, method="historical")
SEET	26	156	1952	2018-09-26	2018-09-26	SEETretOUTSAt26<-ln(SEETaprx[156:1952]/lead(SEETaprx[156:1952], 1))[1:1796]	datSEETretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SEETretOUTSAt26))	SEETESHIt26<-ES(datSEETretOUTSAt26$rev.SEETretOUTSAt26, p=0.975, method="historical")
SEET	27	155	1951	2018-09-27	2018-09-27	SEETretOUTSAt27<-ln(SEETaprx[155:1951]/lead(SEETaprx[155:1951], 1))[1:1796]	datSEETretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SEETretOUTSAt27))	SEETESHIt27<-ES(datSEETretOUTSAt27$rev.SEETretOUTSAt27, p=0.975, method="historical")
SEET	28	154	1950	2018-09-28	2018-09-28	SEETretOUTSAt28<-ln(SEETaprx[154:1950]/lead(SEETaprx[154:1950], 1))[1:1796]	datSEETretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SEETretOUTSAt28))	SEETESHIt28<-ES(datSEETretOUTSAt28$rev.SEETretOUTSAt28, p=0.975, method="historical")
SEET	29	153	1949	2018-09-29	2018-09-29	SEETretOUTSAt29<-ln(SEETaprx[153:1949]/lead(SEETaprx[153:1949], 1))[1:1796]	datSEETretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SEETretOUTSAt29))	SEETESHIt29<-ES(datSEETretOUTSAt29$rev.SEETretOUTSAt29, p=0.975, method="historical")
SEET	30	152	1948	2018-09-30	2018-09-30	SEETretOUTSAt30<-ln(SEETaprx[152:1948]/lead(SEETaprx[152:1948], 1))[1:1796]	datSEETretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SEETretOUTSAt30))	SEETESHIt30<-ES(datSEETretOUTSAt30$rev.SEETretOUTSAt30, p=0.975, method="historical")
SEET	31	151	1947	2018-10-01	2018-10-01	SEETretOUTSAt31<-ln(SEETaprx[151:1947]/lead(SEETaprx[151:1947], 1))[1:1796]	datSEETretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SEETretOUTSAt31))	SEETESHIt31<-ES(datSEETretOUTSAt31$rev.SEETretOUTSAt31, p=0.975, method="historical")
SEET	32	150	1946	2018-10-02	2018-10-02	SEETretOUTSAt32<-ln(SEETaprx[150:1946]/lead(SEETaprx[150:1946], 1))[1:1796]	datSEETretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SEETretOUTSAt32))	SEETESHIt32<-ES(datSEETretOUTSAt32$rev.SEETretOUTSAt32, p=0.975, method="historical")
SEET	33	149	1945	2018-10-03	2018-10-03	SEETretOUTSAt33<-ln(SEETaprx[149:1945]/lead(SEETaprx[149:1945], 1))[1:1796]	datSEETretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SEETretOUTSAt33))	SEETESHIt33<-ES(datSEETretOUTSAt33$rev.SEETretOUTSAt33, p=0.975, method="historical")
SEET	34	148	1944	2018-10-04	2018-10-04	SEETretOUTSAt34<-ln(SEETaprx[148:1944]/lead(SEETaprx[148:1944], 1))[1:1796]	datSEETretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SEETretOUTSAt34))	SEETESHIt34<-ES(datSEETretOUTSAt34$rev.SEETretOUTSAt34, p=0.975, method="historical")
SEET	35	147	1943	2018-10-05	2018-10-05	SEETretOUTSAt35<-ln(SEETaprx[147:1943]/lead(SEETaprx[147:1943], 1))[1:1796]	datSEETretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SEETretOUTSAt35))	SEETESHIt35<-ES(datSEETretOUTSAt35$rev.SEETretOUTSAt35, p=0.975, method="historical")
SEET	36	146	1942	2018-10-06	2018-10-06	SEETretOUTSAt36<-ln(SEETaprx[146:1942]/lead(SEETaprx[146:1942], 1))[1:1796]	datSEETretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SEETretOUTSAt36))	SEETESHIt36<-ES(datSEETretOUTSAt36$rev.SEETretOUTSAt36, p=0.975, method="historical")
SEET	37	145	1941	2018-10-07	2018-10-07	SEETretOUTSAt37<-ln(SEETaprx[145:1941]/lead(SEETaprx[145:1941], 1))[1:1796]	datSEETretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SEETretOUTSAt37))	SEETESHIt37<-ES(datSEETretOUTSAt37$rev.SEETretOUTSAt37, p=0.975, method="historical")
SEET	38	144	1940	2018-10-08	2018-10-08	SEETretOUTSAt38<-ln(SEETaprx[144:1940]/lead(SEETaprx[144:1940], 1))[1:1796]	datSEETretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SEETretOUTSAt38))	SEETESHIt38<-ES(datSEETretOUTSAt38$rev.SEETretOUTSAt38, p=0.975, method="historical")
SEET	39	143	1939	2018-10-09	2018-10-09	SEETretOUTSAt39<-ln(SEETaprx[143:1939]/lead(SEETaprx[143:1939], 1))[1:1796]	datSEETretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SEETretOUTSAt39))	SEETESHIt39<-ES(datSEETretOUTSAt39$rev.SEETretOUTSAt39, p=0.975, method="historical")
SEET	40	142	1938	2018-10-10	2018-10-10	SEETretOUTSAt40<-ln(SEETaprx[142:1938]/lead(SEETaprx[142:1938], 1))[1:1796]	datSEETretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SEETretOUTSAt40))	SEETESHIt40<-ES(datSEETretOUTSAt40$rev.SEETretOUTSAt40, p=0.975, method="historical")
SEET	41	141	1937	2018-10-11	2018-10-11	SEETretOUTSAt41<-ln(SEETaprx[141:1937]/lead(SEETaprx[141:1937], 1))[1:1796]	datSEETretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SEETretOUTSAt41))	SEETESHIt41<-ES(datSEETretOUTSAt41$rev.SEETretOUTSAt41, p=0.975, method="historical")
SEET	42	140	1936	2018-10-12	2018-10-12	SEETretOUTSAt42<-ln(SEETaprx[140:1936]/lead(SEETaprx[140:1936], 1))[1:1796]	datSEETretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SEETretOUTSAt42))	SEETESHIt42<-ES(datSEETretOUTSAt42$rev.SEETretOUTSAt42, p=0.975, method="historical")
SEET	43	139	1935	2018-10-13	2018-10-13	SEETretOUTSAt43<-ln(SEETaprx[139:1935]/lead(SEETaprx[139:1935], 1))[1:1796]	datSEETretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEETretOUTSAt43))	SEETESHIt43<-ES(datSEETretOUTSAt43$rev.SEETretOUTSAt43, p=0.975, method="historical")
SEET	44	138	1934	2018-10-14	2018-10-14	SEETretOUTSAt44<-ln(SEETaprx[138:1934]/lead(SEETaprx[138:1934], 1))[1:1796]	datSEETretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEETretOUTSAt44))	SEETESHIt44<-ES(datSEETretOUTSAt44$rev.SEETretOUTSAt44, p=0.975, method="historical")
SEET	45	137	1933	2018-10-15	2018-10-15	SEETretOUTSAt45<-ln(SEETaprx[137:1933]/lead(SEETaprx[137:1933], 1))[1:1796]	datSEETretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEETretOUTSAt45))	SEETESHIt45<-ES(datSEETretOUTSAt45$rev.SEETretOUTSAt45, p=0.975, method="historical")
SEET	46	136	1932	2018-10-16	2018-10-16	SEETretOUTSAt46<-ln(SEETaprx[136:1932]/lead(SEETaprx[136:1932], 1))[1:1796]	datSEETretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEETretOUTSAt46))	SEETESHIt46<-ES(datSEETretOUTSAt46$rev.SEETretOUTSAt46, p=0.975, method="historical")
SEET	47	135	1931	2018-10-17	2018-10-17	SEETretOUTSAt47<-ln(SEETaprx[135:1931]/lead(SEETaprx[135:1931], 1))[1:1796]	datSEETretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEETretOUTSAt47))	SEETESHIt47<-ES(datSEETretOUTSAt47$rev.SEETretOUTSAt47, p=0.975, method="historical")
SEET	48	134	1930	2018-10-18	2018-10-18	SEETretOUTSAt48<-ln(SEETaprx[134:1930]/lead(SEETaprx[134:1930], 1))[1:1796]	datSEETretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEETretOUTSAt48))	SEETESHIt48<-ES(datSEETretOUTSAt48$rev.SEETretOUTSAt48, p=0.975, method="historical")
SEET	49	133	1929	2018-10-19	2018-10-19	SEETretOUTSAt49<-ln(SEETaprx[133:1929]/lead(SEETaprx[133:1929], 1))[1:1796]	datSEETretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEETretOUTSAt49))	SEETESHIt49<-ES(datSEETretOUTSAt49$rev.SEETretOUTSAt49, p=0.975, method="historical")
SEET	50	132	1928	2018-10-20	2018-10-20	SEETretOUTSAt50<-ln(SEETaprx[132:1928]/lead(SEETaprx[132:1928], 1))[1:1796]	datSEETretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEETretOUTSAt50))	SEETESHIt50<-ES(datSEETretOUTSAt50$rev.SEETretOUTSAt50, p=0.975, method="historical")
SEET	51	131	1927	2018-10-21	2018-10-21	SEETretOUTSAt51<-ln(SEETaprx[131:1927]/lead(SEETaprx[131:1927], 1))[1:1796]	datSEETretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEETretOUTSAt51))	SEETESHIt51<-ES(datSEETretOUTSAt51$rev.SEETretOUTSAt51, p=0.975, method="historical")
SEET	52	130	1926	2018-10-22	2018-10-22	SEETretOUTSAt52<-ln(SEETaprx[130:1926]/lead(SEETaprx[130:1926], 1))[1:1796]	datSEETretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEETretOUTSAt52))	SEETESHIt52<-ES(datSEETretOUTSAt52$rev.SEETretOUTSAt52, p=0.975, method="historical")
SEET	53	129	1925	2018-10-23	2018-10-23	SEETretOUTSAt53<-ln(SEETaprx[129:1925]/lead(SEETaprx[129:1925], 1))[1:1796]	datSEETretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEETretOUTSAt53))	SEETESHIt53<-ES(datSEETretOUTSAt53$rev.SEETretOUTSAt53, p=0.975, method="historical")
SEET	54	128	1924	2018-10-24	2018-10-24	SEETretOUTSAt54<-ln(SEETaprx[128:1924]/lead(SEETaprx[128:1924], 1))[1:1796]	datSEETretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEETretOUTSAt54))	SEETESHIt54<-ES(datSEETretOUTSAt54$rev.SEETretOUTSAt54, p=0.975, method="historical")
SEET	55	127	1923	2018-10-25	2018-10-25	SEETretOUTSAt55<-ln(SEETaprx[127:1923]/lead(SEETaprx[127:1923], 1))[1:1796]	datSEETretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SEETretOUTSAt55))	SEETESHIt55<-ES(datSEETretOUTSAt55$rev.SEETretOUTSAt55, p=0.975, method="historical")
SEET	56	126	1922	2018-10-26	2018-10-26	SEETretOUTSAt56<-ln(SEETaprx[126:1922]/lead(SEETaprx[126:1922], 1))[1:1796]	datSEETretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SEETretOUTSAt56))	SEETESHIt56<-ES(datSEETretOUTSAt56$rev.SEETretOUTSAt56, p=0.975, method="historical")
SEET	57	125	1921	2018-10-27	2018-10-27	SEETretOUTSAt57<-ln(SEETaprx[125:1921]/lead(SEETaprx[125:1921], 1))[1:1796]	datSEETretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SEETretOUTSAt57))	SEETESHIt57<-ES(datSEETretOUTSAt57$rev.SEETretOUTSAt57, p=0.975, method="historical")
SEET	58	124	1920	2018-10-28	2018-10-28	SEETretOUTSAt58<-ln(SEETaprx[124:1920]/lead(SEETaprx[124:1920], 1))[1:1796]	datSEETretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEETretOUTSAt58))	SEETESHIt58<-ES(datSEETretOUTSAt58$rev.SEETretOUTSAt58, p=0.975, method="historical")
SEET	59	123	1919	2018-10-29	2018-10-29	SEETretOUTSAt59<-ln(SEETaprx[123:1919]/lead(SEETaprx[123:1919], 1))[1:1796]	datSEETretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEETretOUTSAt59))	SEETESHIt59<-ES(datSEETretOUTSAt59$rev.SEETretOUTSAt59, p=0.975, method="historical")
SEET	60	122	1918	2018-10-30	2018-10-30	SEETretOUTSAt60<-ln(SEETaprx[122:1918]/lead(SEETaprx[122:1918], 1))[1:1796]	datSEETretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEETretOUTSAt60))	SEETESHIt60<-ES(datSEETretOUTSAt60$rev.SEETretOUTSAt60, p=0.975, method="historical")
SEET	61	121	1917	2018-10-31	2018-10-31	SEETretOUTSAt61<-ln(SEETaprx[121:1917]/lead(SEETaprx[121:1917], 1))[1:1796]	datSEETretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEETretOUTSAt61))	SEETESHIt61<-ES(datSEETretOUTSAt61$rev.SEETretOUTSAt61, p=0.975, method="historical")
SEET	62	120	1916	2018-11-01	2018-11-01	SEETretOUTSAt62<-ln(SEETaprx[120:1916]/lead(SEETaprx[120:1916], 1))[1:1796]	datSEETretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEETretOUTSAt62))	SEETESHIt62<-ES(datSEETretOUTSAt62$rev.SEETretOUTSAt62, p=0.975, method="historical")
SEET	63	119	1915	2018-11-02	2018-11-02	SEETretOUTSAt63<-ln(SEETaprx[119:1915]/lead(SEETaprx[119:1915], 1))[1:1796]	datSEETretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEETretOUTSAt63))	SEETESHIt63<-ES(datSEETretOUTSAt63$rev.SEETretOUTSAt63, p=0.975, method="historical")
SEET	64	118	1914	2018-11-03	2018-11-03	SEETretOUTSAt64<-ln(SEETaprx[118:1914]/lead(SEETaprx[118:1914], 1))[1:1796]	datSEETretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SEETretOUTSAt64))	SEETESHIt64<-ES(datSEETretOUTSAt64$rev.SEETretOUTSAt64, p=0.975, method="historical")
SEET	65	117	1913	2018-11-04	2018-11-04	SEETretOUTSAt65<-ln(SEETaprx[117:1913]/lead(SEETaprx[117:1913], 1))[1:1796]	datSEETretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SEETretOUTSAt65))	SEETESHIt65<-ES(datSEETretOUTSAt65$rev.SEETretOUTSAt65, p=0.975, method="historical")
SEET	66	116	1912	2018-11-05	2018-11-05	SEETretOUTSAt66<-ln(SEETaprx[116:1912]/lead(SEETaprx[116:1912], 1))[1:1796]	datSEETretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SEETretOUTSAt66))	SEETESHIt66<-ES(datSEETretOUTSAt66$rev.SEETretOUTSAt66, p=0.975, method="historical")
SEET	67	115	1911	2018-11-06	2018-11-06	SEETretOUTSAt67<-ln(SEETaprx[115:1911]/lead(SEETaprx[115:1911], 1))[1:1796]	datSEETretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEETretOUTSAt67))	SEETESHIt67<-ES(datSEETretOUTSAt67$rev.SEETretOUTSAt67, p=0.975, method="historical")
SEET	68	114	1910	2018-11-07	2018-11-07	SEETretOUTSAt68<-ln(SEETaprx[114:1910]/lead(SEETaprx[114:1910], 1))[1:1796]	datSEETretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEETretOUTSAt68))	SEETESHIt68<-ES(datSEETretOUTSAt68$rev.SEETretOUTSAt68, p=0.975, method="historical")
SEET	69	113	1909	2018-11-08	2018-11-08	SEETretOUTSAt69<-ln(SEETaprx[113:1909]/lead(SEETaprx[113:1909], 1))[1:1796]	datSEETretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEETretOUTSAt69))	SEETESHIt69<-ES(datSEETretOUTSAt69$rev.SEETretOUTSAt69, p=0.975, method="historical")
SEET	70	112	1908	2018-11-09	2018-11-09	SEETretOUTSAt70<-ln(SEETaprx[112:1908]/lead(SEETaprx[112:1908], 1))[1:1796]	datSEETretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEETretOUTSAt70))	SEETESHIt70<-ES(datSEETretOUTSAt70$rev.SEETretOUTSAt70, p=0.975, method="historical")
SEET	71	111	1907	2018-11-10	2018-11-10	SEETretOUTSAt71<-ln(SEETaprx[111:1907]/lead(SEETaprx[111:1907], 1))[1:1796]	datSEETretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEETretOUTSAt71))	SEETESHIt71<-ES(datSEETretOUTSAt71$rev.SEETretOUTSAt71, p=0.975, method="historical")
SEET	72	110	1906	2018-11-11	2018-11-11	SEETretOUTSAt72<-ln(SEETaprx[110:1906]/lead(SEETaprx[110:1906], 1))[1:1796]	datSEETretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEETretOUTSAt72))	SEETESHIt72<-ES(datSEETretOUTSAt72$rev.SEETretOUTSAt72, p=0.975, method="historical")
SEET	73	109	1905	2018-11-12	2018-11-12	SEETretOUTSAt73<-ln(SEETaprx[109:1905]/lead(SEETaprx[109:1905], 1))[1:1796]	datSEETretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEETretOUTSAt73))	SEETESHIt73<-ES(datSEETretOUTSAt73$rev.SEETretOUTSAt73, p=0.975, method="historical")
SEET	74	108	1904	2018-11-13	2018-11-13	SEETretOUTSAt74<-ln(SEETaprx[108:1904]/lead(SEETaprx[108:1904], 1))[1:1796]	datSEETretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SEETretOUTSAt74))	SEETESHIt74<-ES(datSEETretOUTSAt74$rev.SEETretOUTSAt74, p=0.975, method="historical")
SEET	75	107	1903	2018-11-14	2018-11-14	SEETretOUTSAt75<-ln(SEETaprx[107:1903]/lead(SEETaprx[107:1903], 1))[1:1796]	datSEETretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SEETretOUTSAt75))	SEETESHIt75<-ES(datSEETretOUTSAt75$rev.SEETretOUTSAt75, p=0.975, method="historical")
SEET	76	106	1902	2018-11-15	2018-11-15	SEETretOUTSAt76<-ln(SEETaprx[106:1902]/lead(SEETaprx[106:1902], 1))[1:1796]	datSEETretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEETretOUTSAt76))	SEETESHIt76<-ES(datSEETretOUTSAt76$rev.SEETretOUTSAt76, p=0.975, method="historical")
SEET	77	105	1901	2018-11-16	2018-11-16	SEETretOUTSAt77<-ln(SEETaprx[105:1901]/lead(SEETaprx[105:1901], 1))[1:1796]	datSEETretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEETretOUTSAt77))	SEETESHIt77<-ES(datSEETretOUTSAt77$rev.SEETretOUTSAt77, p=0.975, method="historical")
SEET	78	104	1900	2018-11-17	2018-11-17	SEETretOUTSAt78<-ln(SEETaprx[104:1900]/lead(SEETaprx[104:1900], 1))[1:1796]	datSEETretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEETretOUTSAt78))	SEETESHIt78<-ES(datSEETretOUTSAt78$rev.SEETretOUTSAt78, p=0.975, method="historical")
SEET	79	103	1899	2018-11-18	2018-11-18	SEETretOUTSAt79<-ln(SEETaprx[103:1899]/lead(SEETaprx[103:1899], 1))[1:1796]	datSEETretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEETretOUTSAt79))	SEETESHIt79<-ES(datSEETretOUTSAt79$rev.SEETretOUTSAt79, p=0.975, method="historical")
SEET	80	102	1898	2018-11-19	2018-11-19	SEETretOUTSAt80<-ln(SEETaprx[102:1898]/lead(SEETaprx[102:1898], 1))[1:1796]	datSEETretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEETretOUTSAt80))	SEETESHIt80<-ES(datSEETretOUTSAt80$rev.SEETretOUTSAt80, p=0.975, method="historical")
SEET	81	101	1897	2018-11-20	2018-11-20	SEETretOUTSAt81<-ln(SEETaprx[101:1897]/lead(SEETaprx[101:1897], 1))[1:1796]	datSEETretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEETretOUTSAt81))	SEETESHIt81<-ES(datSEETretOUTSAt81$rev.SEETretOUTSAt81, p=0.975, method="historical")
SEET	82	100	1896	2018-11-21	2018-11-21	SEETretOUTSAt82<-ln(SEETaprx[100:1896]/lead(SEETaprx[100:1896], 1))[1:1796]	datSEETretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEETretOUTSAt82))	SEETESHIt82<-ES(datSEETretOUTSAt82$rev.SEETretOUTSAt82, p=0.975, method="historical")
SEET	83	99	1895	2018-11-22	2018-11-22	SEETretOUTSAt83<-ln(SEETaprx[99:1895]/lead(SEETaprx[99:1895], 1))[1:1796]	datSEETretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEETretOUTSAt83))	SEETESHIt83<-ES(datSEETretOUTSAt83$rev.SEETretOUTSAt83, p=0.975, method="historical")
SEET	84	98	1894	2018-11-23	2018-11-23	SEETretOUTSAt84<-ln(SEETaprx[98:1894]/lead(SEETaprx[98:1894], 1))[1:1796]	datSEETretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEETretOUTSAt84))	SEETESHIt84<-ES(datSEETretOUTSAt84$rev.SEETretOUTSAt84, p=0.975, method="historical")
SEET	85	97	1893	2018-11-24	2018-11-24	SEETretOUTSAt85<-ln(SEETaprx[97:1893]/lead(SEETaprx[97:1893], 1))[1:1796]	datSEETretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEETretOUTSAt85))	SEETESHIt85<-ES(datSEETretOUTSAt85$rev.SEETretOUTSAt85, p=0.975, method="historical")
SEET	86	96	1892	2018-11-25	2018-11-25	SEETretOUTSAt86<-ln(SEETaprx[96:1892]/lead(SEETaprx[96:1892], 1))[1:1796]	datSEETretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEETretOUTSAt86))	SEETESHIt86<-ES(datSEETretOUTSAt86$rev.SEETretOUTSAt86, p=0.975, method="historical")
SEET	87	95	1891	2018-11-26	2018-11-26	SEETretOUTSAt87<-ln(SEETaprx[95:1891]/lead(SEETaprx[95:1891], 1))[1:1796]	datSEETretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEETretOUTSAt87))	SEETESHIt87<-ES(datSEETretOUTSAt87$rev.SEETretOUTSAt87, p=0.975, method="historical")
SEET	88	94	1890	2018-11-27	2018-11-27	SEETretOUTSAt88<-ln(SEETaprx[94:1890]/lead(SEETaprx[94:1890], 1))[1:1796]	datSEETretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEETretOUTSAt88))	SEETESHIt88<-ES(datSEETretOUTSAt88$rev.SEETretOUTSAt88, p=0.975, method="historical")
SEET	89	93	1889	2018-11-28	2018-11-28	SEETretOUTSAt89<-ln(SEETaprx[93:1889]/lead(SEETaprx[93:1889], 1))[1:1796]	datSEETretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEETretOUTSAt89))	SEETESHIt89<-ES(datSEETretOUTSAt89$rev.SEETretOUTSAt89, p=0.975, method="historical")
SEET	90	92	1888	2018-11-29	2018-11-29	SEETretOUTSAt90<-ln(SEETaprx[92:1888]/lead(SEETaprx[92:1888], 1))[1:1796]	datSEETretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEETretOUTSAt90))	SEETESHIt90<-ES(datSEETretOUTSAt90$rev.SEETretOUTSAt90, p=0.975, method="historical")
SEET	91	91	1887	2018-11-30	2018-11-30	SEETretOUTSAt91<-ln(SEETaprx[91:1887]/lead(SEETaprx[91:1887], 1))[1:1796]	datSEETretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEETretOUTSAt91))	SEETESHIt91<-ES(datSEETretOUTSAt91$rev.SEETretOUTSAt91, p=0.975, method="historical")
SEET	92	90	1886	2018-12-01	2018-12-01	SEETretOUTSAt92<-ln(SEETaprx[90:1886]/lead(SEETaprx[90:1886], 1))[1:1796]	datSEETretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEETretOUTSAt92))	SEETESHIt92<-ES(datSEETretOUTSAt92$rev.SEETretOUTSAt92, p=0.975, method="historical")
SEET	93	89	1885	2018-12-02	2018-12-02	SEETretOUTSAt93<-ln(SEETaprx[89:1885]/lead(SEETaprx[89:1885], 1))[1:1796]	datSEETretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEETretOUTSAt93))	SEETESHIt93<-ES(datSEETretOUTSAt93$rev.SEETretOUTSAt93, p=0.975, method="historical")
SEET	94	88	1884	2018-12-03	2018-12-03	SEETretOUTSAt94<-ln(SEETaprx[88:1884]/lead(SEETaprx[88:1884], 1))[1:1796]	datSEETretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEETretOUTSAt94))	SEETESHIt94<-ES(datSEETretOUTSAt94$rev.SEETretOUTSAt94, p=0.975, method="historical")
SEET	95	87	1883	2018-12-04	2018-12-04	SEETretOUTSAt95<-ln(SEETaprx[87:1883]/lead(SEETaprx[87:1883], 1))[1:1796]	datSEETretOUTSAt95<- data.frame(Date = seq(as

SEET	151	31	1827	2019-01-29	2019-01-29	SEETretOUTSAt151<-ln(SEETaprx[31:1827]/lead(SEETaprx[31:1827], 1))[1:1796]	datSEETretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SEETretOUTSAt151))	SEETESHIt151<-ES(datSEETretOUTSAt151$rev.SEETretOUTSAt151, p=0.975, method="historical")
SEET	152	30	1826	2019-01-30	2019-01-30	SEETretOUTSAt152<-ln(SEETaprx[30:1826]/lead(SEETaprx[30:1826], 1))[1:1796]	datSEETretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SEETretOUTSAt152))	SEETESHIt152<-ES(datSEETretOUTSAt152$rev.SEETretOUTSAt152, p=0.975, method="historical")
SEET	153	29	1825	2019-01-31	2019-01-31	SEETretOUTSAt153<-ln(SEETaprx[29:1825]/lead(SEETaprx[29:1825], 1))[1:1796]	datSEETretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SEETretOUTSAt153))	SEETESHIt153<-ES(datSEETretOUTSAt153$rev.SEETretOUTSAt153, p=0.975, method="historical")
SEET	154	28	1824	2019-02-01	2019-02-01	SEETretOUTSAt154<-ln(SEETaprx[28:1824]/lead(SEETaprx[28:1824], 1))[1:1796]	datSEETretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SEETretOUTSAt154))	SEETESHIt154<-ES(datSEETretOUTSAt154$rev.SEETretOUTSAt154, p=0.975, method="historical")
SEET	155	27	1823	2019-02-02	2019-02-02	SEETretOUTSAt155<-ln(SEETaprx[27:1823]/lead(SEETaprx[27:1823], 1))[1:1796]	datSEETretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SEETretOUTSAt155))	SEETESHIt155<-ES(datSEETretOUTSAt155$rev.SEETretOUTSAt155, p=0.975, method="historical")
SEET	156	26	1822	2019-02-03	2019-02-03	SEETretOUTSAt156<-ln(SEETaprx[26:1822]/lead(SEETaprx[26:1822], 1))[1:1796]	datSEETretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SEETretOUTSAt156))	SEETESHIt156<-ES(datSEETretOUTSAt156$rev.SEETretOUTSAt156, p=0.975, method="historical")
SEET	157	25	1821	2019-02-04	2019-02-04	SEETretOUTSAt157<-ln(SEETaprx[25:1821]/lead(SEETaprx[25:1821], 1))[1:1796]	datSEETretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SEETretOUTSAt157))	SEETESHIt157<-ES(datSEETretOUTSAt157$rev.SEETretOUTSAt157, p=0.975, method="historical")
SEET	158	24	1820	2019-02-05	2019-02-05	SEETretOUTSAt158<-ln(SEETaprx[24:1820]/lead(SEETaprx[24:1820], 1))[1:1796]	datSEETretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SEETretOUTSAt158))	SEETESHIt158<-ES(datSEETretOUTSAt158$rev.SEETretOUTSAt158, p=0.975, method="historical")
SEET	159	23	1819	2019-02-06	2019-02-06	SEETretOUTSAt159<-ln(SEETaprx[23:1819]/lead(SEETaprx[23:1819], 1))[1:1796]	datSEETretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SEETretOUTSAt159))	SEETESHIt159<-ES(datSEETretOUTSAt159$rev.SEETretOUTSAt159, p=0.975, method="historical")
SEET	160	22	1818	2019-02-07	2019-02-07	SEETretOUTSAt160<-ln(SEETaprx[22:1818]/lead(SEETaprx[22:1818], 1))[1:1796]	datSEETretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SEETretOUTSAt160))	SEETESHIt160<-ES(datSEETretOUTSAt160$rev.SEETretOUTSAt160, p=0.975, method="historical")
SEET	161	21	1817	2019-02-08	2019-02-08	SEETretOUTSAt161<-ln(SEETaprx[21:1817]/lead(SEETaprx[21:1817], 1))[1:1796]	datSEETretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SEETretOUTSAt161))	SEETESHIt161<-ES(datSEETretOUTSAt161$rev.SEETretOUTSAt161, p=0.975, method="historical")
SEET	162	20	1816	2019-02-09	2019-02-09	SEETretOUTSAt162<-ln(SEETaprx[20:1816]/lead(SEETaprx[20:1816], 1))[1:1796]	datSEETretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SEETretOUTSAt162))	SEETESHIt162<-ES(datSEETretOUTSAt162$rev.SEETretOUTSAt162, p=0.975, method="historical")
SEET	163	19	1815	2019-02-10	2019-02-10	SEETretOUTSAt163<-ln(SEETaprx[19:1815]/lead(SEETaprx[19:1815], 1))[1:1796]	datSEETretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SEETretOUTSAt163))	SEETESHIt163<-ES(datSEETretOUTSAt163$rev.SEETretOUTSAt163, p=0.975, method="historical")
SEET	164	18	1814	2019-02-11	2019-02-11	SEETretOUTSAt164<-ln(SEETaprx[18:1814]/lead(SEETaprx[18:1814], 1))[1:1796]	datSEETretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SEETretOUTSAt164))	SEETESHIt164<-ES(datSEETretOUTSAt164$rev.SEETretOUTSAt164, p=0.975, method="historical")
SEET	165	17	1813	2019-02-12	2019-02-12	SEETretOUTSAt165<-ln(SEETaprx[17:1813]/lead(SEETaprx[17:1813], 1))[1:1796]	datSEETretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SEETretOUTSAt165))	SEETESHIt165<-ES(datSEETretOUTSAt165$rev.SEETretOUTSAt165, p=0.975, method="historical")
SEET	166	16	1812	2019-02-13	2019-02-13	SEETretOUTSAt166<-ln(SEETaprx[16:1812]/lead(SEETaprx[16:1812], 1))[1:1796]	datSEETretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SEETretOUTSAt166))	SEETESHIt166<-ES(datSEETretOUTSAt166$rev.SEETretOUTSAt166, p=0.975, method="historical")
SEET	167	15	1811	2019-02-14	2019-02-14	SEETretOUTSAt167<-ln(SEETaprx[15:1811]/lead(SEETaprx[15:1811], 1))[1:1796]	datSEETretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SEETretOUTSAt167))	SEETESHIt167<-ES(datSEETretOUTSAt167$rev.SEETretOUTSAt167, p=0.975, method="historical")
SEET	168	14	1810	2019-02-15	2019-02-15	SEETretOUTSAt168<-ln(SEETaprx[14:1810]/lead(SEETaprx[14:1810], 1))[1:1796]	datSEETretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SEETretOUTSAt168))	SEETESHIt168<-ES(datSEETretOUTSAt168$rev.SEETretOUTSAt168, p=0.975, method="historical")
SEET	169	13	1809	2019-02-16	2019-02-16	SEETretOUTSAt169<-ln(SEETaprx[13:1809]/lead(SEETaprx[13:1809], 1))[1:1796]	datSEETretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SEETretOUTSAt169))	SEETESHIt169<-ES(datSEETretOUTSAt169$rev.SEETretOUTSAt169, p=0.975, method="historical")
SEET	170	12	1808	2019-02-17	2019-02-17	SEETretOUTSAt170<-ln(SEETaprx[12:1808]/lead(SEETaprx[12:1808], 1))[1:1796]	datSEETretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(SEETretOUTSAt170))	SEETESHIt170<-ES(datSEETretOUTSAt170$rev.SEETretOUTSAt170, p=0.975, method="historical")
SEET	171	11	1807	2019-02-18	2019-02-18	SEETretOUTSAt171<-ln(SEETaprx[11:1807]/lead(SEETaprx[11:1807], 1))[1:1796]	datSEETretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(SEETretOUTSAt171))	SEETESHIt171<-ES(datSEETretOUTSAt171$rev.SEETretOUTSAt171, p=0.975, method="historical")
SEET	172	10	1806	2019-02-19	2019-02-19	SEETretOUTSAt172<-ln(SEETaprx[10:1806]/lead(SEETaprx[10:1806], 1))[1:1796]	datSEETretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEETretOUTSAt172))	SEETESHIt172<-ES(datSEETretOUTSAt172$rev.SEETretOUTSAt172, p=0.975, method="historical")
SEET	173	9	1805	2019-02-20	2019-02-20	SEETretOUTSAt173<-ln(SEETaprx[9:1805]/lead(SEETaprx[9:1805], 1))[1:1796]	datSEETretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEETretOUTSAt173))	SEETESHIt173<-ES(datSEETretOUTSAt173$rev.SEETretOUTSAt173, p=0.975, method="historical")
SEET	174	8	1804	2019-02-21	2019-02-21	SEETretOUTSAt174<-ln(SEETaprx[8:1804]/lead(SEETaprx[8:1804], 1))[1:1796]	datSEETretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEETretOUTSAt174))	SEETESHIt174<-ES(datSEETretOUTSAt174$rev.SEETretOUTSAt174, p=0.975, method="historical")
SEET	175	7	1803	2019-02-22	2019-02-22	SEETretOUTSAt175<-ln(SEETaprx[7:1803]/lead(SEETaprx[7:1803], 1))[1:1796]	datSEETretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEETretOUTSAt175))	SEETESHIt175<-ES(datSEETretOUTSAt175$rev.SEETretOUTSAt175, p=0.975, method="historical")
SEET	176	6	1802	2019-02-23	2019-02-23	SEETretOUTSAt176<-ln(SEETaprx[6:1802]/lead(SEETaprx[6:1802], 1))[1:1796]	datSEETretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEETretOUTSAt176))	SEETESHIt176<-ES(datSEETretOUTSAt176$rev.SEETretOUTSAt176, p=0.975, method="historical")
SEET	177	5	1801	2019-02-24	2019-02-24	SEETretOUTSAt177<-ln(SEETaprx[5:1801]/lead(SEETaprx[5:1801], 1))[1:1796]	datSEETretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEETretOUTSAt177))	SEETESHIt177<-ES(datSEETretOUTSAt177$rev.SEETretOUTSAt177, p=0.975, method="historical")
SEET	178	4	1800	2019-02-25	2019-02-25	SEETretOUTSAt178<-ln(SEETaprx[4:1800]/lead(SEETaprx[4:1800], 1))[1:1796]	datSEETretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEETretOUTSAt178))	SEETESHIt178<-ES(datSEETretOUTSAt178$rev.SEETretOUTSAt178, p=0.975, method="historical")
SEET	179	3	1799	2019-02-26	2019-02-26	SEETretOUTSAt179<-ln(SEETaprx[3:1799]/lead(SEETaprx[3:1799], 1))[1:1796]	datSEETretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEETretOUTSAt179))	SEETESHIt179<-ES(datSEETretOUTSAt179$rev.SEETretOUTSAt179, p=0.975, method="historical")
SEET	180	2	1798	2019-02-27	2019-02-27	SEETretOUTSAt180<-ln(SEETaprx[2:1798]/lead(SEETaprx[2:1798], 1))[1:1796]	datSEETretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEETretOUTSAt180))	SEETESHIt180<-ES(datSEETretOUTSAt180$rev.SEETretOUTSAt180, p=0.975, method="historical")
SEET	181	1	1797	2019-02-28	2019-02-28	SEETretOUTSAt181<-ln(SEETaprx[1:1797]/lead(SEETaprx[1:1797], 1))[1:1796]	datSEETretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEETretOUTSAt181))	SEETESHIt181<-ES(datSEETretOUTSAt181$rev.SEETretOUTSAt181, p=0.975, method="historical")
#SECH								
SECH	1	181	1977	2018-09-01	2018-09-01	SECHretOUTSAt1<-ln(SECHaprx[181:1977]/lead(SECHaprx[181:1977], 1))[1:1796]	datSECHretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(SECHretOUTSAt1))	SECHESHIt1<-ES(datSECHretOUTSAt1$rev.SECHretOUTSAt1, p=0.975, method="historical")
SECH	2	180	1976	2018-09-02	2018-09-02	SECHretOUTSAt2<-ln(SECHaprx[180:1976]/lead(SECHaprx[180:1976], 1))[1:1796]	datSECHretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(SECHretOUTSAt2))	SECHESHIt2<-ES(datSECHretOUTSAt2$rev.SECHretOUTSAt2, p=0.975, method="historical")
SECH	3	179	1975	2018-09-03	2018-09-03	SECHretOUTSAt3<-ln(SECHaprx[179:1975]/lead(SECHaprx[179:1975], 1))[1:1796]	datSECHretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(SECHretOUTSAt3))	SECHESHIt3<-ES(datSECHretOUTSAt3$rev.SECHretOUTSAt3, p=0.975, method="historical")
SECH	4	178	1974	2018-09-04	2018-09-04	SECHretOUTSAt4<-ln(SECHaprx[178:1974]/lead(SECHaprx[178:1974], 1))[1:1796]	datSECHretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(SECHretOUTSAt4))	SECHESHIt4<-ES(datSECHretOUTSAt4$rev.SECHretOUTSAt4, p=0.975, method="historical")
SECH	5	177	1973	2018-09-05	2018-09-05	SECHretOUTSAt5<-ln(SECHaprx[177:1973]/lead(SECHaprx[177:1973], 1))[1:1796]	datSECHretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(SECHretOUTSAt5))	SECHESHIt5<-ES(datSECHretOUTSAt5$rev.SECHretOUTSAt5, p=0.975, method="historical")
SECH	6	176	1972	2018-09-06	2018-09-06	SECHretOUTSAt6<-ln(SECHaprx[176:1972]/lead(SECHaprx[176:1972], 1))[1:1796]	datSECHretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(SECHretOUTSAt6))	SECHESHIt6<-ES(datSECHretOUTSAt6$rev.SECHretOUTSAt6, p=0.975, method="historical")
SECH	7	175	1971	2018-09-07	2018-09-07	SECHretOUTSAt7<-ln(SECHaprx[175:1971]/lead(SECHaprx[175:1971], 1))[1:1796]	datSECHretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(SECHretOUTSAt7))	SECHESHIt7<-ES(datSECHretOUTSAt7$rev.SECHretOUTSAt7, p=0.975, method="historical")
SECH	8	174	1970	2018-09-08	2018-09-08	SECHretOUTSAt8<-ln(SECHaprx[174:1970]/lead(SECHaprx[174:1970], 1))[1:1796]	datSECHretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(SECHretOUTSAt8))	SECHESHIt8<-ES(datSECHretOUTSAt8$rev.SECHretOUTSAt8, p=0.975, method="historical")
SECH	9	173	1969	2018-09-09	2018-09-09	SECHretOUTSAt9<-ln(SECHaprx[173:1969]/lead(SECHaprx[173:1969], 1))[1:1796]	datSECHretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(SECHretOUTSAt9))	SECHESHIt9<-ES(datSECHretOUTSAt9$rev.SECHretOUTSAt9, p=0.975, method="historical")
SECH	10	172	1968	2018-09-10	2018-09-10	SECHretOUTSAt10<-ln(SECHaprx[172:1968]/lead(SECHaprx[172:1968], 1))[1:1796]	datSECHretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(SECHretOUTSAt10))	SECHESHIt10<-ES(datSECHretOUTSAt10$rev.SECHretOUTSAt10, p=0.975, method="historical")
SECH	11	171	1967	2018-09-11	2018-09-11	SECHretOUTSAt11<-ln(SECHaprx[171:1967]/lead(SECHaprx[171:1967], 1))[1:1796]	datSECHretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(SECHretOUTSAt11))	SECHESHIt11<-ES(datSECHretOUTSAt11$rev.SECHretOUTSAt11, p=0.975, method="historical")
SECH	12	170	1966	2018-09-12	2018-09-12	SECHretOUTSAt12<-ln(SECHaprx[170:1966]/lead(SECHaprx[170:1966], 1))[1:1796]	datSECHretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(SECHretOUTSAt12))	SECHESHIt12<-ES(datSECHretOUTSAt12$rev.SECHretOUTSAt12, p=0.975, method="historical")
SECH	13	169	1965	2018-09-13	2018-09-13	SECHretOUTSAt13<-ln(SECHaprx[169:1965]/lead(SECHaprx[169:1965], 1))[1:1796]	datSECHretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(SECHretOUTSAt13))	SECHESHIt13<-ES(datSECHretOUTSAt13$rev.SECHretOUTSAt13, p=0.975, method="historical")
SECH	14	168	1964	2018-09-14	2018-09-14	SECHretOUTSAt14<-ln(SECHaprx[168:1964]/lead(SECHaprx[168:1964], 1))[1:1796]	datSECHretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(SECHretOUTSAt14))	SECHESHIt14<-ES(datSECHretOUTSAt14$rev.SECHretOUTSAt14, p=0.975, method="historical")
SECH	15	167	1963	2018-09-15	2018-09-15	SECHretOUTSAt15<-ln(SECHaprx[167:1963]/lead(SECHaprx[167:1963], 1))[1:1796]	datSECHretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(SECHretOUTSAt15))	SECHESHIt15<-ES(datSECHretOUTSAt15$rev.SECHretOUTSAt15, p=0.975, method="historical")
SECH	16	166	1962	2018-09-16	2018-09-16	SECHretOUTSAt16<-ln(SECHaprx[166:1962]/lead(SECHaprx[166:1962], 1))[1:1796]	datSECHretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(SECHretOUTSAt16))	SECHESHIt16<-ES(datSECHretOUTSAt16$rev.SECHretOUTSAt16, p=0.975, method="historical")
SECH	17	165	1961	2018-09-17	2018-09-17	SECHretOUTSAt17<-ln(SECHaprx[165:1961]/lead(SECHaprx[165:1961], 1))[1:1796]	datSECHretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(SECHretOUTSAt17))	SECHESHIt17<-ES(datSECHretOUTSAt17$rev.SECHretOUTSAt17, p=0.975, method="historical")
SECH	18	164	1960	2018-09-18	2018-09-18	SECHretOUTSAt18<-ln(SECHaprx[164:1960]/lead(SECHaprx[164:1960], 1))[1:1796]	datSECHretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(SECHretOUTSAt18))	SECHESHIt18<-ES(datSECHretOUTSAt18$rev.SECHretOUTSAt18, p=0.975, method="historical")
SECH	19	163	1959	2018-09-19	2018-09-19	SECHretOUTSAt19<-ln(SECHaprx[163:1959]/lead(SECHaprx[163:1959], 1))[1:1796]	datSECHretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(SECHretOUTSAt19))	SECHESHIt19<-ES(datSECHretOUTSAt19$rev.SECHretOUTSAt19, p=0.975, method="historical")
SECH	20	162	1958	2018-09-20	2018-09-20	SECHretOUTSAt20<-ln(SECHaprx[162:1958]/lead(SECHaprx[162:1958], 1))[1:1796]	datSECHretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(SECHretOUTSAt20))	SECHESHIt20<-ES(datSECHretOUTSAt20$rev.SECHretOUTSAt20, p=0.975, method="historical")
SECH	21	161	1957	2018-09-21	2018-09-21	SECHretOUTSAt21<-ln(SECHaprx[161:1957]/lead(SECHaprx[161:1957], 1))[1:1796]	datSECHretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(SECHretOUTSAt21))	SECHESHIt21<-ES(datSECHretOUTSAt21$rev.SECHretOUTSAt21, p=0.975, method="historical")
SECH	22	160	1956	2018-09-22	2018-09-22	SECHretOUTSAt22<-ln(SECHaprx[160:1956]/lead(SECHaprx[160:1956], 1))[1:1796]	datSECHretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(SECHretOUTSAt22))	SECHESHIt22<-ES(datSECHretOUTSAt22$rev.SECHretOUTSAt22, p=0.975, method="historical")
SECH	23	159	1955	2018-09-23	2018-09-23	SECHretOUTSAt23<-ln(SECHaprx[159:1955]/lead(SECHaprx[159:1955], 1))[1:1796]	datSECHretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(SECHretOUTSAt23))	SECHESHIt23<-ES(datSECHretOUTSAt23$rev.SECHretOUTSAt23, p=0.975, method="historical")
SECH	24	158	1954	2018-09-24	2018-09-24	SECHretOUTSAt24<-ln(SECHaprx[158:1954]/lead(SECHaprx[158:1954], 1))[1:1796]	datSECHretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(SECHretOUTSAt24))	SECHESHIt24<-ES(datSECHretOUTSAt24$rev.SECHretOUTSAt24, p=0.975, method="historical")
SECH	25	157	1953	2018-09-25	2018-09-25	SECHretOUTSAt25<-ln(SECHaprx[157:1953]/lead(SECHaprx[157:1953], 1))[1:1796]	datSECHretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(SECHretOUTSAt25))	SECHESHIt25<-ES(datSECHretOUTSAt25$rev.SECHretOUTSAt25, p=0.975, method="historical")
SECH	26	156	1952	2018-09-26	2018-09-26	SECHretOUTSAt26<-ln(SECHaprx[156:1952]/lead(SECHaprx[156:1952], 1))[1:1796]	datSECHretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(SECHretOUTSAt26))	SECHESHIt26<-ES(datSECHretOUTSAt26$rev.SECHretOUTSAt26, p=0.975, method="historical")
SECH	27	155	1951	2018-09-27	2018-09-27	SECHretOUTSAt27<-ln(SECHaprx[155:1951]/lead(SECHaprx[155:1951], 1))[1:1796]	datSECHretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(SECHretOUTSAt27))	SECHESHIt27<-ES(datSECHretOUTSAt27$rev.SECHretOUTSAt27, p=0.975, method="historical")
SECH	28	154	1950	2018-09-28	2018-09-28	SECHretOUTSAt28<-ln(SECHaprx[154:1950]/lead(SECHaprx[154:1950], 1))[1:1796]	datSECHretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(SECHretOUTSAt28))	SECHESHIt28<-ES(datSECHretOUTSAt28$rev.SECHretOUTSAt28, p=0.975, method="historical")
SECH	29	153	1949	2018-09-29	2018-09-29	SECHretOUTSAt29<-ln(SECHaprx[153:1949]/lead(SECHaprx[153:1949], 1))[1:1796]	datSECHretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(SECHretOUTSAt29))	SECHESHIt29<-ES(datSECHretOUTSAt29$rev.SECHretOUTSAt29, p=0.975, method="historical")
SECH	30	152	1948	2018-09-30	2018-09-30	SECHretOUTSAt30<-ln(SECHaprx[152:1948]/lead(SECHaprx[152:1948], 1))[1:1796]	datSECHretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(SECHretOUTSAt30))	SECHESHIt30<-ES(datSECHretOUTSAt30$rev.SECHretOUTSAt30, p=0.975, method="historical")
SECH	31	151	1947	2018-10-01	2018-10-01	SECHretOUTSAt31<-ln(SECHaprx[151:1947]/lead(SECHaprx[151:1947], 1))[1:1796]	datSECHretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(SECHretOUTSAt31))	SECHESHIt31<-ES(datSECHretOUTSAt31$rev.SECHretOUTSAt31, p=0.975, method="historical")
SECH	32	150	1946	2018-10-02	2018-10-02	SECHretOUTSAt32<-ln(SECHaprx[150:1946]/lead(SECHaprx[150:1946], 1))[1:1796]	datSECHretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(SECHretOUTSAt32))	SECHESHIt32<-ES(datSECHretOUTSAt32$rev.SECHretOUTSAt32, p=0.975, method="historical")
SECH	33	149	1945	2018-10-03	2018-10-03	SECHretOUTSAt33<-ln(SECHaprx[149:1945]/lead(SECHaprx[149:1945], 1))[1:1796]	datSECHretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(SECHretOUTSAt33))	SECHESHIt33<-ES(datSECHretOUTSAt33$rev.SECHretOUTSAt33, p=0.975, method="historical")
SECH	34	148	1944	2018-10-04	2018-10-04	SECHretOUTSAt34<-ln(SECHaprx[148:1944]/lead(SECHaprx[148:1944], 1))[1:1796]	datSECHretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(SECHretOUTSAt34))	SECHESHIt34<-ES(datSECHretOUTSAt34$rev.SECHretOUTSAt34, p=0.975, method="historical")
SECH	35	147	1943	2018-10-05	2018-10-05	SECHretOUTSAt35<-ln(SECHaprx[147:1943]/lead(SECHaprx[147:1943], 1))[1:1796]	datSECHretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(SECHretOUTSAt35))	SECHESHIt35<-ES(datSECHretOUTSAt35$rev.SECHretOUTSAt35, p=0.975, method="historical")
SECH	36	146	1942	2018-10-06	2018-10-06	SECHretOUTSAt36<-ln(SECHaprx[146:1942]/lead(SECHaprx[146:1942], 1))[1:1796]	datSECHretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(SECHretOUTSAt36))	SECHESHIt36<-ES(datSECHretOUTSAt36$rev.SECHretOUTSAt36, p=0.975, method="historical")
SECH	37	145	1941	2018-10-07	2018-10-07	SECHretOUTSAt37<-ln(SECHaprx[145:1941]/lead(SECHaprx[145:1941], 1))[1:1796]	datSECHretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(SECHretOUTSAt37))	SECHESHIt37<-ES(datSECHretOUTSAt37$rev.SECHretOUTSAt37, p=0.975, method="historical")
SECH	38	144	1940	2018-10-08	2018-10-08	SECHretOUTSAt38<-ln(SECHaprx[144:1940]/lead(SECHaprx[144:1940], 1))[1:1796]	datSECHretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(SECHretOUTSAt38))	SECHESHIt38<-ES(datSECHretOUTSAt38$rev.SECHretOUTSAt38, p=0.975, method="historical")
SECH	39	143	1939	2018-10-09	2018-10-09	SECHretOUTSAt39<-ln(SECHaprx[143:1939]/lead(SECHaprx[143:1939], 1))[1:1796]	datSECHretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(SECHretOUTSAt39))	SECHESHIt39<-ES(datSECHretOUTSAt39$rev.SECHretOUTSAt39, p=0.975, method="historical")
SECH	40	142	1938	2018-10-10	2018-10-10	SECHretOUTSAt40<-ln(SECHaprx[142:1938]/lead(SECHaprx[142:1938], 1))[1:1796]	datSECHretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(SECHretOUTSAt40))	SECHESHIt40<-ES(datSECHretOUTSAt40$rev.SECHretOUTSAt40, p=0.975, method="historical")
SECH	41	141	1937	2018-10-11	2018-10-11	SECHretOUTSAt41<-ln(SECHaprx[141:1937]/lead(SECHaprx[141:1937], 1))[1:1796]	datSECHretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(SECHretOUTSAt41))	SECHESHIt41<-ES(datSECHretOUTSAt41$rev.SECHretOUTSAt41, p=0.975, method="historical")
SECH	42	140	1936	2018-10-12	2018-10-12	SECHretOUTSAt42<-ln(SECHaprx[140:1936]/lead(SECHaprx[140:1936], 1))[1:1796]	datSECHretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(SECHretOUTSAt42))	SECHESHIt42<-ES(datSECHretOUTSAt42$rev.SECHretOUTSAt42, p=0.975, method="historical")
SECH	43	139	1935	2018-10-13	2018-10-13	SECHretOUTSAt43<-ln(SECHaprx[139:1935]/lead(SECHaprx[139:1935], 1))[1:1796]

SECH	97	85	1881	2018-12-06	2018-12-06	SECHretOUTSAt97<-ln(SECHaprx[85:1881] /lead(SECHaprx[85:1881], 1))[1:1796]	datSECHretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SECHretOUTSAt97))	SECHESHIt97<-ES(datSECHretOUTSAt97$rev.SECHretOUTSAt97, p=0.975, method="historical")
SECH	98	84	1880	2018-12-07	2018-12-07	SECHretOUTSAt98<-ln(SECHaprx[84:1880] /lead(SECHaprx[84:1880], 1))[1:1796]	datSECHretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SECHretOUTSAt98))	SECHESHIt98<-ES(datSECHretOUTSAt98$rev.SECHretOUTSAt98, p=0.975, method="historical")
SECH	99	83	1879	2018-12-08	2018-12-08	SECHretOUTSAt99<-ln(SECHaprx[83:1879] /lead(SECHaprx[83:1879], 1))[1:1796]	datSECHretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SECHretOUTSAt99))	SECHESHIt99<-ES(datSECHretOUTSAt99$rev.SECHretOUTSAt99, p=0.975, method="historical")
SECH	100	82	1878	2018-12-09	2018-12-09	SECHretOUTSAt100<-ln(SECHaprx[82:1878] /lead(SECHaprx[82:1878], 1))[1:1796]	datSECHretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SECHretOUTSAt100))	SECHESHIt100<-ES(datSECHretOUTSAt100$rev.SECHretOUTSAt100, p=0.975, method="historical")
SECH	101	81	1877	2018-12-10	2018-12-10	SECHretOUTSAt101<-ln(SECHaprx[81:1877] /lead(SECHaprx[81:1877], 1))[1:1796]	datSECHretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SECHretOUTSAt101))	SECHESHIt101<-ES(datSECHretOUTSAt101$rev.SECHretOUTSAt101, p=0.975, method="historical")
SECH	102	80	1876	2018-12-11	2018-12-11	SECHretOUTSAt102<-ln(SECHaprx[80:1876] /lead(SECHaprx[80:1876], 1))[1:1796]	datSECHretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SECHretOUTSAt102))	SECHESHIt102<-ES(datSECHretOUTSAt102$rev.SECHretOUTSAt102, p=0.975, method="historical")
SECH	103	79	1875	2018-12-12	2018-12-12	SECHretOUTSAt103<-ln(SECHaprx[79:1875] /lead(SECHaprx[79:1875], 1))[1:1796]	datSECHretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SECHretOUTSAt103))	SECHESHIt103<-ES(datSECHretOUTSAt103$rev.SECHretOUTSAt103, p=0.975, method="historical")
SECH	104	78	1874	2018-12-13	2018-12-13	SECHretOUTSAt104<-ln(SECHaprx[78:1874] /lead(SECHaprx[78:1874], 1))[1:1796]	datSECHretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SECHretOUTSAt104))	SECHESHIt104<-ES(datSECHretOUTSAt104$rev.SECHretOUTSAt104, p=0.975, method="historical")
SECH	105	77	1873	2018-12-14	2018-12-14	SECHretOUTSAt105<-ln(SECHaprx[77:1873] /lead(SECHaprx[77:1873], 1))[1:1796]	datSECHretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SECHretOUTSAt105))	SECHESHIt105<-ES(datSECHretOUTSAt105$rev.SECHretOUTSAt105, p=0.975, method="historical")
SECH	106	76	1872	2018-12-15	2018-12-15	SECHretOUTSAt106<-ln(SECHaprx[76:1872] /lead(SECHaprx[76:1872], 1))[1:1796]	datSECHretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SECHretOUTSAt106))	SECHESHIt106<-ES(datSECHretOUTSAt106$rev.SECHretOUTSAt106, p=0.975, method="historical")
SECH	107	75	1871	2018-12-16	2018-12-16	SECHretOUTSAt107<-ln(SECHaprx[75:1871] /lead(SECHaprx[75:1871], 1))[1:1796]	datSECHretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SECHretOUTSAt107))	SECHESHIt107<-ES(datSECHretOUTSAt107$rev.SECHretOUTSAt107, p=0.975, method="historical")
SECH	108	74	1870	2018-12-17	2018-12-17	SECHretOUTSAt108<-ln(SECHaprx[74:1870] /lead(SECHaprx[74:1870], 1))[1:1796]	datSECHretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SECHretOUTSAt108))	SECHESHIt108<-ES(datSECHretOUTSAt108$rev.SECHretOUTSAt108, p=0.975, method="historical")
SECH	109	73	1869	2018-12-18	2018-12-18	SECHretOUTSAt109<-ln(SECHaprx[73:1869] /lead(SECHaprx[73:1869], 1))[1:1796]	datSECHretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SECHretOUTSAt109))	SECHESHIt109<-ES(datSECHretOUTSAt109$rev.SECHretOUTSAt109, p=0.975, method="historical")
SECH	110	72	1868	2018-12-19	2018-12-19	SECHretOUTSAt110<-ln(SECHaprx[72:1868] /lead(SECHaprx[72:1868], 1))[1:1796]	datSECHretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SECHretOUTSAt110))	SECHESHIt110<-ES(datSECHretOUTSAt110$rev.SECHretOUTSAt110, p=0.975, method="historical")
SECH	111	71	1867	2018-12-20	2018-12-20	SECHretOUTSAt111<-ln(SECHaprx[71:1867] /lead(SECHaprx[71:1867], 1))[1:1796]	datSECHretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SECHretOUTSAt111))	SECHESHIt111<-ES(datSECHretOUTSAt111$rev.SECHretOUTSAt111, p=0.975, method="historical")
SECH	112	70	1866	2018-12-21	2018-12-21	SECHretOUTSAt112<-ln(SECHaprx[70:1866] /lead(SECHaprx[70:1866], 1))[1:1796]	datSECHretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SECHretOUTSAt112))	SECHESHIt112<-ES(datSECHretOUTSAt112$rev.SECHretOUTSAt112, p=0.975, method="historical")
SECH	113	69	1865	2018-12-22	2018-12-22	SECHretOUTSAt113<-ln(SECHaprx[69:1865] /lead(SECHaprx[69:1865], 1))[1:1796]	datSECHretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(SECHretOUTSAt113))	SECHESHIt113<-ES(datSECHretOUTSAt113$rev.SECHretOUTSAt113, p=0.975, method="historical")
SECH	114	68	1864	2018-12-23	2018-12-23	SECHretOUTSAt114<-ln(SECHaprx[68:1864] /lead(SECHaprx[68:1864], 1))[1:1796]	datSECHretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(SECHretOUTSAt114))	SECHESHIt114<-ES(datSECHretOUTSAt114$rev.SECHretOUTSAt114, p=0.975, method="historical")
SECH	115	67	1863	2018-12-24	2018-12-24	SECHretOUTSAt115<-ln(SECHaprx[67:1863] /lead(SECHaprx[67:1863], 1))[1:1796]	datSECHretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(SECHretOUTSAt115))	SECHESHIt115<-ES(datSECHretOUTSAt115$rev.SECHretOUTSAt115, p=0.975, method="historical")
SECH	116	66	1862	2018-12-25	2018-12-25	SECHretOUTSAt116<-ln(SECHaprx[66:1862] /lead(SECHaprx[66:1862], 1))[1:1796]	datSECHretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(SECHretOUTSAt116))	SECHESHIt116<-ES(datSECHretOUTSAt116$rev.SECHretOUTSAt116, p=0.975, method="historical")
SECH	117	65	1861	2018-12-26	2018-12-26	SECHretOUTSAt117<-ln(SECHaprx[65:1861] /lead(SECHaprx[65:1861], 1))[1:1796]	datSECHretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(SECHretOUTSAt117))	SECHESHIt117<-ES(datSECHretOUTSAt117$rev.SECHretOUTSAt117, p=0.975, method="historical")
SECH	118	64	1860	2018-12-27	2018-12-27	SECHretOUTSAt118<-ln(SECHaprx[64:1860] /lead(SECHaprx[64:1860], 1))[1:1796]	datSECHretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(SECHretOUTSAt118))	SECHESHIt118<-ES(datSECHretOUTSAt118$rev.SECHretOUTSAt118, p=0.975, method="historical")
SECH	119	63	1859	2018-12-28	2018-12-28	SECHretOUTSAt119<-ln(SECHaprx[63:1859] /lead(SECHaprx[63:1859], 1))[1:1796]	datSECHretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(SECHretOUTSAt119))	SECHESHIt119<-ES(datSECHretOUTSAt119$rev.SECHretOUTSAt119, p=0.975, method="historical")
SECH	120	62	1858	2018-12-29	2018-12-29	SECHretOUTSAt120<-ln(SECHaprx[62:1858] /lead(SECHaprx[62:1858], 1))[1:1796]	datSECHretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(SECHretOUTSAt120))	SECHESHIt120<-ES(datSECHretOUTSAt120$rev.SECHretOUTSAt120, p=0.975, method="historical")
SECH	121	61	1857	2018-12-30	2018-12-30	SECHretOUTSAt121<-ln(SECHaprx[61:1857] /lead(SECHaprx[61:1857], 1))[1:1796]	datSECHretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(SECHretOUTSAt121))	SECHESHIt121<-ES(datSECHretOUTSAt121$rev.SECHretOUTSAt121, p=0.975, method="historical")
SECH	122	60	1856	2018-12-31	2018-12-31	SECHretOUTSAt122<-ln(SECHaprx[60:1856] /lead(SECHaprx[60:1856], 1))[1:1796]	datSECHretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(SECHretOUTSAt122))	SECHESHIt122<-ES(datSECHretOUTSAt122$rev.SECHretOUTSAt122, p=0.975, method="historical")
SECH	123	59	1855	2019-01-01	2019-01-01	SECHretOUTSAt123<-ln(SECHaprx[59:1855] /lead(SECHaprx[59:1855], 1))[1:1796]	datSECHretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(SECHretOUTSAt123))	SECHESHIt123<-ES(datSECHretOUTSAt123$rev.SECHretOUTSAt123, p=0.975, method="historical")
SECH	124	58	1854	2019-01-02	2019-01-02	SECHretOUTSAt124<-ln(SECHaprx[58:1854] /lead(SECHaprx[58:1854], 1))[1:1796]	datSECHretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(SECHretOUTSAt124))	SECHESHIt124<-ES(datSECHretOUTSAt124$rev.SECHretOUTSAt124, p=0.975, method="historical")
SECH	125	57	1853	2019-01-03	2019-01-03	SECHretOUTSAt125<-ln(SECHaprx[57:1853] /lead(SECHaprx[57:1853], 1))[1:1796]	datSECHretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(SECHretOUTSAt125))	SECHESHIt125<-ES(datSECHretOUTSAt125$rev.SECHretOUTSAt125, p=0.975, method="historical")
SECH	126	56	1852	2019-01-04	2019-01-04	SECHretOUTSAt126<-ln(SECHaprx[56:1852] /lead(SECHaprx[56:1852], 1))[1:1796]	datSECHretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(SECHretOUTSAt126))	SECHESHIt126<-ES(datSECHretOUTSAt126$rev.SECHretOUTSAt126, p=0.975, method="historical")
SECH	127	55	1851	2019-01-05	2019-01-05	SECHretOUTSAt127<-ln(SECHaprx[55:1851] /lead(SECHaprx[55:1851], 1))[1:1796]	datSECHretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(SECHretOUTSAt127))	SECHESHIt127<-ES(datSECHretOUTSAt127$rev.SECHretOUTSAt127, p=0.975, method="historical")
SECH	128	54	1850	2019-01-06	2019-01-06	SECHretOUTSAt128<-ln(SECHaprx[54:1850] /lead(SECHaprx[54:1850], 1))[1:1796]	datSECHretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(SECHretOUTSAt128))	SECHESHIt128<-ES(datSECHretOUTSAt128$rev.SECHretOUTSAt128, p=0.975, method="historical")
SECH	129	53	1849	2019-01-07	2019-01-07	SECHretOUTSAt129<-ln(SECHaprx[53:1849] /lead(SECHaprx[53:1849], 1))[1:1796]	datSECHretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(SECHretOUTSAt129))	SECHESHIt129<-ES(datSECHretOUTSAt129$rev.SECHretOUTSAt129, p=0.975, method="historical")
SECH	130	52	1848	2019-01-08	2019-01-08	SECHretOUTSAt130<-ln(SECHaprx[52:1848] /lead(SECHaprx[52:1848], 1))[1:1796]	datSECHretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(SECHretOUTSAt130))	SECHESHIt130<-ES(datSECHretOUTSAt130$rev.SECHretOUTSAt130, p=0.975, method="historical")
SECH	131	51	1847	2019-01-09	2019-01-09	SECHretOUTSAt131<-ln(SECHaprx[51:1847] /lead(SECHaprx[51:1847], 1))[1:1796]	datSECHretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(SECHretOUTSAt131))	SECHESHIt131<-ES(datSECHretOUTSAt131$rev.SECHretOUTSAt131, p=0.975, method="historical")
SECH	132	50	1846	2019-01-10	2019-01-10	SECHretOUTSAt132<-ln(SECHaprx[50:1846] /lead(SECHaprx[50:1846], 1))[1:1796]	datSECHretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(SECHretOUTSAt132))	SECHESHIt132<-ES(datSECHretOUTSAt132$rev.SECHretOUTSAt132, p=0.975, method="historical")
SECH	133	49	1845	2019-01-11	2019-01-11	SECHretOUTSAt133<-ln(SECHaprx[49:1845] /lead(SECHaprx[49:1845], 1))[1:1796]	datSECHretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(SECHretOUTSAt133))	SECHESHIt133<-ES(datSECHretOUTSAt133$rev.SECHretOUTSAt133, p=0.975, method="historical")
SECH	134	48	1844	2019-01-12	2019-01-12	SECHretOUTSAt134<-ln(SECHaprx[48:1844] /lead(SECHaprx[48:1844], 1))[1:1796]	datSECHretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(SECHretOUTSAt134))	SECHESHIt134<-ES(datSECHretOUTSAt134$rev.SECHretOUTSAt134, p=0.975, method="historical")
SECH	135	47	1843	2019-01-13	2019-01-13	SECHretOUTSAt135<-ln(SECHaprx[47:1843] /lead(SECHaprx[47:1843], 1))[1:1796]	datSECHretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(SECHretOUTSAt135))	SECHESHIt135<-ES(datSECHretOUTSAt135$rev.SECHretOUTSAt135, p=0.975, method="historical")
SECH	136	46	1842	2019-01-14	2019-01-14	SECHretOUTSAt136<-ln(SECHaprx[46:1842] /lead(SECHaprx[46:1842], 1))[1:1796]	datSECHretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(SECHretOUTSAt136))	SECHESHIt136<-ES(datSECHretOUTSAt136$rev.SECHretOUTSAt136, p=0.975, method="historical")
SECH	137	45	1841	2019-01-15	2019-01-15	SECHretOUTSAt137<-ln(SECHaprx[45:1841] /lead(SECHaprx[45:1841], 1))[1:1796]	datSECHretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(SECHretOUTSAt137))	SECHESHIt137<-ES(datSECHretOUTSAt137$rev.SECHretOUTSAt137, p=0.975, method="historical")
SECH	138	44	1840	2019-01-16	2019-01-16	SECHretOUTSAt138<-ln(SECHaprx[44:1840] /lead(SECHaprx[44:1840], 1))[1:1796]	datSECHretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(SECHretOUTSAt138))	SECHESHIt138<-ES(datSECHretOUTSAt138$rev.SECHretOUTSAt138, p=0.975, method="historical")
SECH	139	43	1839	2019-01-17	2019-01-17	SECHretOUTSAt139<-ln(SECHaprx[43:1839] /lead(SECHaprx[43:1839], 1))[1:1796]	datSECHretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(SECHretOUTSAt139))	SECHESHIt139<-ES(datSECHretOUTSAt139$rev.SECHretOUTSAt139, p=0.975, method="historical")
SECH	140	42	1838	2019-01-18	2019-01-18	SECHretOUTSAt140<-ln(SECHaprx[42:1838] /lead(SECHaprx[42:1838], 1))[1:1796]	datSECHretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(SECHretOUTSAt140))	SECHESHIt140<-ES(datSECHretOUTSAt140$rev.SECHretOUTSAt140, p=0.975, method="historical")
SECH	141	41	1837	2019-01-19	2019-01-19	SECHretOUTSAt141<-ln(SECHaprx[41:1837] /lead(SECHaprx[41:1837], 1))[1:1796]	datSECHretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(SECHretOUTSAt141))	SECHESHIt141<-ES(datSECHretOUTSAt141$rev.SECHretOUTSAt141, p=0.975, method="historical")
SECH	142	40	1836	2019-01-20	2019-01-20	SECHretOUTSAt142<-ln(SECHaprx[40:1836] /lead(SECHaprx[40:1836], 1))[1:1796]	datSECHretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(SECHretOUTSAt142))	SECHESHIt142<-ES(datSECHretOUTSAt142$rev.SECHretOUTSAt142, p=0.975, method="historical")
SECH	143	39	1835	2019-01-21	2019-01-21	SECHretOUTSAt143<-ln(SECHaprx[39:1835] /lead(SECHaprx[39:1835], 1))[1:1796]	datSECHretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(SECHretOUTSAt143))	SECHESHIt143<-ES(datSECHretOUTSAt143$rev.SECHretOUTSAt143, p=0.975, method="historical")
SECH	144	38	1834	2019-01-22	2019-01-22	SECHretOUTSAt144<-ln(SECHaprx[38:1834] /lead(SECHaprx[38:1834], 1))[1:1796]	datSECHretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(SECHretOUTSAt144))	SECHESHIt144<-ES(datSECHretOUTSAt144$rev.SECHretOUTSAt144, p=0.975, method="historical")
SECH	145	37	1833	2019-01-23	2019-01-23	SECHretOUTSAt145<-ln(SECHaprx[37:1833] /lead(SECHaprx[37:1833], 1))[1:1796]	datSECHretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(SECHretOUTSAt145))	SECHESHIt145<-ES(datSECHretOUTSAt145$rev.SECHretOUTSAt145, p=0.975, method="historical")
SECH	146	36	1832	2019-01-24	2019-01-24	SECHretOUTSAt146<-ln(SECHaprx[36:1832] /lead(SECHaprx[36:1832], 1))[1:1796]	datSECHretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(SECHretOUTSAt146))	SECHESHIt146<-ES(datSECHretOUTSAt146$rev.SECHretOUTSAt146, p=0.975, method="historical")
SECH	147	35	1831	2019-01-25	2019-01-25	SECHretOUTSAt147<-ln(SECHaprx[35:1831] /lead(SECHaprx[35:1831], 1))[1:1796]	datSECHretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(SECHretOUTSAt147))	SECHESHIt147<-ES(datSECHretOUTSAt147$rev.SECHretOUTSAt147, p=0.975, method="historical")
SECH	148	34	1830	2019-01-26	2019-01-26	SECHretOUTSAt148<-ln(SECHaprx[34:1830] /lead(SECHaprx[34:1830], 1))[1:1796]	datSECHretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(SECHretOUTSAt148))	SECHESHIt148<-ES(datSECHretOUTSAt148$rev.SECHretOUTSAt148, p=0.975, method="historical")
SECH	149	33	1829	2019-01-27	2019-01-27	SECHretOUTSAt149<-ln(SECHaprx[33:1829] /lead(SECHaprx[33:1829], 1))[1:1796]	datSECHretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(SECHretOUTSAt149))	SECHESHIt149<-ES(datSECHretOUTSAt149$rev.SECHretOUTSAt149, p=0.975, method="historical")
SECH	150	32	1828	2019-01-28	2019-01-28	SECHretOUTSAt150<-ln(SECHaprx[32:1828] /lead(SECHaprx[32:1828], 1))[1:1796]	datSECHretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(SECHretOUTSAt150))	SECHESHIt150<-ES(datSECHretOUTSAt150$rev.SECHretOUTSAt150, p=0.975, method="historical")
SECH	151	31	1827	2019-01-29	2019-01-29	SECHretOUTSAt151<-ln(SECHaprx[31:1827] /lead(SECHaprx[31:1827], 1))[1:1796]	datSECHretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(SECHretOUTSAt151))	SECHESHIt151<-ES(datSECHretOUTSAt151$rev.SECHretOUTSAt151, p=0.975, method="historical")
SECH	152	30	1826	2019-01-30	2019-01-30	SECHretOUTSAt152<-ln(SECHaprx[30:1826] /lead(SECHaprx[30:1826], 1))[1:1796]	datSECHretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(SECHretOUTSAt152))	SECHESHIt152<-ES(datSECHretOUTSAt152$rev.SECHretOUTSAt152, p=0.975, method="historical")
SECH	153	29	1825	2019-01-31	2019-01-31	SECHretOUTSAt153<-ln(SECHaprx[29:1825] /lead(SECHaprx[29:1825], 1))[1:1796]	datSECHretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(SECHretOUTSAt153))	SECHESHIt153<-ES(datSECHretOUTSAt153$rev.SECHretOUTSAt153, p=0.975, method="historical")
SECH	154	28	1824	2019-02-01	2019-02-01	SECHretOUTSAt154<-ln(SECHaprx[28:1824] /lead(SECHaprx[28:1824], 1))[1:1796]	datSECHretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(SECHretOUTSAt154))	SECHESHIt154<-ES(datSECHretOUTSAt154$rev.SECHretOUTSAt154, p=0.975, method="historical")
SECH	155	27	1823	2019-02-02	2019-02-02	SECHretOUTSAt155<-ln(SECHaprx[27:1823] /lead(SECHaprx[27:1823], 1))[1:1796]	datSECHretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(SECHretOUTSAt155))	SECHESHIt155<-ES(datSECHretOUTSAt155$rev.SECHretOUTSAt155, p=0.975, method="historical")
SECH	156	26	1822	2019-02-03	2019-02-03	SECHretOUTSAt156<-ln(SECHaprx[26:1822] /lead(SECHaprx[26:1822], 1))[1:1796]	datSECHretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(SECHretOUTSAt156))	SECHESHIt156<-ES(datSECHretOUTSAt156$rev.SECHretOUTSAt156, p=0.975, method="historical")
SECH	157	25	1821	2019-02-04	2019-02-04	SECHretOUTSAt157<-ln(SECHaprx[25:1821] /lead(SECHaprx[25:1821], 1))[1:1796]	datSECHretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(SECHretOUTSAt157))	SECHESHIt157<-ES(datSECHretOUTSAt157$rev.SECHretOUTSAt157, p=0.975, method="historical")
SECH	158	24	1820	2019-02-05	2019-02-05	SECHretOUTSAt158<-ln(SECHaprx[24:1820] /lead(SECHaprx[24:1820], 1))[1:1796]	datSECHretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(SECHretOUTSAt158))	SECHESHIt158<-ES(datSECHretOUTSAt158$rev.SECHretOUTSAt158, p=0.975, method="historical")
SECH	159	23	1819	2019-02-06	2019-02-06	SECHretOUTSAt159<-ln(SECHaprx[23:1819] /lead(SECHaprx[23:1819], 1))[1:1796]	datSECHretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(SECHretOUTSAt159))	SECHESHIt159<-ES(datSECHretOUTSAt159$rev.SECHretOUTSAt159, p=0.975, method="historical")
SECH	160	22	1818	2019-02-07	2019-02-07	SECHretOUTSAt160<-ln(SECHaprx[22:1818] /lead(SECHaprx[22:1818], 1))[1:1796]	datSECHretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(SECHretOUTSAt160))	SECHESHIt160<-ES(datSECHretOUTSAt160$rev.SECHretOUTSAt160, p=0.975, method="historical")
SECH	161	21	1817	2019-02-08	2019-02-08	SECHretOUTSAt161<-ln(SECHaprx[21:1817] /lead(SECHaprx[21:1817], 1))[1:1796]	datSECHretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(SECHretOUTSAt161))	SECHESHIt161<-ES(datSECHretOUTSAt161$rev.SECHretOUTSAt161, p=0.975, method="historical")
SECH	162	20	1816	2019-02-09	2019-02-09	SECHretOUTSAt162<-ln(SECHaprx[20:1816] /lead(SECHaprx[20:1816], 1))[1:1796]	datSECHretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(SECHretOUTSAt162))	SECHESHIt162<-ES(datSECHretOUTSAt162$rev.SECHretOUTSAt162, p=0.975, method="historical")
SECH	163	19	1815	2019-02-10	2019-02-10	SECHretOUTSAt163<-ln(SECHaprx[19:1815] /lead(SECHaprx[19:1815], 1))[1:1796]	datSECHretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(SECHretOUTSAt163))	SECHESHIt163<-ES(datSECHretOUTSAt163$rev.SECHretOUTSAt163, p=0.975, method="historical")
SECH	164	18	1814	2019-02-11	2019-02-11	SECHretOUTSAt164<-ln(SECHaprx[18:1814] /lead(SECHaprx[18:1814], 1))[1:1796]	datSECHretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(SECHretOUTSAt164))	SECHESHIt164<-ES(datSECHretOUTSAt164$rev.SECHretOUTSAt164, p=0.975, method="historical")
SECH	165	17	1813	2019-02-12	2019-02-12	SECHretOUTSAt165<-ln(SECHaprx[17:1813] /lead(SECHaprx[17:1813], 1))[1:1796]	datSECHretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(SECHretOUTSAt165))	SECHESHIt165<-ES(datSECHretOUTSAt165$rev.SECHretOUTSAt165, p=0.975, method="historical")
SECH	166	16	1812	2019-02-13	2019-02-13	SECHretOUTSAt166<-ln(SECHaprx[16:1812] /lead(SECHaprx[16:1812], 1))[1:1796]	datSECHretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(SECHretOUTSAt166))	SECHESHIt166<-ES(datSECHretOUTSAt166$rev.SECHretOUTSAt166, p=0.975, method="historical")
SECH	167	15	1811	2019-02-14	2019-02-14	SECHretOUTSAt167<-ln(SECHaprx[15:1811] /lead(SECHaprx[15:1811], 1))[1:1796]	datSECHretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(SECHretOUTSAt167))	SECHESHIt167<-ES(datSECHretOUTSAt167$rev.SECHretOUTSAt167, p=0.975, method="historical")
SECH	168	14	1810	2019-02-15	2019-02-15	SECHretOUTSAt168<-ln(SECHaprx[14:1810] /lead(SECHaprx[14:1810], 1))[1:1796]	datSECHretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(SECHretOUTSAt168))	SECHESHIt168<-ES(datSECHretOUTSAt168$rev.SECHretOUTSAt168, p=0.975, method="historical")
SECH	169	13	1809	2019-02-16	2019-02-16	SECHretOUTSAt169<-ln(SECHaprx[13:1809] /lead(SECHaprx[13:1809], 1))[1:1796]	datSECHretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(SECHretOUTSAt169))	SECHESHIt169<-ES(datSECHretOUTSAt169$rev.SECHretOUTSAt169, p=0.975, method="historical")
SECH	170	12	1808	2019-02-17	2019-02-17	SECHretOUTSAt170<-ln(SECHaprx[12:1808] /lead(SECHaprx[12:1808], 1))[1:1796]	datSECHretOUTSAt170<- data.frame(Date = seq(as

SEAP	43	139	1935	2018-10-13	2018-10-13	SEAPretOUTSAt43<-ln(SEAPapprx[139:1935]/lead(SEAPapprx[139:1935], 1))[1:1796]	datSEAPretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(SEAPretOUTSAt43))	SEAPESHIt43<-ES(datSEAPretOUTSAt43$rev.SEAPretOUTSAt43, p=0.975, method="historical")
SEAP	44	138	1934	2018-10-14	2018-10-14	SEAPretOUTSAt44<-ln(SEAPapprx[138:1934]/lead(SEAPapprx[138:1934], 1))[1:1796]	datSEAPretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(SEAPretOUTSAt44))	SEAPESHIt44<-ES(datSEAPretOUTSAt44$rev.SEAPretOUTSAt44, p=0.975, method="historical")
SEAP	45	137	1933	2018-10-15	2018-10-15	SEAPretOUTSAt45<-ln(SEAPapprx[137:1933]/lead(SEAPapprx[137:1933], 1))[1:1796]	datSEAPretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(SEAPretOUTSAt45))	SEAPESHIt45<-ES(datSEAPretOUTSAt45$rev.SEAPretOUTSAt45, p=0.975, method="historical")
SEAP	46	136	1932	2018-10-16	2018-10-16	SEAPretOUTSAt46<-ln(SEAPapprx[136:1932]/lead(SEAPapprx[136:1932], 1))[1:1796]	datSEAPretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(SEAPretOUTSAt46))	SEAPESHIt46<-ES(datSEAPretOUTSAt46$rev.SEAPretOUTSAt46, p=0.975, method="historical")
SEAP	47	135	1931	2018-10-17	2018-10-17	SEAPretOUTSAt47<-ln(SEAPapprx[135:1931]/lead(SEAPapprx[135:1931], 1))[1:1796]	datSEAPretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(SEAPretOUTSAt47))	SEAPESHIt47<-ES(datSEAPretOUTSAt47$rev.SEAPretOUTSAt47, p=0.975, method="historical")
SEAP	48	134	1930	2018-10-18	2018-10-18	SEAPretOUTSAt48<-ln(SEAPapprx[134:1930]/lead(SEAPapprx[134:1930], 1))[1:1796]	datSEAPretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(SEAPretOUTSAt48))	SEAPESHIt48<-ES(datSEAPretOUTSAt48$rev.SEAPretOUTSAt48, p=0.975, method="historical")
SEAP	49	133	1929	2018-10-19	2018-10-19	SEAPretOUTSAt49<-ln(SEAPapprx[133:1929]/lead(SEAPapprx[133:1929], 1))[1:1796]	datSEAPretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(SEAPretOUTSAt49))	SEAPESHIt49<-ES(datSEAPretOUTSAt49$rev.SEAPretOUTSAt49, p=0.975, method="historical")
SEAP	50	132	1928	2018-10-20	2018-10-20	SEAPretOUTSAt50<-ln(SEAPapprx[132:1928]/lead(SEAPapprx[132:1928], 1))[1:1796]	datSEAPretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(SEAPretOUTSAt50))	SEAPESHIt50<-ES(datSEAPretOUTSAt50$rev.SEAPretOUTSAt50, p=0.975, method="historical")
SEAP	51	131	1927	2018-10-21	2018-10-21	SEAPretOUTSAt51<-ln(SEAPapprx[131:1927]/lead(SEAPapprx[131:1927], 1))[1:1796]	datSEAPretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(SEAPretOUTSAt51))	SEAPESHIt51<-ES(datSEAPretOUTSAt51$rev.SEAPretOUTSAt51, p=0.975, method="historical")
SEAP	52	130	1926	2018-10-22	2018-10-22	SEAPretOUTSAt52<-ln(SEAPapprx[130:1926]/lead(SEAPapprx[130:1926], 1))[1:1796]	datSEAPretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(SEAPretOUTSAt52))	SEAPESHIt52<-ES(datSEAPretOUTSAt52$rev.SEAPretOUTSAt52, p=0.975, method="historical")
SEAP	53	129	1925	2018-10-23	2018-10-23	SEAPretOUTSAt53<-ln(SEAPapprx[129:1925]/lead(SEAPapprx[129:1925], 1))[1:1796]	datSEAPretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(SEAPretOUTSAt53))	SEAPESHIt53<-ES(datSEAPretOUTSAt53$rev.SEAPretOUTSAt53, p=0.975, method="historical")
SEAP	54	128	1924	2018-10-24	2018-10-24	SEAPretOUTSAt54<-ln(SEAPapprx[128:1924]/lead(SEAPapprx[128:1924], 1))[1:1796]	datSEAPretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(SEAPretOUTSAt54))	SEAPESHIt54<-ES(datSEAPretOUTSAt54$rev.SEAPretOUTSAt54, p=0.975, method="historical")
SEAP	55	127	1923	2018-10-25	2018-10-25	SEAPretOUTSAt55<-ln(SEAPapprx[127:1923]/lead(SEAPapprx[127:1923], 1))[1:1796]	datSEAPretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(SEAPretOUTSAt55))	SEAPESHIt55<-ES(datSEAPretOUTSAt55$rev.SEAPretOUTSAt55, p=0.975, method="historical")
SEAP	56	126	1922	2018-10-26	2018-10-26	SEAPretOUTSAt56<-ln(SEAPapprx[126:1922]/lead(SEAPapprx[126:1922], 1))[1:1796]	datSEAPretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(SEAPretOUTSAt56))	SEAPESHIt56<-ES(datSEAPretOUTSAt56$rev.SEAPretOUTSAt56, p=0.975, method="historical")
SEAP	57	125	1921	2018-10-27	2018-10-27	SEAPretOUTSAt57<-ln(SEAPapprx[125:1921]/lead(SEAPapprx[125:1921], 1))[1:1796]	datSEAPretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(SEAPretOUTSAt57))	SEAPESHIt57<-ES(datSEAPretOUTSAt57$rev.SEAPretOUTSAt57, p=0.975, method="historical")
SEAP	58	124	1920	2018-10-28	2018-10-28	SEAPretOUTSAt58<-ln(SEAPapprx[124:1920]/lead(SEAPapprx[124:1920], 1))[1:1796]	datSEAPretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(SEAPretOUTSAt58))	SEAPESHIt58<-ES(datSEAPretOUTSAt58$rev.SEAPretOUTSAt58, p=0.975, method="historical")
SEAP	59	123	1919	2018-10-29	2018-10-29	SEAPretOUTSAt59<-ln(SEAPapprx[123:1919]/lead(SEAPapprx[123:1919], 1))[1:1796]	datSEAPretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(SEAPretOUTSAt59))	SEAPESHIt59<-ES(datSEAPretOUTSAt59$rev.SEAPretOUTSAt59, p=0.975, method="historical")
SEAP	60	122	1918	2018-10-30	2018-10-30	SEAPretOUTSAt60<-ln(SEAPapprx[122:1918]/lead(SEAPapprx[122:1918], 1))[1:1796]	datSEAPretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(SEAPretOUTSAt60))	SEAPESHIt60<-ES(datSEAPretOUTSAt60$rev.SEAPretOUTSAt60, p=0.975, method="historical")
SEAP	61	121	1917	2018-10-31	2018-10-31	SEAPretOUTSAt61<-ln(SEAPapprx[121:1917]/lead(SEAPapprx[121:1917], 1))[1:1796]	datSEAPretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(SEAPretOUTSAt61))	SEAPESHIt61<-ES(datSEAPretOUTSAt61$rev.SEAPretOUTSAt61, p=0.975, method="historical")
SEAP	62	120	1916	2018-11-01	2018-11-01	SEAPretOUTSAt62<-ln(SEAPapprx[120:1916]/lead(SEAPapprx[120:1916], 1))[1:1796]	datSEAPretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(SEAPretOUTSAt62))	SEAPESHIt62<-ES(datSEAPretOUTSAt62$rev.SEAPretOUTSAt62, p=0.975, method="historical")
SEAP	63	119	1915	2018-11-02	2018-11-02	SEAPretOUTSAt63<-ln(SEAPapprx[119:1915]/lead(SEAPapprx[119:1915], 1))[1:1796]	datSEAPretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(SEAPretOUTSAt63))	SEAPESHIt63<-ES(datSEAPretOUTSAt63$rev.SEAPretOUTSAt63, p=0.975, method="historical")
SEAP	64	118	1914	2018-11-03	2018-11-03	SEAPretOUTSAt64<-ln(SEAPapprx[118:1914]/lead(SEAPapprx[118:1914], 1))[1:1796]	datSEAPretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(SEAPretOUTSAt64))	SEAPESHIt64<-ES(datSEAPretOUTSAt64$rev.SEAPretOUTSAt64, p=0.975, method="historical")
SEAP	65	117	1913	2018-11-04	2018-11-04	SEAPretOUTSAt65<-ln(SEAPapprx[117:1913]/lead(SEAPapprx[117:1913], 1))[1:1796]	datSEAPretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(SEAPretOUTSAt65))	SEAPESHIt65<-ES(datSEAPretOUTSAt65$rev.SEAPretOUTSAt65, p=0.975, method="historical")
SEAP	66	116	1912	2018-11-05	2018-11-05	SEAPretOUTSAt66<-ln(SEAPapprx[116:1912]/lead(SEAPapprx[116:1912], 1))[1:1796]	datSEAPretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(SEAPretOUTSAt66))	SEAPESHIt66<-ES(datSEAPretOUTSAt66$rev.SEAPretOUTSAt66, p=0.975, method="historical")
SEAP	67	115	1911	2018-11-06	2018-11-06	SEAPretOUTSAt67<-ln(SEAPapprx[115:1911]/lead(SEAPapprx[115:1911], 1))[1:1796]	datSEAPretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(SEAPretOUTSAt67))	SEAPESHIt67<-ES(datSEAPretOUTSAt67$rev.SEAPretOUTSAt67, p=0.975, method="historical")
SEAP	68	114	1910	2018-11-07	2018-11-07	SEAPretOUTSAt68<-ln(SEAPapprx[114:1910]/lead(SEAPapprx[114:1910], 1))[1:1796]	datSEAPretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(SEAPretOUTSAt68))	SEAPESHIt68<-ES(datSEAPretOUTSAt68$rev.SEAPretOUTSAt68, p=0.975, method="historical")
SEAP	69	113	1909	2018-11-08	2018-11-08	SEAPretOUTSAt69<-ln(SEAPapprx[113:1909]/lead(SEAPapprx[113:1909], 1))[1:1796]	datSEAPretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(SEAPretOUTSAt69))	SEAPESHIt69<-ES(datSEAPretOUTSAt69$rev.SEAPretOUTSAt69, p=0.975, method="historical")
SEAP	70	112	1908	2018-11-09	2018-11-09	SEAPretOUTSAt70<-ln(SEAPapprx[112:1908]/lead(SEAPapprx[112:1908], 1))[1:1796]	datSEAPretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(SEAPretOUTSAt70))	SEAPESHIt70<-ES(datSEAPretOUTSAt70$rev.SEAPretOUTSAt70, p=0.975, method="historical")
SEAP	71	111	1907	2018-11-10	2018-11-10	SEAPretOUTSAt71<-ln(SEAPapprx[111:1907]/lead(SEAPapprx[111:1907], 1))[1:1796]	datSEAPretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(SEAPretOUTSAt71))	SEAPESHIt71<-ES(datSEAPretOUTSAt71$rev.SEAPretOUTSAt71, p=0.975, method="historical")
SEAP	72	110	1906	2018-11-11	2018-11-11	SEAPretOUTSAt72<-ln(SEAPapprx[110:1906]/lead(SEAPapprx[110:1906], 1))[1:1796]	datSEAPretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(SEAPretOUTSAt72))	SEAPESHIt72<-ES(datSEAPretOUTSAt72$rev.SEAPretOUTSAt72, p=0.975, method="historical")
SEAP	73	109	1905	2018-11-12	2018-11-12	SEAPretOUTSAt73<-ln(SEAPapprx[109:1905]/lead(SEAPapprx[109:1905], 1))[1:1796]	datSEAPretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(SEAPretOUTSAt73))	SEAPESHIt73<-ES(datSEAPretOUTSAt73$rev.SEAPretOUTSAt73, p=0.975, method="historical")
SEAP	74	108	1904	2018-11-13	2018-11-13	SEAPretOUTSAt74<-ln(SEAPapprx[108:1904]/lead(SEAPapprx[108:1904], 1))[1:1796]	datSEAPretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(SEAPretOUTSAt74))	SEAPESHIt74<-ES(datSEAPretOUTSAt74$rev.SEAPretOUTSAt74, p=0.975, method="historical")
SEAP	75	107	1903	2018-11-14	2018-11-14	SEAPretOUTSAt75<-ln(SEAPapprx[107:1903]/lead(SEAPapprx[107:1903], 1))[1:1796]	datSEAPretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(SEAPretOUTSAt75))	SEAPESHIt75<-ES(datSEAPretOUTSAt75$rev.SEAPretOUTSAt75, p=0.975, method="historical")
SEAP	76	106	1902	2018-11-15	2018-11-15	SEAPretOUTSAt76<-ln(SEAPapprx[106:1902]/lead(SEAPapprx[106:1902], 1))[1:1796]	datSEAPretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(SEAPretOUTSAt76))	SEAPESHIt76<-ES(datSEAPretOUTSAt76$rev.SEAPretOUTSAt76, p=0.975, method="historical")
SEAP	77	105	1901	2018-11-16	2018-11-16	SEAPretOUTSAt77<-ln(SEAPapprx[105:1901]/lead(SEAPapprx[105:1901], 1))[1:1796]	datSEAPretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(SEAPretOUTSAt77))	SEAPESHIt77<-ES(datSEAPretOUTSAt77$rev.SEAPretOUTSAt77, p=0.975, method="historical")
SEAP	78	104	1900	2018-11-17	2018-11-17	SEAPretOUTSAt78<-ln(SEAPapprx[104:1900]/lead(SEAPapprx[104:1900], 1))[1:1796]	datSEAPretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(SEAPretOUTSAt78))	SEAPESHIt78<-ES(datSEAPretOUTSAt78$rev.SEAPretOUTSAt78, p=0.975, method="historical")
SEAP	79	103	1899	2018-11-18	2018-11-18	SEAPretOUTSAt79<-ln(SEAPapprx[103:1899]/lead(SEAPapprx[103:1899], 1))[1:1796]	datSEAPretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(SEAPretOUTSAt79))	SEAPESHIt79<-ES(datSEAPretOUTSAt79$rev.SEAPretOUTSAt79, p=0.975, method="historical")
SEAP	80	102	1898	2018-11-19	2018-11-19	SEAPretOUTSAt80<-ln(SEAPapprx[102:1898]/lead(SEAPapprx[102:1898], 1))[1:1796]	datSEAPretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(SEAPretOUTSAt80))	SEAPESHIt80<-ES(datSEAPretOUTSAt80$rev.SEAPretOUTSAt80, p=0.975, method="historical")
SEAP	81	101	1897	2018-11-20	2018-11-20	SEAPretOUTSAt81<-ln(SEAPapprx[101:1897]/lead(SEAPapprx[101:1897], 1))[1:1796]	datSEAPretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(SEAPretOUTSAt81))	SEAPESHIt81<-ES(datSEAPretOUTSAt81$rev.SEAPretOUTSAt81, p=0.975, method="historical")
SEAP	82	100	1896	2018-11-21	2018-11-21	SEAPretOUTSAt82<-ln(SEAPapprx[100:1896]/lead(SEAPapprx[100:1896], 1))[1:1796]	datSEAPretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(SEAPretOUTSAt82))	SEAPESHIt82<-ES(datSEAPretOUTSAt82$rev.SEAPretOUTSAt82, p=0.975, method="historical")
SEAP	83	99	1895	2018-11-22	2018-11-22	SEAPretOUTSAt83<-ln(SEAPapprx[99:1895]/lead(SEAPapprx[99:1895], 1))[1:1796]	datSEAPretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(SEAPretOUTSAt83))	SEAPESHIt83<-ES(datSEAPretOUTSAt83$rev.SEAPretOUTSAt83, p=0.975, method="historical")
SEAP	84	98	1894	2018-11-23	2018-11-23	SEAPretOUTSAt84<-ln(SEAPapprx[98:1894]/lead(SEAPapprx[98:1894], 1))[1:1796]	datSEAPretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(SEAPretOUTSAt84))	SEAPESHIt84<-ES(datSEAPretOUTSAt84$rev.SEAPretOUTSAt84, p=0.975, method="historical")
SEAP	85	97	1893	2018-11-24	2018-11-24	SEAPretOUTSAt85<-ln(SEAPapprx[97:1893]/lead(SEAPapprx[97:1893], 1))[1:1796]	datSEAPretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(SEAPretOUTSAt85))	SEAPESHIt85<-ES(datSEAPretOUTSAt85$rev.SEAPretOUTSAt85, p=0.975, method="historical")
SEAP	86	96	1892	2018-11-25	2018-11-25	SEAPretOUTSAt86<-ln(SEAPapprx[96:1892]/lead(SEAPapprx[96:1892], 1))[1:1796]	datSEAPretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(SEAPretOUTSAt86))	SEAPESHIt86<-ES(datSEAPretOUTSAt86$rev.SEAPretOUTSAt86, p=0.975, method="historical")
SEAP	87	95	1891	2018-11-26	2018-11-26	SEAPretOUTSAt87<-ln(SEAPapprx[95:1891]/lead(SEAPapprx[95:1891], 1))[1:1796]	datSEAPretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(SEAPretOUTSAt87))	SEAPESHIt87<-ES(datSEAPretOUTSAt87$rev.SEAPretOUTSAt87, p=0.975, method="historical")
SEAP	88	94	1890	2018-11-27	2018-11-27	SEAPretOUTSAt88<-ln(SEAPapprx[94:1890]/lead(SEAPapprx[94:1890], 1))[1:1796]	datSEAPretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(SEAPretOUTSAt88))	SEAPESHIt88<-ES(datSEAPretOUTSAt88$rev.SEAPretOUTSAt88, p=0.975, method="historical")
SEAP	89	93	1889	2018-11-28	2018-11-28	SEAPretOUTSAt89<-ln(SEAPapprx[93:1889]/lead(SEAPapprx[93:1889], 1))[1:1796]	datSEAPretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(SEAPretOUTSAt89))	SEAPESHIt89<-ES(datSEAPretOUTSAt89$rev.SEAPretOUTSAt89, p=0.975, method="historical")
SEAP	90	92	1888	2018-11-29	2018-11-29	SEAPretOUTSAt90<-ln(SEAPapprx[92:1888]/lead(SEAPapprx[92:1888], 1))[1:1796]	datSEAPretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(SEAPretOUTSAt90))	SEAPESHIt90<-ES(datSEAPretOUTSAt90$rev.SEAPretOUTSAt90, p=0.975, method="historical")
SEAP	91	91	1887	2018-11-30	2018-11-30	SEAPretOUTSAt91<-ln(SEAPapprx[91:1887]/lead(SEAPapprx[91:1887], 1))[1:1796]	datSEAPretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(SEAPretOUTSAt91))	SEAPESHIt91<-ES(datSEAPretOUTSAt91$rev.SEAPretOUTSAt91, p=0.975, method="historical")
SEAP	92	90	1886	2018-12-01	2018-12-01	SEAPretOUTSAt92<-ln(SEAPapprx[90:1886]/lead(SEAPapprx[90:1886], 1))[1:1796]	datSEAPretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(SEAPretOUTSAt92))	SEAPESHIt92<-ES(datSEAPretOUTSAt92$rev.SEAPretOUTSAt92, p=0.975, method="historical")
SEAP	93	89	1885	2018-12-02	2018-12-02	SEAPretOUTSAt93<-ln(SEAPapprx[89:1885]/lead(SEAPapprx[89:1885], 1))[1:1796]	datSEAPretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(SEAPretOUTSAt93))	SEAPESHIt93<-ES(datSEAPretOUTSAt93$rev.SEAPretOUTSAt93, p=0.975, method="historical")
SEAP	94	88	1884	2018-12-03	2018-12-03	SEAPretOUTSAt94<-ln(SEAPapprx[88:1884]/lead(SEAPapprx[88:1884], 1))[1:1796]	datSEAPretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(SEAPretOUTSAt94))	SEAPESHIt94<-ES(datSEAPretOUTSAt94$rev.SEAPretOUTSAt94, p=0.975, method="historical")
SEAP	95	87	1883	2018-12-04	2018-12-04	SEAPretOUTSAt95<-ln(SEAPapprx[87:1883]/lead(SEAPapprx[87:1883], 1))[1:1796]	datSEAPretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(SEAPretOUTSAt95))	SEAPESHIt95<-ES(datSEAPretOUTSAt95$rev.SEAPretOUTSAt95, p=0.975, method="historical")
SEAP	96	86	1882	2018-12-05	2018-12-05	SEAPretOUTSAt96<-ln(SEAPapprx[86:1882]/lead(SEAPapprx[86:1882], 1))[1:1796]	datSEAPretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(SEAPretOUTSAt96))	SEAPESHIt96<-ES(datSEAPretOUTSAt96$rev.SEAPretOUTSAt96, p=0.975, method="historical")
SEAP	97	85	1881	2018-12-06	2018-12-06	SEAPretOUTSAt97<-ln(SEAPapprx[85:1881]/lead(SEAPapprx[85:1881], 1))[1:1796]	datSEAPretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(SEAPretOUTSAt97))	SEAPESHIt97<-ES(datSEAPretOUTSAt97$rev.SEAPretOUTSAt97, p=0.975, method="historical")
SEAP	98	84	1880	2018-12-07	2018-12-07	SEAPretOUTSAt98<-ln(SEAPapprx[84:1880]/lead(SEAPapprx[84:1880], 1))[1:1796]	datSEAPretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(SEAPretOUTSAt98))	SEAPESHIt98<-ES(datSEAPretOUTSAt98$rev.SEAPretOUTSAt98, p=0.975, method="historical")
SEAP	99	83	1879	2018-12-08	2018-12-08	SEAPretOUTSAt99<-ln(SEAPapprx[83:1879]/lead(SEAPapprx[83:1879], 1))[1:1796]	datSEAPretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(SEAPretOUTSAt99))	SEAPESHIt99<-ES(datSEAPretOUTSAt99$rev.SEAPretOUTSAt99, p=0.975, method="historical")
SEAP	100	82	1878	2018-12-09	2018-12-09	SEAPretOUTSAt100<-ln(SEAPapprx[82:1878]/lead(SEAPapprx[82:1878], 1))[1:1796]	datSEAPretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(SEAPretOUTSAt100))	SEAPESHIt100<-ES(datSEAPretOUTSAt100$rev.SEAPretOUTSAt100, p=0.975, method="historical")
SEAP	101	81	1877	2018-12-10	2018-12-10	SEAPretOUTSAt101<-ln(SEAPapprx[81:1877]/lead(SEAPapprx[81:1877], 1))[1:1796]	datSEAPretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(SEAPretOUTSAt101))	SEAPESHIt101<-ES(datSEAPretOUTSAt101$rev.SEAPretOUTSAt101, p=0.975, method="historical")
SEAP	102	80	1876	2018-12-11	2018-12-11	SEAPretOUTSAt102<-ln(SEAPapprx[80:1876]/lead(SEAPapprx[80:1876], 1))[1:1796]	datSEAPretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(SEAPretOUTSAt102))	SEAPESHIt102<-ES(datSEAPretOUTSAt102$rev.SEAPretOUTSAt102, p=0.975, method="historical")
SEAP	103	79	1875	2018-12-12	2018-12-12	SEAPretOUTSAt103<-ln(SEAPapprx[79:1875]/lead(SEAPapprx[79:1875], 1))[1:1796]	datSEAPretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(SEAPretOUTSAt103))	SEAPESHIt103<-ES(datSEAPretOUTSAt103$rev.SEAPretOUTSAt103, p=0.975, method="historical")
SEAP	104	78	1874	2018-12-13	2018-12-13	SEAPretOUTSAt104<-ln(SEAPapprx[78:1874]/lead(SEAPapprx[78:1874], 1))[1:1796]	datSEAPretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(SEAPretOUTSAt104))	SEAPESHIt104<-ES(datSEAPretOUTSAt104$rev.SEAPretOUTSAt104, p=0.975, method="historical")
SEAP	105	77	1873	2018-12-14	2018-12-14	SEAPretOUTSAt105<-ln(SEAPapprx[77:1873]/lead(SEAPapprx[77:1873], 1))[1:1796]	datSEAPretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(SEAPretOUTSAt105))	SEAPESHIt105<-ES(datSEAPretOUTSAt105$rev.SEAPretOUTSAt105, p=0.975, method="historical")
SEAP	106	76	1872	2018-12-15	2018-12-15	SEAPretOUTSAt106<-ln(SEAPapprx[76:1872]/lead(SEAPapprx[76:1872], 1))[1:1796]	datSEAPretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(SEAPretOUTSAt106))	SEAPESHIt106<-ES(datSEAPretOUTSAt106$rev.SEAPretOUTSAt106, p=0.975, method="historical")
SEAP	107	75	1871	2018-12-16	2018-12-16	SEAPretOUTSAt107<-ln(SEAPapprx[75:1871]/lead(SEAPapprx[75:1871], 1))[1:1796]	datSEAPretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(SEAPretOUTSAt107))	SEAPESHIt107<-ES(datSEAPretOUTSAt107$rev.SEAPretOUTSAt107, p=0.975, method="historical")
SEAP	108	74	1870	2018-12-17	2018-12-17	SEAPretOUTSAt108<-ln(SEAPapprx[74:1870]/lead(SEAPapprx[74:1870], 1))[1:1796]	datSEAPretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(SEAPretOUTSAt108))	SEAPESHIt108<-ES(datSEAPretOUTSAt108$rev.SEAPretOUTSAt108, p=0.975, method="historical")
SEAP	109	73	1869	2018-12-18	2018-12-18	SEAPretOUTSAt109<-ln(SEAPapprx[73:1869]/lead(SEAPapprx[73:1869], 1))[1:1796]	datSEAPretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(SEAPretOUTSAt109))	SEAPESHIt109<-ES(datSEAPretOUTSAt109$rev.SEAPretOUTSAt109, p=0.975, method="historical")
SEAP	110	72	1868	2018-12-19	2018-12-19	SEAPretOUTSAt110<-ln(SEAPapprx[72:1868]/lead(SEAPapprx[72:1868], 1))[1:1796]	datSEAPretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(SEAPretOUTSAt110))	SEAPESHIt110<-ES(datSEAPretOUTSAt110$rev.SEAPretOUTSAt110, p=0.975, method="historical")
SEAP	111	71	1867	2018-12-20	2018-12-20	SEAPretOUTSAt111<-ln(SEAPapprx[71:1867]/lead(SEAPapprx[71:1867], 1))[1:1796]	datSEAPretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(SEAPretOUTSAt111))	SEAPESHIt111<-ES(datSEAPretOUTSAt111$rev.SEAPretOUTSAt111, p=0.975, method="historical")
SEAP	112	70	1866	2018-12-21	2018-12-21	SEAPretOUTSAt112<-ln(SEAPapprx[70:1866]/lead(SEAPapprx[70:1866], 1))[1:1796]	datSEAPretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(SEAPretOUTSAt112))	SEAPESHIt112<-ES(datSEAPretOUTSAt112$rev.SEAPretOUTSAt112, p=0.975, method="historical")
SEAP	113	69	1865	2018-12-22	2018-12-22	SEAPretOUTSAt113<-ln(SEAPapprx[69:1865]/lead(SEAPapprx[69:1865], 1))[1:1796]	datSEAPretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as

SEAP	172	10	1806	2019-02-19	2019-02-19	SEAPretOUTSAt172<-ln(SEAPaprx[10:1806]/lead(SEAPaprx[10:1806], 1))[1:1796]	datSEAPretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(SEAPretOUTSAt172))	SEAPESHIt172<-ES(datSEAPretOUTSAt172$rev.SEAPretOUTSAt172, p=0.975, method="historical")
SEAP	173	9	1805	2019-02-20	2019-02-20	SEAPretOUTSAt173<-ln(SEAPaprx[9:1805]/lead(SEAPaprx[9:1805], 1))[1:1796]	datSEAPretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(SEAPretOUTSAt173))	SEAPESHIt173<-ES(datSEAPretOUTSAt173$rev.SEAPretOUTSAt173, p=0.975, method="historical")
SEAP	174	8	1804	2019-02-21	2019-02-21	SEAPretOUTSAt174<-ln(SEAPaprx[8:1804]/lead(SEAPaprx[8:1804], 1))[1:1796]	datSEAPretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(SEAPretOUTSAt174))	SEAPESHIt174<-ES(datSEAPretOUTSAt174$rev.SEAPretOUTSAt174, p=0.975, method="historical")
SEAP	175	7	1803	2019-02-22	2019-02-22	SEAPretOUTSAt175<-ln(SEAPaprx[7:1803]/lead(SEAPaprx[7:1803], 1))[1:1796]	datSEAPretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(SEAPretOUTSAt175))	SEAPESHIt175<-ES(datSEAPretOUTSAt175$rev.SEAPretOUTSAt175, p=0.975, method="historical")
SEAP	176	6	1802	2019-02-23	2019-02-23	SEAPretOUTSAt176<-ln(SEAPaprx[6:1802]/lead(SEAPaprx[6:1802], 1))[1:1796]	datSEAPretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(SEAPretOUTSAt176))	SEAPESHIt176<-ES(datSEAPretOUTSAt176$rev.SEAPretOUTSAt176, p=0.975, method="historical")
SEAP	177	5	1801	2019-02-24	2019-02-24	SEAPretOUTSAt177<-ln(SEAPaprx[5:1801]/lead(SEAPaprx[5:1801], 1))[1:1796]	datSEAPretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(SEAPretOUTSAt177))	SEAPESHIt177<-ES(datSEAPretOUTSAt177$rev.SEAPretOUTSAt177, p=0.975, method="historical")
SEAP	178	4	1800	2019-02-25	2019-02-25	SEAPretOUTSAt178<-ln(SEAPaprx[4:1800]/lead(SEAPaprx[4:1800], 1))[1:1796]	datSEAPretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(SEAPretOUTSAt178))	SEAPESHIt178<-ES(datSEAPretOUTSAt178$rev.SEAPretOUTSAt178, p=0.975, method="historical")
SEAP	179	3	1799	2019-02-26	2019-02-26	SEAPretOUTSAt179<-ln(SEAPaprx[3:1799]/lead(SEAPaprx[3:1799], 1))[1:1796]	datSEAPretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(SEAPretOUTSAt179))	SEAPESHIt179<-ES(datSEAPretOUTSAt179$rev.SEAPretOUTSAt179, p=0.975, method="historical")
SEAP	180	2	1798	2019-02-27	2019-02-27	SEAPretOUTSAt180<-ln(SEAPaprx[2:1798]/lead(SEAPaprx[2:1798], 1))[1:1796]	datSEAPretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(SEAPretOUTSAt180))	SEAPESHIt180<-ES(datSEAPretOUTSAt180$rev.SEAPretOUTSAt180, p=0.975, method="historical")
SEAP	181	1	1797	2019-02-28	2019-02-28	SEAPretOUTSAt181<-ln(SEAPaprx[1:1797]/lead(SEAPaprx[1:1797], 1))[1:1796]	datSEAPretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(SEAPretOUTSAt181))	SEAPESHIt181<-ES(datSEAPretOUTSAt181$rev.SEAPretOUTSAt181, p=0.975, method="historical")
#BITC								
BITC	1	181	1977	2018-09-01	2018-09-01	BITCretOUTSAt1<-ln(BITCaprx[181:1977]/lead(BITCaprx[181:1977], 1))[1:1796]	datBITCretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(BITCretOUTSAt1))	BITCESHIt1<-ES(datBITCretOUTSAt1$rev.BITCretOUTSAt1, p=0.975, method="historical")
BITC	2	180	1976	2018-09-02	2018-09-02	BITCretOUTSAt2<-ln(BITCaprx[180:1976]/lead(BITCaprx[180:1976], 1))[1:1796]	datBITCretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(BITCretOUTSAt2))	BITCESHIt2<-ES(datBITCretOUTSAt2$rev.BITCretOUTSAt2, p=0.975, method="historical")
BITC	3	179	1975	2018-09-03	2018-09-03	BITCretOUTSAt3<-ln(BITCaprx[179:1975]/lead(BITCaprx[179:1975], 1))[1:1796]	datBITCretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(BITCretOUTSAt3))	BITCESHIt3<-ES(datBITCretOUTSAt3$rev.BITCretOUTSAt3, p=0.975, method="historical")
BITC	4	178	1974	2018-09-04	2018-09-04	BITCretOUTSAt4<-ln(BITCaprx[178:1974]/lead(BITCaprx[178:1974], 1))[1:1796]	datBITCretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(BITCretOUTSAt4))	BITCESHIt4<-ES(datBITCretOUTSAt4$rev.BITCretOUTSAt4, p=0.975, method="historical")
BITC	5	177	1973	2018-09-05	2018-09-05	BITCretOUTSAt5<-ln(BITCaprx[177:1973]/lead(BITCaprx[177:1973], 1))[1:1796]	datBITCretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(BITCretOUTSAt5))	BITCESHIt5<-ES(datBITCretOUTSAt5$rev.BITCretOUTSAt5, p=0.975, method="historical")
BITC	6	176	1972	2018-09-06	2018-09-06	BITCretOUTSAt6<-ln(BITCaprx[176:1972]/lead(BITCaprx[176:1972], 1))[1:1796]	datBITCretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(BITCretOUTSAt6))	BITCESHIt6<-ES(datBITCretOUTSAt6$rev.BITCretOUTSAt6, p=0.975, method="historical")
BITC	7	175	1971	2018-09-07	2018-09-07	BITCretOUTSAt7<-ln(BITCaprx[175:1971]/lead(BITCaprx[175:1971], 1))[1:1796]	datBITCretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(BITCretOUTSAt7))	BITCESHIt7<-ES(datBITCretOUTSAt7$rev.BITCretOUTSAt7, p=0.975, method="historical")
BITC	8	174	1970	2018-09-08	2018-09-08	BITCretOUTSAt8<-ln(BITCaprx[174:1970]/lead(BITCaprx[174:1970], 1))[1:1796]	datBITCretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(BITCretOUTSAt8))	BITCESHIt8<-ES(datBITCretOUTSAt8$rev.BITCretOUTSAt8, p=0.975, method="historical")
BITC	9	173	1969	2018-09-09	2018-09-09	BITCretOUTSAt9<-ln(BITCaprx[173:1969]/lead(BITCaprx[173:1969], 1))[1:1796]	datBITCretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(BITCretOUTSAt9))	BITCESHIt9<-ES(datBITCretOUTSAt9$rev.BITCretOUTSAt9, p=0.975, method="historical")
BITC	10	172	1968	2018-09-10	2018-09-10	BITCretOUTSAt10<-ln(BITCaprx[172:1968]/lead(BITCaprx[172:1968], 1))[1:1796]	datBITCretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(BITCretOUTSAt10))	BITCESHIt10<-ES(datBITCretOUTSAt10$rev.BITCretOUTSAt10, p=0.975, method="historical")
BITC	11	171	1967	2018-09-11	2018-09-11	BITCretOUTSAt11<-ln(BITCaprx[171:1967]/lead(BITCaprx[171:1967], 1))[1:1796]	datBITCretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(BITCretOUTSAt11))	BITCESHIt11<-ES(datBITCretOUTSAt11$rev.BITCretOUTSAt11, p=0.975, method="historical")
BITC	12	170	1966	2018-09-12	2018-09-12	BITCretOUTSAt12<-ln(BITCaprx[170:1966]/lead(BITCaprx[170:1966], 1))[1:1796]	datBITCretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(BITCretOUTSAt12))	BITCESHIt12<-ES(datBITCretOUTSAt12$rev.BITCretOUTSAt12, p=0.975, method="historical")
BITC	13	169	1965	2018-09-13	2018-09-13	BITCretOUTSAt13<-ln(BITCaprx[169:1965]/lead(BITCaprx[169:1965], 1))[1:1796]	datBITCretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(BITCretOUTSAt13))	BITCESHIt13<-ES(datBITCretOUTSAt13$rev.BITCretOUTSAt13, p=0.975, method="historical")
BITC	14	168	1964	2018-09-14	2018-09-14	BITCretOUTSAt14<-ln(BITCaprx[168:1964]/lead(BITCaprx[168:1964], 1))[1:1796]	datBITCretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(BITCretOUTSAt14))	BITCESHIt14<-ES(datBITCretOUTSAt14$rev.BITCretOUTSAt14, p=0.975, method="historical")
BITC	15	167	1963	2018-09-15	2018-09-15	BITCretOUTSAt15<-ln(BITCaprx[167:1963]/lead(BITCaprx[167:1963], 1))[1:1796]	datBITCretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(BITCretOUTSAt15))	BITCESHIt15<-ES(datBITCretOUTSAt15$rev.BITCretOUTSAt15, p=0.975, method="historical")
BITC	16	166	1962	2018-09-16	2018-09-16	BITCretOUTSAt16<-ln(BITCaprx[166:1962]/lead(BITCaprx[166:1962], 1))[1:1796]	datBITCretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(BITCretOUTSAt16))	BITCESHIt16<-ES(datBITCretOUTSAt16$rev.BITCretOUTSAt16, p=0.975, method="historical")
BITC	17	165	1961	2018-09-17	2018-09-17	BITCretOUTSAt17<-ln(BITCaprx[165:1961]/lead(BITCaprx[165:1961], 1))[1:1796]	datBITCretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(BITCretOUTSAt17))	BITCESHIt17<-ES(datBITCretOUTSAt17$rev.BITCretOUTSAt17, p=0.975, method="historical")
BITC	18	164	1960	2018-09-18	2018-09-18	BITCretOUTSAt18<-ln(BITCaprx[164:1960]/lead(BITCaprx[164:1960], 1))[1:1796]	datBITCretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(BITCretOUTSAt18))	BITCESHIt18<-ES(datBITCretOUTSAt18$rev.BITCretOUTSAt18, p=0.975, method="historical")
BITC	19	163	1959	2018-09-19	2018-09-19	BITCretOUTSAt19<-ln(BITCaprx[163:1959]/lead(BITCaprx[163:1959], 1))[1:1796]	datBITCretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(BITCretOUTSAt19))	BITCESHIt19<-ES(datBITCretOUTSAt19$rev.BITCretOUTSAt19, p=0.975, method="historical")
BITC	20	162	1958	2018-09-20	2018-09-20	BITCretOUTSAt20<-ln(BITCaprx[162:1958]/lead(BITCaprx[162:1958], 1))[1:1796]	datBITCretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(BITCretOUTSAt20))	BITCESHIt20<-ES(datBITCretOUTSAt20$rev.BITCretOUTSAt20, p=0.975, method="historical")
BITC	21	161	1957	2018-09-21	2018-09-21	BITCretOUTSAt21<-ln(BITCaprx[161:1957]/lead(BITCaprx[161:1957], 1))[1:1796]	datBITCretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(BITCretOUTSAt21))	BITCESHIt21<-ES(datBITCretOUTSAt21$rev.BITCretOUTSAt21, p=0.975, method="historical")
BITC	22	160	1956	2018-09-22	2018-09-22	BITCretOUTSAt22<-ln(BITCaprx[160:1956]/lead(BITCaprx[160:1956], 1))[1:1796]	datBITCretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(BITCretOUTSAt22))	BITCESHIt22<-ES(datBITCretOUTSAt22$rev.BITCretOUTSAt22, p=0.975, method="historical")
BITC	23	159	1955	2018-09-23	2018-09-23	BITCretOUTSAt23<-ln(BITCaprx[159:1955]/lead(BITCaprx[159:1955], 1))[1:1796]	datBITCretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(BITCretOUTSAt23))	BITCESHIt23<-ES(datBITCretOUTSAt23$rev.BITCretOUTSAt23, p=0.975, method="historical")
BITC	24	158	1954	2018-09-24	2018-09-24	BITCretOUTSAt24<-ln(BITCaprx[158:1954]/lead(BITCaprx[158:1954], 1))[1:1796]	datBITCretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(BITCretOUTSAt24))	BITCESHIt24<-ES(datBITCretOUTSAt24$rev.BITCretOUTSAt24, p=0.975, method="historical")
BITC	25	157	1953	2018-09-25	2018-09-25	BITCretOUTSAt25<-ln(BITCaprx[157:1953]/lead(BITCaprx[157:1953], 1))[1:1796]	datBITCretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(BITCretOUTSAt25))	BITCESHIt25<-ES(datBITCretOUTSAt25$rev.BITCretOUTSAt25, p=0.975, method="historical")
BITC	26	156	1952	2018-09-26	2018-09-26	BITCretOUTSAt26<-ln(BITCaprx[156:1952]/lead(BITCaprx[156:1952], 1))[1:1796]	datBITCretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(BITCretOUTSAt26))	BITCESHIt26<-ES(datBITCretOUTSAt26$rev.BITCretOUTSAt26, p=0.975, method="historical")
BITC	27	155	1951	2018-09-27	2018-09-27	BITCretOUTSAt27<-ln(BITCaprx[155:1951]/lead(BITCaprx[155:1951], 1))[1:1796]	datBITCretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(BITCretOUTSAt27))	BITCESHIt27<-ES(datBITCretOUTSAt27$rev.BITCretOUTSAt27, p=0.975, method="historical")
BITC	28	154	1950	2018-09-28	2018-09-28	BITCretOUTSAt28<-ln(BITCaprx[154:1950]/lead(BITCaprx[154:1950], 1))[1:1796]	datBITCretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(BITCretOUTSAt28))	BITCESHIt28<-ES(datBITCretOUTSAt28$rev.BITCretOUTSAt28, p=0.975, method="historical")
BITC	29	153	1949	2018-09-29	2018-09-29	BITCretOUTSAt29<-ln(BITCaprx[153:1949]/lead(BITCaprx[153:1949], 1))[1:1796]	datBITCretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(BITCretOUTSAt29))	BITCESHIt29<-ES(datBITCretOUTSAt29$rev.BITCretOUTSAt29, p=0.975, method="historical")
BITC	30	152	1948	2018-09-30	2018-09-30	BITCretOUTSAt30<-ln(BITCaprx[152:1948]/lead(BITCaprx[152:1948], 1))[1:1796]	datBITCretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(BITCretOUTSAt30))	BITCESHIt30<-ES(datBITCretOUTSAt30$rev.BITCretOUTSAt30, p=0.975, method="historical")
BITC	31	151	1947	2018-10-01	2018-10-01	BITCretOUTSAt31<-ln(BITCaprx[151:1947]/lead(BITCaprx[151:1947], 1))[1:1796]	datBITCretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(BITCretOUTSAt31))	BITCESHIt31<-ES(datBITCretOUTSAt31$rev.BITCretOUTSAt31, p=0.975, method="historical")
BITC	32	150	1946	2018-10-02	2018-10-02	BITCretOUTSAt32<-ln(BITCaprx[150:1946]/lead(BITCaprx[150:1946], 1))[1:1796]	datBITCretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(BITCretOUTSAt32))	BITCESHIt32<-ES(datBITCretOUTSAt32$rev.BITCretOUTSAt32, p=0.975, method="historical")
BITC	33	149	1945	2018-10-03	2018-10-03	BITCretOUTSAt33<-ln(BITCaprx[149:1945]/lead(BITCaprx[149:1945], 1))[1:1796]	datBITCretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(BITCretOUTSAt33))	BITCESHIt33<-ES(datBITCretOUTSAt33$rev.BITCretOUTSAt33, p=0.975, method="historical")
BITC	34	148	1944	2018-10-04	2018-10-04	BITCretOUTSAt34<-ln(BITCaprx[148:1944]/lead(BITCaprx[148:1944], 1))[1:1796]	datBITCretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(BITCretOUTSAt34))	BITCESHIt34<-ES(datBITCretOUTSAt34$rev.BITCretOUTSAt34, p=0.975, method="historical")
BITC	35	147	1943	2018-10-05	2018-10-05	BITCretOUTSAt35<-ln(BITCaprx[147:1943]/lead(BITCaprx[147:1943], 1))[1:1796]	datBITCretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(BITCretOUTSAt35))	BITCESHIt35<-ES(datBITCretOUTSAt35$rev.BITCretOUTSAt35, p=0.975, method="historical")
BITC	36	146	1942	2018-10-06	2018-10-06	BITCretOUTSAt36<-ln(BITCaprx[146:1942]/lead(BITCaprx[146:1942], 1))[1:1796]	datBITCretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(BITCretOUTSAt36))	BITCESHIt36<-ES(datBITCretOUTSAt36$rev.BITCretOUTSAt36, p=0.975, method="historical")
BITC	37	145	1941	2018-10-07	2018-10-07	BITCretOUTSAt37<-ln(BITCaprx[145:1941]/lead(BITCaprx[145:1941], 1))[1:1796]	datBITCretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(BITCretOUTSAt37))	BITCESHIt37<-ES(datBITCretOUTSAt37$rev.BITCretOUTSAt37, p=0.975, method="historical")
BITC	38	144	1940	2018-10-08	2018-10-08	BITCretOUTSAt38<-ln(BITCaprx[144:1940]/lead(BITCaprx[144:1940], 1))[1:1796]	datBITCretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(BITCretOUTSAt38))	BITCESHIt38<-ES(datBITCretOUTSAt38$rev.BITCretOUTSAt38, p=0.975, method="historical")
BITC	39	143	1939	2018-10-09	2018-10-09	BITCretOUTSAt39<-ln(BITCaprx[143:1939]/lead(BITCaprx[143:1939], 1))[1:1796]	datBITCretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(BITCretOUTSAt39))	BITCESHIt39<-ES(datBITCretOUTSAt39$rev.BITCretOUTSAt39, p=0.975, method="historical")
BITC	40	142	1938	2018-10-10	2018-10-10	BITCretOUTSAt40<-ln(BITCaprx[142:1938]/lead(BITCaprx[142:1938], 1))[1:1796]	datBITCretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(BITCretOUTSAt40))	BITCESHIt40<-ES(datBITCretOUTSAt40$rev.BITCretOUTSAt40, p=0.975, method="historical")
BITC	41	141	1937	2018-10-11	2018-10-11	BITCretOUTSAt41<-ln(BITCaprx[141:1937]/lead(BITCaprx[141:1937], 1))[1:1796]	datBITCretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(BITCretOUTSAt41))	BITCESHIt41<-ES(datBITCretOUTSAt41$rev.BITCretOUTSAt41, p=0.975, method="historical")
BITC	42	140	1936	2018-10-12	2018-10-12	BITCretOUTSAt42<-ln(BITCaprx[140:1936]/lead(BITCaprx[140:1936], 1))[1:1796]	datBITCretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(BITCretOUTSAt42))	BITCESHIt42<-ES(datBITCretOUTSAt42$rev.BITCretOUTSAt42, p=0.975, method="historical")
BITC	43	139	1935	2018-10-13	2018-10-13	BITCretOUTSAt43<-ln(BITCaprx[139:1935]/lead(BITCaprx[139:1935], 1))[1:1796]	datBITCretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(BITCretOUTSAt43))	BITCESHIt43<-ES(datBITCretOUTSAt43$rev.BITCretOUTSAt43, p=0.975, method="historical")
BITC	44	138	1934	2018-10-14	2018-10-14	BITCretOUTSAt44<-ln(BITCaprx[138:1934]/lead(BITCaprx[138:1934], 1))[1:1796]	datBITCretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(BITCretOUTSAt44))	BITCESHIt44<-ES(datBITCretOUTSAt44$rev.BITCretOUTSAt44, p=0.975, method="historical")
BITC	45	137	1933	2018-10-15	2018-10-15	BITCretOUTSAt45<-ln(BITCaprx[137:1933]/lead(BITCaprx[137:1933], 1))[1:1796]	datBITCretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(BITCretOUTSAt45))	BITCESHIt45<-ES(datBITCretOUTSAt45$rev.BITCretOUTSAt45, p=0.975, method="historical")
BITC	46	136	1932	2018-10-16	2018-10-16	BITCretOUTSAt46<-ln(BITCaprx[136:1932]/lead(BITCaprx[136:1932], 1))[1:1796]	datBITCretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(BITCretOUTSAt46))	BITCESHIt46<-ES(datBITCretOUTSAt46$rev.BITCretOUTSAt46, p=0.975, method="historical")
BITC	47	135	1931	2018-10-17	2018-10-17	BITCretOUTSAt47<-ln(BITCaprx[135:1931]/lead(BITCaprx[135:1931], 1))[1:1796]	datBITCretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(BITCretOUTSAt47))	BITCESHIt47<-ES(datBITCretOUTSAt47$rev.BITCretOUTSAt47, p=0.975, method="historical")
BITC	48	134	1930	2018-10-18	2018-10-18	BITCretOUTSAt48<-ln(BITCaprx[134:1930]/lead(BITCaprx[134:1930], 1))[1:1796]	datBITCretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(BITCretOUTSAt48))	BITCESHIt48<-ES(datBITCretOUTSAt48$rev.BITCretOUTSAt48, p=0.975, method="historical")
BITC	49	133	1929	2018-10-19	2018-10-19	BITCretOUTSAt49<-ln(BITCaprx[133:1929]/lead(BITCaprx[133:1929], 1))[1:1796]	datBITCretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(BITCretOUTSAt49))	BITCESHIt49<-ES(datBITCretOUTSAt49$rev.BITCretOUTSAt49, p=0.975, method="historical")
BITC	50	132	1928	2018-10-20	2018-10-20	BITCretOUTSAt50<-ln(BITCaprx[132:1928]/lead(BITCaprx[132:1928], 1))[1:1796]	datBITCretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(BITCretOUTSAt50))	BITCESHIt50<-ES(datBITCretOUTSAt50$rev.BITCretOUTSAt50, p=0.975, method="historical")
BITC	51	131	1927	2018-10-21	2018-10-21	BITCretOUTSAt51<-ln(BITCaprx[131:1927]/lead(BITCaprx[131:1927], 1))[1:1796]	datBITCretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(BITCretOUTSAt51))	BITCESHIt51<-ES(datBITCretOUTSAt51$rev.BITCretOUTSAt51, p=0.975, method="historical")
BITC	52	130	1926	2018-10-22	2018-10-22	BITCretOUTSAt52<-ln(BITCaprx[130:1926]/lead(BITCaprx[130:1926], 1))[1:1796]	datBITCretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(BITCretOUTSAt52))	BITCESHIt52<-ES(datBITCretOUTSAt52$rev.BITCretOUTSAt52, p=0.975, method="historical")
BITC	53	129	1925	2018-10-23	2018-10-23	BITCretOUTSAt53<-ln(BITCaprx[129:1925]/lead(BITCaprx[129:1925], 1))[1:1796]	datBITCretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(BITCretOUTSAt53))	BITCESHIt53<-ES(datBITCretOUTSAt53$rev.BITCretOUTSAt53, p=0.975, method="historical")
BITC	54	128	1924	2018-10-24	2018-10-24	BITCretOUTSAt54<-ln(BITCaprx[128:1924]/lead(BITCaprx[128:1924], 1))[1:1796]	datBITCretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(BITCretOUTSAt54))	BITCESHIt54<-ES(datBITCretOUTSAt54$rev.BITCretOUTSAt54, p=0.975, method="historical")
BITC	55	127	1923	2018-10-25	2018-10-25	BITCretOUTSAt55<-ln(BITCaprx[127:1923]/lead(BITCaprx[127:1923], 1))[1:1796]	datBITCretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(BITCretOUTSAt55))	BITCESHIt55<-ES(datBITCretOUTSAt55$rev.BITCretOUTSAt55, p=0.975, method="historical")
BITC	56	126	1922	2018-10-26	2018-10-26	BITCretOUTSAt56<-ln(BITCaprx[126:1922]/lead(BITCaprx[126:1922], 1))[1:1796]	datBITCretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(BITCretOUTSAt56))	BITCESHIt56<-ES(datBITCretOUTSAt56$rev.BITCretOUTSAt56, p=0.975, method="historical")
BITC	57	125	1921	2018-10-27	2018-10-27	BITCretOUTSAt57<-ln(BITCaprx[125:1921]/lead(BITCaprx[125:1921], 1))[1:1796]	datBITCretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(BITCretOUTSAt57))	BITCESHIt57<-ES(datBITCretOUTSAt57$rev.BITCretOUTSAt57, p=0.975, method="historical")
BITC	58	124	1920	2018-10-28	2018-10-28	BITCretOUTSAt58<-ln(BITCaprx[124:1920]/lead(BITCaprx[124:1920], 1))[1:1796]	datBITCretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(BITCretOUTSAt58))	BITCESHIt58<-ES(datBITCretOUTSAt58$rev.BITCretOUTSAt58, p=0.975, method="historical")
BITC	59	123	1919	2018-10-29	2018-10-29	BITCretOUTSAt59<-ln(BITCaprx[123:1919]/lead(BITCaprx[123:1919], 1))[1:1796]	datBITCretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(BITCretOUTSAt59))	BITCESHIt59<-ES(datBITCretOUTSAt59$rev.BITCretOUTSAt59, p=0.975, method="historical")
BITC	60	122	1918	2018-10-30	2018-10-30	BITCretOUTSAt60<-ln(BITCaprx[122:1918]/lead(BITCaprx[122:1918], 1))[1:1796]	datBITCretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(BITCretOUTSAt60))	BITCESHIt60<-ES(datBITCretOUTSAt60$rev.BITCretOUTSAt60, p=0.975, method="historical")
BITC	61	121	1917	2018-10-31	2018-10-31	BITCretOUTSAt61<-ln(BITCaprx[121:1917]/lead(BITCaprx[121:1917], 1))[1:1796]	datBITCretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(BITCretOUTSAt61))	BITCESHIt61<-ES(datBITCretOUTSAt61$rev.BITCretOUTSAt61, p=0.975, method="historical")
BITC	62	120	1916	2018-11-01	2018-11-01	BITCretOUTSAt62<-ln(BITCaprx[120:1916]/lead(BITCaprx[120:1916], 1))[1:1796]	datBITCretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(BITCretOUTSAt62))	BITCESHIt62<-ES(datBITCretOUTSAt62$rev.BITCretOUTSAt62, p=0.975, method="historical")
BITC	63	119	1915	2018-11-02	2018-11-02	BITCretOUTSAt63<-ln(BITCaprx[119:1915]/lead(BITCaprx[119:1915], 1))[1:1796]	datBITCretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(BITCretOUTSAt63))	BITCESHIt63<-ES(datBITCretOUTSAt63$rev.BITCretOUTSAt63, p=0.975, method="

BITC	118	64	1860	2018-12-27	2018-12-27	BITCretOUTSAt118:-ln(BITCapr×[64:1860]/lead(BITCapr×[64:1860], 1))[1:1796]	datBITCretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(BITCretOUTSAt118))	BITCESHIt118<-ES(datBITCretOUTSAt118$rev.BITCretOUTSAt118, p=0.975, method="historical")
BITC	119	63	1859	2018-12-28	2018-12-28	BITCretOUTSAt119:-ln(BITCapr×[63:1859]/lead(BITCapr×[63:1859], 1))[1:1796]	datBITCretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(BITCretOUTSAt119))	BITCESHIt119<-ES(datBITCretOUTSAt119$rev.BITCretOUTSAt119, p=0.975, method="historical")
BITC	120	62	1858	2018-12-29	2018-12-29	BITCretOUTSAt120:-ln(BITCapr×[62:1858]/lead(BITCapr×[62:1858], 1))[1:1796]	datBITCretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(BITCretOUTSAt120))	BITCESHIt120<-ES(datBITCretOUTSAt120$rev.BITCretOUTSAt120, p=0.975, method="historical")
BITC	121	61	1857	2018-12-30	2018-12-30	BITCretOUTSAt121:-ln(BITCapr×[61:1857]/lead(BITCapr×[61:1857], 1))[1:1796]	datBITCretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(BITCretOUTSAt121))	BITCESHIt121<-ES(datBITCretOUTSAt121$rev.BITCretOUTSAt121, p=0.975, method="historical")
BITC	122	60	1856	2018-12-31	2018-12-31	BITCretOUTSAt122:-ln(BITCapr×[60:1856]/lead(BITCapr×[60:1856], 1))[1:1796]	datBITCretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(BITCretOUTSAt122))	BITCESHIt122<-ES(datBITCretOUTSAt122$rev.BITCretOUTSAt122, p=0.975, method="historical")
BITC	123	59	1855	2019-01-01	2019-01-01	BITCretOUTSAt123:-ln(BITCapr×[59:1855]/lead(BITCapr×[59:1855], 1))[1:1796]	datBITCretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(BITCretOUTSAt123))	BITCESHIt123<-ES(datBITCretOUTSAt123$rev.BITCretOUTSAt123, p=0.975, method="historical")
BITC	124	58	1854	2019-01-02	2019-01-02	BITCretOUTSAt124:-ln(BITCapr×[58:1854]/lead(BITCapr×[58:1854], 1))[1:1796]	datBITCretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(BITCretOUTSAt124))	BITCESHIt124<-ES(datBITCretOUTSAt124$rev.BITCretOUTSAt124, p=0.975, method="historical")
BITC	125	57	1853	2019-01-03	2019-01-03	BITCretOUTSAt125:-ln(BITCapr×[57:1853]/lead(BITCapr×[57:1853], 1))[1:1796]	datBITCretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(BITCretOUTSAt125))	BITCESHIt125<-ES(datBITCretOUTSAt125$rev.BITCretOUTSAt125, p=0.975, method="historical")
BITC	126	56	1852	2019-01-04	2019-01-04	BITCretOUTSAt126:-ln(BITCapr×[56:1852]/lead(BITCapr×[56:1852], 1))[1:1796]	datBITCretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(BITCretOUTSAt126))	BITCESHIt126<-ES(datBITCretOUTSAt126$rev.BITCretOUTSAt126, p=0.975, method="historical")
BITC	127	55	1851	2019-01-05	2019-01-05	BITCretOUTSAt127:-ln(BITCapr×[55:1851]/lead(BITCapr×[55:1851], 1))[1:1796]	datBITCretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(BITCretOUTSAt127))	BITCESHIt127<-ES(datBITCretOUTSAt127$rev.BITCretOUTSAt127, p=0.975, method="historical")
BITC	128	54	1850	2019-01-06	2019-01-06	BITCretOUTSAt128:-ln(BITCapr×[54:1850]/lead(BITCapr×[54:1850], 1))[1:1796]	datBITCretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(BITCretOUTSAt128))	BITCESHIt128<-ES(datBITCretOUTSAt128$rev.BITCretOUTSAt128, p=0.975, method="historical")
BITC	129	53	1849	2019-01-07	2019-01-07	BITCretOUTSAt129:-ln(BITCapr×[53:1849]/lead(BITCapr×[53:1849], 1))[1:1796]	datBITCretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(BITCretOUTSAt129))	BITCESHIt129<-ES(datBITCretOUTSAt129$rev.BITCretOUTSAt129, p=0.975, method="historical")
BITC	130	52	1848	2019-01-08	2019-01-08	BITCretOUTSAt130:-ln(BITCapr×[52:1848]/lead(BITCapr×[52:1848], 1))[1:1796]	datBITCretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(BITCretOUTSAt130))	BITCESHIt130<-ES(datBITCretOUTSAt130$rev.BITCretOUTSAt130, p=0.975, method="historical")
BITC	131	51	1847	2019-01-09	2019-01-09	BITCretOUTSAt131:-ln(BITCapr×[51:1847]/lead(BITCapr×[51:1847], 1))[1:1796]	datBITCretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(BITCretOUTSAt131))	BITCESHIt131<-ES(datBITCretOUTSAt131$rev.BITCretOUTSAt131, p=0.975, method="historical")
BITC	132	50	1846	2019-01-10	2019-01-10	BITCretOUTSAt132:-ln(BITCapr×[50:1846]/lead(BITCapr×[50:1846], 1))[1:1796]	datBITCretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(BITCretOUTSAt132))	BITCESHIt132<-ES(datBITCretOUTSAt132$rev.BITCretOUTSAt132, p=0.975, method="historical")
BITC	133	49	1845	2019-01-11	2019-01-11	BITCretOUTSAt133:-ln(BITCapr×[49:1845]/lead(BITCapr×[49:1845], 1))[1:1796]	datBITCretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(BITCretOUTSAt133))	BITCESHIt133<-ES(datBITCretOUTSAt133$rev.BITCretOUTSAt133, p=0.975, method="historical")
BITC	134	48	1844	2019-01-12	2019-01-12	BITCretOUTSAt134:-ln(BITCapr×[48:1844]/lead(BITCapr×[48:1844], 1))[1:1796]	datBITCretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(BITCretOUTSAt134))	BITCESHIt134<-ES(datBITCretOUTSAt134$rev.BITCretOUTSAt134, p=0.975, method="historical")
BITC	135	47	1843	2019-01-13	2019-01-13	BITCretOUTSAt135:-ln(BITCapr×[47:1843]/lead(BITCapr×[47:1843], 1))[1:1796]	datBITCretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(BITCretOUTSAt135))	BITCESHIt135<-ES(datBITCretOUTSAt135$rev.BITCretOUTSAt135, p=0.975, method="historical")
BITC	136	46	1842	2019-01-14	2019-01-14	BITCretOUTSAt136:-ln(BITCapr×[46:1842]/lead(BITCapr×[46:1842], 1))[1:1796]	datBITCretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(BITCretOUTSAt136))	BITCESHIt136<-ES(datBITCretOUTSAt136$rev.BITCretOUTSAt136, p=0.975, method="historical")
BITC	137	45	1841	2019-01-15	2019-01-15	BITCretOUTSAt137:-ln(BITCapr×[45:1841]/lead(BITCapr×[45:1841], 1))[1:1796]	datBITCretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(BITCretOUTSAt137))	BITCESHIt137<-ES(datBITCretOUTSAt137$rev.BITCretOUTSAt137, p=0.975, method="historical")
BITC	138	44	1840	2019-01-16	2019-01-16	BITCretOUTSAt138:-ln(BITCapr×[44:1840]/lead(BITCapr×[44:1840], 1))[1:1796]	datBITCretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(BITCretOUTSAt138))	BITCESHIt138<-ES(datBITCretOUTSAt138$rev.BITCretOUTSAt138, p=0.975, method="historical")
BITC	139	43	1839	2019-01-17	2019-01-17	BITCretOUTSAt139:-ln(BITCapr×[43:1839]/lead(BITCapr×[43:1839], 1))[1:1796]	datBITCretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(BITCretOUTSAt139))	BITCESHIt139<-ES(datBITCretOUTSAt139$rev.BITCretOUTSAt139, p=0.975, method="historical")
BITC	140	42	1838	2019-01-18	2019-01-18	BITCretOUTSAt140:-ln(BITCapr×[42:1838]/lead(BITCapr×[42:1838], 1))[1:1796]	datBITCretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(BITCretOUTSAt140))	BITCESHIt140<-ES(datBITCretOUTSAt140$rev.BITCretOUTSAt140, p=0.975, method="historical")
BITC	141	41	1837	2019-01-19	2019-01-19	BITCretOUTSAt141:-ln(BITCapr×[41:1837]/lead(BITCapr×[41:1837], 1))[1:1796]	datBITCretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(BITCretOUTSAt141))	BITCESHIt141<-ES(datBITCretOUTSAt141$rev.BITCretOUTSAt141, p=0.975, method="historical")
BITC	142	40	1836	2019-01-20	2019-01-20	BITCretOUTSAt142:-ln(BITCapr×[40:1836]/lead(BITCapr×[40:1836], 1))[1:1796]	datBITCretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(BITCretOUTSAt142))	BITCESHIt142<-ES(datBITCretOUTSAt142$rev.BITCretOUTSAt142, p=0.975, method="historical")
BITC	143	39	1835	2019-01-21	2019-01-21	BITCretOUTSAt143:-ln(BITCapr×[39:1835]/lead(BITCapr×[39:1835], 1))[1:1796]	datBITCretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(BITCretOUTSAt143))	BITCESHIt143<-ES(datBITCretOUTSAt143$rev.BITCretOUTSAt143, p=0.975, method="historical")
BITC	144	38	1834	2019-01-22	2019-01-22	BITCretOUTSAt144:-ln(BITCapr×[38:1834]/lead(BITCapr×[38:1834], 1))[1:1796]	datBITCretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(BITCretOUTSAt144))	BITCESHIt144<-ES(datBITCretOUTSAt144$rev.BITCretOUTSAt144, p=0.975, method="historical")
BITC	145	37	1833	2019-01-23	2019-01-23	BITCretOUTSAt145:-ln(BITCapr×[37:1833]/lead(BITCapr×[37:1833], 1))[1:1796]	datBITCretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(BITCretOUTSAt145))	BITCESHIt145<-ES(datBITCretOUTSAt145$rev.BITCretOUTSAt145, p=0.975, method="historical")
BITC	146	36	1832	2019-01-24	2019-01-24	BITCretOUTSAt146:-ln(BITCapr×[36:1832]/lead(BITCapr×[36:1832], 1))[1:1796]	datBITCretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(BITCretOUTSAt146))	BITCESHIt146<-ES(datBITCretOUTSAt146$rev.BITCretOUTSAt146, p=0.975, method="historical")
BITC	147	35	1831	2019-01-25	2019-01-25	BITCretOUTSAt147:-ln(BITCapr×[35:1831]/lead(BITCapr×[35:1831], 1))[1:1796]	datBITCretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(BITCretOUTSAt147))	BITCESHIt147<-ES(datBITCretOUTSAt147$rev.BITCretOUTSAt147, p=0.975, method="historical")
BITC	148	34	1830	2019-01-26	2019-01-26	BITCretOUTSAt148:-ln(BITCapr×[34:1830]/lead(BITCapr×[34:1830], 1))[1:1796]	datBITCretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(BITCretOUTSAt148))	BITCESHIt148<-ES(datBITCretOUTSAt148$rev.BITCretOUTSAt148, p=0.975, method="historical")
BITC	149	33	1829	2019-01-27	2019-01-27	BITCretOUTSAt149:-ln(BITCapr×[33:1829]/lead(BITCapr×[33:1829], 1))[1:1796]	datBITCretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(BITCretOUTSAt149))	BITCESHIt149<-ES(datBITCretOUTSAt149$rev.BITCretOUTSAt149, p=0.975, method="historical")
BITC	150	32	1828	2019-01-28	2019-01-28	BITCretOUTSAt150:-ln(BITCapr×[32:1828]/lead(BITCapr×[32:1828], 1))[1:1796]	datBITCretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(BITCretOUTSAt150))	BITCESHIt150<-ES(datBITCretOUTSAt150$rev.BITCretOUTSAt150, p=0.975, method="historical")
BITC	151	31	1827	2019-01-29	2019-01-29	BITCretOUTSAt151:-ln(BITCapr×[31:1827]/lead(BITCapr×[31:1827], 1))[1:1796]	datBITCretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(BITCretOUTSAt151))	BITCESHIt151<-ES(datBITCretOUTSAt151$rev.BITCretOUTSAt151, p=0.975, method="historical")
BITC	152	30	1826	2019-01-30	2019-01-30	BITCretOUTSAt152:-ln(BITCapr×[30:1826]/lead(BITCapr×[30:1826], 1))[1:1796]	datBITCretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(BITCretOUTSAt152))	BITCESHIt152<-ES(datBITCretOUTSAt152$rev.BITCretOUTSAt152, p=0.975, method="historical")
BITC	153	29	1825	2019-01-31	2019-01-31	BITCretOUTSAt153:-ln(BITCapr×[29:1825]/lead(BITCapr×[29:1825], 1))[1:1796]	datBITCretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(BITCretOUTSAt153))	BITCESHIt153<-ES(datBITCretOUTSAt153$rev.BITCretOUTSAt153, p=0.975, method="historical")
BITC	154	28	1824	2019-02-01	2019-02-01	BITCretOUTSAt154:-ln(BITCapr×[28:1824]/lead(BITCapr×[28:1824], 1))[1:1796]	datBITCretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(BITCretOUTSAt154))	BITCESHIt154<-ES(datBITCretOUTSAt154$rev.BITCretOUTSAt154, p=0.975, method="historical")
BITC	155	27	1823	2019-02-02	2019-02-02	BITCretOUTSAt155:-ln(BITCapr×[27:1823]/lead(BITCapr×[27:1823], 1))[1:1796]	datBITCretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(BITCretOUTSAt155))	BITCESHIt155<-ES(datBITCretOUTSAt155$rev.BITCretOUTSAt155, p=0.975, method="historical")
BITC	156	26	1822	2019-02-03	2019-02-03	BITCretOUTSAt156:-ln(BITCapr×[26:1822]/lead(BITCapr×[26:1822], 1))[1:1796]	datBITCretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(BITCretOUTSAt156))	BITCESHIt156<-ES(datBITCretOUTSAt156$rev.BITCretOUTSAt156, p=0.975, method="historical")
BITC	157	25	1821	2019-02-04	2019-02-04	BITCretOUTSAt157:-ln(BITCapr×[25:1821]/lead(BITCapr×[25:1821], 1))[1:1796]	datBITCretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(BITCretOUTSAt157))	BITCESHIt157<-ES(datBITCretOUTSAt157$rev.BITCretOUTSAt157, p=0.975, method="historical")
BITC	158	24	1820	2019-02-05	2019-02-05	BITCretOUTSAt158:-ln(BITCapr×[24:1820]/lead(BITCapr×[24:1820], 1))[1:1796]	datBITCretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(BITCretOUTSAt158))	BITCESHIt158<-ES(datBITCretOUTSAt158$rev.BITCretOUTSAt158, p=0.975, method="historical")
BITC	159	23	1819	2019-02-06	2019-02-06	BITCretOUTSAt159:-ln(BITCapr×[23:1819]/lead(BITCapr×[23:1819], 1))[1:1796]	datBITCretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(BITCretOUTSAt159))	BITCESHIt159<-ES(datBITCretOUTSAt159$rev.BITCretOUTSAt159, p=0.975, method="historical")
BITC	160	22	1818	2019-02-07	2019-02-07	BITCretOUTSAt160:-ln(BITCapr×[22:1818]/lead(BITCapr×[22:1818], 1))[1:1796]	datBITCretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(BITCretOUTSAt160))	BITCESHIt160<-ES(datBITCretOUTSAt160$rev.BITCretOUTSAt160, p=0.975, method="historical")
BITC	161	21	1817	2019-02-08	2019-02-08	BITCretOUTSAt161:-ln(BITCapr×[21:1817]/lead(BITCapr×[21:1817], 1))[1:1796]	datBITCretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(BITCretOUTSAt161))	BITCESHIt161<-ES(datBITCretOUTSAt161$rev.BITCretOUTSAt161, p=0.975, method="historical")
BITC	162	20	1816	2019-02-09	2019-02-09	BITCretOUTSAt162:-ln(BITCapr×[20:1816]/lead(BITCapr×[20:1816], 1))[1:1796]	datBITCretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(BITCretOUTSAt162))	BITCESHIt162<-ES(datBITCretOUTSAt162$rev.BITCretOUTSAt162, p=0.975, method="historical")
BITC	163	19	1815	2019-02-10	2019-02-10	BITCretOUTSAt163:-ln(BITCapr×[19:1815]/lead(BITCapr×[19:1815], 1))[1:1796]	datBITCretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(BITCretOUTSAt163))	BITCESHIt163<-ES(datBITCretOUTSAt163$rev.BITCretOUTSAt163, p=0.975, method="historical")
BITC	164	18	1814	2019-02-11	2019-02-11	BITCretOUTSAt164:-ln(BITCapr×[18:1814]/lead(BITCapr×[18:1814], 1))[1:1796]	datBITCretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(BITCretOUTSAt164))	BITCESHIt164<-ES(datBITCretOUTSAt164$rev.BITCretOUTSAt164, p=0.975, method="historical")
BITC	165	17	1813	2019-02-12	2019-02-12	BITCretOUTSAt165:-ln(BITCapr×[17:1813]/lead(BITCapr×[17:1813], 1))[1:1796]	datBITCretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(BITCretOUTSAt165))	BITCESHIt165<-ES(datBITCretOUTSAt165$rev.BITCretOUTSAt165, p=0.975, method="historical")
BITC	166	16	1812	2019-02-13	2019-02-13	BITCretOUTSAt166:-ln(BITCapr×[16:1812]/lead(BITCapr×[16:1812], 1))[1:1796]	datBITCretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(BITCretOUTSAt166))	BITCESHIt166<-ES(datBITCretOUTSAt166$rev.BITCretOUTSAt166, p=0.975, method="historical")
BITC	167	15	1811	2019-02-14	2019-02-14	BITCretOUTSAt167:-ln(BITCapr×[15:1811]/lead(BITCapr×[15:1811], 1))[1:1796]	datBITCretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(BITCretOUTSAt167))	BITCESHIt167<-ES(datBITCretOUTSAt167$rev.BITCretOUTSAt167, p=0.975, method="historical")
BITC	168	14	1810	2019-02-15	2019-02-15	BITCretOUTSAt168:-ln(BITCapr×[14:1810]/lead(BITCapr×[14:1810], 1))[1:1796]	datBITCretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(BITCretOUTSAt168))	BITCESHIt168<-ES(datBITCretOUTSAt168$rev.BITCretOUTSAt168, p=0.975, method="historical")
BITC	169	13	1809	2019-02-16	2019-02-16	BITCretOUTSAt169:-ln(BITCapr×[13:1809]/lead(BITCapr×[13:1809], 1))[1:1796]	datBITCretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(BITCretOUTSAt169))	BITCESHIt169<-ES(datBITCretOUTSAt169$rev.BITCretOUTSAt169, p=0.975, method="historical")
BITC	170	12	1808	2019-02-17	2019-02-17	BITCretOUTSAt170:-ln(BITCapr×[12:1808]/lead(BITCapr×[12:1808], 1))[1:1796]	datBITCretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(BITCretOUTSAt170))	BITCESHIt170<-ES(datBITCretOUTSAt170$rev.BITCretOUTSAt170, p=0.975, method="historical")
BITC	171	11	1807	2019-02-18	2019-02-18	BITCretOUTSAt171:-ln(BITCapr×[11:1807]/lead(BITCapr×[11:1807], 1))[1:1796]	datBITCretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(BITCretOUTSAt171))	BITCESHIt171<-ES(datBITCretOUTSAt171$rev.BITCretOUTSAt171, p=0.975, method="historical")
BITC	172	10	1806	2019-02-19	2019-02-19	BITCretOUTSAt172:-ln(BITCapr×[10:1806]/lead(BITCapr×[10:1806], 1))[1:1796]	datBITCretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(BITCretOUTSAt172))	BITCESHIt172<-ES(datBITCretOUTSAt172$rev.BITCretOUTSAt172, p=0.975, method="historical")
BITC	173	9	1805	2019-02-20	2019-02-20	BITCretOUTSAt173:-ln(BITCapr×[9:1805]/lead(BITCapr×[9:1805], 1))[1:1796]	datBITCretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(BITCretOUTSAt173))	BITCESHIt173<-ES(datBITCretOUTSAt173$rev.BITCretOUTSAt173, p=0.975, method="historical")
BITC	174	8	1804	2019-02-21	2019-02-21	BITCretOUTSAt174:-ln(BITCapr×[8:1804]/lead(BITCapr×[8:1804], 1))[1:1796]	datBITCretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(BITCretOUTSAt174))	BITCESHIt174<-ES(datBITCretOUTSAt174$rev.BITCretOUTSAt174, p=0.975, method="historical")
BITC	175	7	1803	2019-02-22	2019-02-22	BITCretOUTSAt175:-ln(BITCapr×[7:1803]/lead(BITCapr×[7:1803], 1))[1:1796]	datBITCretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(BITCretOUTSAt175))	BITCESHIt175<-ES(datBITCretOUTSAt175$rev.BITCretOUTSAt175, p=0.975, method="historical")
BITC	176	6	1802	2019-02-23	2019-02-23	BITCretOUTSAt176:-ln(BITCapr×[6:1802]/lead(BITCapr×[6:1802], 1))[1:1796]	datBITCretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(BITCretOUTSAt176))	BITCESHIt176<-ES(datBITCretOUTSAt176$rev.BITCretOUTSAt176, p=0.975, method="historical")
BITC	177	5	1801	2019-02-24	2019-02-24	BITCretOUTSAt177:-ln(BITCapr×[5:1801]/lead(BITCapr×[5:1801], 1))[1:1796]	datBITCretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(BITCretOUTSAt177))	BITCESHIt177<-ES(datBITCretOUTSAt177$rev.BITCretOUTSAt177, p=0.975, method="historical")
BITC	178	4	1800	2019-02-25	2019-02-25	BITCretOUTSAt178:-ln(BITCapr×[4:1800]/lead(BITCapr×[4:1800], 1))[1:1796]	datBITCretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(BITCretOUTSAt178))	BITCESHIt178<-ES(datBITCretOUTSAt178$rev.BITCretOUTSAt178, p=0.975, method="historical")
BITC	179	3	1799	2019-02-26	2019-02-26	BITCretOUTSAt179:-ln(BITCapr×[3:1799]/lead(BITCapr×[3:1799], 1))[1:1796]	datBITCretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(BITCretOUTSAt179))	BITCESHIt179<-ES(datBITCretOUTSAt179$rev.BITCretOUTSAt179, p=0.975, method="historical")
BITC	180	2	1798	2019-02-27	2019-02-27	BITCretOUTSAt180:-ln(BITCapr×[2:1798]/lead(BITCapr×[2:1798], 1))[1:1796]	datBITCretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(BITCretOUTSAt180))	BITCESHIt180<-ES(datBITCretOUTSAt180$rev.BITCretOUTSAt180, p=0.975, method="historical")
BITC	181	1	1797	2019-02-28	2019-02-28	BITCretOUTSAt181:-ln(BITCapr×[1:1797]/lead(BITCapr×[1:1797], 1))[1:1796]	datBITCretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(BITCretOUTSAt181))	BITCESHIt181<-ES(datBITCretOUTSAt181$rev.BITCretOUTSAt181, p=0.975, method="historical")
#LITC								
LITC	1	181	1977	2018-09-01	2018-09-01	LITCretOUTSAt1:-ln(LITCapr×[181:1977]/lead(LITCapr×[181:1977], 1))[1:1796]	datLITCretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(LITCretOUTSAt1))	LITCESHIt1<-ES(datLITCretOUTSAt1$rev.LITCretOUTSAt1, p=0.975, method="historical")
LITC	2	180	1976	2018-09-02	2018-09-02	LITCretOUTSAt2:-ln(LITCapr×[180:1976]/lead(LITCapr×[180:1976], 1))[1:1796]	datLITCretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(LITCretOUTSAt2))	LITCESHIt2<-ES(datLITCretOUTSAt2$rev.LITCretOUTSAt2, p=0.975, method="historical")
LITC	3	179	1975	2018-09-03	2018-09-03	LITCretOUTSAt3:-ln(LITCapr×[179:1975]/lead(LITCapr×[179:1975], 1))[1:1796]	datLITCretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(LITCretOUTSAt3))	LITCESHIt3<-ES(datLITCretOUTSAt3$rev.LITCretOUTSAt3, p=0.975, method="historical")
LITC	4	178	1974	2018-09-04	2018-09-04	LITCretOUTSAt4:-ln(LITCapr×[178:1974]/lead(LITCapr×[178:1974], 1))[1:1796]	datLITCretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(LITCretOUTSAt4))	LITCESHIt4<-ES(datLITCretOUTSAt4$rev.LITCretOUTSAt4, p=0.975, method="historical")
LITC	5	177	1973	2018-09-05	2018-09-05	LITCretOUTSAt5:-ln(LITCapr×[177:1973]/lead(LITCapr×[177:1973], 1))[1:1796]	datLITCretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(LITCretOUTSAt5))	LITCESHIt5<-ES(datLITCretOUTSAt5$rev.LITCretOUTSAt5, p=0.975, method="historical")
LITC	6	176	1972	2018-09-06	2018-09-06	LITCretOUTSAt6:-ln(LITCapr×[176:1972]/lead(LITCapr×[176:1972], 1))[1:1796]	datLITCretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(LITCretOUTSAt6))	LITCESHIt6<-ES(datLITCretOUTSAt6$rev.LITCretOUTSAt6, p=0.975, method="historical")
LITC	7	175	1971	2018-09-07	2018-09-07	LITCretOUTSAt7:-ln(LITCapr×[175:1971]/lead(LITCapr×[175:1971], 1))[1:1796]	datLITCretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(LITCretOUTSAt7))	LITCESHIt7<-ES(datLITCretOUTSAt7$rev.LITCretOUTSAt7, p=0.975, method="historical")
LITC	8	174	1970	2018-09-08	2018-09-08	LITCretOUTSAt8:-ln(LITCapr×[174:1970]/lead(LITCapr×[174:1970], 1))[1:1796]	datLITCretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(LITCretOUTSAt8))	LITCESHIt8<-ES(datLITCretOUTSAt8$rev.LITCretOUTSAt8, p=0.975, method="historical")
LITC	9	173	1969	2018-09-09	2018-09-09	LITCretOUTSAt9:-ln(LITCapr×[173:1969]/lead(LITCapr×[173:1969], 1))[1:1796]	datLITCretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(LITCretOUTSAt9))	LITCESHIt9<-ES(datLITCretOUTSAt9$rev.LITCretOUTSAt9, p=0.975, method="historical")
LITC	10	172	1968	2018-09-10	2018-09-10	LITCretOUTSAt10:-ln(LITCapr×[172:1968]/lead(LITCapr×[172:1968], 1))[1:1796

LITC	64	118	1914	2018-11-03	2018-11-03	LITCretOUTSAt64<-ln(LITCaprx[118:1914]/lead(LITCaprx[118:1914], 1))[1:1796]	datLITCretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(LITCretOUTSAt64))	LITCESHIt64<-ES(datLITCretOUTSAt64$rev.LITCretOUTSAt64, p=0.975, method="historical")
LITC	65	117	1913	2018-11-04	2018-11-04	LITCretOUTSAt65<-ln(LITCaprx[117:1913]/lead(LITCaprx[117:1913], 1))[1:1796]	datLITCretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(LITCretOUTSAt65))	LITCESHIt65<-ES(datLITCretOUTSAt65$rev.LITCretOUTSAt65, p=0.975, method="historical")
LITC	66	116	1912	2018-11-05	2018-11-05	LITCretOUTSAt66<-ln(LITCaprx[116:1912]/lead(LITCaprx[116:1912], 1))[1:1796]	datLITCretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(LITCretOUTSAt66))	LITCESHIt66<-ES(datLITCretOUTSAt66$rev.LITCretOUTSAt66, p=0.975, method="historical")
LITC	67	115	1911	2018-11-06	2018-11-06	LITCretOUTSAt67<-ln(LITCaprx[115:1911]/lead(LITCaprx[115:1911], 1))[1:1796]	datLITCretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(LITCretOUTSAt67))	LITCESHIt67<-ES(datLITCretOUTSAt67$rev.LITCretOUTSAt67, p=0.975, method="historical")
LITC	68	114	1910	2018-11-07	2018-11-07	LITCretOUTSAt68<-ln(LITCaprx[114:1910]/lead(LITCaprx[114:1910], 1))[1:1796]	datLITCretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(LITCretOUTSAt68))	LITCESHIt68<-ES(datLITCretOUTSAt68$rev.LITCretOUTSAt68, p=0.975, method="historical")
LITC	69	113	1909	2018-11-08	2018-11-08	LITCretOUTSAt69<-ln(LITCaprx[113:1909]/lead(LITCaprx[113:1909], 1))[1:1796]	datLITCretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(LITCretOUTSAt69))	LITCESHIt69<-ES(datLITCretOUTSAt69$rev.LITCretOUTSAt69, p=0.975, method="historical")
LITC	70	112	1908	2018-11-09	2018-11-09	LITCretOUTSAt70<-ln(LITCaprx[112:1908]/lead(LITCaprx[112:1908], 1))[1:1796]	datLITCretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(LITCretOUTSAt70))	LITCESHIt70<-ES(datLITCretOUTSAt70$rev.LITCretOUTSAt70, p=0.975, method="historical")
LITC	71	111	1907	2018-11-10	2018-11-10	LITCretOUTSAt71<-ln(LITCaprx[111:1907]/lead(LITCaprx[111:1907], 1))[1:1796]	datLITCretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(LITCretOUTSAt71))	LITCESHIt71<-ES(datLITCretOUTSAt71$rev.LITCretOUTSAt71, p=0.975, method="historical")
LITC	72	110	1906	2018-11-11	2018-11-11	LITCretOUTSAt72<-ln(LITCaprx[110:1906]/lead(LITCaprx[110:1906], 1))[1:1796]	datLITCretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(LITCretOUTSAt72))	LITCESHIt72<-ES(datLITCretOUTSAt72$rev.LITCretOUTSAt72, p=0.975, method="historical")
LITC	73	109	1905	2018-11-12	2018-11-12	LITCretOUTSAt73<-ln(LITCaprx[109:1905]/lead(LITCaprx[109:1905], 1))[1:1796]	datLITCretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(LITCretOUTSAt73))	LITCESHIt73<-ES(datLITCretOUTSAt73$rev.LITCretOUTSAt73, p=0.975, method="historical")
LITC	74	108	1904	2018-11-13	2018-11-13	LITCretOUTSAt74<-ln(LITCaprx[108:1904]/lead(LITCaprx[108:1904], 1))[1:1796]	datLITCretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(LITCretOUTSAt74))	LITCESHIt74<-ES(datLITCretOUTSAt74$rev.LITCretOUTSAt74, p=0.975, method="historical")
LITC	75	107	1903	2018-11-14	2018-11-14	LITCretOUTSAt75<-ln(LITCaprx[107:1903]/lead(LITCaprx[107:1903], 1))[1:1796]	datLITCretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(LITCretOUTSAt75))	LITCESHIt75<-ES(datLITCretOUTSAt75$rev.LITCretOUTSAt75, p=0.975, method="historical")
LITC	76	106	1902	2018-11-15	2018-11-15	LITCretOUTSAt76<-ln(LITCaprx[106:1902]/lead(LITCaprx[106:1902], 1))[1:1796]	datLITCretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(LITCretOUTSAt76))	LITCESHIt76<-ES(datLITCretOUTSAt76$rev.LITCretOUTSAt76, p=0.975, method="historical")
LITC	77	105	1901	2018-11-16	2018-11-16	LITCretOUTSAt77<-ln(LITCaprx[105:1901]/lead(LITCaprx[105:1901], 1))[1:1796]	datLITCretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(LITCretOUTSAt77))	LITCESHIt77<-ES(datLITCretOUTSAt77$rev.LITCretOUTSAt77, p=0.975, method="historical")
LITC	78	104	1900	2018-11-17	2018-11-17	LITCretOUTSAt78<-ln(LITCaprx[104:1900]/lead(LITCaprx[104:1900], 1))[1:1796]	datLITCretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(LITCretOUTSAt78))	LITCESHIt78<-ES(datLITCretOUTSAt78$rev.LITCretOUTSAt78, p=0.975, method="historical")
LITC	79	103	1899	2018-11-18	2018-11-18	LITCretOUTSAt79<-ln(LITCaprx[103:1899]/lead(LITCaprx[103:1899], 1))[1:1796]	datLITCretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(LITCretOUTSAt79))	LITCESHIt79<-ES(datLITCretOUTSAt79$rev.LITCretOUTSAt79, p=0.975, method="historical")
LITC	80	102	1898	2018-11-19	2018-11-19	LITCretOUTSAt80<-ln(LITCaprx[102:1898]/lead(LITCaprx[102:1898], 1))[1:1796]	datLITCretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(LITCretOUTSAt80))	LITCESHIt80<-ES(datLITCretOUTSAt80$rev.LITCretOUTSAt80, p=0.975, method="historical")
LITC	81	101	1897	2018-11-20	2018-11-20	LITCretOUTSAt81<-ln(LITCaprx[101:1897]/lead(LITCaprx[101:1897], 1))[1:1796]	datLITCretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(LITCretOUTSAt81))	LITCESHIt81<-ES(datLITCretOUTSAt81$rev.LITCretOUTSAt81, p=0.975, method="historical")
LITC	82	100	1896	2018-11-21	2018-11-21	LITCretOUTSAt82<-ln(LITCaprx[100:1896]/lead(LITCaprx[100:1896], 1))[1:1796]	datLITCretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(LITCretOUTSAt82))	LITCESHIt82<-ES(datLITCretOUTSAt82$rev.LITCretOUTSAt82, p=0.975, method="historical")
LITC	83	99	1895	2018-11-22	2018-11-22	LITCretOUTSAt83<-ln(LITCaprx[99:1895]/lead(LITCaprx[99:1895], 1))[1:1796]	datLITCretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(LITCretOUTSAt83))	LITCESHIt83<-ES(datLITCretOUTSAt83$rev.LITCretOUTSAt83, p=0.975, method="historical")
LITC	84	98	1894	2018-11-23	2018-11-23	LITCretOUTSAt84<-ln(LITCaprx[98:1894]/lead(LITCaprx[98:1894], 1))[1:1796]	datLITCretOUTSAt84<- data.frame(Date = seq(as.Date("2018-11-23"), as.Date("2018-11-23") , by = 1), rev(LITCretOUTSAt84))	LITCESHIt84<-ES(datLITCretOUTSAt84$rev.LITCretOUTSAt84, p=0.975, method="historical")
LITC	85	97	1893	2018-11-24	2018-11-24	LITCretOUTSAt85<-ln(LITCaprx[97:1893]/lead(LITCaprx[97:1893], 1))[1:1796]	datLITCretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(LITCretOUTSAt85))	LITCESHIt85<-ES(datLITCretOUTSAt85$rev.LITCretOUTSAt85, p=0.975, method="historical")
LITC	86	96	1892	2018-11-25	2018-11-25	LITCretOUTSAt86<-ln(LITCaprx[96:1892]/lead(LITCaprx[96:1892], 1))[1:1796]	datLITCretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(LITCretOUTSAt86))	LITCESHIt86<-ES(datLITCretOUTSAt86$rev.LITCretOUTSAt86, p=0.975, method="historical")
LITC	87	95	1891	2018-11-26	2018-11-26	LITCretOUTSAt87<-ln(LITCaprx[95:1891]/lead(LITCaprx[95:1891], 1))[1:1796]	datLITCretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(LITCretOUTSAt87))	LITCESHIt87<-ES(datLITCretOUTSAt87$rev.LITCretOUTSAt87, p=0.975, method="historical")
LITC	88	94	1890	2018-11-27	2018-11-27	LITCretOUTSAt88<-ln(LITCaprx[94:1890]/lead(LITCaprx[94:1890], 1))[1:1796]	datLITCretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(LITCretOUTSAt88))	LITCESHIt88<-ES(datLITCretOUTSAt88$rev.LITCretOUTSAt88, p=0.975, method="historical")
LITC	89	93	1889	2018-11-28	2018-11-28	LITCretOUTSAt89<-ln(LITCaprx[93:1889]/lead(LITCaprx[93:1889], 1))[1:1796]	datLITCretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(LITCretOUTSAt89))	LITCESHIt89<-ES(datLITCretOUTSAt89$rev.LITCretOUTSAt89, p=0.975, method="historical")
LITC	90	92	1888	2018-11-29	2018-11-29	LITCretOUTSAt90<-ln(LITCaprx[92:1888]/lead(LITCaprx[92:1888], 1))[1:1796]	datLITCretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(LITCretOUTSAt90))	LITCESHIt90<-ES(datLITCretOUTSAt90$rev.LITCretOUTSAt90, p=0.975, method="historical")
LITC	91	91	1887	2018-11-30	2018-11-30	LITCretOUTSAt91<-ln(LITCaprx[91:1887]/lead(LITCaprx[91:1887], 1))[1:1796]	datLITCretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(LITCretOUTSAt91))	LITCESHIt91<-ES(datLITCretOUTSAt91$rev.LITCretOUTSAt91, p=0.975, method="historical")
LITC	92	90	1886	2018-12-01	2018-12-01	LITCretOUTSAt92<-ln(LITCaprx[90:1886]/lead(LITCaprx[90:1886], 1))[1:1796]	datLITCretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(LITCretOUTSAt92))	LITCESHIt92<-ES(datLITCretOUTSAt92$rev.LITCretOUTSAt92, p=0.975, method="historical")
LITC	93	89	1885	2018-12-02	2018-12-02	LITCretOUTSAt93<-ln(LITCaprx[89:1885]/lead(LITCaprx[89:1885], 1))[1:1796]	datLITCretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(LITCretOUTSAt93))	LITCESHIt93<-ES(datLITCretOUTSAt93$rev.LITCretOUTSAt93, p=0.975, method="historical")
LITC	94	88	1884	2018-12-03	2018-12-03	LITCretOUTSAt94<-ln(LITCaprx[88:1884]/lead(LITCaprx[88:1884], 1))[1:1796]	datLITCretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(LITCretOUTSAt94))	LITCESHIt94<-ES(datLITCretOUTSAt94$rev.LITCretOUTSAt94, p=0.975, method="historical")
LITC	95	87	1883	2018-12-04	2018-12-04	LITCretOUTSAt95<-ln(LITCaprx[87:1883]/lead(LITCaprx[87:1883], 1))[1:1796]	datLITCretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(LITCretOUTSAt95))	LITCESHIt95<-ES(datLITCretOUTSAt95$rev.LITCretOUTSAt95, p=0.975, method="historical")
LITC	96	86	1882	2018-12-05	2018-12-05	LITCretOUTSAt96<-ln(LITCaprx[86:1882]/lead(LITCaprx[86:1882], 1))[1:1796]	datLITCretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(LITCretOUTSAt96))	LITCESHIt96<-ES(datLITCretOUTSAt96$rev.LITCretOUTSAt96, p=0.975, method="historical")
LITC	97	85	1881	2018-12-06	2018-12-06	LITCretOUTSAt97<-ln(LITCaprx[85:1881]/lead(LITCaprx[85:1881], 1))[1:1796]	datLITCretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(LITCretOUTSAt97))	LITCESHIt97<-ES(datLITCretOUTSAt97$rev.LITCretOUTSAt97, p=0.975, method="historical")
LITC	98	84	1880	2018-12-07	2018-12-07	LITCretOUTSAt98<-ln(LITCaprx[84:1880]/lead(LITCaprx[84:1880], 1))[1:1796]	datLITCretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(LITCretOUTSAt98))	LITCESHIt98<-ES(datLITCretOUTSAt98$rev.LITCretOUTSAt98, p=0.975, method="historical")
LITC	99	83	1879	2018-12-08	2018-12-08	LITCretOUTSAt99<-ln(LITCaprx[83:1879]/lead(LITCaprx[83:1879], 1))[1:1796]	datLITCretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(LITCretOUTSAt99))	LITCESHIt99<-ES(datLITCretOUTSAt99$rev.LITCretOUTSAt99, p=0.975, method="historical")
LITC	100	82	1878	2018-12-09	2018-12-09	LITCretOUTSAt100<-ln(LITCaprx[82:1878]/lead(LITCaprx[82:1878], 1))[1:1796]	datLITCretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(LITCretOUTSAt100))	LITCESHIt100<-ES(datLITCretOUTSAt100$rev.LITCretOUTSAt100, p=0.975, method="historical")
LITC	101	81	1877	2018-12-10	2018-12-10	LITCretOUTSAt101<-ln(LITCaprx[81:1877]/lead(LITCaprx[81:1877], 1))[1:1796]	datLITCretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(LITCretOUTSAt101))	LITCESHIt101<-ES(datLITCretOUTSAt101$rev.LITCretOUTSAt101, p=0.975, method="historical")
LITC	102	80	1876	2018-12-11	2018-12-11	LITCretOUTSAt102<-ln(LITCaprx[80:1876]/lead(LITCaprx[80:1876], 1))[1:1796]	datLITCretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(LITCretOUTSAt102))	LITCESHIt102<-ES(datLITCretOUTSAt102$rev.LITCretOUTSAt102, p=0.975, method="historical")
LITC	103	79	1875	2018-12-12	2018-12-12	LITCretOUTSAt103<-ln(LITCaprx[79:1875]/lead(LITCaprx[79:1875], 1))[1:1796]	datLITCretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(LITCretOUTSAt103))	LITCESHIt103<-ES(datLITCretOUTSAt103$rev.LITCretOUTSAt103, p=0.975, method="historical")
LITC	104	78	1874	2018-12-13	2018-12-13	LITCretOUTSAt104<-ln(LITCaprx[78:1874]/lead(LITCaprx[78:1874], 1))[1:1796]	datLITCretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(LITCretOUTSAt104))	LITCESHIt104<-ES(datLITCretOUTSAt104$rev.LITCretOUTSAt104, p=0.975, method="historical")
LITC	105	77	1873	2018-12-14	2018-12-14	LITCretOUTSAt105<-ln(LITCaprx[77:1873]/lead(LITCaprx[77:1873], 1))[1:1796]	datLITCretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(LITCretOUTSAt105))	LITCESHIt105<-ES(datLITCretOUTSAt105$rev.LITCretOUTSAt105, p=0.975, method="historical")
LITC	106	76	1872	2018-12-15	2018-12-15	LITCretOUTSAt106<-ln(LITCaprx[76:1872]/lead(LITCaprx[76:1872], 1))[1:1796]	datLITCretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(LITCretOUTSAt106))	LITCESHIt106<-ES(datLITCretOUTSAt106$rev.LITCretOUTSAt106, p=0.975, method="historical")
LITC	107	75	1871	2018-12-16	2018-12-16	LITCretOUTSAt107<-ln(LITCaprx[75:1871]/lead(LITCaprx[75:1871], 1))[1:1796]	datLITCretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(LITCretOUTSAt107))	LITCESHIt107<-ES(datLITCretOUTSAt107$rev.LITCretOUTSAt107, p=0.975, method="historical")
LITC	108	74	1870	2018-12-17	2018-12-17	LITCretOUTSAt108<-ln(LITCaprx[74:1870]/lead(LITCaprx[74:1870], 1))[1:1796]	datLITCretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(LITCretOUTSAt108))	LITCESHIt108<-ES(datLITCretOUTSAt108$rev.LITCretOUTSAt108, p=0.975, method="historical")
LITC	109	73	1869	2018-12-18	2018-12-18	LITCretOUTSAt109<-ln(LITCaprx[73:1869]/lead(LITCaprx[73:1869], 1))[1:1796]	datLITCretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(LITCretOUTSAt109))	LITCESHIt109<-ES(datLITCretOUTSAt109$rev.LITCretOUTSAt109, p=0.975, method="historical")
LITC	110	72	1868	2018-12-19	2018-12-19	LITCretOUTSAt110<-ln(LITCaprx[72:1868]/lead(LITCaprx[72:1868], 1))[1:1796]	datLITCretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(LITCretOUTSAt110))	LITCESHIt110<-ES(datLITCretOUTSAt110$rev.LITCretOUTSAt110, p=0.975, method="historical")
LITC	111	71	1867	2018-12-20	2018-12-20	LITCretOUTSAt111<-ln(LITCaprx[71:1867]/lead(LITCaprx[71:1867], 1))[1:1796]	datLITCretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(LITCretOUTSAt111))	LITCESHIt111<-ES(datLITCretOUTSAt111$rev.LITCretOUTSAt111, p=0.975, method="historical")
LITC	112	70	1866	2018-12-21	2018-12-21	LITCretOUTSAt112<-ln(LITCaprx[70:1866]/lead(LITCaprx[70:1866], 1))[1:1796]	datLITCretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(LITCretOUTSAt112))	LITCESHIt112<-ES(datLITCretOUTSAt112$rev.LITCretOUTSAt112, p=0.975, method="historical")
LITC	113	69	1865	2018-12-22	2018-12-22	LITCretOUTSAt113<-ln(LITCaprx[69:1865]/lead(LITCaprx[69:1865], 1))[1:1796]	datLITCretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(LITCretOUTSAt113))	LITCESHIt113<-ES(datLITCretOUTSAt113$rev.LITCretOUTSAt113, p=0.975, method="historical")
LITC	114	68	1864	2018-12-23	2018-12-23	LITCretOUTSAt114<-ln(LITCaprx[68:1864]/lead(LITCaprx[68:1864], 1))[1:1796]	datLITCretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(LITCretOUTSAt114))	LITCESHIt114<-ES(datLITCretOUTSAt114$rev.LITCretOUTSAt114, p=0.975, method="historical")
LITC	115	67	1863	2018-12-24	2018-12-24	LITCretOUTSAt115<-ln(LITCaprx[67:1863]/lead(LITCaprx[67:1863], 1))[1:1796]	datLITCretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(LITCretOUTSAt115))	LITCESHIt115<-ES(datLITCretOUTSAt115$rev.LITCretOUTSAt115, p=0.975, method="historical")
LITC	116	66	1862	2018-12-25	2018-12-25	LITCretOUTSAt116<-ln(LITCaprx[66:1862]/lead(LITCaprx[66:1862], 1))[1:1796]	datLITCretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(LITCretOUTSAt116))	LITCESHIt116<-ES(datLITCretOUTSAt116$rev.LITCretOUTSAt116, p=0.975, method="historical")
LITC	117	65	1861	2018-12-26	2018-12-26	LITCretOUTSAt117<-ln(LITCaprx[65:1861]/lead(LITCaprx[65:1861], 1))[1:1796]	datLITCretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(LITCretOUTSAt117))	LITCESHIt117<-ES(datLITCretOUTSAt117$rev.LITCretOUTSAt117, p=0.975, method="historical")
LITC	118	64	1860	2018-12-27	2018-12-27	LITCretOUTSAt118<-ln(LITCaprx[64:1860]/lead(LITCaprx[64:1860], 1))[1:1796]	datLITCretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(LITCretOUTSAt118))	LITCESHIt118<-ES(datLITCretOUTSAt118$rev.LITCretOUTSAt118, p=0.975, method="historical")
LITC	119	63	1859	2018-12-28	2018-12-28	LITCretOUTSAt119<-ln(LITCaprx[63:1859]/lead(LITCaprx[63:1859], 1))[1:1796]	datLITCretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(LITCretOUTSAt119))	LITCESHIt119<-ES(datLITCretOUTSAt119$rev.LITCretOUTSAt119, p=0.975, method="historical")
LITC	120	62	1858	2018-12-29	2018-12-29	LITCretOUTSAt120<-ln(LITCaprx[62:1858]/lead(LITCaprx[62:1858], 1))[1:1796]	datLITCretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(LITCretOUTSAt120))	LITCESHIt120<-ES(datLITCretOUTSAt120$rev.LITCretOUTSAt120, p=0.975, method="historical")
LITC	121	61	1857	2018-12-30	2018-12-30	LITCretOUTSAt121<-ln(LITCaprx[61:1857]/lead(LITCaprx[61:1857], 1))[1:1796]	datLITCretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(LITCretOUTSAt121))	LITCESHIt121<-ES(datLITCretOUTSAt121$rev.LITCretOUTSAt121, p=0.975, method="historical")
LITC	122	60	1856	2018-12-31	2018-12-31	LITCretOUTSAt122<-ln(LITCaprx[60:1856]/lead(LITCaprx[60:1856], 1))[1:1796]	datLITCretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(LITCretOUTSAt122))	LITCESHIt122<-ES(datLITCretOUTSAt122$rev.LITCretOUTSAt122, p=0.975, method="historical")
LITC	123	59	1855	2019-01-01	2019-01-01	LITCretOUTSAt123<-ln(LITCaprx[59:1855]/lead(LITCaprx[59:1855], 1))[1:1796]	datLITCretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(LITCretOUTSAt123))	LITCESHIt123<-ES(datLITCretOUTSAt123$rev.LITCretOUTSAt123, p=0.975, method="historical")
LITC	124	58	1854	2019-01-02	2019-01-02	LITCretOUTSAt124<-ln(LITCaprx[58:1854]/lead(LITCaprx[58:1854], 1))[1:1796]	datLITCretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(LITCretOUTSAt124))	LITCESHIt124<-ES(datLITCretOUTSAt124$rev.LITCretOUTSAt124, p=0.975, method="historical")
LITC	125	57	1853	2019-01-03	2019-01-03	LITCretOUTSAt125<-ln(LITCaprx[57:1853]/lead(LITCaprx[57:1853], 1))[1:1796]	datLITCretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(LITCretOUTSAt125))	LITCESHIt125<-ES(datLITCretOUTSAt125$rev.LITCretOUTSAt125, p=0.975, method="historical")
LITC	126	56	1852	2019-01-04	2019-01-04	LITCretOUTSAt126<-ln(LITCaprx[56:1852]/lead(LITCaprx[56:1852], 1))[1:1796]	datLITCretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(LITCretOUTSAt126))	LITCESHIt126<-ES(datLITCretOUTSAt126$rev.LITCretOUTSAt126, p=0.975, method="historical")
LITC	127	55	1851	2019-01-05	2019-01-05	LITCretOUTSAt127<-ln(LITCaprx[55:1851]/lead(LITCaprx[55:1851], 1))[1:1796]	datLITCretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(LITCretOUTSAt127))	LITCESHIt127<-ES(datLITCretOUTSAt127$rev.LITCretOUTSAt127, p=0.975, method="historical")
LITC	128	54	1850	2019-01-06	2019-01-06	LITCretOUTSAt128<-ln(LITCaprx[54:1850]/lead(LITCaprx[54:1850], 1))[1:1796]	datLITCretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(LITCretOUTSAt128))	LITCESHIt128<-ES(datLITCretOUTSAt128$rev.LITCretOUTSAt128, p=0.975, method="historical")
LITC	129	53	1849	2019-01-07	2019-01-07	LITCretOUTSAt129<-ln(LITCaprx[53:1849]/lead(LITCaprx[53:1849], 1))[1:1796]	datLITCretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(LITCretOUTSAt129))	LITCESHIt129<-ES(datLITCretOUTSAt129$rev.LITCretOUTSAt129, p=0.975, method="historical")
LITC	130	52	1848	2019-01-08	2019-01-08	LITCretOUTSAt130<-ln(LITCaprx[52:1848]/lead(LITCaprx[52:1848], 1))[1:1796]	datLITCretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(LITCretOUTSAt130))	LITCESHIt130<-ES(datLITCretOUTSAt130$rev.LITCretOUTSAt130, p=0.975, method="historical")
LITC	131	51	1847	2019-01-09	2019-01-09	LITCretOUTSAt131<-ln(LITCaprx[51:1847]/lead(LITCaprx[51:1847], 1))[1:1796]	datLITCretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(LITCretOUTSAt131))	LITCESHIt131<-ES(datLITCretOUTSAt131$rev.LITCretOUTSAt131, p=0.975, method="historical")
LITC	132	50	1846	2019-01-10	2019-01-10	LITCretOUTSAt132<-ln(LITCaprx[50:1846]/lead(LITCaprx[50:1846], 1))[1:1796]	datLITCretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(LITCretOUTSAt132))	LITCESHIt132<-ES(datLITCretOUTSAt132$rev.LITCretOUTSAt132, p=0.975, method="historical")
LITC	133	49	1845	2019-01-11	2019-01-11	LITCretOUTSAt133<-ln(LITCaprx[49:1845]/lead(LITCaprx[49:1845], 1))[1:1796]	datLITCretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(LITCretOUTSAt133))	LITCESHIt133<-ES(datLITCretOUTSAt133$rev.LITCretOUTSAt133, p=0.975, method="historical")
LITC	134	48	1844	2019-01-12	2019-01-12	LITCretOUTSAt134<-ln(LITCaprx[48:1844]/lead(LITCaprx[48:1844], 1))[1:1796]	datLITCretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(LITCretOUTSAt134))	LITCESHIt134<-ES(datLITCretOUTSAt134$rev.LITCretOUTSAt134, p=0.975, method="historical")
LITC	135	47	1843	2019-01-13	2019-01-13	LITCretOUTSAt135<-ln(LITCaprx[47:1843]/lead(LITCaprx[47:1843], 1))[1:1796]	datLITCretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(LITCretOUTSAt135))	LITCESHIt135<-ES(datLITCretOUTSAt135$rev.LITCretOUTSAt135, p=0.975, method="historical")
LITC	136	46	1842	2019-01-14	2019-01-14	LITCretOUTSAt136<-ln(LITCaprx[46:1842]/lead(LITCaprx[46:1842], 1))[1:1796]	datLITCretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(LITCretOUTSAt136))	LITCESHIt136<-ES(datLITCretOUTSAt136$rev.LITCretOUTSAt136, p=0.975, method="historical")
LITC	137	45	1841	2019-01-15	2019-01-15	LITCretOUTSAt137<-ln(LITCaprx[45:1841]/lead(LITCaprx[45:1841], 1))[1:1796]	datLITCretOUTSAt137<- data.frame(Date = se

GREX	10	172	1968	2018-09-10	2018-09-10	GREXretOUTSAt10<-ln(GREXaprx[172:1968]/lead(GREXaprx[172:1968], 1))[1:1796]	datGREXretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(GREXretOUTSAt10)	GREXESHIt10<-ES(datGREXretOUTSAt10$rev.GREXretOUTSAt10, p=0.975, method="historical")
GREX	11	171	1967	2018-09-11	2018-09-11	GREXretOUTSAt11<-ln(GREXaprx[171:1967]/lead(GREXaprx[171:1967], 1))[1:1796]	datGREXretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(GREXretOUTSAt11)	GREXESHIt11<-ES(datGREXretOUTSAt11$rev.GREXretOUTSAt11, p=0.975, method="historical")
GREX	12	170	1966	2018-09-12	2018-09-12	GREXretOUTSAt12<-ln(GREXaprx[170:1966]/lead(GREXaprx[170:1966], 1))[1:1796]	datGREXretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(GREXretOUTSAt12)	GREXESHIt12<-ES(datGREXretOUTSAt12$rev.GREXretOUTSAt12, p=0.975, method="historical")
GREX	13	169	1965	2018-09-13	2018-09-13	GREXretOUTSAt13<-ln(GREXaprx[169:1965]/lead(GREXaprx[169:1965], 1))[1:1796]	datGREXretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(GREXretOUTSAt13)	GREXESHIt13<-ES(datGREXretOUTSAt13$rev.GREXretOUTSAt13, p=0.975, method="historical")
GREX	14	168	1964	2018-09-14	2018-09-14	GREXretOUTSAt14<-ln(GREXaprx[168:1964]/lead(GREXaprx[168:1964], 1))[1:1796]	datGREXretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(GREXretOUTSAt14)	GREXESHIt14<-ES(datGREXretOUTSAt14$rev.GREXretOUTSAt14, p=0.975, method="historical")
GREX	15	167	1963	2018-09-15	2018-09-15	GREXretOUTSAt15<-ln(GREXaprx[167:1963]/lead(GREXaprx[167:1963], 1))[1:1796]	datGREXretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(GREXretOUTSAt15)	GREXESHIt15<-ES(datGREXretOUTSAt15$rev.GREXretOUTSAt15, p=0.975, method="historical")
GREX	16	166	1962	2018-09-16	2018-09-16	GREXretOUTSAt16<-ln(GREXaprx[166:1962]/lead(GREXaprx[166:1962], 1))[1:1796]	datGREXretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(GREXretOUTSAt16)	GREXESHIt16<-ES(datGREXretOUTSAt16$rev.GREXretOUTSAt16, p=0.975, method="historical")
GREX	17	165	1961	2018-09-17	2018-09-17	GREXretOUTSAt17<-ln(GREXaprx[165:1961]/lead(GREXaprx[165:1961], 1))[1:1796]	datGREXretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(GREXretOUTSAt17)	GREXESHIt17<-ES(datGREXretOUTSAt17$rev.GREXretOUTSAt17, p=0.975, method="historical")
GREX	18	164	1960	2018-09-18	2018-09-18	GREXretOUTSAt18<-ln(GREXaprx[164:1960]/lead(GREXaprx[164:1960], 1))[1:1796]	datGREXretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(GREXretOUTSAt18)	GREXESHIt18<-ES(datGREXretOUTSAt18$rev.GREXretOUTSAt18, p=0.975, method="historical")
GREX	19	163	1959	2018-09-19	2018-09-19	GREXretOUTSAt19<-ln(GREXaprx[163:1959]/lead(GREXaprx[163:1959], 1))[1:1796]	datGREXretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(GREXretOUTSAt19)	GREXESHIt19<-ES(datGREXretOUTSAt19$rev.GREXretOUTSAt19, p=0.975, method="historical")
GREX	20	162	1958	2018-09-20	2018-09-20	GREXretOUTSAt20<-ln(GREXaprx[162:1958]/lead(GREXaprx[162:1958], 1))[1:1796]	datGREXretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(GREXretOUTSAt20)	GREXESHIt20<-ES(datGREXretOUTSAt20$rev.GREXretOUTSAt20, p=0.975, method="historical")
GREX	21	161	1957	2018-09-21	2018-09-21	GREXretOUTSAt21<-ln(GREXaprx[161:1957]/lead(GREXaprx[161:1957], 1))[1:1796]	datGREXretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(GREXretOUTSAt21)	GREXESHIt21<-ES(datGREXretOUTSAt21$rev.GREXretOUTSAt21, p=0.975, method="historical")
GREX	22	160	1956	2018-09-22	2018-09-22	GREXretOUTSAt22<-ln(GREXaprx[160:1956]/lead(GREXaprx[160:1956], 1))[1:1796]	datGREXretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(GREXretOUTSAt22)	GREXESHIt22<-ES(datGREXretOUTSAt22$rev.GREXretOUTSAt22, p=0.975, method="historical")
GREX	23	159	1955	2018-09-23	2018-09-23	GREXretOUTSAt23<-ln(GREXaprx[159:1955]/lead(GREXaprx[159:1955], 1))[1:1796]	datGREXretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(GREXretOUTSAt23)	GREXESHIt23<-ES(datGREXretOUTSAt23$rev.GREXretOUTSAt23, p=0.975, method="historical")
GREX	24	158	1954	2018-09-24	2018-09-24	GREXretOUTSAt24<-ln(GREXaprx[158:1954]/lead(GREXaprx[158:1954], 1))[1:1796]	datGREXretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(GREXretOUTSAt24)	GREXESHIt24<-ES(datGREXretOUTSAt24$rev.GREXretOUTSAt24, p=0.975, method="historical")
GREX	25	157	1953	2018-09-25	2018-09-25	GREXretOUTSAt25<-ln(GREXaprx[157:1953]/lead(GREXaprx[157:1953], 1))[1:1796]	datGREXretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(GREXretOUTSAt25)	GREXESHIt25<-ES(datGREXretOUTSAt25$rev.GREXretOUTSAt25, p=0.975, method="historical")
GREX	26	156	1952	2018-09-26	2018-09-26	GREXretOUTSAt26<-ln(GREXaprx[156:1952]/lead(GREXaprx[156:1952], 1))[1:1796]	datGREXretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(GREXretOUTSAt26)	GREXESHIt26<-ES(datGREXretOUTSAt26$rev.GREXretOUTSAt26, p=0.975, method="historical")
GREX	27	155	1951	2018-09-27	2018-09-27	GREXretOUTSAt27<-ln(GREXaprx[155:1951]/lead(GREXaprx[155:1951], 1))[1:1796]	datGREXretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(GREXretOUTSAt27)	GREXESHIt27<-ES(datGREXretOUTSAt27$rev.GREXretOUTSAt27, p=0.975, method="historical")
GREX	28	154	1950	2018-09-28	2018-09-28	GREXretOUTSAt28<-ln(GREXaprx[154:1950]/lead(GREXaprx[154:1950], 1))[1:1796]	datGREXretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(GREXretOUTSAt28)	GREXESHIt28<-ES(datGREXretOUTSAt28$rev.GREXretOUTSAt28, p=0.975, method="historical")
GREX	29	153	1949	2018-09-29	2018-09-29	GREXretOUTSAt29<-ln(GREXaprx[153:1949]/lead(GREXaprx[153:1949], 1))[1:1796]	datGREXretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(GREXretOUTSAt29)	GREXESHIt29<-ES(datGREXretOUTSAt29$rev.GREXretOUTSAt29, p=0.975, method="historical")
GREX	30	152	1948	2018-09-30	2018-09-30	GREXretOUTSAt30<-ln(GREXaprx[152:1948]/lead(GREXaprx[152:1948], 1))[1:1796]	datGREXretOUTSAt30<- data.frame(Date = seq(as.Date("2018-09-30"), as.Date("2018-09-30") , by = 1), rev(GREXretOUTSAt30)	GREXESHIt30<-ES(datGREXretOUTSAt30$rev.GREXretOUTSAt30, p=0.975, method="historical")
GREX	31	151	1947	2018-10-01	2018-10-01	GREXretOUTSAt31<-ln(GREXaprx[151:1947]/lead(GREXaprx[151:1947], 1))[1:1796]	datGREXretOUTSAt31<- data.frame(Date = seq(as.Date("2018-10-01"), as.Date("2018-10-01") , by = 1), rev(GREXretOUTSAt31)	GREXESHIt31<-ES(datGREXretOUTSAt31$rev.GREXretOUTSAt31, p=0.975, method="historical")
GREX	32	150	1946	2018-10-02	2018-10-02	GREXretOUTSAt32<-ln(GREXaprx[150:1946]/lead(GREXaprx[150:1946], 1))[1:1796]	datGREXretOUTSAt32<- data.frame(Date = seq(as.Date("2018-10-02"), as.Date("2018-10-02") , by = 1), rev(GREXretOUTSAt32)	GREXESHIt32<-ES(datGREXretOUTSAt32$rev.GREXretOUTSAt32, p=0.975, method="historical")
GREX	33	149	1945	2018-10-03	2018-10-03	GREXretOUTSAt33<-ln(GREXaprx[149:1945]/lead(GREXaprx[149:1945], 1))[1:1796]	datGREXretOUTSAt33<- data.frame(Date = seq(as.Date("2018-10-03"), as.Date("2018-10-03") , by = 1), rev(GREXretOUTSAt33)	GREXESHIt33<-ES(datGREXretOUTSAt33$rev.GREXretOUTSAt33, p=0.975, method="historical")
GREX	34	148	1944	2018-10-04	2018-10-04	GREXretOUTSAt34<-ln(GREXaprx[148:1944]/lead(GREXaprx[148:1944], 1))[1:1796]	datGREXretOUTSAt34<- data.frame(Date = seq(as.Date("2018-10-04"), as.Date("2018-10-04") , by = 1), rev(GREXretOUTSAt34)	GREXESHIt34<-ES(datGREXretOUTSAt34$rev.GREXretOUTSAt34, p=0.975, method="historical")
GREX	35	147	1943	2018-10-05	2018-10-05	GREXretOUTSAt35<-ln(GREXaprx[147:1943]/lead(GREXaprx[147:1943], 1))[1:1796]	datGREXretOUTSAt35<- data.frame(Date = seq(as.Date("2018-10-05"), as.Date("2018-10-05") , by = 1), rev(GREXretOUTSAt35)	GREXESHIt35<-ES(datGREXretOUTSAt35$rev.GREXretOUTSAt35, p=0.975, method="historical")
GREX	36	146	1942	2018-10-06	2018-10-06	GREXretOUTSAt36<-ln(GREXaprx[146:1942]/lead(GREXaprx[146:1942], 1))[1:1796]	datGREXretOUTSAt36<- data.frame(Date = seq(as.Date("2018-10-06"), as.Date("2018-10-06") , by = 1), rev(GREXretOUTSAt36)	GREXESHIt36<-ES(datGREXretOUTSAt36$rev.GREXretOUTSAt36, p=0.975, method="historical")
GREX	37	145	1941	2018-10-07	2018-10-07	GREXretOUTSAt37<-ln(GREXaprx[145:1941]/lead(GREXaprx[145:1941], 1))[1:1796]	datGREXretOUTSAt37<- data.frame(Date = seq(as.Date("2018-10-07"), as.Date("2018-10-07") , by = 1), rev(GREXretOUTSAt37)	GREXESHIt37<-ES(datGREXretOUTSAt37$rev.GREXretOUTSAt37, p=0.975, method="historical")
GREX	38	144	1940	2018-10-08	2018-10-08	GREXretOUTSAt38<-ln(GREXaprx[144:1940]/lead(GREXaprx[144:1940], 1))[1:1796]	datGREXretOUTSAt38<- data.frame(Date = seq(as.Date("2018-10-08"), as.Date("2018-10-08") , by = 1), rev(GREXretOUTSAt38)	GREXESHIt38<-ES(datGREXretOUTSAt38$rev.GREXretOUTSAt38, p=0.975, method="historical")
GREX	39	143	1939	2018-10-09	2018-10-09	GREXretOUTSAt39<-ln(GREXaprx[143:1939]/lead(GREXaprx[143:1939], 1))[1:1796]	datGREXretOUTSAt39<- data.frame(Date = seq(as.Date("2018-10-09"), as.Date("2018-10-09") , by = 1), rev(GREXretOUTSAt39)	GREXESHIt39<-ES(datGREXretOUTSAt39$rev.GREXretOUTSAt39, p=0.975, method="historical")
GREX	40	142	1938	2018-10-10	2018-10-10	GREXretOUTSAt40<-ln(GREXaprx[142:1938]/lead(GREXaprx[142:1938], 1))[1:1796]	datGREXretOUTSAt40<- data.frame(Date = seq(as.Date("2018-10-10"), as.Date("2018-10-10") , by = 1), rev(GREXretOUTSAt40)	GREXESHIt40<-ES(datGREXretOUTSAt40$rev.GREXretOUTSAt40, p=0.975, method="historical")
GREX	41	141	1937	2018-10-11	2018-10-11	GREXretOUTSAt41<-ln(GREXaprx[141:1937]/lead(GREXaprx[141:1937], 1))[1:1796]	datGREXretOUTSAt41<- data.frame(Date = seq(as.Date("2018-10-11"), as.Date("2018-10-11") , by = 1), rev(GREXretOUTSAt41)	GREXESHIt41<-ES(datGREXretOUTSAt41$rev.GREXretOUTSAt41, p=0.975, method="historical")
GREX	42	140	1936	2018-10-12	2018-10-12	GREXretOUTSAt42<-ln(GREXaprx[140:1936]/lead(GREXaprx[140:1936], 1))[1:1796]	datGREXretOUTSAt42<- data.frame(Date = seq(as.Date("2018-10-12"), as.Date("2018-10-12") , by = 1), rev(GREXretOUTSAt42)	GREXESHIt42<-ES(datGREXretOUTSAt42$rev.GREXretOUTSAt42, p=0.975, method="historical")
GREX	43	139	1935	2018-10-13	2018-10-13	GREXretOUTSAt43<-ln(GREXaprx[139:1935]/lead(GREXaprx[139:1935], 1))[1:1796]	datGREXretOUTSAt43<- data.frame(Date = seq(as.Date("2018-10-13"), as.Date("2018-10-13") , by = 1), rev(GREXretOUTSAt43)	GREXESHIt43<-ES(datGREXretOUTSAt43$rev.GREXretOUTSAt43, p=0.975, method="historical")
GREX	44	138	1934	2018-10-14	2018-10-14	GREXretOUTSAt44<-ln(GREXaprx[138:1934]/lead(GREXaprx[138:1934], 1))[1:1796]	datGREXretOUTSAt44<- data.frame(Date = seq(as.Date("2018-10-14"), as.Date("2018-10-14") , by = 1), rev(GREXretOUTSAt44)	GREXESHIt44<-ES(datGREXretOUTSAt44$rev.GREXretOUTSAt44, p=0.975, method="historical")
GREX	45	137	1933	2018-10-15	2018-10-15	GREXretOUTSAt45<-ln(GREXaprx[137:1933]/lead(GREXaprx[137:1933], 1))[1:1796]	datGREXretOUTSAt45<- data.frame(Date = seq(as.Date("2018-10-15"), as.Date("2018-10-15") , by = 1), rev(GREXretOUTSAt45)	GREXESHIt45<-ES(datGREXretOUTSAt45$rev.GREXretOUTSAt45, p=0.975, method="historical")
GREX	46	136	1932	2018-10-16	2018-10-16	GREXretOUTSAt46<-ln(GREXaprx[136:1932]/lead(GREXaprx[136:1932], 1))[1:1796]	datGREXretOUTSAt46<- data.frame(Date = seq(as.Date("2018-10-16"), as.Date("2018-10-16") , by = 1), rev(GREXretOUTSAt46)	GREXESHIt46<-ES(datGREXretOUTSAt46$rev.GREXretOUTSAt46, p=0.975, method="historical")
GREX	47	135	1931	2018-10-17	2018-10-17	GREXretOUTSAt47<-ln(GREXaprx[135:1931]/lead(GREXaprx[135:1931], 1))[1:1796]	datGREXretOUTSAt47<- data.frame(Date = seq(as.Date("2018-10-17"), as.Date("2018-10-17") , by = 1), rev(GREXretOUTSAt47)	GREXESHIt47<-ES(datGREXretOUTSAt47$rev.GREXretOUTSAt47, p=0.975, method="historical")
GREX	48	134	1930	2018-10-18	2018-10-18	GREXretOUTSAt48<-ln(GREXaprx[134:1930]/lead(GREXaprx[134:1930], 1))[1:1796]	datGREXretOUTSAt48<- data.frame(Date = seq(as.Date("2018-10-18"), as.Date("2018-10-18") , by = 1), rev(GREXretOUTSAt48)	GREXESHIt48<-ES(datGREXretOUTSAt48$rev.GREXretOUTSAt48, p=0.975, method="historical")
GREX	49	133	1929	2018-10-19	2018-10-19	GREXretOUTSAt49<-ln(GREXaprx[133:1929]/lead(GREXaprx[133:1929], 1))[1:1796]	datGREXretOUTSAt49<- data.frame(Date = seq(as.Date("2018-10-19"), as.Date("2018-10-19") , by = 1), rev(GREXretOUTSAt49)	GREXESHIt49<-ES(datGREXretOUTSAt49$rev.GREXretOUTSAt49, p=0.975, method="historical")
GREX	50	132	1928	2018-10-20	2018-10-20	GREXretOUTSAt50<-ln(GREXaprx[132:1928]/lead(GREXaprx[132:1928], 1))[1:1796]	datGREXretOUTSAt50<- data.frame(Date = seq(as.Date("2018-10-20"), as.Date("2018-10-20") , by = 1), rev(GREXretOUTSAt50)	GREXESHIt50<-ES(datGREXretOUTSAt50$rev.GREXretOUTSAt50, p=0.975, method="historical")
GREX	51	131	1927	2018-10-21	2018-10-21	GREXretOUTSAt51<-ln(GREXaprx[131:1927]/lead(GREXaprx[131:1927], 1))[1:1796]	datGREXretOUTSAt51<- data.frame(Date = seq(as.Date("2018-10-21"), as.Date("2018-10-21") , by = 1), rev(GREXretOUTSAt51)	GREXESHIt51<-ES(datGREXretOUTSAt51$rev.GREXretOUTSAt51, p=0.975, method="historical")
GREX	52	130	1926	2018-10-22	2018-10-22	GREXretOUTSAt52<-ln(GREXaprx[130:1926]/lead(GREXaprx[130:1926], 1))[1:1796]	datGREXretOUTSAt52<- data.frame(Date = seq(as.Date("2018-10-22"), as.Date("2018-10-22") , by = 1), rev(GREXretOUTSAt52)	GREXESHIt52<-ES(datGREXretOUTSAt52$rev.GREXretOUTSAt52, p=0.975, method="historical")
GREX	53	129	1925	2018-10-23	2018-10-23	GREXretOUTSAt53<-ln(GREXaprx[129:1925]/lead(GREXaprx[129:1925], 1))[1:1796]	datGREXretOUTSAt53<- data.frame(Date = seq(as.Date("2018-10-23"), as.Date("2018-10-23") , by = 1), rev(GREXretOUTSAt53)	GREXESHIt53<-ES(datGREXretOUTSAt53$rev.GREXretOUTSAt53, p=0.975, method="historical")
GREX	54	128	1924	2018-10-24	2018-10-24	GREXretOUTSAt54<-ln(GREXaprx[128:1924]/lead(GREXaprx[128:1924], 1))[1:1796]	datGREXretOUTSAt54<- data.frame(Date = seq(as.Date("2018-10-24"), as.Date("2018-10-24") , by = 1), rev(GREXretOUTSAt54)	GREXESHIt54<-ES(datGREXretOUTSAt54$rev.GREXretOUTSAt54, p=0.975, method="historical")
GREX	55	127	1923	2018-10-25	2018-10-25	GREXretOUTSAt55<-ln(GREXaprx[127:1923]/lead(GREXaprx[127:1923], 1))[1:1796]	datGREXretOUTSAt55<- data.frame(Date = seq(as.Date("2018-10-25"), as.Date("2018-10-25") , by = 1), rev(GREXretOUTSAt55)	GREXESHIt55<-ES(datGREXretOUTSAt55$rev.GREXretOUTSAt55, p=0.975, method="historical")
GREX	56	126	1922	2018-10-26	2018-10-26	GREXretOUTSAt56<-ln(GREXaprx[126:1922]/lead(GREXaprx[126:1922], 1))[1:1796]	datGREXretOUTSAt56<- data.frame(Date = seq(as.Date("2018-10-26"), as.Date("2018-10-26") , by = 1), rev(GREXretOUTSAt56)	GREXESHIt56<-ES(datGREXretOUTSAt56$rev.GREXretOUTSAt56, p=0.975, method="historical")
GREX	57	125	1921	2018-10-27	2018-10-27	GREXretOUTSAt57<-ln(GREXaprx[125:1921]/lead(GREXaprx[125:1921], 1))[1:1796]	datGREXretOUTSAt57<- data.frame(Date = seq(as.Date("2018-10-27"), as.Date("2018-10-27") , by = 1), rev(GREXretOUTSAt57)	GREXESHIt57<-ES(datGREXretOUTSAt57$rev.GREXretOUTSAt57, p=0.975, method="historical")
GREX	58	124	1920	2018-10-28	2018-10-28	GREXretOUTSAt58<-ln(GREXaprx[124:1920]/lead(GREXaprx[124:1920], 1))[1:1796]	datGREXretOUTSAt58<- data.frame(Date = seq(as.Date("2018-10-28"), as.Date("2018-10-28") , by = 1), rev(GREXretOUTSAt58)	GREXESHIt58<-ES(datGREXretOUTSAt58$rev.GREXretOUTSAt58, p=0.975, method="historical")
GREX	59	123	1919	2018-10-29	2018-10-29	GREXretOUTSAt59<-ln(GREXaprx[123:1919]/lead(GREXaprx[123:1919], 1))[1:1796]	datGREXretOUTSAt59<- data.frame(Date = seq(as.Date("2018-10-29"), as.Date("2018-10-29") , by = 1), rev(GREXretOUTSAt59)	GREXESHIt59<-ES(datGREXretOUTSAt59$rev.GREXretOUTSAt59, p=0.975, method="historical")
GREX	60	122	1918	2018-10-30	2018-10-30	GREXretOUTSAt60<-ln(GREXaprx[122:1918]/lead(GREXaprx[122:1918], 1))[1:1796]	datGREXretOUTSAt60<- data.frame(Date = seq(as.Date("2018-10-30"), as.Date("2018-10-30") , by = 1), rev(GREXretOUTSAt60)	GREXESHIt60<-ES(datGREXretOUTSAt60$rev.GREXretOUTSAt60, p=0.975, method="historical")
GREX	61	121	1917	2018-10-31	2018-10-31	GREXretOUTSAt61<-ln(GREXaprx[121:1917]/lead(GREXaprx[121:1917], 1))[1:1796]	datGREXretOUTSAt61<- data.frame(Date = seq(as.Date("2018-10-31"), as.Date("2018-10-31") , by = 1), rev(GREXretOUTSAt61)	GREXESHIt61<-ES(datGREXretOUTSAt61$rev.GREXretOUTSAt61, p=0.975, method="historical")
GREX	62	120	1916	2018-11-01	2018-11-01	GREXretOUTSAt62<-ln(GREXaprx[120:1916]/lead(GREXaprx[120:1916], 1))[1:1796]	datGREXretOUTSAt62<- data.frame(Date = seq(as.Date("2018-11-01"), as.Date("2018-11-01") , by = 1), rev(GREXretOUTSAt62)	GREXESHIt62<-ES(datGREXretOUTSAt62$rev.GREXretOUTSAt62, p=0.975, method="historical")
GREX	63	119	1915	2018-11-02	2018-11-02	GREXretOUTSAt63<-ln(GREXaprx[119:1915]/lead(GREXaprx[119:1915], 1))[1:1796]	datGREXretOUTSAt63<- data.frame(Date = seq(as.Date("2018-11-02"), as.Date("2018-11-02") , by = 1), rev(GREXretOUTSAt63)	GREXESHIt63<-ES(datGREXretOUTSAt63$rev.GREXretOUTSAt63, p=0.975, method="historical")
GREX	64	118	1914	2018-11-03	2018-11-03	GREXretOUTSAt64<-ln(GREXaprx[118:1914]/lead(GREXaprx[118:1914], 1))[1:1796]	datGREXretOUTSAt64<- data.frame(Date = seq(as.Date("2018-11-03"), as.Date("2018-11-03") , by = 1), rev(GREXretOUTSAt64)	GREXESHIt64<-ES(datGREXretOUTSAt64$rev.GREXretOUTSAt64, p=0.975, method="historical")
GREX	65	117	1913	2018-11-04	2018-11-04	GREXretOUTSAt65<-ln(GREXaprx[117:1913]/lead(GREXaprx[117:1913], 1))[1:1796]	datGREXretOUTSAt65<- data.frame(Date = seq(as.Date("2018-11-04"), as.Date("2018-11-04") , by = 1), rev(GREXretOUTSAt65)	GREXESHIt65<-ES(datGREXretOUTSAt65$rev.GREXretOUTSAt65, p=0.975, method="historical")
GREX	66	116	1912	2018-11-05	2018-11-05	GREXretOUTSAt66<-ln(GREXaprx[116:1912]/lead(GREXaprx[116:1912], 1))[1:1796]	datGREXretOUTSAt66<- data.frame(Date = seq(as.Date("2018-11-05"), as.Date("2018-11-05") , by = 1), rev(GREXretOUTSAt66)	GREXESHIt66<-ES(datGREXretOUTSAt66$rev.GREXretOUTSAt66, p=0.975, method="historical")
GREX	67	115	1911	2018-11-06	2018-11-06	GREXretOUTSAt67<-ln(GREXaprx[115:1911]/lead(GREXaprx[115:1911], 1))[1:1796]	datGREXretOUTSAt67<- data.frame(Date = seq(as.Date("2018-11-06"), as.Date("2018-11-06") , by = 1), rev(GREXretOUTSAt67)	GREXESHIt67<-ES(datGREXretOUTSAt67$rev.GREXretOUTSAt67, p=0.975, method="historical")
GREX	68	114	1910	2018-11-07	2018-11-07	GREXretOUTSAt68<-ln(GREXaprx[114:1910]/lead(GREXaprx[114:1910], 1))[1:1796]	datGREXretOUTSAt68<- data.frame(Date = seq(as.Date("2018-11-07"), as.Date("2018-11-07") , by = 1), rev(GREXretOUTSAt68)	GREXESHIt68<-ES(datGREXretOUTSAt68$rev.GREXretOUTSAt68, p=0.975, method="historical")
GREX	69	113	1909	2018-11-08	2018-11-08	GREXretOUTSAt69<-ln(GREXaprx[113:1909]/lead(GREXaprx[113:1909], 1))[1:1796]	datGREXretOUTSAt69<- data.frame(Date = seq(as.Date("2018-11-08"), as.Date("2018-11-08") , by = 1), rev(GREXretOUTSAt69)	GREXESHIt69<-ES(datGREXretOUTSAt69$rev.GREXretOUTSAt69, p=0.975, method="historical")
GREX	70	112	1908	2018-11-09	2018-11-09	GREXretOUTSAt70<-ln(GREXaprx[112:1908]/lead(GREXaprx[112:1908], 1))[1:1796]	datGREXretOUTSAt70<- data.frame(Date = seq(as.Date("2018-11-09"), as.Date("2018-11-09") , by = 1), rev(GREXretOUTSAt70)	GREXESHIt70<-ES(datGREXretOUTSAt70$rev.GREXretOUTSAt70, p=0.975, method="historical")
GREX	71	111	1907	2018-11-10	2018-11-10	GREXretOUTSAt71<-ln(GREXaprx[111:1907]/lead(GREXaprx[111:1907], 1))[1:1796]	datGREXretOUTSAt71<- data.frame(Date = seq(as.Date("2018-11-10"), as.Date("2018-11-10") , by = 1), rev(GREXretOUTSAt71)	GREXESHIt71<-ES(datGREXretOUTSAt71$rev.GREXretOUTSAt71, p=0.975, method="historical")
GREX	72	110	1906	2018-11-11	2018-11-11	GREXretOUTSAt72<-ln(GREXaprx[110:1906]/lead(GREXaprx[110:1906], 1))[1:1796]	datGREXretOUTSAt72<- data.frame(Date = seq(as.Date("2018-11-11"), as.Date("2018-11-11") , by = 1), rev(GREXretOUTSAt72)	GREXESHIt72<-ES(datGREXretOUTSAt72$rev.GREXretOUTSAt72, p=0.975, method="historical")
GREX	73	109	1905	2018-11-12	2018-11-12	GREXretOUTSAt73<-ln(GREXaprx[109:1905]/lead(GREXaprx[109:1905], 1))[1:1796]	datGREXretOUTSAt73<- data.frame(Date = seq(as.Date("2018-11-12"), as.Date("2018-11-12") , by = 1), rev(GREXretOUTSAt73)	GREXESHIt73<-ES(datGREXretOUTSAt73$rev.GREXretOUTSAt73, p=0.975, method="historical")
GREX	74	108	1904	2018-11-13	2018-11-13	GREXretOUTSAt74<-ln(GREXaprx[108:1904]/lead(GREXaprx[108:1904], 1))[1:1796]	datGREXretOUTSAt74<- data.frame(Date = seq(as.Date("2018-11-13"), as.Date("2018-11-13") , by = 1), rev(GREXretOUTSAt74)	GREXESHIt74<-ES(datGREXretOUTSAt74$rev.GREXretOUTSAt74, p=0.975, method="historical")
GREX	75	107	1903	2018-11-14	2018-11-14	GREXretOUTSAt75<-ln(GREXaprx[107:1903]/lead(GREXaprx[107:1903], 1))[1:1796]	datGREXretOUTSAt75<- data.frame(Date = seq(as.Date("2018-11-14"), as.Date("2018-11-14") , by = 1), rev(GREXretOUTSAt75)	GREXESHIt75<-ES(datGREXretOUTSAt75$rev.GREXretOUTSAt75, p=0.975, method="historical")
GREX	76	106	1902	2018-11-15	2018-11-15	GREXretOUTSAt76<-ln(GREXaprx[106:1902]/lead(GREXaprx[106:1902], 1))[1:1796]	datGREXretOUTSAt76<- data.frame(Date = seq(as.Date("2018-11-15"), as.Date("2018-11-15") , by = 1), rev(GREXretOUTSAt76)	GREXESHIt76<-ES(datGREXretOUTSAt76$rev.GREXretOUTSAt76, p=0.975, method="historical")
GREX	77	105	1901	2018-11-16	2018-11-16	GREXretOUTSAt77<-ln(GREXaprx[105:1901]/lead(GREXaprx[105:1901], 1))[1:1796]	datGREXretOUTSAt77<- data.frame(Date = seq(as.Date("2018-11-16"), as.Date("2018-11-16") , by = 1), rev(GREXretOUTSAt77)	GREXESHIt77<-ES(datGREXretOUTSAt77$rev.GREXretOUTSAt77, p=0.975, method="historical")
GREX	78	104	1900	2018-11-17	2018-11-17	GREXretOUTSAt78<-ln(GREXaprx[104:1900]/lead(GREXaprx[104:1900], 1))[1:1796]	datGREXretOUTSAt78<- data.frame(Date = seq(as.Date("2018-11-17"), as.Date("2018-11-17") , by = 1), rev(GREXretOUTSAt78)	GREXESHIt78<-ES(datGREXretOUTSAt78$rev.GREXretOUTSAt78, p=0.975, method="historical")
GREX	79	103	1899	2018-11-18	2018-11-18	GREXretOUTSAt79<-ln(GREXaprx[103:1899]/lead(GREXaprx[103:1899], 1))[1:1796]	datGREXretOUTSAt79<- data.frame(Date = seq(as.Date("2018-11-18"), as.Date("2018-11-18") , by = 1), rev(GREXretOUTSAt79)	GREXESHIt79<-ES(datGREXretOUTSAt79$rev.GREXretOUTSAt79, p=0.975, method="historical")
GREX	80	102	1898	2018-11-19	2018-11-19	GREXretOUTSAt80<-ln(GREXaprx[102:1898]/lead(GREXaprx[102:1898], 1))[1:1796]	datGREXretOUTSAt80<- data.frame(Date = seq(as.Date("2018-11-19"), as.Date("2018-11-19") , by = 1), rev(GREXretOUTSAt80)	GREXESHIt80<-ES(datGREXretOUTSAt80$rev.GREXretOUTSAt80, p=0.975, method="historical")
GREX	81	101	1897	2018-11-20	2018-11-20	GREXretOUTSAt81<-ln(GREXaprx[101:1897]/lead(GREXaprx[101:1897], 1))[1:1796]	datGREXretOUTSAt81<- data.frame(Date = seq(as.Date("2018-11-20"), as.Date("2018-11-20") , by = 1), rev(GREXretOUTSAt81)	GREXESHIt81<-ES(datGREXretOUTSAt81$rev.GREXretOUTSAt81, p=0.975, method="historical")
GREX	82	100	1896	2018-11-21	2018-11-21	GREXretOUTSAt82<-ln(GREXaprx[100:1896]/lead(GREXaprx[100:1896], 1))[1:1796]	datGREXretOUTSAt82<- data.frame(Date = seq(as.Date("2018-11-21"), as.Date("2018-11-21") , by = 1), rev(GREXretOUTSAt82)	GREXESHIt82<-ES(datGREXretOUTSAt82$rev.GREXretOUTSAt82, p=0.975, method="historical")
GREX	83	99	1895	2018-11-22	2018-11-22	GREXretOUTSAt83<-ln(GREXaprx[99:1895]/lead(GREXaprx[99:1895], 1))[1:1796]	datGREXretOUTSAt83<- data.frame(Date = seq(as.Date("2018-11-22"), as.Date("2018-11-22") , by = 1), rev(GREXretOUTSAt83)	GREXESHIt83<-ES(datGREXretOUTSAt83$r

GREX	139	43	1839	2019-01-17	2019-01-17	GREXretOUTSAt139<-ln(GREXaprx[43:1839]/lead(GREXaprx[43:1839], 1))[1:1796]	datGREXretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(GREXretOUTSAt139))	GREXESHIt139<-ES(datGREXretOUTSAt139$rev.GREXretOUTSAt139, p=0.975, method="historical")
GREX	140	42	1838	2019-01-18	2019-01-18	GREXretOUTSAt140<-ln(GREXaprx[42:1838]/lead(GREXaprx[42:1838], 1))[1:1796]	datGREXretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(GREXretOUTSAt140))	GREXESHIt140<-ES(datGREXretOUTSAt140$rev.GREXretOUTSAt140, p=0.975, method="historical")
GREX	141	41	1837	2019-01-19	2019-01-19	GREXretOUTSAt141<-ln(GREXaprx[41:1837]/lead(GREXaprx[41:1837], 1))[1:1796]	datGREXretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(GREXretOUTSAt141))	GREXESHIt141<-ES(datGREXretOUTSAt141$rev.GREXretOUTSAt141, p=0.975, method="historical")
GREX	142	40	1836	2019-01-20	2019-01-20	GREXretOUTSAt142<-ln(GREXaprx[40:1836]/lead(GREXaprx[40:1836], 1))[1:1796]	datGREXretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(GREXretOUTSAt142))	GREXESHIt142<-ES(datGREXretOUTSAt142$rev.GREXretOUTSAt142, p=0.975, method="historical")
GREX	143	39	1835	2019-01-21	2019-01-21	GREXretOUTSAt143<-ln(GREXaprx[39:1835]/lead(GREXaprx[39:1835], 1))[1:1796]	datGREXretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(GREXretOUTSAt143))	GREXESHIt143<-ES(datGREXretOUTSAt143$rev.GREXretOUTSAt143, p=0.975, method="historical")
GREX	144	38	1834	2019-01-22	2019-01-22	GREXretOUTSAt144<-ln(GREXaprx[38:1834]/lead(GREXaprx[38:1834], 1))[1:1796]	datGREXretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(GREXretOUTSAt144))	GREXESHIt144<-ES(datGREXretOUTSAt144$rev.GREXretOUTSAt144, p=0.975, method="historical")
GREX	145	37	1833	2019-01-23	2019-01-23	GREXretOUTSAt145<-ln(GREXaprx[37:1833]/lead(GREXaprx[37:1833], 1))[1:1796]	datGREXretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(GREXretOUTSAt145))	GREXESHIt145<-ES(datGREXretOUTSAt145$rev.GREXretOUTSAt145, p=0.975, method="historical")
GREX	146	36	1832	2019-01-24	2019-01-24	GREXretOUTSAt146<-ln(GREXaprx[36:1832]/lead(GREXaprx[36:1832], 1))[1:1796]	datGREXretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(GREXretOUTSAt146))	GREXESHIt146<-ES(datGREXretOUTSAt146$rev.GREXretOUTSAt146, p=0.975, method="historical")
GREX	147	35	1831	2019-01-25	2019-01-25	GREXretOUTSAt147<-ln(GREXaprx[35:1831]/lead(GREXaprx[35:1831], 1))[1:1796]	datGREXretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(GREXretOUTSAt147))	GREXESHIt147<-ES(datGREXretOUTSAt147$rev.GREXretOUTSAt147, p=0.975, method="historical")
GREX	148	34	1830	2019-01-26	2019-01-26	GREXretOUTSAt148<-ln(GREXaprx[34:1830]/lead(GREXaprx[34:1830], 1))[1:1796]	datGREXretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(GREXretOUTSAt148))	GREXESHIt148<-ES(datGREXretOUTSAt148$rev.GREXretOUTSAt148, p=0.975, method="historical")
GREX	149	33	1829	2019-01-27	2019-01-27	GREXretOUTSAt149<-ln(GREXaprx[33:1829]/lead(GREXaprx[33:1829], 1))[1:1796]	datGREXretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(GREXretOUTSAt149))	GREXESHIt149<-ES(datGREXretOUTSAt149$rev.GREXretOUTSAt149, p=0.975, method="historical")
GREX	150	32	1828	2019-01-28	2019-01-28	GREXretOUTSAt150<-ln(GREXaprx[32:1828]/lead(GREXaprx[32:1828], 1))[1:1796]	datGREXretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(GREXretOUTSAt150))	GREXESHIt150<-ES(datGREXretOUTSAt150$rev.GREXretOUTSAt150, p=0.975, method="historical")
GREX	151	31	1827	2019-01-29	2019-01-29	GREXretOUTSAt151<-ln(GREXaprx[31:1827]/lead(GREXaprx[31:1827], 1))[1:1796]	datGREXretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(GREXretOUTSAt151))	GREXESHIt151<-ES(datGREXretOUTSAt151$rev.GREXretOUTSAt151, p=0.975, method="historical")
GREX	152	30	1826	2019-01-30	2019-01-30	GREXretOUTSAt152<-ln(GREXaprx[30:1826]/lead(GREXaprx[30:1826], 1))[1:1796]	datGREXretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(GREXretOUTSAt152))	GREXESHIt152<-ES(datGREXretOUTSAt152$rev.GREXretOUTSAt152, p=0.975, method="historical")
GREX	153	29	1825	2019-01-31	2019-01-31	GREXretOUTSAt153<-ln(GREXaprx[29:1825]/lead(GREXaprx[29:1825], 1))[1:1796]	datGREXretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(GREXretOUTSAt153))	GREXESHIt153<-ES(datGREXretOUTSAt153$rev.GREXretOUTSAt153, p=0.975, method="historical")
GREX	154	28	1824	2019-02-01	2019-02-01	GREXretOUTSAt154<-ln(GREXaprx[28:1824]/lead(GREXaprx[28:1824], 1))[1:1796]	datGREXretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(GREXretOUTSAt154))	GREXESHIt154<-ES(datGREXretOUTSAt154$rev.GREXretOUTSAt154, p=0.975, method="historical")
GREX	155	27	1823	2019-02-02	2019-02-02	GREXretOUTSAt155<-ln(GREXaprx[27:1823]/lead(GREXaprx[27:1823], 1))[1:1796]	datGREXretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as.Date("2019-02-02") , by = 1), rev(GREXretOUTSAt155))	GREXESHIt155<-ES(datGREXretOUTSAt155$rev.GREXretOUTSAt155, p=0.975, method="historical")
GREX	156	26	1822	2019-02-03	2019-02-03	GREXretOUTSAt156<-ln(GREXaprx[26:1822]/lead(GREXaprx[26:1822], 1))[1:1796]	datGREXretOUTSAt156<- data.frame(Date = seq(as.Date("2019-02-03"), as.Date("2019-02-03") , by = 1), rev(GREXretOUTSAt156))	GREXESHIt156<-ES(datGREXretOUTSAt156$rev.GREXretOUTSAt156, p=0.975, method="historical")
GREX	157	25	1821	2019-02-04	2019-02-04	GREXretOUTSAt157<-ln(GREXaprx[25:1821]/lead(GREXaprx[25:1821], 1))[1:1796]	datGREXretOUTSAt157<- data.frame(Date = seq(as.Date("2019-02-04"), as.Date("2019-02-04") , by = 1), rev(GREXretOUTSAt157))	GREXESHIt157<-ES(datGREXretOUTSAt157$rev.GREXretOUTSAt157, p=0.975, method="historical")
GREX	158	24	1820	2019-02-05	2019-02-05	GREXretOUTSAt158<-ln(GREXaprx[24:1820]/lead(GREXaprx[24:1820], 1))[1:1796]	datGREXretOUTSAt158<- data.frame(Date = seq(as.Date("2019-02-05"), as.Date("2019-02-05") , by = 1), rev(GREXretOUTSAt158))	GREXESHIt158<-ES(datGREXretOUTSAt158$rev.GREXretOUTSAt158, p=0.975, method="historical")
GREX	159	23	1819	2019-02-06	2019-02-06	GREXretOUTSAt159<-ln(GREXaprx[23:1819]/lead(GREXaprx[23:1819], 1))[1:1796]	datGREXretOUTSAt159<- data.frame(Date = seq(as.Date("2019-02-06"), as.Date("2019-02-06") , by = 1), rev(GREXretOUTSAt159))	GREXESHIt159<-ES(datGREXretOUTSAt159$rev.GREXretOUTSAt159, p=0.975, method="historical")
GREX	160	22	1818	2019-02-07	2019-02-07	GREXretOUTSAt160<-ln(GREXaprx[22:1818]/lead(GREXaprx[22:1818], 1))[1:1796]	datGREXretOUTSAt160<- data.frame(Date = seq(as.Date("2019-02-07"), as.Date("2019-02-07") , by = 1), rev(GREXretOUTSAt160))	GREXESHIt160<-ES(datGREXretOUTSAt160$rev.GREXretOUTSAt160, p=0.975, method="historical")
GREX	161	21	1817	2019-02-08	2019-02-08	GREXretOUTSAt161<-ln(GREXaprx[21:1817]/lead(GREXaprx[21:1817], 1))[1:1796]	datGREXretOUTSAt161<- data.frame(Date = seq(as.Date("2019-02-08"), as.Date("2019-02-08") , by = 1), rev(GREXretOUTSAt161))	GREXESHIt161<-ES(datGREXretOUTSAt161$rev.GREXretOUTSAt161, p=0.975, method="historical")
GREX	162	20	1816	2019-02-09	2019-02-09	GREXretOUTSAt162<-ln(GREXaprx[20:1816]/lead(GREXaprx[20:1816], 1))[1:1796]	datGREXretOUTSAt162<- data.frame(Date = seq(as.Date("2019-02-09"), as.Date("2019-02-09") , by = 1), rev(GREXretOUTSAt162))	GREXESHIt162<-ES(datGREXretOUTSAt162$rev.GREXretOUTSAt162, p=0.975, method="historical")
GREX	163	19	1815	2019-02-10	2019-02-10	GREXretOUTSAt163<-ln(GREXaprx[19:1815]/lead(GREXaprx[19:1815], 1))[1:1796]	datGREXretOUTSAt163<- data.frame(Date = seq(as.Date("2019-02-10"), as.Date("2019-02-10") , by = 1), rev(GREXretOUTSAt163))	GREXESHIt163<-ES(datGREXretOUTSAt163$rev.GREXretOUTSAt163, p=0.975, method="historical")
GREX	164	18	1814	2019-02-11	2019-02-11	GREXretOUTSAt164<-ln(GREXaprx[18:1814]/lead(GREXaprx[18:1814], 1))[1:1796]	datGREXretOUTSAt164<- data.frame(Date = seq(as.Date("2019-02-11"), as.Date("2019-02-11") , by = 1), rev(GREXretOUTSAt164))	GREXESHIt164<-ES(datGREXretOUTSAt164$rev.GREXretOUTSAt164, p=0.975, method="historical")
GREX	165	17	1813	2019-02-12	2019-02-12	GREXretOUTSAt165<-ln(GREXaprx[17:1813]/lead(GREXaprx[17:1813], 1))[1:1796]	datGREXretOUTSAt165<- data.frame(Date = seq(as.Date("2019-02-12"), as.Date("2019-02-12") , by = 1), rev(GREXretOUTSAt165))	GREXESHIt165<-ES(datGREXretOUTSAt165$rev.GREXretOUTSAt165, p=0.975, method="historical")
GREX	166	16	1812	2019-02-13	2019-02-13	GREXretOUTSAt166<-ln(GREXaprx[16:1812]/lead(GREXaprx[16:1812], 1))[1:1796]	datGREXretOUTSAt166<- data.frame(Date = seq(as.Date("2019-02-13"), as.Date("2019-02-13") , by = 1), rev(GREXretOUTSAt166))	GREXESHIt166<-ES(datGREXretOUTSAt166$rev.GREXretOUTSAt166, p=0.975, method="historical")
GREX	167	15	1811	2019-02-14	2019-02-14	GREXretOUTSAt167<-ln(GREXaprx[15:1811]/lead(GREXaprx[15:1811], 1))[1:1796]	datGREXretOUTSAt167<- data.frame(Date = seq(as.Date("2019-02-14"), as.Date("2019-02-14") , by = 1), rev(GREXretOUTSAt167))	GREXESHIt167<-ES(datGREXretOUTSAt167$rev.GREXretOUTSAt167, p=0.975, method="historical")
GREX	168	14	1810	2019-02-15	2019-02-15	GREXretOUTSAt168<-ln(GREXaprx[14:1810]/lead(GREXaprx[14:1810], 1))[1:1796]	datGREXretOUTSAt168<- data.frame(Date = seq(as.Date("2019-02-15"), as.Date("2019-02-15") , by = 1), rev(GREXretOUTSAt168))	GREXESHIt168<-ES(datGREXretOUTSAt168$rev.GREXretOUTSAt168, p=0.975, method="historical")
GREX	169	13	1809	2019-02-16	2019-02-16	GREXretOUTSAt169<-ln(GREXaprx[13:1809]/lead(GREXaprx[13:1809], 1))[1:1796]	datGREXretOUTSAt169<- data.frame(Date = seq(as.Date("2019-02-16"), as.Date("2019-02-16") , by = 1), rev(GREXretOUTSAt169))	GREXESHIt169<-ES(datGREXretOUTSAt169$rev.GREXretOUTSAt169, p=0.975, method="historical")
GREX	170	12	1808	2019-02-17	2019-02-17	GREXretOUTSAt170<-ln(GREXaprx[12:1808]/lead(GREXaprx[12:1808], 1))[1:1796]	datGREXretOUTSAt170<- data.frame(Date = seq(as.Date("2019-02-17"), as.Date("2019-02-17") , by = 1), rev(GREXretOUTSAt170))	GREXESHIt170<-ES(datGREXretOUTSAt170$rev.GREXretOUTSAt170, p=0.975, method="historical")
GREX	171	11	1807	2019-02-18	2019-02-18	GREXretOUTSAt171<-ln(GREXaprx[11:1807]/lead(GREXaprx[11:1807], 1))[1:1796]	datGREXretOUTSAt171<- data.frame(Date = seq(as.Date("2019-02-18"), as.Date("2019-02-18") , by = 1), rev(GREXretOUTSAt171))	GREXESHIt171<-ES(datGREXretOUTSAt171$rev.GREXretOUTSAt171, p=0.975, method="historical")
GREX	172	10	1806	2019-02-19	2019-02-19	GREXretOUTSAt172<-ln(GREXaprx[10:1806]/lead(GREXaprx[10:1806], 1))[1:1796]	datGREXretOUTSAt172<- data.frame(Date = seq(as.Date("2019-02-19"), as.Date("2019-02-19") , by = 1), rev(GREXretOUTSAt172))	GREXESHIt172<-ES(datGREXretOUTSAt172$rev.GREXretOUTSAt172, p=0.975, method="historical")
GREX	173	9	1805	2019-02-20	2019-02-20	GREXretOUTSAt173<-ln(GREXaprx[9:1805]/lead(GREXaprx[9:1805], 1))[1:1796]	datGREXretOUTSAt173<- data.frame(Date = seq(as.Date("2019-02-20"), as.Date("2019-02-20") , by = 1), rev(GREXretOUTSAt173))	GREXESHIt173<-ES(datGREXretOUTSAt173$rev.GREXretOUTSAt173, p=0.975, method="historical")
GREX	174	8	1804	2019-02-21	2019-02-21	GREXretOUTSAt174<-ln(GREXaprx[8:1804]/lead(GREXaprx[8:1804], 1))[1:1796]	datGREXretOUTSAt174<- data.frame(Date = seq(as.Date("2019-02-21"), as.Date("2019-02-21") , by = 1), rev(GREXretOUTSAt174))	GREXESHIt174<-ES(datGREXretOUTSAt174$rev.GREXretOUTSAt174, p=0.975, method="historical")
GREX	175	7	1803	2019-02-22	2019-02-22	GREXretOUTSAt175<-ln(GREXaprx[7:1803]/lead(GREXaprx[7:1803], 1))[1:1796]	datGREXretOUTSAt175<- data.frame(Date = seq(as.Date("2019-02-22"), as.Date("2019-02-22") , by = 1), rev(GREXretOUTSAt175))	GREXESHIt175<-ES(datGREXretOUTSAt175$rev.GREXretOUTSAt175, p=0.975, method="historical")
GREX	176	6	1802	2019-02-23	2019-02-23	GREXretOUTSAt176<-ln(GREXaprx[6:1802]/lead(GREXaprx[6:1802], 1))[1:1796]	datGREXretOUTSAt176<- data.frame(Date = seq(as.Date("2019-02-23"), as.Date("2019-02-23") , by = 1), rev(GREXretOUTSAt176))	GREXESHIt176<-ES(datGREXretOUTSAt176$rev.GREXretOUTSAt176, p=0.975, method="historical")
GREX	177	5	1801	2019-02-24	2019-02-24	GREXretOUTSAt177<-ln(GREXaprx[5:1801]/lead(GREXaprx[5:1801], 1))[1:1796]	datGREXretOUTSAt177<- data.frame(Date = seq(as.Date("2019-02-24"), as.Date("2019-02-24") , by = 1), rev(GREXretOUTSAt177))	GREXESHIt177<-ES(datGREXretOUTSAt177$rev.GREXretOUTSAt177, p=0.975, method="historical")
GREX	178	4	1800	2019-02-25	2019-02-25	GREXretOUTSAt178<-ln(GREXaprx[4:1800]/lead(GREXaprx[4:1800], 1))[1:1796]	datGREXretOUTSAt178<- data.frame(Date = seq(as.Date("2019-02-25"), as.Date("2019-02-25") , by = 1), rev(GREXretOUTSAt178))	GREXESHIt178<-ES(datGREXretOUTSAt178$rev.GREXretOUTSAt178, p=0.975, method="historical")
GREX	179	3	1799	2019-02-26	2019-02-26	GREXretOUTSAt179<-ln(GREXaprx[3:1799]/lead(GREXaprx[3:1799], 1))[1:1796]	datGREXretOUTSAt179<- data.frame(Date = seq(as.Date("2019-02-26"), as.Date("2019-02-26") , by = 1), rev(GREXretOUTSAt179))	GREXESHIt179<-ES(datGREXretOUTSAt179$rev.GREXretOUTSAt179, p=0.975, method="historical")
GREX	180	2	1798	2019-02-27	2019-02-27	GREXretOUTSAt180<-ln(GREXaprx[2:1798]/lead(GREXaprx[2:1798], 1))[1:1796]	datGREXretOUTSAt180<- data.frame(Date = seq(as.Date("2019-02-27"), as.Date("2019-02-27") , by = 1), rev(GREXretOUTSAt180))	GREXESHIt180<-ES(datGREXretOUTSAt180$rev.GREXretOUTSAt180, p=0.975, method="historical")
GREX	181	1	1797	2019-02-28	2019-02-28	GREXretOUTSAt181<-ln(GREXaprx[1:1797]/lead(GREXaprx[1:1797], 1))[1:1796]	datGREXretOUTSAt181<- data.frame(Date = seq(as.Date("2019-02-28"), as.Date("2019-02-28") , by = 1), rev(GREXretOUTSAt181))	GREXESHIt181<-ES(datGREXretOUTSAt181$rev.GREXretOUTSAt181, p=0.975, method="historical")
#DAXP								
DAXP	1	181	1977	2018-09-01	2018-09-01	DAXPretOUTSAt1<-ln(DAXPaprx[181:1977]/lead(DAXPaprx[181:1977], 1))[1:1796]	datDAXPretOUTSAt1<- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2018-09-01") , by = 1), rev(DAXPretOUTSAt1))	DAXPESHIt1<-ES(datDAXPretOUTSAt1$rev.DAXPretOUTSAt1, p=0.975, method="historical")
DAXP	2	180	1976	2018-09-02	2018-09-02	DAXPretOUTSAt2<-ln(DAXPaprx[180:1976]/lead(DAXPaprx[180:1976], 1))[1:1796]	datDAXPretOUTSAt2<- data.frame(Date = seq(as.Date("2018-09-02"), as.Date("2018-09-02") , by = 1), rev(DAXPretOUTSAt2))	DAXPESHIt2<-ES(datDAXPretOUTSAt2$rev.DAXPretOUTSAt2, p=0.975, method="historical")
DAXP	3	179	1975	2018-09-03	2018-09-03	DAXPretOUTSAt3<-ln(DAXPaprx[179:1975]/lead(DAXPaprx[179:1975], 1))[1:1796]	datDAXPretOUTSAt3<- data.frame(Date = seq(as.Date("2018-09-03"), as.Date("2018-09-03") , by = 1), rev(DAXPretOUTSAt3))	DAXPESHIt3<-ES(datDAXPretOUTSAt3$rev.DAXPretOUTSAt3, p=0.975, method="historical")
DAXP	4	178	1974	2018-09-04	2018-09-04	DAXPretOUTSAt4<-ln(DAXPaprx[178:1974]/lead(DAXPaprx[178:1974], 1))[1:1796]	datDAXPretOUTSAt4<- data.frame(Date = seq(as.Date("2018-09-04"), as.Date("2018-09-04") , by = 1), rev(DAXPretOUTSAt4))	DAXPESHIt4<-ES(datDAXPretOUTSAt4$rev.DAXPretOUTSAt4, p=0.975, method="historical")
DAXP	5	177	1973	2018-09-05	2018-09-05	DAXPretOUTSAt5<-ln(DAXPaprx[177:1973]/lead(DAXPaprx[177:1973], 1))[1:1796]	datDAXPretOUTSAt5<- data.frame(Date = seq(as.Date("2018-09-05"), as.Date("2018-09-05") , by = 1), rev(DAXPretOUTSAt5))	DAXPESHIt5<-ES(datDAXPretOUTSAt5$rev.DAXPretOUTSAt5, p=0.975, method="historical")
DAXP	6	176	1972	2018-09-06	2018-09-06	DAXPretOUTSAt6<-ln(DAXPaprx[176:1972]/lead(DAXPaprx[176:1972], 1))[1:1796]	datDAXPretOUTSAt6<- data.frame(Date = seq(as.Date("2018-09-06"), as.Date("2018-09-06") , by = 1), rev(DAXPretOUTSAt6))	DAXPESHIt6<-ES(datDAXPretOUTSAt6$rev.DAXPretOUTSAt6, p=0.975, method="historical")
DAXP	7	175	1971	2018-09-07	2018-09-07	DAXPretOUTSAt7<-ln(DAXPaprx[175:1971]/lead(DAXPaprx[175:1971], 1))[1:1796]	datDAXPretOUTSAt7<- data.frame(Date = seq(as.Date("2018-09-07"), as.Date("2018-09-07") , by = 1), rev(DAXPretOUTSAt7))	DAXPESHIt7<-ES(datDAXPretOUTSAt7$rev.DAXPretOUTSAt7, p=0.975, method="historical")
DAXP	8	174	1970	2018-09-08	2018-09-08	DAXPretOUTSAt8<-ln(DAXPaprx[174:1970]/lead(DAXPaprx[174:1970], 1))[1:1796]	datDAXPretOUTSAt8<- data.frame(Date = seq(as.Date("2018-09-08"), as.Date("2018-09-08") , by = 1), rev(DAXPretOUTSAt8))	DAXPESHIt8<-ES(datDAXPretOUTSAt8$rev.DAXPretOUTSAt8, p=0.975, method="historical")
DAXP	9	173	1969	2018-09-09	2018-09-09	DAXPretOUTSAt9<-ln(DAXPaprx[173:1969]/lead(DAXPaprx[173:1969], 1))[1:1796]	datDAXPretOUTSAt9<- data.frame(Date = seq(as.Date("2018-09-09"), as.Date("2018-09-09") , by = 1), rev(DAXPretOUTSAt9))	DAXPESHIt9<-ES(datDAXPretOUTSAt9$rev.DAXPretOUTSAt9, p=0.975, method="historical")
DAXP	10	172	1968	2018-09-10	2018-09-10	DAXPretOUTSAt10<-ln(DAXPaprx[172:1968]/lead(DAXPaprx[172:1968], 1))[1:1796]	datDAXPretOUTSAt10<- data.frame(Date = seq(as.Date("2018-09-10"), as.Date("2018-09-10") , by = 1), rev(DAXPretOUTSAt10))	DAXPESHIt10<-ES(datDAXPretOUTSAt10$rev.DAXPretOUTSAt10, p=0.975, method="historical")
DAXP	11	171	1967	2018-09-11	2018-09-11	DAXPretOUTSAt11<-ln(DAXPaprx[171:1967]/lead(DAXPaprx[171:1967], 1))[1:1796]	datDAXPretOUTSAt11<- data.frame(Date = seq(as.Date("2018-09-11"), as.Date("2018-09-11") , by = 1), rev(DAXPretOUTSAt11))	DAXPESHIt11<-ES(datDAXPretOUTSAt11$rev.DAXPretOUTSAt11, p=0.975, method="historical")
DAXP	12	170	1966	2018-09-12	2018-09-12	DAXPretOUTSAt12<-ln(DAXPaprx[170:1966]/lead(DAXPaprx[170:1966], 1))[1:1796]	datDAXPretOUTSAt12<- data.frame(Date = seq(as.Date("2018-09-12"), as.Date("2018-09-12") , by = 1), rev(DAXPretOUTSAt12))	DAXPESHIt12<-ES(datDAXPretOUTSAt12$rev.DAXPretOUTSAt12, p=0.975, method="historical")
DAXP	13	169	1965	2018-09-13	2018-09-13	DAXPretOUTSAt13<-ln(DAXPaprx[169:1965]/lead(DAXPaprx[169:1965], 1))[1:1796]	datDAXPretOUTSAt13<- data.frame(Date = seq(as.Date("2018-09-13"), as.Date("2018-09-13") , by = 1), rev(DAXPretOUTSAt13))	DAXPESHIt13<-ES(datDAXPretOUTSAt13$rev.DAXPretOUTSAt13, p=0.975, method="historical")
DAXP	14	168	1964	2018-09-14	2018-09-14	DAXPretOUTSAt14<-ln(DAXPaprx[168:1964]/lead(DAXPaprx[168:1964], 1))[1:1796]	datDAXPretOUTSAt14<- data.frame(Date = seq(as.Date("2018-09-14"), as.Date("2018-09-14") , by = 1), rev(DAXPretOUTSAt14))	DAXPESHIt14<-ES(datDAXPretOUTSAt14$rev.DAXPretOUTSAt14, p=0.975, method="historical")
DAXP	15	167	1963	2018-09-15	2018-09-15	DAXPretOUTSAt15<-ln(DAXPaprx[167:1963]/lead(DAXPaprx[167:1963], 1))[1:1796]	datDAXPretOUTSAt15<- data.frame(Date = seq(as.Date("2018-09-15"), as.Date("2018-09-15") , by = 1), rev(DAXPretOUTSAt15))	DAXPESHIt15<-ES(datDAXPretOUTSAt15$rev.DAXPretOUTSAt15, p=0.975, method="historical")
DAXP	16	166	1962	2018-09-16	2018-09-16	DAXPretOUTSAt16<-ln(DAXPaprx[166:1962]/lead(DAXPaprx[166:1962], 1))[1:1796]	datDAXPretOUTSAt16<- data.frame(Date = seq(as.Date("2018-09-16"), as.Date("2018-09-16") , by = 1), rev(DAXPretOUTSAt16))	DAXPESHIt16<-ES(datDAXPretOUTSAt16$rev.DAXPretOUTSAt16, p=0.975, method="historical")
DAXP	17	165	1961	2018-09-17	2018-09-17	DAXPretOUTSAt17<-ln(DAXPaprx[165:1961]/lead(DAXPaprx[165:1961], 1))[1:1796]	datDAXPretOUTSAt17<- data.frame(Date = seq(as.Date("2018-09-17"), as.Date("2018-09-17") , by = 1), rev(DAXPretOUTSAt17))	DAXPESHIt17<-ES(datDAXPretOUTSAt17$rev.DAXPretOUTSAt17, p=0.975, method="historical")
DAXP	18	164	1960	2018-09-18	2018-09-18	DAXPretOUTSAt18<-ln(DAXPaprx[164:1960]/lead(DAXPaprx[164:1960], 1))[1:1796]	datDAXPretOUTSAt18<- data.frame(Date = seq(as.Date("2018-09-18"), as.Date("2018-09-18") , by = 1), rev(DAXPretOUTSAt18))	DAXPESHIt18<-ES(datDAXPretOUTSAt18$rev.DAXPretOUTSAt18, p=0.975, method="historical")
DAXP	19	163	1959	2018-09-19	2018-09-19	DAXPretOUTSAt19<-ln(DAXPaprx[163:1959]/lead(DAXPaprx[163:1959], 1))[1:1796]	datDAXPretOUTSAt19<- data.frame(Date = seq(as.Date("2018-09-19"), as.Date("2018-09-19") , by = 1), rev(DAXPretOUTSAt19))	DAXPESHIt19<-ES(datDAXPretOUTSAt19$rev.DAXPretOUTSAt19, p=0.975, method="historical")
DAXP	20	162	1958	2018-09-20	2018-09-20	DAXPretOUTSAt20<-ln(DAXPaprx[162:1958]/lead(DAXPaprx[162:1958], 1))[1:1796]	datDAXPretOUTSAt20<- data.frame(Date = seq(as.Date("2018-09-20"), as.Date("2018-09-20") , by = 1), rev(DAXPretOUTSAt20))	DAXPESHIt20<-ES(datDAXPretOUTSAt20$rev.DAXPretOUTSAt20, p=0.975, method="historical")
DAXP	21	161	1957	2018-09-21	2018-09-21	DAXPretOUTSAt21<-ln(DAXPaprx[161:1957]/lead(DAXPaprx[161:1957], 1))[1:1796]	datDAXPretOUTSAt21<- data.frame(Date = seq(as.Date("2018-09-21"), as.Date("2018-09-21") , by = 1), rev(DAXPretOUTSAt21))	DAXPESHIt21<-ES(datDAXPretOUTSAt21$rev.DAXPretOUTSAt21, p=0.975, method="historical")
DAXP	22	160	1956	2018-09-22	2018-09-22	DAXPretOUTSAt22<-ln(DAXPaprx[160:1956]/lead(DAXPaprx[160:1956], 1))[1:1796]	datDAXPretOUTSAt22<- data.frame(Date = seq(as.Date("2018-09-22"), as.Date("2018-09-22") , by = 1), rev(DAXPretOUTSAt22))	DAXPESHIt22<-ES(datDAXPretOUTSAt22$rev.DAXPretOUTSAt22, p=0.975, method="historical")
DAXP	23	159	1955	2018-09-23	2018-09-23	DAXPretOUTSAt23<-ln(DAXPaprx[159:1955]/lead(DAXPaprx[159:1955], 1))[1:1796]	datDAXPretOUTSAt23<- data.frame(Date = seq(as.Date("2018-09-23"), as.Date("2018-09-23") , by = 1), rev(DAXPretOUTSAt23))	DAXPESHIt23<-ES(datDAXPretOUTSAt23$rev.DAXPretOUTSAt23, p=0.975, method="historical")
DAXP	24	158	1954	2018-09-24	2018-09-24	DAXPretOUTSAt24<-ln(DAXPaprx[158:1954]/lead(DAXPaprx[158:1954], 1))[1:1796]	datDAXPretOUTSAt24<- data.frame(Date = seq(as.Date("2018-09-24"), as.Date("2018-09-24") , by = 1), rev(DAXPretOUTSAt24))	DAXPESHIt24<-ES(datDAXPretOUTSAt24$rev.DAXPretOUTSAt24, p=0.975, method="historical")
DAXP	25	157	1953	2018-09-25	2018-09-25	DAXPretOUTSAt25<-ln(DAXPaprx[157:1953]/lead(DAXPaprx[157:1953], 1))[1:1796]	datDAXPretOUTSAt25<- data.frame(Date = seq(as.Date("2018-09-25"), as.Date("2018-09-25") , by = 1), rev(DAXPretOUTSAt25))	DAXPESHIt25<-ES(datDAXPretOUTSAt25$rev.DAXPretOUTSAt25, p=0.975, method="historical")
DAXP	26	156	1952	2018-09-26	2018-09-26	DAXPretOUTSAt26<-ln(DAXPaprx[156:1952]/lead(DAXPaprx[156:1952], 1))[1:1796]	datDAXPretOUTSAt26<- data.frame(Date = seq(as.Date("2018-09-26"), as.Date("2018-09-26") , by = 1), rev(DAXPretOUTSAt26))	DAXPESHIt26<-ES(datDAXPretOUTSAt26$rev.DAXPretOUTSAt26, p=0.975, method="historical")
DAXP	27	155	1951	2018-09-27	2018-09-27	DAXPretOUTSAt27<-ln(DAXPaprx[155:1951]/lead(DAXPaprx[155:1951], 1))[1:1796]	datDAXPretOUTSAt27<- data.frame(Date = seq(as.Date("2018-09-27"), as.Date("2018-09-27") , by = 1), rev(DAXPretOUTSAt27))	DAXPESHIt27<-ES(datDAXPretOUTSAt27$rev.DAXPretOUTSAt27, p=0.975, method="historical")
DAXP	28	154	1950	2018-09-28	2018-09-28	DAXPretOUTSAt28<-ln(DAXPaprx[154:1950]/lead(DAXPaprx[154:1950], 1))[1:1796]	datDAXPretOUTSAt28<- data.frame(Date = seq(as.Date("2018-09-28"), as.Date("2018-09-28") , by = 1), rev(DAXPretOUTSAt28))	DAXPESHIt28<-ES(datDAXPretOUTSAt28$rev.DAXPretOUTSAt28, p=0.975, method="historical")
DAXP	29	153	1949	2018-09-29	2018-09-29	DAXPretOUTSAt29<-ln(DAXPaprx[153:1949]/lead(DAXPaprx[153:1949], 1))[1:1796]	datDAXPretOUTSAt29<- data.frame(Date = seq(as.Date("2018-09-29"), as.Date("2018-09-29") , by = 1), rev(DAXPretOUTSAt29))	DAXPESHIt29<-ES(datDAXPretOUTSAt29$rev.DAXPretOUTSAt29, p=0.975, method="historical")
DAXP	30	152	1948	2018-09-30	2018-09-30	DAXPretO

DAXP	85	97	1893	2018-11-24	2018-11-24	DAXPretOUTSAt85<-ln(DAXPaprx[97:1893]/lead(DAXPaprx[97:1893], 1))[1:1796]	datDAXPretOUTSAt85<- data.frame(Date = seq(as.Date("2018-11-24"), as.Date("2018-11-24") , by = 1), rev(DAXPretOUTSAt85))	DAXPESHIt85<-ES(datDAXPretOUTSAt85$rev.DAXPretOUTSAt85, p=0.975, method="historical")
DAXP	86	96	1892	2018-11-25	2018-11-25	DAXPretOUTSAt86<-ln(DAXPaprx[96:1892]/lead(DAXPaprx[96:1892], 1))[1:1796]	datDAXPretOUTSAt86<- data.frame(Date = seq(as.Date("2018-11-25"), as.Date("2018-11-25") , by = 1), rev(DAXPretOUTSAt86))	DAXPESHIt86<-ES(datDAXPretOUTSAt86$rev.DAXPretOUTSAt86, p=0.975, method="historical")
DAXP	87	95	1891	2018-11-26	2018-11-26	DAXPretOUTSAt87<-ln(DAXPaprx[95:1891]/lead(DAXPaprx[95:1891], 1))[1:1796]	datDAXPretOUTSAt87<- data.frame(Date = seq(as.Date("2018-11-26"), as.Date("2018-11-26") , by = 1), rev(DAXPretOUTSAt87))	DAXPESHIt87<-ES(datDAXPretOUTSAt87$rev.DAXPretOUTSAt87, p=0.975, method="historical")
DAXP	88	94	1890	2018-11-27	2018-11-27	DAXPretOUTSAt88<-ln(DAXPaprx[94:1890]/lead(DAXPaprx[94:1890], 1))[1:1796]	datDAXPretOUTSAt88<- data.frame(Date = seq(as.Date("2018-11-27"), as.Date("2018-11-27") , by = 1), rev(DAXPretOUTSAt88))	DAXPESHIt88<-ES(datDAXPretOUTSAt88$rev.DAXPretOUTSAt88, p=0.975, method="historical")
DAXP	89	93	1889	2018-11-28	2018-11-28	DAXPretOUTSAt89<-ln(DAXPaprx[93:1889]/lead(DAXPaprx[93:1889], 1))[1:1796]	datDAXPretOUTSAt89<- data.frame(Date = seq(as.Date("2018-11-28"), as.Date("2018-11-28") , by = 1), rev(DAXPretOUTSAt89))	DAXPESHIt89<-ES(datDAXPretOUTSAt89$rev.DAXPretOUTSAt89, p=0.975, method="historical")
DAXP	90	92	1888	2018-11-29	2018-11-29	DAXPretOUTSAt90<-ln(DAXPaprx[92:1888]/lead(DAXPaprx[92:1888], 1))[1:1796]	datDAXPretOUTSAt90<- data.frame(Date = seq(as.Date("2018-11-29"), as.Date("2018-11-29") , by = 1), rev(DAXPretOUTSAt90))	DAXPESHIt90<-ES(datDAXPretOUTSAt90$rev.DAXPretOUTSAt90, p=0.975, method="historical")
DAXP	91	91	1887	2018-11-30	2018-11-30	DAXPretOUTSAt91<-ln(DAXPaprx[91:1887]/lead(DAXPaprx[91:1887], 1))[1:1796]	datDAXPretOUTSAt91<- data.frame(Date = seq(as.Date("2018-11-30"), as.Date("2018-11-30") , by = 1), rev(DAXPretOUTSAt91))	DAXPESHIt91<-ES(datDAXPretOUTSAt91$rev.DAXPretOUTSAt91, p=0.975, method="historical")
DAXP	92	90	1886	2018-12-01	2018-12-01	DAXPretOUTSAt92<-ln(DAXPaprx[90:1886]/lead(DAXPaprx[90:1886], 1))[1:1796]	datDAXPretOUTSAt92<- data.frame(Date = seq(as.Date("2018-12-01"), as.Date("2018-12-01") , by = 1), rev(DAXPretOUTSAt92))	DAXPESHIt92<-ES(datDAXPretOUTSAt92$rev.DAXPretOUTSAt92, p=0.975, method="historical")
DAXP	93	89	1885	2018-12-02	2018-12-02	DAXPretOUTSAt93<-ln(DAXPaprx[89:1885]/lead(DAXPaprx[89:1885], 1))[1:1796]	datDAXPretOUTSAt93<- data.frame(Date = seq(as.Date("2018-12-02"), as.Date("2018-12-02") , by = 1), rev(DAXPretOUTSAt93))	DAXPESHIt93<-ES(datDAXPretOUTSAt93$rev.DAXPretOUTSAt93, p=0.975, method="historical")
DAXP	94	88	1884	2018-12-03	2018-12-03	DAXPretOUTSAt94<-ln(DAXPaprx[88:1884]/lead(DAXPaprx[88:1884], 1))[1:1796]	datDAXPretOUTSAt94<- data.frame(Date = seq(as.Date("2018-12-03"), as.Date("2018-12-03") , by = 1), rev(DAXPretOUTSAt94))	DAXPESHIt94<-ES(datDAXPretOUTSAt94$rev.DAXPretOUTSAt94, p=0.975, method="historical")
DAXP	95	87	1883	2018-12-04	2018-12-04	DAXPretOUTSAt95<-ln(DAXPaprx[87:1883]/lead(DAXPaprx[87:1883], 1))[1:1796]	datDAXPretOUTSAt95<- data.frame(Date = seq(as.Date("2018-12-04"), as.Date("2018-12-04") , by = 1), rev(DAXPretOUTSAt95))	DAXPESHIt95<-ES(datDAXPretOUTSAt95$rev.DAXPretOUTSAt95, p=0.975, method="historical")
DAXP	96	86	1882	2018-12-05	2018-12-05	DAXPretOUTSAt96<-ln(DAXPaprx[86:1882]/lead(DAXPaprx[86:1882], 1))[1:1796]	datDAXPretOUTSAt96<- data.frame(Date = seq(as.Date("2018-12-05"), as.Date("2018-12-05") , by = 1), rev(DAXPretOUTSAt96))	DAXPESHIt96<-ES(datDAXPretOUTSAt96$rev.DAXPretOUTSAt96, p=0.975, method="historical")
DAXP	97	85	1881	2018-12-06	2018-12-06	DAXPretOUTSAt97<-ln(DAXPaprx[85:1881]/lead(DAXPaprx[85:1881], 1))[1:1796]	datDAXPretOUTSAt97<- data.frame(Date = seq(as.Date("2018-12-06"), as.Date("2018-12-06") , by = 1), rev(DAXPretOUTSAt97))	DAXPESHIt97<-ES(datDAXPretOUTSAt97$rev.DAXPretOUTSAt97, p=0.975, method="historical")
DAXP	98	84	1880	2018-12-07	2018-12-07	DAXPretOUTSAt98<-ln(DAXPaprx[84:1880]/lead(DAXPaprx[84:1880], 1))[1:1796]	datDAXPretOUTSAt98<- data.frame(Date = seq(as.Date("2018-12-07"), as.Date("2018-12-07") , by = 1), rev(DAXPretOUTSAt98))	DAXPESHIt98<-ES(datDAXPretOUTSAt98$rev.DAXPretOUTSAt98, p=0.975, method="historical")
DAXP	99	83	1879	2018-12-08	2018-12-08	DAXPretOUTSAt99<-ln(DAXPaprx[83:1879]/lead(DAXPaprx[83:1879], 1))[1:1796]	datDAXPretOUTSAt99<- data.frame(Date = seq(as.Date("2018-12-08"), as.Date("2018-12-08") , by = 1), rev(DAXPretOUTSAt99))	DAXPESHIt99<-ES(datDAXPretOUTSAt99$rev.DAXPretOUTSAt99, p=0.975, method="historical")
DAXP	100	82	1878	2018-12-09	2018-12-09	DAXPretOUTSAt100<-ln(DAXPaprx[82:1878]/lead(DAXPaprx[82:1878], 1))[1:1796]	datDAXPretOUTSAt100<- data.frame(Date = seq(as.Date("2018-12-09"), as.Date("2018-12-09") , by = 1), rev(DAXPretOUTSAt100))	DAXPESHIt100<-ES(datDAXPretOUTSAt100$rev.DAXPretOUTSAt100, p=0.975, method="historical")
DAXP	101	81	1877	2018-12-10	2018-12-10	DAXPretOUTSAt101<-ln(DAXPaprx[81:1877]/lead(DAXPaprx[81:1877], 1))[1:1796]	datDAXPretOUTSAt101<- data.frame(Date = seq(as.Date("2018-12-10"), as.Date("2018-12-10") , by = 1), rev(DAXPretOUTSAt101))	DAXPESHIt101<-ES(datDAXPretOUTSAt101$rev.DAXPretOUTSAt101, p=0.975, method="historical")
DAXP	102	80	1876	2018-12-11	2018-12-11	DAXPretOUTSAt102<-ln(DAXPaprx[80:1876]/lead(DAXPaprx[80:1876], 1))[1:1796]	datDAXPretOUTSAt102<- data.frame(Date = seq(as.Date("2018-12-11"), as.Date("2018-12-11") , by = 1), rev(DAXPretOUTSAt102))	DAXPESHIt102<-ES(datDAXPretOUTSAt102$rev.DAXPretOUTSAt102, p=0.975, method="historical")
DAXP	103	79	1875	2018-12-12	2018-12-12	DAXPretOUTSAt103<-ln(DAXPaprx[79:1875]/lead(DAXPaprx[79:1875], 1))[1:1796]	datDAXPretOUTSAt103<- data.frame(Date = seq(as.Date("2018-12-12"), as.Date("2018-12-12") , by = 1), rev(DAXPretOUTSAt103))	DAXPESHIt103<-ES(datDAXPretOUTSAt103$rev.DAXPretOUTSAt103, p=0.975, method="historical")
DAXP	104	78	1874	2018-12-13	2018-12-13	DAXPretOUTSAt104<-ln(DAXPaprx[78:1874]/lead(DAXPaprx[78:1874], 1))[1:1796]	datDAXPretOUTSAt104<- data.frame(Date = seq(as.Date("2018-12-13"), as.Date("2018-12-13") , by = 1), rev(DAXPretOUTSAt104))	DAXPESHIt104<-ES(datDAXPretOUTSAt104$rev.DAXPretOUTSAt104, p=0.975, method="historical")
DAXP	105	77	1873	2018-12-14	2018-12-14	DAXPretOUTSAt105<-ln(DAXPaprx[77:1873]/lead(DAXPaprx[77:1873], 1))[1:1796]	datDAXPretOUTSAt105<- data.frame(Date = seq(as.Date("2018-12-14"), as.Date("2018-12-14") , by = 1), rev(DAXPretOUTSAt105))	DAXPESHIt105<-ES(datDAXPretOUTSAt105$rev.DAXPretOUTSAt105, p=0.975, method="historical")
DAXP	106	76	1872	2018-12-15	2018-12-15	DAXPretOUTSAt106<-ln(DAXPaprx[76:1872]/lead(DAXPaprx[76:1872], 1))[1:1796]	datDAXPretOUTSAt106<- data.frame(Date = seq(as.Date("2018-12-15"), as.Date("2018-12-15") , by = 1), rev(DAXPretOUTSAt106))	DAXPESHIt106<-ES(datDAXPretOUTSAt106$rev.DAXPretOUTSAt106, p=0.975, method="historical")
DAXP	107	75	1871	2018-12-16	2018-12-16	DAXPretOUTSAt107<-ln(DAXPaprx[75:1871]/lead(DAXPaprx[75:1871], 1))[1:1796]	datDAXPretOUTSAt107<- data.frame(Date = seq(as.Date("2018-12-16"), as.Date("2018-12-16") , by = 1), rev(DAXPretOUTSAt107))	DAXPESHIt107<-ES(datDAXPretOUTSAt107$rev.DAXPretOUTSAt107, p=0.975, method="historical")
DAXP	108	74	1870	2018-12-17	2018-12-17	DAXPretOUTSAt108<-ln(DAXPaprx[74:1870]/lead(DAXPaprx[74:1870], 1))[1:1796]	datDAXPretOUTSAt108<- data.frame(Date = seq(as.Date("2018-12-17"), as.Date("2018-12-17") , by = 1), rev(DAXPretOUTSAt108))	DAXPESHIt108<-ES(datDAXPretOUTSAt108$rev.DAXPretOUTSAt108, p=0.975, method="historical")
DAXP	109	73	1869	2018-12-18	2018-12-18	DAXPretOUTSAt109<-ln(DAXPaprx[73:1869]/lead(DAXPaprx[73:1869], 1))[1:1796]	datDAXPretOUTSAt109<- data.frame(Date = seq(as.Date("2018-12-18"), as.Date("2018-12-18") , by = 1), rev(DAXPretOUTSAt109))	DAXPESHIt109<-ES(datDAXPretOUTSAt109$rev.DAXPretOUTSAt109, p=0.975, method="historical")
DAXP	110	72	1868	2018-12-19	2018-12-19	DAXPretOUTSAt110<-ln(DAXPaprx[72:1868]/lead(DAXPaprx[72:1868], 1))[1:1796]	datDAXPretOUTSAt110<- data.frame(Date = seq(as.Date("2018-12-19"), as.Date("2018-12-19") , by = 1), rev(DAXPretOUTSAt110))	DAXPESHIt110<-ES(datDAXPretOUTSAt110$rev.DAXPretOUTSAt110, p=0.975, method="historical")
DAXP	111	71	1867	2018-12-20	2018-12-20	DAXPretOUTSAt111<-ln(DAXPaprx[71:1867]/lead(DAXPaprx[71:1867], 1))[1:1796]	datDAXPretOUTSAt111<- data.frame(Date = seq(as.Date("2018-12-20"), as.Date("2018-12-20") , by = 1), rev(DAXPretOUTSAt111))	DAXPESHIt111<-ES(datDAXPretOUTSAt111$rev.DAXPretOUTSAt111, p=0.975, method="historical")
DAXP	112	70	1866	2018-12-21	2018-12-21	DAXPretOUTSAt112<-ln(DAXPaprx[70:1866]/lead(DAXPaprx[70:1866], 1))[1:1796]	datDAXPretOUTSAt112<- data.frame(Date = seq(as.Date("2018-12-21"), as.Date("2018-12-21") , by = 1), rev(DAXPretOUTSAt112))	DAXPESHIt112<-ES(datDAXPretOUTSAt112$rev.DAXPretOUTSAt112, p=0.975, method="historical")
DAXP	113	69	1865	2018-12-22	2018-12-22	DAXPretOUTSAt113<-ln(DAXPaprx[69:1865]/lead(DAXPaprx[69:1865], 1))[1:1796]	datDAXPretOUTSAt113<- data.frame(Date = seq(as.Date("2018-12-22"), as.Date("2018-12-22") , by = 1), rev(DAXPretOUTSAt113))	DAXPESHIt113<-ES(datDAXPretOUTSAt113$rev.DAXPretOUTSAt113, p=0.975, method="historical")
DAXP	114	68	1864	2018-12-23	2018-12-23	DAXPretOUTSAt114<-ln(DAXPaprx[68:1864]/lead(DAXPaprx[68:1864], 1))[1:1796]	datDAXPretOUTSAt114<- data.frame(Date = seq(as.Date("2018-12-23"), as.Date("2018-12-23") , by = 1), rev(DAXPretOUTSAt114))	DAXPESHIt114<-ES(datDAXPretOUTSAt114$rev.DAXPretOUTSAt114, p=0.975, method="historical")
DAXP	115	67	1863	2018-12-24	2018-12-24	DAXPretOUTSAt115<-ln(DAXPaprx[67:1863]/lead(DAXPaprx[67:1863], 1))[1:1796]	datDAXPretOUTSAt115<- data.frame(Date = seq(as.Date("2018-12-24"), as.Date("2018-12-24") , by = 1), rev(DAXPretOUTSAt115))	DAXPESHIt115<-ES(datDAXPretOUTSAt115$rev.DAXPretOUTSAt115, p=0.975, method="historical")
DAXP	116	66	1862	2018-12-25	2018-12-25	DAXPretOUTSAt116<-ln(DAXPaprx[66:1862]/lead(DAXPaprx[66:1862], 1))[1:1796]	datDAXPretOUTSAt116<- data.frame(Date = seq(as.Date("2018-12-25"), as.Date("2018-12-25") , by = 1), rev(DAXPretOUTSAt116))	DAXPESHIt116<-ES(datDAXPretOUTSAt116$rev.DAXPretOUTSAt116, p=0.975, method="historical")
DAXP	117	65	1861	2018-12-26	2018-12-26	DAXPretOUTSAt117<-ln(DAXPaprx[65:1861]/lead(DAXPaprx[65:1861], 1))[1:1796]	datDAXPretOUTSAt117<- data.frame(Date = seq(as.Date("2018-12-26"), as.Date("2018-12-26") , by = 1), rev(DAXPretOUTSAt117))	DAXPESHIt117<-ES(datDAXPretOUTSAt117$rev.DAXPretOUTSAt117, p=0.975, method="historical")
DAXP	118	64	1860	2018-12-27	2018-12-27	DAXPretOUTSAt118<-ln(DAXPaprx[64:1860]/lead(DAXPaprx[64:1860], 1))[1:1796]	datDAXPretOUTSAt118<- data.frame(Date = seq(as.Date("2018-12-27"), as.Date("2018-12-27") , by = 1), rev(DAXPretOUTSAt118))	DAXPESHIt118<-ES(datDAXPretOUTSAt118$rev.DAXPretOUTSAt118, p=0.975, method="historical")
DAXP	119	63	1859	2018-12-28	2018-12-28	DAXPretOUTSAt119<-ln(DAXPaprx[63:1859]/lead(DAXPaprx[63:1859], 1))[1:1796]	datDAXPretOUTSAt119<- data.frame(Date = seq(as.Date("2018-12-28"), as.Date("2018-12-28") , by = 1), rev(DAXPretOUTSAt119))	DAXPESHIt119<-ES(datDAXPretOUTSAt119$rev.DAXPretOUTSAt119, p=0.975, method="historical")
DAXP	120	62	1858	2018-12-29	2018-12-29	DAXPretOUTSAt120<-ln(DAXPaprx[62:1858]/lead(DAXPaprx[62:1858], 1))[1:1796]	datDAXPretOUTSAt120<- data.frame(Date = seq(as.Date("2018-12-29"), as.Date("2018-12-29") , by = 1), rev(DAXPretOUTSAt120))	DAXPESHIt120<-ES(datDAXPretOUTSAt120$rev.DAXPretOUTSAt120, p=0.975, method="historical")
DAXP	121	61	1857	2018-12-30	2018-12-30	DAXPretOUTSAt121<-ln(DAXPaprx[61:1857]/lead(DAXPaprx[61:1857], 1))[1:1796]	datDAXPretOUTSAt121<- data.frame(Date = seq(as.Date("2018-12-30"), as.Date("2018-12-30") , by = 1), rev(DAXPretOUTSAt121))	DAXPESHIt121<-ES(datDAXPretOUTSAt121$rev.DAXPretOUTSAt121, p=0.975, method="historical")
DAXP	122	60	1856	2018-12-31	2018-12-31	DAXPretOUTSAt122<-ln(DAXPaprx[60:1856]/lead(DAXPaprx[60:1856], 1))[1:1796]	datDAXPretOUTSAt122<- data.frame(Date = seq(as.Date("2018-12-31"), as.Date("2018-12-31") , by = 1), rev(DAXPretOUTSAt122))	DAXPESHIt122<-ES(datDAXPretOUTSAt122$rev.DAXPretOUTSAt122, p=0.975, method="historical")
DAXP	123	59	1855	2019-01-01	2019-01-01	DAXPretOUTSAt123<-ln(DAXPaprx[59:1855]/lead(DAXPaprx[59:1855], 1))[1:1796]	datDAXPretOUTSAt123<- data.frame(Date = seq(as.Date("2019-01-01"), as.Date("2019-01-01") , by = 1), rev(DAXPretOUTSAt123))	DAXPESHIt123<-ES(datDAXPretOUTSAt123$rev.DAXPretOUTSAt123, p=0.975, method="historical")
DAXP	124	58	1854	2019-01-02	2019-01-02	DAXPretOUTSAt124<-ln(DAXPaprx[58:1854]/lead(DAXPaprx[58:1854], 1))[1:1796]	datDAXPretOUTSAt124<- data.frame(Date = seq(as.Date("2019-01-02"), as.Date("2019-01-02") , by = 1), rev(DAXPretOUTSAt124))	DAXPESHIt124<-ES(datDAXPretOUTSAt124$rev.DAXPretOUTSAt124, p=0.975, method="historical")
DAXP	125	57	1853	2019-01-03	2019-01-03	DAXPretOUTSAt125<-ln(DAXPaprx[57:1853]/lead(DAXPaprx[57:1853], 1))[1:1796]	datDAXPretOUTSAt125<- data.frame(Date = seq(as.Date("2019-01-03"), as.Date("2019-01-03") , by = 1), rev(DAXPretOUTSAt125))	DAXPESHIt125<-ES(datDAXPretOUTSAt125$rev.DAXPretOUTSAt125, p=0.975, method="historical")
DAXP	126	56	1852	2019-01-04	2019-01-04	DAXPretOUTSAt126<-ln(DAXPaprx[56:1852]/lead(DAXPaprx[56:1852], 1))[1:1796]	datDAXPretOUTSAt126<- data.frame(Date = seq(as.Date("2019-01-04"), as.Date("2019-01-04") , by = 1), rev(DAXPretOUTSAt126))	DAXPESHIt126<-ES(datDAXPretOUTSAt126$rev.DAXPretOUTSAt126, p=0.975, method="historical")
DAXP	127	55	1851	2019-01-05	2019-01-05	DAXPretOUTSAt127<-ln(DAXPaprx[55:1851]/lead(DAXPaprx[55:1851], 1))[1:1796]	datDAXPretOUTSAt127<- data.frame(Date = seq(as.Date("2019-01-05"), as.Date("2019-01-05") , by = 1), rev(DAXPretOUTSAt127))	DAXPESHIt127<-ES(datDAXPretOUTSAt127$rev.DAXPretOUTSAt127, p=0.975, method="historical")
DAXP	128	54	1850	2019-01-06	2019-01-06	DAXPretOUTSAt128<-ln(DAXPaprx[54:1850]/lead(DAXPaprx[54:1850], 1))[1:1796]	datDAXPretOUTSAt128<- data.frame(Date = seq(as.Date("2019-01-06"), as.Date("2019-01-06") , by = 1), rev(DAXPretOUTSAt128))	DAXPESHIt128<-ES(datDAXPretOUTSAt128$rev.DAXPretOUTSAt128, p=0.975, method="historical")
DAXP	129	53	1849	2019-01-07	2019-01-07	DAXPretOUTSAt129<-ln(DAXPaprx[53:1849]/lead(DAXPaprx[53:1849], 1))[1:1796]	datDAXPretOUTSAt129<- data.frame(Date = seq(as.Date("2019-01-07"), as.Date("2019-01-07") , by = 1), rev(DAXPretOUTSAt129))	DAXPESHIt129<-ES(datDAXPretOUTSAt129$rev.DAXPretOUTSAt129, p=0.975, method="historical")
DAXP	130	52	1848	2019-01-08	2019-01-08	DAXPretOUTSAt130<-ln(DAXPaprx[52:1848]/lead(DAXPaprx[52:1848], 1))[1:1796]	datDAXPretOUTSAt130<- data.frame(Date = seq(as.Date("2019-01-08"), as.Date("2019-01-08") , by = 1), rev(DAXPretOUTSAt130))	DAXPESHIt130<-ES(datDAXPretOUTSAt130$rev.DAXPretOUTSAt130, p=0.975, method="historical")
DAXP	131	51	1847	2019-01-09	2019-01-09	DAXPretOUTSAt131<-ln(DAXPaprx[51:1847]/lead(DAXPaprx[51:1847], 1))[1:1796]	datDAXPretOUTSAt131<- data.frame(Date = seq(as.Date("2019-01-09"), as.Date("2019-01-09") , by = 1), rev(DAXPretOUTSAt131))	DAXPESHIt131<-ES(datDAXPretOUTSAt131$rev.DAXPretOUTSAt131, p=0.975, method="historical")
DAXP	132	50	1846	2019-01-10	2019-01-10	DAXPretOUTSAt132<-ln(DAXPaprx[50:1846]/lead(DAXPaprx[50:1846], 1))[1:1796]	datDAXPretOUTSAt132<- data.frame(Date = seq(as.Date("2019-01-10"), as.Date("2019-01-10") , by = 1), rev(DAXPretOUTSAt132))	DAXPESHIt132<-ES(datDAXPretOUTSAt132$rev.DAXPretOUTSAt132, p=0.975, method="historical")
DAXP	133	49	1845	2019-01-11	2019-01-11	DAXPretOUTSAt133<-ln(DAXPaprx[49:1845]/lead(DAXPaprx[49:1845], 1))[1:1796]	datDAXPretOUTSAt133<- data.frame(Date = seq(as.Date("2019-01-11"), as.Date("2019-01-11") , by = 1), rev(DAXPretOUTSAt133))	DAXPESHIt133<-ES(datDAXPretOUTSAt133$rev.DAXPretOUTSAt133, p=0.975, method="historical")
DAXP	134	48	1844	2019-01-12	2019-01-12	DAXPretOUTSAt134<-ln(DAXPaprx[48:1844]/lead(DAXPaprx[48:1844], 1))[1:1796]	datDAXPretOUTSAt134<- data.frame(Date = seq(as.Date("2019-01-12"), as.Date("2019-01-12") , by = 1), rev(DAXPretOUTSAt134))	DAXPESHIt134<-ES(datDAXPretOUTSAt134$rev.DAXPretOUTSAt134, p=0.975, method="historical")
DAXP	135	47	1843	2019-01-13	2019-01-13	DAXPretOUTSAt135<-ln(DAXPaprx[47:1843]/lead(DAXPaprx[47:1843], 1))[1:1796]	datDAXPretOUTSAt135<- data.frame(Date = seq(as.Date("2019-01-13"), as.Date("2019-01-13") , by = 1), rev(DAXPretOUTSAt135))	DAXPESHIt135<-ES(datDAXPretOUTSAt135$rev.DAXPretOUTSAt135, p=0.975, method="historical")
DAXP	136	46	1842	2019-01-14	2019-01-14	DAXPretOUTSAt136<-ln(DAXPaprx[46:1842]/lead(DAXPaprx[46:1842], 1))[1:1796]	datDAXPretOUTSAt136<- data.frame(Date = seq(as.Date("2019-01-14"), as.Date("2019-01-14") , by = 1), rev(DAXPretOUTSAt136))	DAXPESHIt136<-ES(datDAXPretOUTSAt136$rev.DAXPretOUTSAt136, p=0.975, method="historical")
DAXP	137	45	1841	2019-01-15	2019-01-15	DAXPretOUTSAt137<-ln(DAXPaprx[45:1841]/lead(DAXPaprx[45:1841], 1))[1:1796]	datDAXPretOUTSAt137<- data.frame(Date = seq(as.Date("2019-01-15"), as.Date("2019-01-15") , by = 1), rev(DAXPretOUTSAt137))	DAXPESHIt137<-ES(datDAXPretOUTSAt137$rev.DAXPretOUTSAt137, p=0.975, method="historical")
DAXP	138	44	1840	2019-01-16	2019-01-16	DAXPretOUTSAt138<-ln(DAXPaprx[44:1840]/lead(DAXPaprx[44:1840], 1))[1:1796]	datDAXPretOUTSAt138<- data.frame(Date = seq(as.Date("2019-01-16"), as.Date("2019-01-16") , by = 1), rev(DAXPretOUTSAt138))	DAXPESHIt138<-ES(datDAXPretOUTSAt138$rev.DAXPretOUTSAt138, p=0.975, method="historical")
DAXP	139	43	1839	2019-01-17	2019-01-17	DAXPretOUTSAt139<-ln(DAXPaprx[43:1839]/lead(DAXPaprx[43:1839], 1))[1:1796]	datDAXPretOUTSAt139<- data.frame(Date = seq(as.Date("2019-01-17"), as.Date("2019-01-17") , by = 1), rev(DAXPretOUTSAt139))	DAXPESHIt139<-ES(datDAXPretOUTSAt139$rev.DAXPretOUTSAt139, p=0.975, method="historical")
DAXP	140	42	1838	2019-01-18	2019-01-18	DAXPretOUTSAt140<-ln(DAXPaprx[42:1838]/lead(DAXPaprx[42:1838], 1))[1:1796]	datDAXPretOUTSAt140<- data.frame(Date = seq(as.Date("2019-01-18"), as.Date("2019-01-18") , by = 1), rev(DAXPretOUTSAt140))	DAXPESHIt140<-ES(datDAXPretOUTSAt140$rev.DAXPretOUTSAt140, p=0.975, method="historical")
DAXP	141	41	1837	2019-01-19	2019-01-19	DAXPretOUTSAt141<-ln(DAXPaprx[41:1837]/lead(DAXPaprx[41:1837], 1))[1:1796]	datDAXPretOUTSAt141<- data.frame(Date = seq(as.Date("2019-01-19"), as.Date("2019-01-19") , by = 1), rev(DAXPretOUTSAt141))	DAXPESHIt141<-ES(datDAXPretOUTSAt141$rev.DAXPretOUTSAt141, p=0.975, method="historical")
DAXP	142	40	1836	2019-01-20	2019-01-20	DAXPretOUTSAt142<-ln(DAXPaprx[40:1836]/lead(DAXPaprx[40:1836], 1))[1:1796]	datDAXPretOUTSAt142<- data.frame(Date = seq(as.Date("2019-01-20"), as.Date("2019-01-20") , by = 1), rev(DAXPretOUTSAt142))	DAXPESHIt142<-ES(datDAXPretOUTSAt142$rev.DAXPretOUTSAt142, p=0.975, method="historical")
DAXP	143	39	1835	2019-01-21	2019-01-21	DAXPretOUTSAt143<-ln(DAXPaprx[39:1835]/lead(DAXPaprx[39:1835], 1))[1:1796]	datDAXPretOUTSAt143<- data.frame(Date = seq(as.Date("2019-01-21"), as.Date("2019-01-21") , by = 1), rev(DAXPretOUTSAt143))	DAXPESHIt143<-ES(datDAXPretOUTSAt143$rev.DAXPretOUTSAt143, p=0.975, method="historical")
DAXP	144	38	1834	2019-01-22	2019-01-22	DAXPretOUTSAt144<-ln(DAXPaprx[38:1834]/lead(DAXPaprx[38:1834], 1))[1:1796]	datDAXPretOUTSAt144<- data.frame(Date = seq(as.Date("2019-01-22"), as.Date("2019-01-22") , by = 1), rev(DAXPretOUTSAt144))	DAXPESHIt144<-ES(datDAXPretOUTSAt144$rev.DAXPretOUTSAt144, p=0.975, method="historical")
DAXP	145	37	1833	2019-01-23	2019-01-23	DAXPretOUTSAt145<-ln(DAXPaprx[37:1833]/lead(DAXPaprx[37:1833], 1))[1:1796]	datDAXPretOUTSAt145<- data.frame(Date = seq(as.Date("2019-01-23"), as.Date("2019-01-23") , by = 1), rev(DAXPretOUTSAt145))	DAXPESHIt145<-ES(datDAXPretOUTSAt145$rev.DAXPretOUTSAt145, p=0.975, method="historical")
DAXP	146	36	1832	2019-01-24	2019-01-24	DAXPretOUTSAt146<-ln(DAXPaprx[36:1832]/lead(DAXPaprx[36:1832], 1))[1:1796]	datDAXPretOUTSAt146<- data.frame(Date = seq(as.Date("2019-01-24"), as.Date("2019-01-24") , by = 1), rev(DAXPretOUTSAt146))	DAXPESHIt146<-ES(datDAXPretOUTSAt146$rev.DAXPretOUTSAt146, p=0.975, method="historical")
DAXP	147	35	1831	2019-01-25	2019-01-25	DAXPretOUTSAt147<-ln(DAXPaprx[35:1831]/lead(DAXPaprx[35:1831], 1))[1:1796]	datDAXPretOUTSAt147<- data.frame(Date = seq(as.Date("2019-01-25"), as.Date("2019-01-25") , by = 1), rev(DAXPretOUTSAt147))	DAXPESHIt147<-ES(datDAXPretOUTSAt147$rev.DAXPretOUTSAt147, p=0.975, method="historical")
DAXP	148	34	1830	2019-01-26	2019-01-26	DAXPretOUTSAt148<-ln(DAXPaprx[34:1830]/lead(DAXPaprx[34:1830], 1))[1:1796]	datDAXPretOUTSAt148<- data.frame(Date = seq(as.Date("2019-01-26"), as.Date("2019-01-26") , by = 1), rev(DAXPretOUTSAt148))	DAXPESHIt148<-ES(datDAXPretOUTSAt148$rev.DAXPretOUTSAt148, p=0.975, method="historical")
DAXP	149	33	1829	2019-01-27	2019-01-27	DAXPretOUTSAt149<-ln(DAXPaprx[33:1829]/lead(DAXPaprx[33:1829], 1))[1:1796]	datDAXPretOUTSAt149<- data.frame(Date = seq(as.Date("2019-01-27"), as.Date("2019-01-27") , by = 1), rev(DAXPretOUTSAt149))	DAXPESHIt149<-ES(datDAXPretOUTSAt149$rev.DAXPretOUTSAt149, p=0.975, method="historical")
DAXP	150	32	1828	2019-01-28	2019-01-28	DAXPretOUTSAt150<-ln(DAXPaprx[32:1828]/lead(DAXPaprx[32:1828], 1))[1:1796]	datDAXPretOUTSAt150<- data.frame(Date = seq(as.Date("2019-01-28"), as.Date("2019-01-28") , by = 1), rev(DAXPretOUTSAt150))	DAXPESHIt150<-ES(datDAXPretOUTSAt150$rev.DAXPretOUTSAt150, p=0.975, method="historical")
DAXP	151	31	1827	2019-01-29	2019-01-29	DAXPretOUTSAt151<-ln(DAXPaprx[31:1827]/lead(DAXPaprx[31:1827], 1))[1:1796]	datDAXPretOUTSAt151<- data.frame(Date = seq(as.Date("2019-01-29"), as.Date("2019-01-29") , by = 1), rev(DAXPretOUTSAt151))	DAXPESHIt151<-ES(datDAXPretOUTSAt151$rev.DAXPretOUTSAt151, p=0.975, method="historical")
DAXP	152	30	1826	2019-01-30	2019-01-30	DAXPretOUTSAt152<-ln(DAXPaprx[30:1826]/lead(DAXPaprx[30:1826], 1))[1:1796]	datDAXPretOUTSAt152<- data.frame(Date = seq(as.Date("2019-01-30"), as.Date("2019-01-30") , by = 1), rev(DAXPretOUTSAt152))	DAXPESHIt152<-ES(datDAXPretOUTSAt152$rev.DAXPretOUTSAt152, p=0.975, method="historical")
DAXP	153	29	1825	2019-01-31	2019-01-31	DAXPretOUTSAt153<-ln(DAXPaprx[29:1825]/lead(DAXPaprx[29:1825], 1))[1:1796]	datDAXPretOUTSAt153<- data.frame(Date = seq(as.Date("2019-01-31"), as.Date("2019-01-31") , by = 1), rev(DAXPretOUTSAt153))	DAXPESHIt153<-ES(datDAXPretOUTSAt153$rev.DAXPretOUTSAt153, p=0.975, method="historical")
DAXP	154	28	1824	2019-02-01	2019-02-01	DAXPretOUTSAt154<-ln(DAXPaprx[28:1824]/lead(DAXPaprx[28:1824], 1))[1:1796]	datDAXPretOUTSAt154<- data.frame(Date = seq(as.Date("2019-02-01"), as.Date("2019-02-01") , by = 1), rev(DAXPretOUTSAt154))	DAXPESHIt154<-ES(datDAXPretOUTSAt154$rev.DAXPretOUTSAt154, p=0.975, method="historical")
DAXP	155	27	1823	2019-02-02	2019-02-02	DAXPretOUTSAt155<-ln(DAXPaprx[27:1823]/lead(DAXPaprx[27:1823], 1))[1:1796]	datDAXPretOUTSAt155<- data.frame(Date = seq(as.Date("2019-02-02"), as

Calculate Expected Shortfall modified	Calculate Expected Shortfall gaussian	Extract Data	Extract Data	Extract Data
DJACESMOt1<-ES(datDJAcretOUTSAt1$rev.DJAcretOUTSAt1, p=0.975, method="modified")	DJACESNOt1<-ES(datDJAcretOUTSAt1$rev.DJAcretOUTSAt1, p=0.975, method="gaussian")	DJACESHIt1	DJACESMDt1	DJACESNDt1
DJACESMOt2<-ES(datDJAcretOUTSAt2$rev.DJAcretOUTSAt2, p=0.975, method="modified")	DJACESNOt2<-ES(datDJAcretOUTSAt2$rev.DJAcretOUTSAt2, p=0.975, method="gaussian")	DJACESHIt2	DJACESMDt2	DJACESNDt2
DJACESMOt3<-ES(datDJAcretOUTSAt3$rev.DJAcretOUTSAt3, p=0.975, method="modified")	DJACESNOt3<-ES(datDJAcretOUTSAt3$rev.DJAcretOUTSAt3, p=0.975, method="gaussian")	DJACESHIt3	DJACESMDt3	DJACESNDt3

DJACESMDt127<-ES(datDJAcretOUTSAt127$rev.DJAcretOUTSAt127, p=0.975, method="modified")	DJACESNOt127<-ES(datDJAcretOUTSAt127$rev.DJAcretOUTSAt127, p=0.975, method="gaussian")	DJACESHIt127	DJACESMDt127	DJACESNDt127
DJACESMDt128<-ES(datDJAcretOUTSAt128$rev.DJAcretOUTSAt128, p=0.975, method="modified")	DJACESNOt128<-ES(datDJAcretOUTSAt128$rev.DJAcretOUTSAt128, p=0.975, method="gaussian")	DJACESHIt128	DJACESMDt128	DJACESNDt128
DJACESMDt129<-ES(datDJAcretOUTSAt129$rev.DJAcretOUTSAt129, p=0.975, method="modified")	DJACESNOt129<-ES(datDJAcretOUTSAt129$rev.DJAcretOUTSAt129, p=0.975, method="gaussian")	DJACESHIt129	DJACESMDt129	DJACESNDt129
DJACESMDt130<-ES(datDJAcretOUTSAt130$rev.DJAcretOUTSAt130, p=0.975, method="modified")	DJACESNOt130<-ES(datDJAcretOUTSAt130$rev.DJAcretOUTSAt130, p=0.975, method="gaussian")	DJACESHIt130	DJACESMDt130	DJACESNDt130
DJACESMDt131<-ES(datDJAcretOUTSAt131$rev.DJAcretOUTSAt131, p=0.975, method="modified")	DJACESNOt131<-ES(datDJAcretOUTSAt131$rev.DJAcretOUTSAt131, p=0.975, method="gaussian")	DJACESHIt131	DJACESMDt131	DJACESNDt131
DJACESMDt132<-ES(datDJAcretOUTSAt132$rev.DJAcretOUTSAt132, p=0.975, method="modified")	DJACESNOt132<-ES(datDJAcretOUTSAt132$rev.DJAcretOUTSAt132, p=0.975, method="gaussian")	DJACESHIt132	DJACESMDt132	DJACESNDt132
DJACESMDt133<-ES(datDJAcretOUTSAt133$rev.DJAcretOUTSAt133, p=0.975, method="modified")	DJACESNOt133<-ES(datDJAcretOUTSAt133$rev.DJAcretOUTSAt133, p=0.975, method="gaussian")	DJACESHIt133	DJACESMDt133	DJACESNDt133
DJACESMDt134<-ES(datDJAcretOUTSAt134$rev.DJAcretOUTSAt134, p=0.975, method="modified")	DJACESNOt134<-ES(datDJAcretOUTSAt134$rev.DJAcretOUTSAt134, p=0.975, method="gaussian")	DJACESHIt134	DJACESMDt134	DJACESNDt134
DJACESMDt135<-ES(datDJAcretOUTSAt135$rev.DJAcretOUTSAt135, p=0.975, method="modified")	DJACESNOt135<-ES(datDJAcretOUTSAt135$rev.DJAcretOUTSAt135, p=0.975, method="gaussian")	DJACESHIt135	DJACESMDt135	DJACESNDt135
DJACESMDt136<-ES(datDJAcretOUTSAt136$rev.DJAcretOUTSAt136, p=0.975, method="modified")	DJACESNOt136<-ES(datDJAcretOUTSAt136$rev.DJAcretOUTSAt136, p=0.975, method="gaussian")	DJACESHIt136	DJACESMDt136	DJACESNDt136
DJACESMDt137<-ES(datDJAcretOUTSAt137$rev.DJAcretOUTSAt137, p=0.975, method="modified")	DJACESNOt137<-ES(datDJAcretOUTSAt137$rev.DJAcretOUTSAt137, p=0.975, method="gaussian")	DJACESHIt137	DJACESMDt137	DJACESNDt137
DJACESMDt138<-ES(datDJAcretOUTSAt138$rev.DJAcretOUTSAt138, p=0.975, method="modified")	DJACESNOt138<-ES(datDJAcretOUTSAt138$rev.DJAcretOUTSAt138, p=0.975, method="gaussian")	DJACESHIt138	DJACESMDt138	DJACESNDt138
DJACESMDt139<-ES(datDJAcretOUTSAt139$rev.DJAcretOUTSAt139, p=0.975, method="modified")	DJACESNOt139<-ES(datDJAcretOUTSAt139$rev.DJAcretOUTSAt139, p=0.975, method="gaussian")	DJACESHIt139	DJACESMDt139	DJACESNDt139
DJACESMDt140<-ES(datDJAcretOUTSAt140$rev.DJAcretOUTSAt140, p=0.975, method="modified")	DJACESNOt140<-ES(datDJAcretOUTSAt140$rev.DJAcretOUTSAt140, p=0.975, method="gaussian")	DJACESHIt140	DJACESMDt140	DJACESNDt140
DJACESMDt141<-ES(datDJAcretOUTSAt141$rev.DJAcretOUTSAt141, p=0.975, method="modified")	DJACESNOt141<-ES(datDJAcretOUTSAt141$rev.DJAcretOUTSAt141, p=0.975, method="gaussian")	DJACESHIt141	DJACESMDt141	DJACESNDt141
DJACESMDt142<-ES(datDJAcretOUTSAt142$rev.DJAcretOUTSAt142, p=0.975, method="modified")	DJACESNOt142<-ES(datDJAcretOUTSAt142$rev.DJAcretOUTSAt142, p=0.975, method="gaussian")	DJACESHIt142	DJACESMDt142	DJACESNDt142
DJACESMDt143<-ES(datDJAcretOUTSAt143$rev.DJAcretOUTSAt143, p=0.975, method="modified")	DJACESNOt143<-ES(datDJAcretOUTSAt143$rev.DJAcretOUTSAt143, p=0.975, method="gaussian")	DJACESHIt143	DJACESMDt143	DJACESNDt143
DJACESMDt144<-ES(datDJAcretOUTSAt144$rev.DJAcretOUTSAt144, p=0.975, method="modified")	DJACESNOt144<-ES(datDJAcretOUTSAt144$rev.DJAcretOUTSAt144, p=0.975, method="gaussian")	DJACESHIt144	DJACESMDt144	DJACESNDt144
DJACESMDt145<-ES(datDJAcretOUTSAt145$rev.DJAcretOUTSAt145, p=0.975, method="modified")	DJACESNOt145<-ES(datDJAcretOUTSAt145$rev.DJAcretOUTSAt145, p=0.975, method="gaussian")	DJACESHIt145	DJACESMDt145	DJACESNDt145
DJACESMDt146<-ES(datDJAcretOUTSAt146$rev.DJAcretOUTSAt146, p=0.975, method="modified")	DJACESNOt146<-ES(datDJAcretOUTSAt146$rev.DJAcretOUTSAt146, p=0.975, method="gaussian")	DJACESHIt146	DJACESMDt146	DJACESNDt146
DJACESMDt147<-ES(datDJAcretOUTSAt147$rev.DJAcretOUTSAt147, p=0.975, method="modified")	DJACESNOt147<-ES(datDJAcretOUTSAt147$rev.DJAcretOUTSAt147, p=0.975, method="gaussian")	DJACESHIt147	DJACESMDt147	DJACESNDt147
DJACESMDt148<-ES(datDJAcretOUTSAt148$rev.DJAcretOUTSAt148, p=0.975, method="modified")	DJACESNOt148<-ES(datDJAcretOUTSAt148$rev.DJAcretOUTSAt148, p=0.975, method="gaussian")	DJACESHIt148	DJACESMDt148	DJACESNDt148
DJACESMDt149<-ES(datDJAcretOUTSAt149$rev.DJAcretOUTSAt149, p=0.975, method="modified")	DJACESNOt149<-ES(datDJAcretOUTSAt149$rev.DJAcretOUTSAt149, p=0.975, method="gaussian")	DJACESHIt149	DJACESMDt149	DJACESNDt149
DJACESMDt150<-ES(datDJAcretOUTSAt150$rev.DJAcretOUTSAt150, p=0.975, method="modified")	DJACESNOt150<-ES(datDJAcretOUTSAt150$rev.DJAcretOUTSAt150, p=0.975, method="gaussian")	DJACESHIt150	DJACESMDt150	DJACESNDt150
DJACESMDt151<-ES(datDJAcretOUTSAt151$rev.DJAcretOUTSAt151, p=0.975, method="modified")	DJACESNOt151<-ES(datDJAcretOUTSAt151$rev.DJAcretOUTSAt151, p=0.975, method="gaussian")	DJACESHIt151	DJACESMDt151	DJACESNDt151
DJACESMDt152<-ES(datDJAcretOUTSAt152$rev.DJAcretOUTSAt152, p=0.975, method="modified")	DJACESNOt152<-ES(datDJAcretOUTSAt152$rev.DJAcretOUTSAt152, p=0.975, method="gaussian")	DJACESHIt152	DJACESMDt152	DJACESNDt152
DJACESMDt153<-ES(datDJAcretOUTSAt153$rev.DJAcretOUTSAt153, p=0.975, method="modified")	DJACESNOt153<-ES(datDJAcretOUTSAt153$rev.DJAcretOUTSAt153, p=0.975, method="gaussian")	DJACESHIt153	DJACESMDt153	DJACESNDt153
DJACESMDt154<-ES(datDJAcretOUTSAt154$rev.DJAcretOUTSAt154, p=0.975, method="modified")	DJACESNOt154<-ES(datDJAcretOUTSAt154$rev.DJAcretOUTSAt154, p=0.975, method="gaussian")	DJACESHIt154	DJACESMDt154	DJACESNDt154
DJACESMDt155<-ES(datDJAcretOUTSAt155$rev.DJAcretOUTSAt155, p=0.975, method="modified")	DJACESNOt155<-ES(datDJAcretOUTSAt155$rev.DJAcretOUTSAt155, p=0.975, method="gaussian")	DJACESHIt155	DJACESMDt155	DJACESNDt155
DJACESMDt156<-ES(datDJAcretOUTSAt156$rev.DJAcretOUTSAt156, p=0.975, method="modified")	DJACESNOt156<-ES(datDJAcretOUTSAt156$rev.DJAcretOUTSAt156, p=0.975, method="gaussian")	DJACESHIt156	DJACESMDt156	DJACESNDt156
DJACESMDt157<-ES(datDJAcretOUTSAt157$rev.DJAcretOUTSAt157, p=0.975, method="modified")	DJACESNOt157<-ES(datDJAcretOUTSAt157$rev.DJAcretOUTSAt157, p=0.975, method="gaussian")	DJACESHIt157	DJACESMDt157	DJACESNDt157
DJACESMDt158<-ES(datDJAcretOUTSAt158$rev.DJAcretOUTSAt158, p=0.975, method="modified")	DJACESNOt158<-ES(datDJAcretOUTSAt158$rev.DJAcretOUTSAt158, p=0.975, method="gaussian")	DJACESHIt158	DJACESMDt158	DJACESNDt158
DJACESMDt159<-ES(datDJAcretOUTSAt159$rev.DJAcretOUTSAt159, p=0.975, method="modified")	DJACESNOt159<-ES(datDJAcretOUTSAt159$rev.DJAcretOUTSAt159, p=0.975, method="gaussian")	DJACESHIt159	DJACESMDt159	DJACESNDt159
DJACESMDt160<-ES(datDJAcretOUTSAt160$rev.DJAcretOUTSAt160, p=0.975, method="modified")	DJACESNOt160<-ES(datDJAcretOUTSAt160$rev.DJAcretOUTSAt160, p=0.975, method="gaussian")	DJACESHIt160	DJACESMDt160	DJACESNDt160
DJACESMDt161<-ES(datDJAcretOUTSAt161$rev.DJAcretOUTSAt161, p=0.975, method="modified")	DJACESNOt161<-ES(datDJAcretOUTSAt161$rev.DJAcretOUTSAt161, p=0.975, method="gaussian")	DJACESHIt161	DJACESMDt161	DJACESNDt161
DJACESMDt162<-ES(datDJAcretOUTSAt162$rev.DJAcretOUTSAt162, p=0.975, method="modified")	DJACESNOt162<-ES(datDJAcretOUTSAt162$rev.DJAcretOUTSAt162, p=0.975, method="gaussian")	DJACESHIt162	DJACESMDt162	DJACESNDt162
DJACESMDt163<-ES(datDJAcretOUTSAt163$rev.DJAcretOUTSAt163, p=0.975, method="modified")	DJACESNOt163<-ES(datDJAcretOUTSAt163$rev.DJAcretOUTSAt163, p=0.975, method="gaussian")	DJACESHIt163	DJACESMDt163	DJACESNDt163
DJACESMDt164<-ES(datDJAcretOUTSAt164$rev.DJAcretOUTSAt164, p=0.975, method="modified")	DJACESNOt164<-ES(datDJAcretOUTSAt164$rev.DJAcretOUTSAt164, p=0.975, method="gaussian")	DJACESHIt164	DJACESMDt164	DJACESNDt164
DJACESMDt165<-ES(datDJAcretOUTSAt165$rev.DJAcretOUTSAt165, p=0.975, method="modified")	DJACESNOt165<-ES(datDJAcretOUTSAt165$rev.DJAcretOUTSAt165, p=0.975, method="gaussian")	DJACESHIt165	DJACESMDt165	DJACESNDt165
DJACESMDt166<-ES(datDJAcretOUTSAt166$rev.DJAcretOUTSAt166, p=0.975, method="modified")	DJACESNOt166<-ES(datDJAcretOUTSAt166$rev.DJAcretOUTSAt166, p=0.975, method="gaussian")	DJACESHIt166	DJACESMDt166	DJACESNDt166
DJACESMDt167<-ES(datDJAcretOUTSAt167$rev.DJAcretOUTSAt167, p=0.975, method="modified")	DJACESNOt167<-ES(datDJAcretOUTSAt167$rev.DJAcretOUTSAt167, p=0.975, method="gaussian")	DJACESHIt167	DJACESMDt167	DJACESNDt167
DJACESMDt168<-ES(datDJAcretOUTSAt168$rev.DJAcretOUTSAt168, p=0.975, method="modified")	DJACESNOt168<-ES(datDJAcretOUTSAt168$rev.DJAcretOUTSAt168, p=0.975, method="gaussian")	DJACESHIt168	DJACESMDt168	DJACESNDt168
DJACESMDt169<-ES(datDJAcretOUTSAt169$rev.DJAcretOUTSAt169, p=0.975, method="modified")	DJACESNOt169<-ES(datDJAcretOUTSAt169$rev.DJAcretOUTSAt169, p=0.975, method="gaussian")	DJACESHIt169	DJACESMDt169	DJACESNDt169
DJACESMDt170<-ES(datDJAcretOUTSAt170$rev.DJAcretOUTSAt170, p=0.975, method="modified")	DJACESNOt170<-ES(datDJAcretOUTSAt170$rev.DJAcretOUTSAt170, p=0.975, method="gaussian")	DJACESHIt170	DJACESMDt170	DJACESNDt170
DJACESMDt171<-ES(datDJAcretOUTSAt171$rev.DJAcretOUTSAt171, p=0.975, method="modified")	DJACESNOt171<-ES(datDJAcretOUTSAt171$rev.DJAcretOUTSAt171, p=0.975, method="gaussian")	DJACESHIt171	DJACESMDt171	DJACESNDt171
DJACESMDt172<-ES(datDJAcretOUTSAt172$rev.DJAcretOUTSAt172, p=0.975, method="modified")	DJACESNOt172<-ES(datDJAcretOUTSAt172$rev.DJAcretOUTSAt172, p=0.975, method="gaussian")	DJACESHIt172	DJACESMDt172	DJACESNDt172
DJACESMDt173<-ES(datDJAcretOUTSAt173$rev.DJAcretOUTSAt173, p=0.975, method="modified")	DJACESNOt173<-ES(datDJAcretOUTSAt173$rev.DJAcretOUTSAt173, p=0.975, method="gaussian")	DJACESHIt173	DJACESMDt173	DJACESNDt173
DJACESMDt174<-ES(datDJAcretOUTSAt174$rev.DJAcretOUTSAt174, p=0.975, method="modified")	DJACESNOt174<-ES(datDJAcretOUTSAt174$rev.DJAcretOUTSAt174, p=0.975, method="gaussian")	DJACESHIt174	DJACESMDt174	DJACESNDt174
DJACESMDt175<-ES(datDJAcretOUTSAt175$rev.DJAcretOUTSAt175, p=0.975, method="modified")	DJACESNOt175<-ES(datDJAcretOUTSAt175$rev.DJAcretOUTSAt175, p=0.975, method="gaussian")	DJACESHIt175	DJACESMDt175	DJACESNDt175
DJACESMDt176<-ES(datDJAcretOUTSAt176$rev.DJAcretOUTSAt176, p=0.975, method="modified")	DJACESNOt176<-ES(datDJAcretOUTSAt176$rev.DJAcretOUTSAt176, p=0.975, method="gaussian")	DJACESHIt176	DJACESMDt176	DJACESNDt176
DJACESMDt177<-ES(datDJAcretOUTSAt177$rev.DJAcretOUTSAt177, p=0.975, method="modified")	DJACESNOt177<-ES(datDJAcretOUTSAt177$rev.DJAcretOUTSAt177, p=0.975, method="gaussian")	DJACESHIt177	DJACESMDt177	DJACESNDt177
DJACESMDt178<-ES(datDJAcretOUTSAt178$rev.DJAcretOUTSAt178, p=0.975, method="modified")	DJACESNOt178<-ES(datDJAcretOUTSAt178$rev.DJAcretOUTSAt178, p=0.975, method="gaussian")	DJACESHIt178	DJACESMDt178	DJACESNDt178
DJACESMDt179<-ES(datDJAcretOUTSAt179$rev.DJAcretOUTSAt179, p=0.975, method="modified")	DJACESNOt179<-ES(datDJAcretOUTSAt179$rev.DJAcretOUTSAt179, p=0.975, method="gaussian")	DJACESHIt179	DJACESMDt179	DJACESNDt179
DJACESMDt180<-ES(datDJAcretOUTSAt180$rev.DJAcretOUTSAt180, p=0.975, method="modified")	DJACESNOt180<-ES(datDJAcretOUTSAt180$rev.DJAcretOUTSAt180, p=0.975, method="gaussian")	DJACESHIt180	DJACESMDt180	DJACESNDt180
DJACESMDt181<-ES(datDJAcretOUTSAt181$rev.DJAcretOUTSAt181, p=0.975, method="modified")	DJACESNOt181<-ES(datDJAcretOUTSAt181$rev.DJAcretOUTSAt181, p=0.975, method="gaussian")	DJACESHIt181	DJACESMDt181	DJACESNDt181
DJALESMDt1<-ES(datDJALretOUTSAt1$rev.DJALretOUTSAt1, p=0.975, method="modified")	DJALESNOt1<-ES(datDJALretOUTSAt1$rev.DJALretOUTSAt1, p=0.975, method="gaussian")	DJALESHIt1	DJALESMDt1	DJALESNDt1
DJALESMDt2<-ES(datDJALretOUTSAt2$rev.DJALretOUTSAt2, p=0.975, method="modified")	DJALESNOt2<-ES(datDJALretOUTSAt2$rev.DJALretOUTSAt2, p=0.975, method="gaussian")	DJALESHIt2	DJALESMDt2	DJALESNDt2
DJALESMDt3<-ES(datDJALretOUTSAt3$rev.DJALretOUTSAt3, p=0.975, method="modified")	DJALESNOt3<-ES(datDJALretOUTSAt3$rev.DJALretOUTSAt3, p=0.975, method="gaussian")	DJALESHIt3	DJALESMDt3	DJALESNDt3

DJALESMOt73<-ES(datDJAlretOUTSAt73$rev.DJAlretOUTSAt73, p=0.975, method="modified")	DJALESNOt73<-ES(datDJAlretOUTSAt73$rev.DJAlretOUTSAt73, p=0.975, method="gaussian")	DJALESHIt73	DJALESMOt73	DJALESNOt73
DJALESMOt74<-ES(datDJAlretOUTSAt74$rev.DJAlretOUTSAt74, p=0.975, method="modified")	DJALESNOt74<-ES(datDJAlretOUTSAt74$rev.DJAlretOUTSAt74, p=0.975, method="gaussian")	DJALESHIt74	DJALESMOt74	DJALESNOt74
DJALESMOt75<-ES(datDJAlretOUTSAt75$rev.DJAlretOUTSAt75, p=0.975, method="modified")	DJALESNOt75<-ES(datDJAlretOUTSAt75$rev.DJAlretOUTSAt75, p=0.975, method="gaussian")	DJALESHIt75	DJALESMOt75	DJALESNOt75
DJALESMOt76<-ES(datDJAlretOUTSAt76$rev.DJAlretOUTSAt76, p=0.975, method="modified")	DJALESNOt76<-ES(datDJAlretOUTSAt76$rev.DJAlretOUTSAt76, p=0.975, method="gaussian")	DJALESHIt76	DJALESMOt76	DJALESNOt76
DJALESMOt77<-ES(datDJAlretOUTSAt77$rev.DJAlretOUTSAt77, p=0.975, method="modified")	DJALESNOt77<-ES(datDJAlretOUTSAt77$rev.DJAlretOUTSAt77, p=0.975, method="gaussian")	DJALESHIt77	DJALESMOt77	DJALESNOt77
DJALESMOt78<-ES(datDJAlretOUTSAt78$rev.DJAlretOUTSAt78, p=0.975, method="modified")	DJALESNOt78<-ES(datDJAlretOUTSAt78$rev.DJAlretOUTSAt78, p=0.975, method="gaussian")	DJALESHIt78	DJALESMOt78	DJALESNOt78
DJALESMOt79<-ES(datDJAlretOUTSAt79$rev.DJAlretOUTSAt79, p=0.975, method="modified")	DJALESNOt79<-ES(datDJAlretOUTSAt79$rev.DJAlretOUTSAt79, p=0.975, method="gaussian")	DJALESHIt79	DJALESMOt79	DJALESNOt79
DJALESMOt80<-ES(datDJAlretOUTSAt80$rev.DJAlretOUTSAt80, p=0.975, method="modified")	DJALESNOt80<-ES(datDJAlretOUTSAt80$rev.DJAlretOUTSAt80, p=0.975, method="gaussian")	DJALESHIt80	DJALESMOt80	DJALESNOt80
DJALESMOt81<-ES(datDJAlretOUTSAt81$rev.DJAlretOUTSAt81, p=0.975, method="modified")	DJALESNOt81<-ES(datDJAlretOUTSAt81$rev.DJAlretOUTSAt81, p=0.975, method="gaussian")	DJALESHIt81	DJALESMOt81	DJALESNOt81
DJALESMOt82<-ES(datDJAlretOUTSAt82$rev.DJAlretOUTSAt82, p=0.975, method="modified")	DJALESNOt82<-ES(datDJAlretOUTSAt82$rev.DJAlretOUTSAt82, p=0.975, method="gaussian")	DJALESHIt82	DJALESMOt82	DJALESNOt82
DJALESMOt83<-ES(datDJAlretOUTSAt83$rev.DJAlretOUTSAt83, p=0.975, method="modified")	DJALESNOt83<-ES(datDJAlretOUTSAt83$rev.DJAlretOUTSAt83, p=0.975, method="gaussian")	DJALESHIt83	DJALESMOt83	DJALESNOt83
DJALESMOt84<-ES(datDJAlretOUTSAt84$rev.DJAlretOUTSAt84, p=0.975, method="modified")	DJALESNOt84<-ES(datDJAlretOUTSAt84$rev.DJAlretOUTSAt84, p=0.975, method="gaussian")	DJALESHIt84	DJALESMOt84	DJALESNOt84
DJALESMOt85<-ES(datDJAlretOUTSAt85$rev.DJAlretOUTSAt85, p=0.975, method="modified")	DJALESNOt85<-ES(datDJAlretOUTSAt85$rev.DJAlretOUTSAt85, p=0.975, method="gaussian")	DJALESHIt85	DJALESMOt85	DJALESNOt85
DJALESMOt86<-ES(datDJAlretOUTSAt86$rev.DJAlretOUTSAt86, p=0.975, method="modified")	DJALESNOt86<-ES(datDJAlretOUTSAt86$rev.DJAlretOUTSAt86, p=0.975, method="gaussian")	DJALESHIt86	DJALESMOt86	DJALESNOt86
DJALESMOt87<-ES(datDJAlretOUTSAt87$rev.DJAlretOUTSAt87, p=0.975, method="modified")	DJALESNOt87<-ES(datDJAlretOUTSAt87$rev.DJAlretOUTSAt87, p=0.975, method="gaussian")	DJALESHIt87	DJALESMOt87	DJALESNOt87
DJALESMOt88<-ES(datDJAlretOUTSAt88$rev.DJAlretOUTSAt88, p=0.975, method="modified")	DJALESNOt88<-ES(datDJAlretOUTSAt88$rev.DJAlretOUTSAt88, p=0.975, method="gaussian")	DJALESHIt88	DJALESMOt88	DJALESNOt88
DJALESMOt89<-ES(datDJAlretOUTSAt89$rev.DJAlretOUTSAt89, p=0.975, method="modified")	DJALESNOt89<-ES(datDJAlretOUTSAt89$rev.DJAlretOUTSAt89, p=0.975, method="gaussian")	DJALESHIt89	DJALESMOt89	DJALESNOt89
DJALESMOt90<-ES(datDJAlretOUTSAt90$rev.DJAlretOUTSAt90, p=0.975, method="modified")	DJALESNOt90<-ES(datDJAlretOUTSAt90$rev.DJAlretOUTSAt90, p=0.975, method="gaussian")	DJALESHIt90	DJALESMOt90	DJALESNOt90
DJALESMOt91<-ES(datDJAlretOUTSAt91$rev.DJAlretOUTSAt91, p=0.975, method="modified")	DJALESNOt91<-ES(datDJAlretOUTSAt91$rev.DJAlretOUTSAt91, p=0.975, method="gaussian")	DJALESHIt91	DJALESMOt91	DJALESNOt91
DJALESMOt92<-ES(datDJAlretOUTSAt92$rev.DJAlretOUTSAt92, p=0.975, method="modified")	DJALESNOt92<-ES(datDJAlretOUTSAt92$rev.DJAlretOUTSAt92, p=0.975, method="gaussian")	DJALESHIt92	DJALESMOt92	DJALESNOt92
DJALESMOt93<-ES(datDJAlretOUTSAt93$rev.DJAlretOUTSAt93, p=0.975, method="modified")	DJALESNOt93<-ES(datDJAlretOUTSAt93$rev.DJAlretOUTSAt93, p=0.975, method="gaussian")	DJALESHIt93	DJALESMOt93	DJALESNOt93
DJALESMOt94<-ES(datDJAlretOUTSAt94$rev.DJAlretOUTSAt94, p=0.975, method="modified")	DJALESNOt94<-ES(datDJAlretOUTSAt94$rev.DJAlretOUTSAt94, p=0.975, method="gaussian")	DJALESHIt94	DJALESMOt94	DJALESNOt94
DJALESMOt95<-ES(datDJAlretOUTSAt95$rev.DJAlretOUTSAt95, p=0.975, method="modified")	DJALESNOt95<-ES(datDJAlretOUTSAt95$rev.DJAlretOUTSAt95, p=0.975, method="gaussian")	DJALESHIt95	DJALESMOt95	DJALESNOt95
DJALESMOt96<-ES(datDJAlretOUTSAt96$rev.DJAlretOUTSAt96, p=0.975, method="modified")	DJALESNOt96<-ES(datDJAlretOUTSAt96$rev.DJAlretOUTSAt96, p=0.975, method="gaussian")	DJALESHIt96	DJALESMOt96	DJALESNOt96
DJALESMOt97<-ES(datDJAlretOUTSAt97$rev.DJAlretOUTSAt97, p=0.975, method="modified")	DJALESNOt97<-ES(datDJAlretOUTSAt97$rev.DJAlretOUTSAt97, p=0.975, method="gaussian")	DJALESHIt97	DJALESMOt97	DJALESNOt97
DJALESMOt98<-ES(datDJAlretOUTSAt98$rev.DJAlretOUTSAt98, p=0.975, method="modified")	DJALESNOt98<-ES(datDJAlretOUTSAt98$rev.DJAlretOUTSAt98, p=0.975, method="gaussian")	DJALESHIt98	DJALESMOt98	DJALESNOt98
DJALESMOt99<-ES(datDJAlretOUTSAt99$rev.DJAlretOUTSAt99, p=0.975, method="modified")	DJALESNOt99<-ES(datDJAlretOUTSAt99$rev.DJAlretOUTSAt99, p=0.975, method="gaussian")	DJALESHIt99	DJALESMOt99	DJALESNOt99
DJALESMOt100<-ES(datDJAlretOUTSAt100$rev.DJAlretOUTSAt100, p=0.975, method="modified")	DJALESNOt100<-ES(datDJAlretOUTSAt100$rev.DJAlretOUTSAt100, p=0.975, method="gaussian")	DJALESHIt100	DJALESMOt100	DJALESNOt100
DJALESMOt101<-ES(datDJAlretOUTSAt101$rev.DJAlretOUTSAt101, p=0.975, method="modified")	DJALESNOt101<-ES(datDJAlretOUTSAt101$rev.DJAlretOUTSAt101, p=0.975, method="gaussian")	DJALESHIt101	DJALESMOt101	DJALESNOt101
DJALESMOt102<-ES(datDJAlretOUTSAt102$rev.DJAlretOUTSAt102, p=0.975, method="modified")	DJALESNOt102<-ES(datDJAlretOUTSAt102$rev.DJAlretOUTSAt102, p=0.975, method="gaussian")	DJALESHIt102	DJALESMOt102	DJALESNOt102
DJALESMOt103<-ES(datDJAlretOUTSAt103$rev.DJAlretOUTSAt103, p=0.975, method="modified")	DJALESNOt103<-ES(datDJAlretOUTSAt103$rev.DJAlretOUTSAt103, p=0.975, method="gaussian")	DJALESHIt103	DJALESMOt103	DJALESNOt103
DJALESMOt104<-ES(datDJAlretOUTSAt104$rev.DJAlretOUTSAt104, p=0.975, method="modified")	DJALESNOt104<-ES(datDJAlretOUTSAt104$rev.DJAlretOUTSAt104, p=0.975, method="gaussian")	DJALESHIt104	DJALESMOt104	DJALESNOt104
DJALESMOt105<-ES(datDJAlretOUTSAt105$rev.DJAlretOUTSAt105, p=0.975, method="modified")	DJALESNOt105<-ES(datDJAlretOUTSAt105$rev.DJAlretOUTSAt105, p=0.975, method="gaussian")	DJALESHIt105	DJALESMOt105	DJALESNOt105
DJALESMOt106<-ES(datDJAlretOUTSAt106$rev.DJAlretOUTSAt106, p=0.975, method="modified")	DJALESNOt106<-ES(datDJAlretOUTSAt106$rev.DJAlretOUTSAt106, p=0.975, method="gaussian")	DJALESHIt106	DJALESMOt106	DJALESNOt106
DJALESMOt107<-ES(datDJAlretOUTSAt107$rev.DJAlretOUTSAt107, p=0.975, method="modified")	DJALESNOt107<-ES(datDJAlretOUTSAt107$rev.DJAlretOUTSAt107, p=0.975, method="gaussian")	DJALESHIt107	DJALESMOt107	DJALESNOt107
DJALESMOt108<-ES(datDJAlretOUTSAt108$rev.DJAlretOUTSAt108, p=0.975, method="modified")	DJALESNOt108<-ES(datDJAlretOUTSAt108$rev.DJAlretOUTSAt108, p=0.975, method="gaussian")	DJALESHIt108	DJALESMOt108	DJALESNOt108
DJALESMOt109<-ES(datDJAlretOUTSAt109$rev.DJAlretOUTSAt109, p=0.975, method="modified")	DJALESNOt109<-ES(datDJAlretOUTSAt109$rev.DJAlretOUTSAt109, p=0.975, method="gaussian")	DJALESHIt109	DJALESMOt109	DJALESNOt109
DJALESMOt110<-ES(datDJAlretOUTSAt110$rev.DJAlretOUTSAt110, p=0.975, method="modified")	DJALESNOt110<-ES(datDJAlretOUTSAt110$rev.DJAlretOUTSAt110, p=0.975, method="gaussian")	DJALESHIt110	DJALESMOt110	DJALESNOt110
DJALESMOt111<-ES(datDJAlretOUTSAt111$rev.DJAlretOUTSAt111, p=0.975, method="modified")	DJALESNOt111<-ES(datDJAlretOUTSAt111$rev.DJAlretOUTSAt111, p=0.975, method="gaussian")	DJALESHIt111	DJALESMOt111	DJALESNOt111
DJALESMOt112<-ES(datDJAlretOUTSAt112$rev.DJAlretOUTSAt112, p=0.975, method="modified")	DJALESNOt112<-ES(datDJAlretOUTSAt112$rev.DJAlretOUTSAt112, p=0.975, method="gaussian")	DJALESHIt112	DJALESMOt112	DJALESNOt112
DJALESMOt113<-ES(datDJAlretOUTSAt113$rev.DJAlretOUTSAt113, p=0.975, method="modified")	DJALESNOt113<-ES(datDJAlretOUTSAt113$rev.DJAlretOUTSAt113, p=0.975, method="gaussian")	DJALESHIt113	DJALESMOt113	DJALESNOt113
DJALESMOt114<-ES(datDJAlretOUTSAt114$rev.DJAlretOUTSAt114, p=0.975, method="modified")	DJALESNOt114<-ES(datDJAlretOUTSAt114$rev.DJAlretOUTSAt114, p=0.975, method="gaussian")	DJALESHIt114	DJALESMOt114	DJALESNOt114
DJALESMOt115<-ES(datDJAlretOUTSAt115$rev.DJAlretOUTSAt115, p=0.975, method="modified")	DJALESNOt115<-ES(datDJAlretOUTSAt115$rev.DJAlretOUTSAt115, p=0.975, method="gaussian")	DJALESHIt115	DJALESMOt115	DJALESNOt115
DJALESMOt116<-ES(datDJAlretOUTSAt116$rev.DJAlretOUTSAt116, p=0.975, method="modified")	DJALESNOt116<-ES(datDJAlretOUTSAt116$rev.DJAlretOUTSAt116, p=0.975, method="gaussian")	DJALESHIt116	DJALESMOt116	DJALESNOt116
DJALESMOt117<-ES(datDJAlretOUTSAt117$rev.DJAlretOUTSAt117, p=0.975, method="modified")	DJALESNOt117<-ES(datDJAlretOUTSAt117$rev.DJAlretOUTSAt117, p=0.975, method="gaussian")	DJALESHIt117	DJALESMOt117	DJALESNOt117
DJALESMOt118<-ES(datDJAlretOUTSAt118$rev.DJAlretOUTSAt118, p=0.975, method="modified")	DJALESNOt118<-ES(datDJAlretOUTSAt118$rev.DJAlretOUTSAt118, p=0.975, method="gaussian")	DJALESHIt118	DJALESMOt118	DJALESNOt118
DJALESMOt119<-ES(datDJAlretOUTSAt119$rev.DJAlretOUTSAt119, p=0.975, method="modified")	DJALESNOt119<-ES(datDJAlretOUTSAt119$rev.DJAlretOUTSAt119, p=0.975, method="gaussian")	DJALESHIt119	DJALESMOt119	DJALESNOt119
DJALESMOt120<-ES(datDJAlretOUTSAt120$rev.DJAlretOUTSAt120, p=0.975, method="modified")	DJALESNOt120<-ES(datDJAlretOUTSAt120$rev.DJAlretOUTSAt120, p=0.975, method="gaussian")	DJALESHIt120	DJALESMOt120	DJALESNOt120
DJALESMOt121<-ES(datDJAlretOUTSAt121$rev.DJAlretOUTSAt121, p=0.975, method="modified")	DJALESNOt121<-ES(datDJAlretOUTSAt121$rev.DJAlretOUTSAt121, p=0.975, method="gaussian")	DJALESHIt121	DJALESMOt121	DJALESNOt121
DJALESMOt122<-ES(datDJAlretOUTSAt122$rev.DJAlretOUTSAt122, p=0.975, method="modified")	DJALESNOt122<-ES(datDJAlretOUTSAt122$rev.DJAlretOUTSAt122, p=0.975, method="gaussian")	DJALESHIt122	DJALESMOt122	DJALESNOt122
DJALESMOt123<-ES(datDJAlretOUTSAt123$rev.DJAlretOUTSAt123, p=0.975, method="modified")	DJALESNOt123<-ES(datDJAlretOUTSAt123$rev.DJAlretOUTSAt123, p=0.975, method="gaussian")	DJALESHIt123	DJALESMOt123	DJALESNOt123
DJALESMOt124<-ES(datDJAlretOUTSAt124$rev.DJAlretOUTSAt124, p=0.975, method="modified")	DJALESNOt124<-ES(datDJAlretOUTSAt124$rev.DJAlretOUTSAt124, p=0.975, method="gaussian")	DJALESHIt124	DJALESMOt124	DJALESNOt124
DJALESMOt125<-ES(datDJAlretOUTSAt125$rev.DJAlretOUTSAt125, p=0.975, method="modified")	DJALESNOt125<-ES(datDJAlretOUTSAt125$rev.DJAlretOUTSAt125, p=0.975, method="gaussian")	DJALESHIt125	DJALESMOt125	DJALESNOt125
DJALESMOt126<-ES(datDJAlretOUTSAt126$rev.DJAlretOUTSAt126, p=0.975, method="modified")	DJALESNOt126<-ES(datDJAlretOUTSAt126$rev.DJAlretOUTSAt126, p=0.975, method="gaussian")	DJALESHIt126	DJALESMOt126	DJALESNOt126
DJALESMOt127<-ES(datDJAlretOUTSAt127$rev.DJAlretOUTSAt127, p=0.975, method="modified")	DJALESNOt127<-ES(datDJAlretOUTSAt127$rev.DJAlretOUTSAt127, p=0.975, method="gaussian")	DJALESHIt127	DJALESMOt127	DJALESNOt127
DJALESMOt128<-ES(datDJAlretOUTSAt128$rev.DJAlretOUTSAt128, p=0.975, method="modified")	DJALESNOt128<-ES(datDJAlretOUTSAt128$rev.DJAlretOUTSAt128, p=0.975, method="gaussian")	DJALESHIt128	DJALESMOt128	DJALESNOt128
DJALESMOt129<-ES(datDJAlretOUTSAt129$rev.DJAlretOUTSAt129, p=0.975, method="modified")	DJALESNOt129<-ES(datDJAlretOUTSAt129$rev.DJAlretOUTSAt129, p=0.975, method="gaussian")	DJALESHIt129	DJALESMOt129	DJALESNOt129
DJALESMOt130<-ES(datDJAlretOUTSAt130$rev.DJAlretOUTSAt130, p=0.975, method="modified")	DJALESNOt130<-ES(datDJAlretOUTSAt130$rev.DJAlretOUTSAt130, p=0.975, method="gaussian")	DJALESHIt130	DJALESMOt130	DJALESNOt130
DJALESMOt131<-ES(datDJAlretOUTSAt131$rev.DJAlretOUTSAt131, p=0.975, method="modified")	DJALESNOt131<-ES(datDJAlretOUTSAt131$rev.DJAlretOUTSAt131, p=0.975, method="gaussian")	DJALESHIt131	DJALESMOt131	DJALESNOt131
DJALESMOt132<-ES(datDJAlretOUTSAt132$rev.DJAlretOUTSAt132, p=0.975, method="modified")	DJALESNOt132<-ES(datDJAlretOUTSAt132$rev.DJAlretOUTSAt132, p=0.975, method="gaussian")	DJALESHIt132	DJALESMOt132	DJALESNOt132
DJALESMOt133<-ES(datDJAlretOUTSAt133$rev.DJAlretOUTSAt133, p=0.975, method="modified")	DJALESNOt133<-ES(datDJAlretOUTSAt133$rev.DJAlretOUTSAt133, p=0.975, method="gaussian")	DJALESHIt133	DJALESMOt133	DJALESNOt133
DJALESMOt134<-ES(datDJAlretOUTSAt134$rev.DJAlretOUTSAt134, p=0.975, method="modified")	DJALESNOt134<-ES(datDJAlretOUTSAt134$rev.DJAlretOUTSAt134, p=0.975, method="gaussian")	DJALESHIt134	DJALESMOt134	DJALESNOt134
DJALESMOt135<-ES(datDJAlretOUTSAt135$rev.DJAlretOUTSAt135, p=0.975, method="modified")	DJALESNOt135<-ES(datDJAlretOUTSAt135$rev.DJAlretOUTSAt135, p=0.975, method="gaussian")	DJALESHIt135	DJALESMOt135	DJALESNOt135
DJALESMOt136<-ES(datDJAlretOUTSAt136$rev.DJAlretOUTSAt136, p=0.975, method="modified")	DJALESNOt136<-ES(datDJAlretOUTSAt136$rev.DJAlretOUTSAt136, p=0.975, method="gaussian")	DJALESHIt136	DJALESMOt136	DJALESNOt136
DJALESMOt137<-ES(datDJAlretOUTSAt137$rev.DJAlretOUTSAt137, p=0.975, method="modified")	DJALESNOt137<-ES(datDJAlretOUTSAt137$rev.DJAlretOUTSAt137, p=0.975, method="gaussian")	DJALESHIt137	DJALESMOt137	DJALESNOt137
DJALESMOt138<-ES(datDJAlretOUTSAt138$rev.DJAlretOUTSAt138, p=0.975, method="modified")	DJALESNOt138<-ES(datDJAlretOUTSAt138$rev.DJAlretOUTSAt138, p=0.975, method="gaussian")	DJALESHIt138	DJALESMOt138	DJALESNOt138
DJALESMOt139<-ES(datDJAlretOUTSAt139$rev.DJAlretOUTSAt139, p=0.975, method="modified")	DJALESNOt139<-ES(datDJAlretOUTSAt139$rev.DJAlretOUTSAt139, p=0.975, method="gaussian")	DJALESHIt139	DJALESMOt139	DJALESNOt139
DJALESMOt140<-ES(datDJAlretOUTSAt140$rev.DJAlretOUTSAt140, p=0.975, method="modified")	DJALESNOt140<-ES(datDJAlretOUTSAt140$rev.DJAlretOUTSAt140, p=0.975, method="gaussian")	DJALESHIt140	DJALESMOt140	DJALESNOt140
DJALESMOt141<-ES(datDJAlretOUTSAt141$rev.DJAlretOUTSAt141, p=0.975, method="modified")	DJALESNOt141<-ES(datDJAlretOUTSAt141$rev.DJAlretOUTSAt141, p=0.975, method="gaussian")	DJALESHIt141	DJALESMOt141	DJALESNOt141
DJALESMOt142<-ES(datDJAlretOUTSAt142$rev.DJAlretOUTSAt142, p=0.975, method="modified")	DJALESNOt142<-ES(datDJAlretOUTSAt142$rev.DJAlretOUTSAt142, p=0.975, method="gaussian")	DJALESHIt142	DJALESMOt142	DJALESNOt142
DJALESMOt143<-ES(datDJAlretOUTSAt143$rev.DJAlretOUTSAt143, p=0.975, method="modified")	DJALESNOt143<-ES(datDJAlretOUTSAt143$rev.DJAlretOUTSAt143, p=0.975, method="gaussian")	DJALESHIt143	DJALESMOt143	DJALESNOt143
DJALESMOt144<-ES(datDJAlretOUTSAt144$rev.DJAlretOUTSAt144, p=0.975, method="modified")	DJALESNOt144<-ES(datDJAlretOUTSAt144$rev.DJAlretOUTSAt144, p=0.975, method="gaussian")	DJALESHIt144	DJALESMOt144	DJALESNOt144
DJALESMOt145<-ES(datDJAlretOUTSAt145$rev.DJAlretOUTSAt145, p=0.975, method="modified")	DJALESNOt145<-ES(datDJAlretOUTSAt145$rev.DJAlretOUTSAt145, p=0.975, method="gaussian")	DJALESHIt145	DJALESMOt145	DJALESNOt145
DJALESMOt146<-ES(datDJAlretOUTSAt146$rev.DJAlretOUTSAt146, p=0.975, method="modified")	DJALESNOt146<-ES(datDJAlretOUTSAt146$rev.DJAlretOUTSAt146, p=0.975, method="gaussian")	DJALESHIt146	DJALESMOt146	DJALESNOt146
DJALESMOt147<-ES(datDJAlretOUTSAt147$rev.DJAlretOUTSAt147, p=0.975, method="modified")	DJALESNOt147<-ES(datDJAlretOUTSAt147$rev.DJAlretOUTSAt147, p=0.975, method="gaussian")	DJALESHIt147	DJALESMOt147	DJALESNOt147
DJALESMOt148<-ES(datDJAlretOUTSAt148$rev.DJAlretOUTSAt148, p=0.975, method="modified")	DJALESNOt148<-ES(datDJAlretOUTSAt148$rev.DJAlretOUTSAt148, p=0.975, method="gaussian")	DJALESHIt148	DJALESMOt148	DJALESNOt148
DJALESMOt149<-ES(datDJAlretOUTSAt149$rev.DJAlretOUTSAt149, p=0.975, method="modified")	DJALESNOt149<-ES(datDJAlretOUTSAt149$rev.DJAlretOUTSAt149, p=0.975, method="gaussian")	DJALESHIt149	DJALESMOt149	DJALESNOt149
DJALESMOt150<-ES(datDJAlretOUTSAt150$rev.DJAlretOUTSAt150, p=0.975, method="modified")	DJALESNOt150<-ES(datDJAlretOUTSAt150$rev.DJAlretOUTSAt150, p=0.975, method="gaussian")	DJALESHIt150	DJALESMOt150	DJALESNOt150
DJALESMOt151<-ES(datDJAlretOUTSAt151$rev.DJAlretOUTSAt151, p=0.975, method="modified")	DJALESNOt151<-ES(datDJAlretOUTSAt151$rev.DJAlretOUTSAt151, p=0.975, method="gaussian")	DJALESHIt151	DJALESMOt151	DJALESNOt151
DJALESMOt152<-ES(datDJAlretOUTSAt152$rev.DJAlretOUTSAt152, p=0.975, method="modified")	DJALESNOt152<-ES(datDJAlretOUTSAt152$rev.DJAlretOUTSAt152, p=0.975, method="gaussian")	DJALESHIt152	DJALESMOt152	DJALESNOt152
DJALESMOt153<-ES(datDJAlretOUTSAt153$rev.DJAlretOUTSAt153, p=0.975, method="modified")	DJALESNOt153<-ES(datDJAlretOUTSAt153$rev.DJAlretOUTSAt153, p=0.975, method="gaussian")	DJALESHIt153	DJALESMOt153	DJALESNOt153
DJALESMOt154<-ES(datDJAlretOUTSAt154$rev.DJAlretOUTSAt154, p=0.975, method="modified")	DJALESNOt154<-ES(datDJAlretOUTSAt154$rev.DJAlretOUTSAt154, p=0.975, method="gaussian")	DJALESHIt154	DJALESMOt154	DJALESNOt154
DJALESMOt155<-ES(datDJAlretOUTSAt155$rev.DJAlretOUTSAt155, p=0.975, method="modified")	DJALESNOt155<-ES(datDJAlretOUTSAt155$rev.DJAlretOUTSAt155, p=0.975, method="gaussian")	DJALESHIt155	DJALESMOt155	DJALESNOt155
DJALESMOt156<-ES(datDJAlretOUTSAt156$rev.DJAlretOUTSAt156, p=0.975, method="modified")	DJALESNOt156<-ES(datDJAlretOUTSAt156$rev.DJAlretOUTSAt156, p=0.975, method="gaussian")	DJALESHIt156	DJALESMOt156	DJALESNOt156
DJALESMOt157<-ES(datDJAlretOUTSAt157$rev.DJAlretOUTSAt157, p=0.975, method="modified")	DJALESNOt157<-ES(datDJAlretOUTSAt157$rev.DJAlretOUTSAt157, p=0.975, method="gaussian")	DJALESHIt157	DJALESMOt157	DJALESNOt157
DJALESMOt158<-ES(datDJAlretOUTSAt158$rev.DJAlretOUTSAt158, p=0.975, method="modified")	DJALESNOt158<-ES(datDJAlretOUTSAt158$rev.DJAlretOUTSAt158, p=0.975, method="gaussian")	DJALESHIt158	DJALESMOt158	DJALESNOt158
DJALESMOt159<-ES(datDJAlretOUTSAt159$rev.DJAlretOUTSAt159, p=0.975, method="modified")	DJALESNOt159<-ES(datDJAlretOUTSAt159$rev.DJAlretOUTSAt159, p=0.975, method="gaussian")	DJALESHIt159	DJALESMOt159	DJALESNOt159
DJALESMOt160<-ES(datDJAlretOUTSAt160$rev.DJAlretOUTSAt160, p=0.975, method="modified")	DJALESNOt160<-ES(datDJAlretOUTSAt160$rev.DJAlretOUTSAt160, p=0.975, method="gaussian")	DJALESHIt160	DJALESMOt160	DJALESNOt160
DJALESMOt161<-ES(datDJAlretOUTSAt161$rev.DJAlretOUTSAt161, p=0.975, method="modified")	DJALESNOt161<-ES(datDJAlretOUTSAt161$rev.DJAlretOUTSAt161, p=0.975, method="gaussian")	DJALESHIt161	DJALESMOt161	DJALESNOt161
DJALESMOt162<-ES(datDJAlretOUTSAt162$rev.DJAlretOUTSAt162, p=0.975, method="modified")	DJALESNOt162<-ES(datDJAlretOUTSAt162$rev.DJAlretOUTSAt162, p=0.975, method="gaussian")	DJALESHIt162	DJALESMOt162	DJALESNOt162
DJALESMOt163<-ES(datDJAlretOUTSAt163$rev.DJAlretOUTSAt163, p=0.975, method="modified")	DJALESNOt163<-ES(datDJAlretOUTSAt163$rev.DJAlretOUTSAt163, p=0.975, method="gaussian")	DJALESHIt163	DJALESMOt163	DJALESNOt163
DJALESMOt164<-ES(datDJAlretOUTSAt164$rev.DJAlretOUTSAt164, p=0.975, method="modified")	DJALESNOt164<-ES(datDJAlretOUTSAt164$rev.DJAlretOUTSAt164, p=0.975, method="gaussian")	DJALESHIt164	DJALESMOt164	DJALESNOt164
DJALESMOt165<-ES(datDJAlretOUTSAt165$rev.DJAlretOUTSAt165, p=0.975, method="modified")	DJALESNOt165<-ES(datDJAlretOUTSAt165$rev.DJAlretOUTSAt165, p=0.975, method="gaussian")	DJALESHIt165	DJALESMOt165	DJALESNOt165
DJALESMOt166<-ES(datDJAlretOUTSAt166$rev.DJAlretOUTSAt166, p=0.975, method="modified")	DJALESNOt166<-ES(datDJAlretOUTSAt166$rev.DJAlretOUTSAt166, p=0.975, method="gaussian")	DJALESHIt166	DJALESMOt166	DJALESNOt166
DJALESMOt167<-ES(datDJAlretOUTSAt167$rev.DJAlretOUTSAt167, p=0.975, method="modified")	DJALESNOt167<-ES(datDJAlretOUTSAt167$rev.DJAlretOUTSAt167, p=0.975, method="gaussian")	DJALESHIt167	DJALESMOt167	DJALESNOt167
DJALESMOt168<-ES(datDJAlretOUTSAt168$rev.DJAlretOUTSAt168, p=0.975, method="modified")	DJALESNOt168<-ES(datDJAlretOUTSAt168$rev.DJAlretOUTSAt168, p=0.975, method="gaussian")	DJALESHIt168	DJALESMOt168	DJALESNOt168
DJALESMOt169<-ES(datDJAlretOUTSAt169$rev.DJAlretOUTSAt169, p=0.975, method="modified")	DJALESNOt169<-ES(datDJAlretOUTSAt169$rev.DJAlretOUTSAt169, p=0.975, method="gaussian")	DJALESHIt169	DJALESMOt169	DJALESNOt169
DJALESMOt170<-ES(datDJAlretOUTSAt170$rev.DJAlretOUTSAt170, p=0.975, method="modified")	DJALESNOt170<-ES(datDJAlretOUTSAt170$rev.DJAlretOUTSAt170, p=0.975, method="gaussian")	DJALESHIt170	DJALESMOt170	DJALESNOt170
DJALESMOt171<-ES(datDJAlretOUTSAt171$rev.DJAlretOUTSAt171, p=0.975, method="modified")	DJALESNOt171<-ES(datDJAlretOUTSAt171$rev.DJAlretOUTSAt171, p=0.975, method="gaussian")	DJALESHIt171	DJALESMOt171	DJALESNOt171
DJALESMOt172<-ES(datDJAlretOUTSAt172$rev.DJAlretOUTSAt172, p=0.975, method="modified")	DJALESNOt172<-ES(datDJAlretOUTSAt172$rev.DJAlretOUTSAt172, p=0.975, method="gaussian")	DJALESHIt172	DJALESMOt172	DJALESNOt172
DJALESMOt173<-ES(datDJAlretOUTSAt173$rev.DJAlretOUTSAt173, p=0.975, method="modified")	DJALESNOt173<-ES(datDJAlretOUTSAt173$rev.DJAlretOUTSAt173, p=0.975, method="gaussian")	DJALESHIt173	DJALESMOt173	DJALESNOt173
DJALESMOt174<-ES(datDJAlretOUTSAt174$rev.DJAlretOUTSAt174, p=0.975, method="modified")	DJALESNOt174<-ES(datDJAlretOUTSAt174$rev.DJAlretOUTSAt174, p=0.975, method="gaussian")	DJALESHIt174	DJALESMOt174	DJALESNOt174
DJALESMOt175<-ES(datDJAlretOUTSAt175$rev.DJAlretOUTSAt175, p=0.975, method="modified")	DJALESNOt175<-ES(datDJAlretOUTSAt175$rev.DJAlretOUTSAt175, p=0.975, method="gaussian")	DJALESHIt175	DJALESMOt175	DJALESNOt175
DJALESMOt176<-ES(datDJAlretOUTSAt176$rev.DJAlretOUTSAt176, p=0.975, method="modified")	DJALESNOt176<-ES(datDJAlretOUTSAt176$rev.DJAlretOUTSAt176, p=0.975, method="gaussian")	DJALESHIt176	DJALESMOt176	DJALESNOt176
DJALESMOt177<-ES(datDJAlretOUTSAt177$rev.DJAlretOUTSAt177, p=0.975, method="modified")	DJALESNOt177<-ES(datDJAlretOUTSAt177$rev.DJAlretOUTSAt177, p=0.975, method="gaussian")	DJALESHIt177	DJALESMOt177	DJALESNOt177
DJALESMOt178<-ES(datDJAlretOUTSAt178$rev.DJAlretOUTSAt178, p=0.975, method="modified")	DJALESNOt178<-ES(datDJAlretOUTSAt178$rev.DJAlretOUTSAt178, p=0.975, method="gaussian")	DJALESHIt178	DJALESMOt178	DJALESNOt178
DJALESMOt179<-ES(datDJAlretOUTSAt179$rev.DJAlretOUTSAt179, p=0.975, method="modified")	DJALESNOt179<-ES(datDJAlretOUTSAt179$rev.DJAlretOUTSAt179, p=0.975, method="gaussian")	DJALESHIt179	DJALESMOt179	DJALESNOt179
DJALESMOt180<-ES(datDJAlretOUTSAt180$rev.DJAlretOUTSAt180, p=0.975, method="modified")	DJALESNOt180<-ES(datDJAlretOUTSAt180$rev.DJAlretOUTSAt180, p=0.975, method="gaussian")	DJALESHIt180	DJALESMOt180	DJALESNOt180
DJALESMOt181<-ES(datDJAlretOUTSAt181$rev.DJAlretOUTSAt181, p=0.975, method="modified")	DJALESNOt181<-ES(datDJAlretOUTSAt181$rev.DJAlretOUTSAt181, p=0.975, method="gaussian")	DJALESHIt181	DJALESMOt181	DJALESNOt181
DJCCESMOt1<-ES(datDJCCretOUTSAt1$rev.DJCCretOUTSAt1, p=0.975, method="modified")	DJCCESNOt1<-ES(datDJCCretOUTSAt1$rev.DJCCretOUTSAt1, p=0.975, method="gaussian")	DJCCESHIt1	DJCCESMOt1	DJCCESNOt1
DJCCESMOt2<-ES(datDJCCretOUTSAt2$rev.DJCCretOUTSAt2, p=0.975, method="modified")	DJCCESNOt2<-ES(datDJCCretOUTSAt2$rev.DJCCretOUTSAt2, p=0.975, method="g

DJCCESMOt19<-ES(datDJCCretOUTSAt19$rev.DJCCretOUTSAt19, p=0.975, method="modified")	DJCCESNOt19<-ES(datDJCCretOUTSAt19$rev.DJCCretOUTSAt19, p=0.975, method="gaussian")	DJCCESHIt19	DJCCESMOt19	DJCCESNOt19
DJCCESMOt20<-ES(datDJCCretOUTSAt20$rev.DJCCretOUTSAt20, p=0.975, method="modified")	DJCCESNOt20<-ES(datDJCCretOUTSAt20$rev.DJCCretOUTSAt20, p=0.975, method="gaussian")	DJCCESHIt20	DJCCESMOt20	DJCCESNOt20
DJCCESMOt21<-ES(datDJCCretOUTSAt21$rev.DJCCretOUTSAt21, p=0.975, method="modified")	DJCCESNOt21<-ES(datDJCCretOUTSAt21$rev.DJCCretOUTSAt21, p=0.975, method="gaussian")	DJCCESHIt21	DJCCESMOt21	DJCCESNOt21

DJCCESMOt148<-ES(datDJCCretOUTSAt148$rev.DJCCretOUTSAt148, p=0.975, method="modified")	DJCCESNOt148<-ES(datDJCCretOUTSAt148$rev.DJCCretOUTSAt148, p=0.975, method="gaussian")	DJCCESHIt148	DJCCESMDt148	DJCCESNDt148
DJCCESMOt149<-ES(datDJCCretOUTSAt149$rev.DJCCretOUTSAt149, p=0.975, method="modified")	DJCCESNOt149<-ES(datDJCCretOUTSAt149$rev.DJCCretOUTSAt149, p=0.975, method="gaussian")	DJCCESHIt149	DJCCESMDt149	DJCCESNDt149
DJCCESMOt150<-ES(datDJCCretOUTSAt150$rev.DJCCretOUTSAt150, p=0.975, method="modified")	DJCCESNOt150<-ES(datDJCCretOUTSAt150$rev.DJCCretOUTSAt150, p=0.975, method="gaussian")	DJCCESHIt150	DJCCESMDt150	DJCCESNDt150
DJCCESMOt151<-ES(datDJCCretOUTSAt151$rev.DJCCretOUTSAt151, p=0.975, method="modified")	DJCCESNOt151<-ES(datDJCCretOUTSAt151$rev.DJCCretOUTSAt151, p=0.975, method="gaussian")	DJCCESHIt151	DJCCESMDt151	DJCCESNDt151
DJCCESMOt152<-ES(datDJCCretOUTSAt152$rev.DJCCretOUTSAt152, p=0.975, method="modified")	DJCCESNOt152<-ES(datDJCCretOUTSAt152$rev.DJCCretOUTSAt152, p=0.975, method="gaussian")	DJCCESHIt152	DJCCESMDt152	DJCCESNDt152
DJCCESMOt153<-ES(datDJCCretOUTSAt153$rev.DJCCretOUTSAt153, p=0.975, method="modified")	DJCCESNOt153<-ES(datDJCCretOUTSAt153$rev.DJCCretOUTSAt153, p=0.975, method="gaussian")	DJCCESHIt153	DJCCESMDt153	DJCCESNDt153
DJCCESMOt154<-ES(datDJCCretOUTSAt154$rev.DJCCretOUTSAt154, p=0.975, method="modified")	DJCCESNOt154<-ES(datDJCCretOUTSAt154$rev.DJCCretOUTSAt154, p=0.975, method="gaussian")	DJCCESHIt154	DJCCESMDt154	DJCCESNDt154
DJCCESMOt155<-ES(datDJCCretOUTSAt155$rev.DJCCretOUTSAt155, p=0.975, method="modified")	DJCCESNOt155<-ES(datDJCCretOUTSAt155$rev.DJCCretOUTSAt155, p=0.975, method="gaussian")	DJCCESHIt155	DJCCESMDt155	DJCCESNDt155
DJCCESMOt156<-ES(datDJCCretOUTSAt156$rev.DJCCretOUTSAt156, p=0.975, method="modified")	DJCCESNOt156<-ES(datDJCCretOUTSAt156$rev.DJCCretOUTSAt156, p=0.975, method="gaussian")	DJCCESHIt156	DJCCESMDt156	DJCCESNDt156
DJCCESMOt157<-ES(datDJCCretOUTSAt157$rev.DJCCretOUTSAt157, p=0.975, method="modified")	DJCCESNOt157<-ES(datDJCCretOUTSAt157$rev.DJCCretOUTSAt157, p=0.975, method="gaussian")	DJCCESHIt157	DJCCESMDt157	DJCCESNDt157
DJCCESMOt158<-ES(datDJCCretOUTSAt158$rev.DJCCretOUTSAt158, p=0.975, method="modified")	DJCCESNOt158<-ES(datDJCCretOUTSAt158$rev.DJCCretOUTSAt158, p=0.975, method="gaussian")	DJCCESHIt158	DJCCESMDt158	DJCCESNDt158
DJCCESMOt159<-ES(datDJCCretOUTSAt159$rev.DJCCretOUTSAt159, p=0.975, method="modified")	DJCCESNOt159<-ES(datDJCCretOUTSAt159$rev.DJCCretOUTSAt159, p=0.975, method="gaussian")	DJCCESHIt159	DJCCESMDt159	DJCCESNDt159
DJCCESMOt160<-ES(datDJCCretOUTSAt160$rev.DJCCretOUTSAt160, p=0.975, method="modified")	DJCCESNOt160<-ES(datDJCCretOUTSAt160$rev.DJCCretOUTSAt160, p=0.975, method="gaussian")	DJCCESHIt160	DJCCESMDt160	DJCCESNDt160
DJCCESMOt161<-ES(datDJCCretOUTSAt161$rev.DJCCretOUTSAt161, p=0.975, method="modified")	DJCCESNOt161<-ES(datDJCCretOUTSAt161$rev.DJCCretOUTSAt161, p=0.975, method="gaussian")	DJCCESHIt161	DJCCESMDt161	DJCCESNDt161
DJCCESMOt162<-ES(datDJCCretOUTSAt162$rev.DJCCretOUTSAt162, p=0.975, method="modified")	DJCCESNOt162<-ES(datDJCCretOUTSAt162$rev.DJCCretOUTSAt162, p=0.975, method="gaussian")	DJCCESHIt162	DJCCESMDt162	DJCCESNDt162
DJCCESMOt163<-ES(datDJCCretOUTSAt163$rev.DJCCretOUTSAt163, p=0.975, method="modified")	DJCCESNOt163<-ES(datDJCCretOUTSAt163$rev.DJCCretOUTSAt163, p=0.975, method="gaussian")	DJCCESHIt163	DJCCESMDt163	DJCCESNDt163
DJCCESMOt164<-ES(datDJCCretOUTSAt164$rev.DJCCretOUTSAt164, p=0.975, method="modified")	DJCCESNOt164<-ES(datDJCCretOUTSAt164$rev.DJCCretOUTSAt164, p=0.975, method="gaussian")	DJCCESHIt164	DJCCESMDt164	DJCCESNDt164
DJCCESMOt165<-ES(datDJCCretOUTSAt165$rev.DJCCretOUTSAt165, p=0.975, method="modified")	DJCCESNOt165<-ES(datDJCCretOUTSAt165$rev.DJCCretOUTSAt165, p=0.975, method="gaussian")	DJCCESHIt165	DJCCESMDt165	DJCCESNDt165
DJCCESMOt166<-ES(datDJCCretOUTSAt166$rev.DJCCretOUTSAt166, p=0.975, method="modified")	DJCCESNOt166<-ES(datDJCCretOUTSAt166$rev.DJCCretOUTSAt166, p=0.975, method="gaussian")	DJCCESHIt166	DJCCESMDt166	DJCCESNDt166
DJCCESMOt167<-ES(datDJCCretOUTSAt167$rev.DJCCretOUTSAt167, p=0.975, method="modified")	DJCCESNOt167<-ES(datDJCCretOUTSAt167$rev.DJCCretOUTSAt167, p=0.975, method="gaussian")	DJCCESHIt167	DJCCESMDt167	DJCCESNDt167
DJCCESMOt168<-ES(datDJCCretOUTSAt168$rev.DJCCretOUTSAt168, p=0.975, method="modified")	DJCCESNOt168<-ES(datDJCCretOUTSAt168$rev.DJCCretOUTSAt168, p=0.975, method="gaussian")	DJCCESHIt168	DJCCESMDt168	DJCCESNDt168
DJCCESMOt169<-ES(datDJCCretOUTSAt169$rev.DJCCretOUTSAt169, p=0.975, method="modified")	DJCCESNOt169<-ES(datDJCCretOUTSAt169$rev.DJCCretOUTSAt169, p=0.975, method="gaussian")	DJCCESHIt169	DJCCESMDt169	DJCCESNDt169
DJCCESMOt170<-ES(datDJCCretOUTSAt170$rev.DJCCretOUTSAt170, p=0.975, method="modified")	DJCCESNOt170<-ES(datDJCCretOUTSAt170$rev.DJCCretOUTSAt170, p=0.975, method="gaussian")	DJCCESHIt170	DJCCESMDt170	DJCCESNDt170
DJCCESMOt171<-ES(datDJCCretOUTSAt171$rev.DJCCretOUTSAt171, p=0.975, method="modified")	DJCCESNOt171<-ES(datDJCCretOUTSAt171$rev.DJCCretOUTSAt171, p=0.975, method="gaussian")	DJCCESHIt171	DJCCESMDt171	DJCCESNDt171
DJCCESMOt172<-ES(datDJCCretOUTSAt172$rev.DJCCretOUTSAt172, p=0.975, method="modified")	DJCCESNOt172<-ES(datDJCCretOUTSAt172$rev.DJCCretOUTSAt172, p=0.975, method="gaussian")	DJCCESHIt172	DJCCESMDt172	DJCCESNDt172
DJCCESMOt173<-ES(datDJCCretOUTSAt173$rev.DJCCretOUTSAt173, p=0.975, method="modified")	DJCCESNOt173<-ES(datDJCCretOUTSAt173$rev.DJCCretOUTSAt173, p=0.975, method="gaussian")	DJCCESHIt173	DJCCESMDt173	DJCCESNDt173
DJCCESMOt174<-ES(datDJCCretOUTSAt174$rev.DJCCretOUTSAt174, p=0.975, method="modified")	DJCCESNOt174<-ES(datDJCCretOUTSAt174$rev.DJCCretOUTSAt174, p=0.975, method="gaussian")	DJCCESHIt174	DJCCESMDt174	DJCCESNDt174
DJCCESMOt175<-ES(datDJCCretOUTSAt175$rev.DJCCretOUTSAt175, p=0.975, method="modified")	DJCCESNOt175<-ES(datDJCCretOUTSAt175$rev.DJCCretOUTSAt175, p=0.975, method="gaussian")	DJCCESHIt175	DJCCESMDt175	DJCCESNDt175
DJCCESMOt176<-ES(datDJCCretOUTSAt176$rev.DJCCretOUTSAt176, p=0.975, method="modified")	DJCCESNOt176<-ES(datDJCCretOUTSAt176$rev.DJCCretOUTSAt176, p=0.975, method="gaussian")	DJCCESHIt176	DJCCESMDt176	DJCCESNDt176
DJCCESMOt177<-ES(datDJCCretOUTSAt177$rev.DJCCretOUTSAt177, p=0.975, method="modified")	DJCCESNOt177<-ES(datDJCCretOUTSAt177$rev.DJCCretOUTSAt177, p=0.975, method="gaussian")	DJCCESHIt177	DJCCESMDt177	DJCCESNDt177
DJCCESMOt178<-ES(datDJCCretOUTSAt178$rev.DJCCretOUTSAt178, p=0.975, method="modified")	DJCCESNOt178<-ES(datDJCCretOUTSAt178$rev.DJCCretOUTSAt178, p=0.975, method="gaussian")	DJCCESHIt178	DJCCESMDt178	DJCCESNDt178
DJCCESMOt179<-ES(datDJCCretOUTSAt179$rev.DJCCretOUTSAt179, p=0.975, method="modified")	DJCCESNOt179<-ES(datDJCCretOUTSAt179$rev.DJCCretOUTSAt179, p=0.975, method="gaussian")	DJCCESHIt179	DJCCESMDt179	DJCCESNDt179
DJCCESMOt180<-ES(datDJCCretOUTSAt180$rev.DJCCretOUTSAt180, p=0.975, method="modified")	DJCCESNOt180<-ES(datDJCCretOUTSAt180$rev.DJCCretOUTSAt180, p=0.975, method="gaussian")	DJCCESHIt180	DJCCESMDt180	DJCCESNDt180
DJCCESMOt181<-ES(datDJCCretOUTSAt181$rev.DJCCretOUTSAt181, p=0.975, method="modified")	DJCCESNOt181<-ES(datDJCCretOUTSAt181$rev.DJCCretOUTSAt181, p=0.975, method="gaussian")	DJCCESHIt181	DJCCESMDt181	DJCCESNDt181
DJCFESMOt1<-ES(datDJCFretOUTSAt1$rev.DJCFretOUTSAt1, p=0.975, method="modified")	DJCFESNOt1<-ES(datDJCFretOUTSAt1$rev.DJCFretOUTSAt1, p=0.975, method="gaussian")	DJCFESHIt1	DJCFESMDt1	DJCFESNDt1
DJCFESMOt2<-ES(datDJCFretOUTSAt2$rev.DJCFretOUTSAt2, p=0.975, method="modified")	DJCFESNOt2<-ES(datDJCFretOUTSAt2$rev.DJCFretOUTSAt2, p=0.975, method="gaussian")	DJCFESHIt2	DJCFESMDt2	DJCFESNDt2
DJCFESMOt3<-ES(datDJCFretOUTSAt3$rev.DJCFretOUTSAt3, p=0.975, method="modified")	DJCFESNOt3<-ES(datDJCFretOUTSAt3$rev.DJCFretOUTSAt3, p=0.975, method="gaussian")	DJCFESHIt3	DJCFESMDt3	DJCFESNDt3

DJCFESMDt94<-ES(datDJCFretOUTSAt94$rev.DJCFretOUTSAt94, p=0.975, method="modified")	DJCFESNDt94<-ES(datDJCFretOUTSAt94$rev.DJCFretOUTSAt94, p=0.975, method="gaussian")	DJCFESHIt94	DJCFESMDt94	DJCFESNDt94
DJCFESMDt95<-ES(datDJCFretOUTSAt95$rev.DJCFretOUTSAt95, p=0.975, method="modified")	DJCFESNDt95<-ES(datDJCFretOUTSAt95$rev.DJCFretOUTSAt95, p=0.975, method="gaussian")	DJCFESHIt95	DJCFESMDt95	DJCFESNDt95
DJCFESMDt96<-ES(datDJCFretOUTSAt96$rev.DJCFretOUTSAt96, p=0.975, method="modified")	DJCFESNDt96<-ES(datDJCFretOUTSAt96$rev.DJCFretOUTSAt96, p=0.975, method="gaussian")	DJCFESHIt96	DJCFESMDt96	DJCFESNDt96
DJCFESMDt97<-ES(datDJCFretOUTSAt97$rev.DJCFretOUTSAt97, p=0.975, method="modified")	DJCFESNDt97<-ES(datDJCFretOUTSAt97$rev.DJCFretOUTSAt97, p=0.975, method="gaussian")	DJCFESHIt97	DJCFESMDt97	DJCFESNDt97
DJCFESMDt98<-ES(datDJCFretOUTSAt98$rev.DJCFretOUTSAt98, p=0.975, method="modified")	DJCFESNDt98<-ES(datDJCFretOUTSAt98$rev.DJCFretOUTSAt98, p=0.975, method="gaussian")	DJCFESHIt98	DJCFESMDt98	DJCFESNDt98
DJCFESMDt99<-ES(datDJCFretOUTSAt99$rev.DJCFretOUTSAt99, p=0.975, method="modified")	DJCFESNDt99<-ES(datDJCFretOUTSAt99$rev.DJCFretOUTSAt99, p=0.975, method="gaussian")	DJCFESHIt99	DJCFESMDt99	DJCFESNDt99
DJCFESMDt100<-ES(datDJCFretOUTSAt100$rev.DJCFretOUTSAt100, p=0.975, method="modified")	DJCFESNDt100<-ES(datDJCFretOUTSAt100$rev.DJCFretOUTSAt100, p=0.975, method="gaussian")	DJCFESHIt100	DJCFESMDt100	DJCFESNDt100
DJCFESMDt101<-ES(datDJCFretOUTSAt101$rev.DJCFretOUTSAt101, p=0.975, method="modified")	DJCFESNDt101<-ES(datDJCFretOUTSAt101$rev.DJCFretOUTSAt101, p=0.975, method="gaussian")	DJCFESHIt101	DJCFESMDt101	DJCFESNDt101
DJCFESMDt102<-ES(datDJCFretOUTSAt102$rev.DJCFretOUTSAt102, p=0.975, method="modified")	DJCFESNDt102<-ES(datDJCFretOUTSAt102$rev.DJCFretOUTSAt102, p=0.975, method="gaussian")	DJCFESHIt102	DJCFESMDt102	DJCFESNDt102
DJCFESMDt103<-ES(datDJCFretOUTSAt103$rev.DJCFretOUTSAt103, p=0.975, method="modified")	DJCFESNDt103<-ES(datDJCFretOUTSAt103$rev.DJCFretOUTSAt103, p=0.975, method="gaussian")	DJCFESHIt103	DJCFESMDt103	DJCFESNDt103
DJCFESMDt104<-ES(datDJCFretOUTSAt104$rev.DJCFretOUTSAt104, p=0.975, method="modified")	DJCFESNDt104<-ES(datDJCFretOUTSAt104$rev.DJCFretOUTSAt104, p=0.975, method="gaussian")	DJCFESHIt104	DJCFESMDt104	DJCFESNDt104
DJCFESMDt105<-ES(datDJCFretOUTSAt105$rev.DJCFretOUTSAt105, p=0.975, method="modified")	DJCFESNDt105<-ES(datDJCFretOUTSAt105$rev.DJCFretOUTSAt105, p=0.975, method="gaussian")	DJCFESHIt105	DJCFESMDt105	DJCFESNDt105
DJCFESMDt106<-ES(datDJCFretOUTSAt106$rev.DJCFretOUTSAt106, p=0.975, method="modified")	DJCFESNDt106<-ES(datDJCFretOUTSAt106$rev.DJCFretOUTSAt106, p=0.975, method="gaussian")	DJCFESHIt106	DJCFESMDt106	DJCFESNDt106
DJCFESMDt107<-ES(datDJCFretOUTSAt107$rev.DJCFretOUTSAt107, p=0.975, method="modified")	DJCFESNDt107<-ES(datDJCFretOUTSAt107$rev.DJCFretOUTSAt107, p=0.975, method="gaussian")	DJCFESHIt107	DJCFESMDt107	DJCFESNDt107
DJCFESMDt108<-ES(datDJCFretOUTSAt108$rev.DJCFretOUTSAt108, p=0.975, method="modified")	DJCFESNDt108<-ES(datDJCFretOUTSAt108$rev.DJCFretOUTSAt108, p=0.975, method="gaussian")	DJCFESHIt108	DJCFESMDt108	DJCFESNDt108
DJCFESMDt109<-ES(datDJCFretOUTSAt109$rev.DJCFretOUTSAt109, p=0.975, method="modified")	DJCFESNDt109<-ES(datDJCFretOUTSAt109$rev.DJCFretOUTSAt109, p=0.975, method="gaussian")	DJCFESHIt109	DJCFESMDt109	DJCFESNDt109
DJCFESMDt110<-ES(datDJCFretOUTSAt110$rev.DJCFretOUTSAt110, p=0.975, method="modified")	DJCFESNDt110<-ES(datDJCFretOUTSAt110$rev.DJCFretOUTSAt110, p=0.975, method="gaussian")	DJCFESHIt110	DJCFESMDt110	DJCFESNDt110
DJCFESMDt111<-ES(datDJCFretOUTSAt111$rev.DJCFretOUTSAt111, p=0.975, method="modified")	DJCFESNDt111<-ES(datDJCFretOUTSAt111$rev.DJCFretOUTSAt111, p=0.975, method="gaussian")	DJCFESHIt111	DJCFESMDt111	DJCFESNDt111
DJCFESMDt112<-ES(datDJCFretOUTSAt112$rev.DJCFretOUTSAt112, p=0.975, method="modified")	DJCFESNDt112<-ES(datDJCFretOUTSAt112$rev.DJCFretOUTSAt112, p=0.975, method="gaussian")	DJCFESHIt112	DJCFESMDt112	DJCFESNDt112
DJCFESMDt113<-ES(datDJCFretOUTSAt113$rev.DJCFretOUTSAt113, p=0.975, method="modified")	DJCFESNDt113<-ES(datDJCFretOUTSAt113$rev.DJCFretOUTSAt113, p=0.975, method="gaussian")	DJCFESHIt113	DJCFESMDt113	DJCFESNDt113
DJCFESMDt114<-ES(datDJCFretOUTSAt114$rev.DJCFretOUTSAt114, p=0.975, method="modified")	DJCFESNDt114<-ES(datDJCFretOUTSAt114$rev.DJCFretOUTSAt114, p=0.975, method="gaussian")	DJCFESHIt114	DJCFESMDt114	DJCFESNDt114
DJCFESMDt115<-ES(datDJCFretOUTSAt115$rev.DJCFretOUTSAt115, p=0.975, method="modified")	DJCFESNDt115<-ES(datDJCFretOUTSAt115$rev.DJCFretOUTSAt115, p=0.975, method="gaussian")	DJCFESHIt115	DJCFESMDt115	DJCFESNDt115
DJCFESMDt116<-ES(datDJCFretOUTSAt116$rev.DJCFretOUTSAt116, p=0.975, method="modified")	DJCFESNDt116<-ES(datDJCFretOUTSAt116$rev.DJCFretOUTSAt116, p=0.975, method="gaussian")	DJCFESHIt116	DJCFESMDt116	DJCFESNDt116
DJCFESMDt117<-ES(datDJCFretOUTSAt117$rev.DJCFretOUTSAt117, p=0.975, method="modified")	DJCFESNDt117<-ES(datDJCFretOUTSAt117$rev.DJCFretOUTSAt117, p=0.975, method="gaussian")	DJCFESHIt117	DJCFESMDt117	DJCFESNDt117
DJCFESMDt118<-ES(datDJCFretOUTSAt118$rev.DJCFretOUTSAt118, p=0.975, method="modified")	DJCFESNDt118<-ES(datDJCFretOUTSAt118$rev.DJCFretOUTSAt118, p=0.975, method="gaussian")	DJCFESHIt118	DJCFESMDt118	DJCFESNDt118
DJCFESMDt119<-ES(datDJCFretOUTSAt119$rev.DJCFretOUTSAt119, p=0.975, method="modified")	DJCFESNDt119<-ES(datDJCFretOUTSAt119$rev.DJCFretOUTSAt119, p=0.975, method="gaussian")	DJCFESHIt119	DJCFESMDt119	DJCFESNDt119
DJCFESMDt120<-ES(datDJCFretOUTSAt120$rev.DJCFretOUTSAt120, p=0.975, method="modified")	DJCFESNDt120<-ES(datDJCFretOUTSAt120$rev.DJCFretOUTSAt120, p=0.975, method="gaussian")	DJCFESHIt120	DJCFESMDt120	DJCFESNDt120
DJCFESMDt121<-ES(datDJCFretOUTSAt121$rev.DJCFretOUTSAt121, p=0.975, method="modified")	DJCFESNDt121<-ES(datDJCFretOUTSAt121$rev.DJCFretOUTSAt121, p=0.975, method="gaussian")	DJCFESHIt121	DJCFESMDt121	DJCFESNDt121
DJCFESMDt122<-ES(datDJCFretOUTSAt122$rev.DJCFretOUTSAt122, p=0.975, method="modified")	DJCFESNDt122<-ES(datDJCFretOUTSAt122$rev.DJCFretOUTSAt122, p=0.975, method="gaussian")	DJCFESHIt122	DJCFESMDt122	DJCFESNDt122
DJCFESMDt123<-ES(datDJCFretOUTSAt123$rev.DJCFretOUTSAt123, p=0.975, method="modified")	DJCFESNDt123<-ES(datDJCFretOUTSAt123$rev.DJCFretOUTSAt123, p=0.975, method="gaussian")	DJCFESHIt123	DJCFESMDt123	DJCFESNDt123
DJCFESMDt124<-ES(datDJCFretOUTSAt124$rev.DJCFretOUTSAt124, p=0.975, method="modified")	DJCFESNDt124<-ES(datDJCFretOUTSAt124$rev.DJCFretOUTSAt124, p=0.975, method="gaussian")	DJCFESHIt124	DJCFESMDt124	DJCFESNDt124
DJCFESMDt125<-ES(datDJCFretOUTSAt125$rev.DJCFretOUTSAt125, p=0.975, method="modified")	DJCFESNDt125<-ES(datDJCFretOUTSAt125$rev.DJCFretOUTSAt125, p=0.975, method="gaussian")	DJCFESHIt125	DJCFESMDt125	DJCFESNDt125
DJCFESMDt126<-ES(datDJCFretOUTSAt126$rev.DJCFretOUTSAt126, p=0.975, method="modified")	DJCFESNDt126<-ES(datDJCFretOUTSAt126$rev.DJCFretOUTSAt126, p=0.975, method="gaussian")	DJCFESHIt126	DJCFESMDt126	DJCFESNDt126
DJCFESMDt127<-ES(datDJCFretOUTSAt127$rev.DJCFretOUTSAt127, p=0.975, method="modified")	DJCFESNDt127<-ES(datDJCFretOUTSAt127$rev.DJCFretOUTSAt127, p=0.975, method="gaussian")	DJCFESHIt127	DJCFESMDt127	DJCFESNDt127
DJCFESMDt128<-ES(datDJCFretOUTSAt128$rev.DJCFretOUTSAt128, p=0.975, method="modified")	DJCFESNDt128<-ES(datDJCFretOUTSAt128$rev.DJCFretOUTSAt128, p=0.975, method="gaussian")	DJCFESHIt128	DJCFESMDt128	DJCFESNDt128
DJCFESMDt129<-ES(datDJCFretOUTSAt129$rev.DJCFretOUTSAt129, p=0.975, method="modified")	DJCFESNDt129<-ES(datDJCFretOUTSAt129$rev.DJCFretOUTSAt129, p=0.975, method="gaussian")	DJCFESHIt129	DJCFESMDt129	DJCFESNDt129
DJCFESMDt130<-ES(datDJCFretOUTSAt130$rev.DJCFretOUTSAt130, p=0.975, method="modified")	DJCFESNDt130<-ES(datDJCFretOUTSAt130$rev.DJCFretOUTSAt130, p=0.975, method="gaussian")	DJCFESHIt130	DJCFESMDt130	DJCFESNDt130
DJCFESMDt131<-ES(datDJCFretOUTSAt131$rev.DJCFretOUTSAt131, p=0.975, method="modified")	DJCFESNDt131<-ES(datDJCFretOUTSAt131$rev.DJCFretOUTSAt131, p=0.975, method="gaussian")	DJCFESHIt131	DJCFESMDt131	DJCFESNDt131
DJCFESMDt132<-ES(datDJCFretOUTSAt132$rev.DJCFretOUTSAt132, p=0.975, method="modified")	DJCFESNDt132<-ES(datDJCFretOUTSAt132$rev.DJCFretOUTSAt132, p=0.975, method="gaussian")	DJCFESHIt132	DJCFESMDt132	DJCFESNDt132
DJCFESMDt133<-ES(datDJCFretOUTSAt133$rev.DJCFretOUTSAt133, p=0.975, method="modified")	DJCFESNDt133<-ES(datDJCFretOUTSAt133$rev.DJCFretOUTSAt133, p=0.975, method="gaussian")	DJCFESHIt133	DJCFESMDt133	DJCFESNDt133
DJCFESMDt134<-ES(datDJCFretOUTSAt134$rev.DJCFretOUTSAt134, p=0.975, method="modified")	DJCFESNDt134<-ES(datDJCFretOUTSAt134$rev.DJCFretOUTSAt134, p=0.975, method="gaussian")	DJCFESHIt134	DJCFESMDt134	DJCFESNDt134
DJCFESMDt135<-ES(datDJCFretOUTSAt135$rev.DJCFretOUTSAt135, p=0.975, method="modified")	DJCFESNDt135<-ES(datDJCFretOUTSAt135$rev.DJCFretOUTSAt135, p=0.975, method="gaussian")	DJCFESHIt135	DJCFESMDt135	DJCFESNDt135
DJCFESMDt136<-ES(datDJCFretOUTSAt136$rev.DJCFretOUTSAt136, p=0.975, method="modified")	DJCFESNDt136<-ES(datDJCFretOUTSAt136$rev.DJCFretOUTSAt136, p=0.975, method="gaussian")	DJCFESHIt136	DJCFESMDt136	DJCFESNDt136
DJCFESMDt137<-ES(datDJCFretOUTSAt137$rev.DJCFretOUTSAt137, p=0.975, method="modified")	DJCFESNDt137<-ES(datDJCFretOUTSAt137$rev.DJCFretOUTSAt137, p=0.975, method="gaussian")	DJCFESHIt137	DJCFESMDt137	DJCFESNDt137
DJCFESMDt138<-ES(datDJCFretOUTSAt138$rev.DJCFretOUTSAt138, p=0.975, method="modified")	DJCFESNDt138<-ES(datDJCFretOUTSAt138$rev.DJCFretOUTSAt138, p=0.975, method="gaussian")	DJCFESHIt138	DJCFESMDt138	DJCFESNDt138
DJCFESMDt139<-ES(datDJCFretOUTSAt139$rev.DJCFretOUTSAt139, p=0.975, method="modified")	DJCFESNDt139<-ES(datDJCFretOUTSAt139$rev.DJCFretOUTSAt139, p=0.975, method="gaussian")	DJCFESHIt139	DJCFESMDt139	DJCFESNDt139
DJCFESMDt140<-ES(datDJCFretOUTSAt140$rev.DJCFretOUTSAt140, p=0.975, method="modified")	DJCFESNDt140<-ES(datDJCFretOUTSAt140$rev.DJCFretOUTSAt140, p=0.975, method="gaussian")	DJCFESHIt140	DJCFESMDt140	DJCFESNDt140
DJCFESMDt141<-ES(datDJCFretOUTSAt141$rev.DJCFretOUTSAt141, p=0.975, method="modified")	DJCFESNDt141<-ES(datDJCFretOUTSAt141$rev.DJCFretOUTSAt141, p=0.975, method="gaussian")	DJCFESHIt141	DJCFESMDt141	DJCFESNDt141
DJCFESMDt142<-ES(datDJCFretOUTSAt142$rev.DJCFretOUTSAt142, p=0.975, method="modified")	DJCFESNDt142<-ES(datDJCFretOUTSAt142$rev.DJCFretOUTSAt142, p=0.975, method="gaussian")	DJCFESHIt142	DJCFESMDt142	DJCFESNDt142
DJCFESMDt143<-ES(datDJCFretOUTSAt143$rev.DJCFretOUTSAt143, p=0.975, method="modified")	DJCFESNDt143<-ES(datDJCFretOUTSAt143$rev.DJCFretOUTSAt143, p=0.975, method="gaussian")	DJCFESHIt143	DJCFESMDt143	DJCFESNDt143
DJCFESMDt144<-ES(datDJCFretOUTSAt144$rev.DJCFretOUTSAt144, p=0.975, method="modified")	DJCFESNDt144<-ES(datDJCFretOUTSAt144$rev.DJCFretOUTSAt144, p=0.975, method="gaussian")	DJCFESHIt144	DJCFESMDt144	DJCFESNDt144
DJCFESMDt145<-ES(datDJCFretOUTSAt145$rev.DJCFretOUTSAt145, p=0.975, method="modified")	DJCFESNDt145<-ES(datDJCFretOUTSAt145$rev.DJCFretOUTSAt145, p=0.975, method="gaussian")	DJCFESHIt145	DJCFESMDt145	DJCFESNDt145
DJCFESMDt146<-ES(datDJCFretOUTSAt146$rev.DJCFretOUTSAt146, p=0.975, method="modified")	DJCFESNDt146<-ES(datDJCFretOUTSAt146$rev.DJCFretOUTSAt146, p=0.975, method="gaussian")	DJCFESHIt146	DJCFESMDt146	DJCFESNDt146
DJCFESMDt147<-ES(datDJCFretOUTSAt147$rev.DJCFretOUTSAt147, p=0.975, method="modified")	DJCFESNDt147<-ES(datDJCFretOUTSAt147$rev.DJCFretOUTSAt147, p=0.975, method="gaussian")	DJCFESHIt147	DJCFESMDt147	DJCFESNDt147
DJCFESMDt148<-ES(datDJCFretOUTSAt148$rev.DJCFretOUTSAt148, p=0.975, method="modified")	DJCFESNDt148<-ES(datDJCFretOUTSAt148$rev.DJCFretOUTSAt148, p=0.975, method="gaussian")	DJCFESHIt148	DJCFESMDt148	DJCFESNDt148
DJCFESMDt149<-ES(datDJCFretOUTSAt149$rev.DJCFretOUTSAt149, p=0.975, method="modified")	DJCFESNDt149<-ES(datDJCFretOUTSAt149$rev.DJCFretOUTSAt149, p=0.975, method="gaussian")	DJCFESHIt149	DJCFESMDt149	DJCFESNDt149
DJCFESMDt150<-ES(datDJCFretOUTSAt150$rev.DJCFretOUTSAt150, p=0.975, method="modified")	DJCFESNDt150<-ES(datDJCFretOUTSAt150$rev.DJCFretOUTSAt150, p=0.975, method="gaussian")	DJCFESHIt150	DJCFESMDt150	DJCFESNDt150
DJCFESMDt151<-ES(datDJCFretOUTSAt151$rev.DJCFretOUTSAt151, p=0.975, method="modified")	DJCFESNDt151<-ES(datDJCFretOUTSAt151$rev.DJCFretOUTSAt151, p=0.975, method="gaussian")	DJCFESHIt151	DJCFESMDt151	DJCFESNDt151
DJCFESMDt152<-ES(datDJCFretOUTSAt152$rev.DJCFretOUTSAt152, p=0.975, method="modified")	DJCFESNDt152<-ES(datDJCFretOUTSAt152$rev.DJCFretOUTSAt152, p=0.975, method="gaussian")	DJCFESHIt152	DJCFESMDt152	DJCFESNDt152
DJCFESMDt153<-ES(datDJCFretOUTSAt153$rev.DJCFretOUTSAt153, p=0.975, method="modified")	DJCFESNDt153<-ES(datDJCFretOUTSAt153$rev.DJCFretOUTSAt153, p=0.975, method="gaussian")	DJCFESHIt153	DJCFESMDt153	DJCFESNDt153
DJCFESMDt154<-ES(datDJCFretOUTSAt154$rev.DJCFretOUTSAt154, p=0.975, method="modified")	DJCFESNDt154<-ES(datDJCFretOUTSAt154$rev.DJCFretOUTSAt154, p=0.975, method="gaussian")	DJCFESHIt154	DJCFESMDt154	DJCFESNDt154
DJCFESMDt155<-ES(datDJCFretOUTSAt155$rev.DJCFretOUTSAt155, p=0.975, method="modified")	DJCFESNDt155<-ES(datDJCFretOUTSAt155$rev.DJCFretOUTSAt155, p=0.975, method="gaussian")	DJCFESHIt155	DJCFESMDt155	DJCFESNDt155
DJCFESMDt156<-ES(datDJCFretOUTSAt156$rev.DJCFretOUTSAt156, p=0.975, method="modified")	DJCFESNDt156<-ES(datDJCFretOUTSAt156$rev.DJCFretOUTSAt156, p=0.975, method="gaussian")	DJCFESHIt156	DJCFESMDt156	DJCFESNDt156
DJCFESMDt157<-ES(datDJCFretOUTSAt157$rev.DJCFretOUTSAt157, p=0.975, method="modified")	DJCFESNDt157<-ES(datDJCFretOUTSAt157$rev.DJCFretOUTSAt157, p=0.975, method="gaussian")	DJCFESHIt157	DJCFESMDt157	DJCFESNDt157
DJCFESMDt158<-ES(datDJCFretOUTSAt158$rev.DJCFretOUTSAt158, p=0.975, method="modified")	DJCFESNDt158<-ES(datDJCFretOUTSAt158$rev.DJCFretOUTSAt158, p=0.975, method="gaussian")	DJCFESHIt158	DJCFESMDt158	DJCFESNDt158
DJCFESMDt159<-ES(datDJCFretOUTSAt159$rev.DJCFretOUTSAt159, p=0.975, method="modified")	DJCFESNDt159<-ES(datDJCFretOUTSAt159$rev.DJCFretOUTSAt159, p=0.975, method="gaussian")	DJCFESHIt159	DJCFESMDt159	DJCFESNDt159
DJCFESMDt160<-ES(datDJCFretOUTSAt160$rev.DJCFretOUTSAt160, p=0.975, method="modified")	DJCFESNDt160<-ES(datDJCFretOUTSAt160$rev.DJCFretOUTSAt160, p=0.975, method="gaussian")	DJCFESHIt160	DJCFESMDt160	DJCFESNDt160
DJCFESMDt161<-ES(datDJCFretOUTSAt161$rev.DJCFretOUTSAt161, p=0.975, method="modified")	DJCFESNDt161<-ES(datDJCFretOUTSAt161$rev.DJCFretOUTSAt161, p=0.975, method="gaussian")	DJCFESHIt161	DJCFESMDt161	DJCFESNDt161
DJCFESMDt162<-ES(datDJCFretOUTSAt162$rev.DJCFretOUTSAt162, p=0.975, method="modified")	DJCFESNDt162<-ES(datDJCFretOUTSAt162$rev.DJCFretOUTSAt162, p=0.975, method="gaussian")	DJCFESHIt162	DJCFESMDt162	DJCFESNDt162
DJCFESMDt163<-ES(datDJCFretOUTSAt163$rev.DJCFretOUTSAt163, p=0.975, method="modified")	DJCFESNDt163<-ES(datDJCFretOUTSAt163$rev.DJCFretOUTSAt163, p=0.975, method="gaussian")	DJCFESHIt163	DJCFESMDt163	DJCFESNDt163
DJCFESMDt164<-ES(datDJCFretOUTSAt164$rev.DJCFretOUTSAt164, p=0.975, method="modified")	DJCFESNDt164<-ES(datDJCFretOUTSAt164$rev.DJCFretOUTSAt164, p=0.975, method="gaussian")	DJCFESHIt164	DJCFESMDt164	DJCFESNDt164
DJCFESMDt165<-ES(datDJCFretOUTSAt165$rev.DJCFretOUTSAt165, p=0.975, method="modified")	DJCFESNDt165<-ES(datDJCFretOUTSAt165$rev.DJCFretOUTSAt165, p=0.975, method="gaussian")	DJCFESHIt165	DJCFESMDt165	DJCFESNDt165
DJCFESMDt166<-ES(datDJCFretOUTSAt166$rev.DJCFretOUTSAt166, p=0.975, method="modified")	DJCFESNDt166<-ES(datDJCFretOUTSAt166$rev.DJCFretOUTSAt166, p=0.975, method="gaussian")	DJCFESHIt166	DJCFESMDt166	DJCFESNDt166
DJCFESMDt167<-ES(datDJCFretOUTSAt167$rev.DJCFretOUTSAt167, p=0.975, method="modified")	DJCFESNDt167<-ES(datDJCFretOUTSAt167$rev.DJCFretOUTSAt167, p=0.975, method="gaussian")	DJCFESHIt167	DJCFESMDt167	DJCFESNDt167
DJCFESMDt168<-ES(datDJCFretOUTSAt168$rev.DJCFretOUTSAt168, p=0.975, method="modified")	DJCFESNDt168<-ES(datDJCFretOUTSAt168$rev.DJCFretOUTSAt168, p=0.975, method="gaussian")	DJCFESHIt168	DJCFESMDt168	DJCFESNDt168
DJCFESMDt169<-ES(datDJCFretOUTSAt169$rev.DJCFretOUTSAt169, p=0.975, method="modified")	DJCFESNDt169<-ES(datDJCFretOUTSAt169$rev.DJCFretOUTSAt169, p=0.975, method="gaussian")	DJCFESHIt169	DJCFESMDt169	DJCFESNDt169
DJCFESMDt170<-ES(datDJCFretOUTSAt170$rev.DJCFretOUTSAt170, p=0.975, method="modified")	DJCFESNDt170<-ES(datDJCFretOUTSAt170$rev.DJCFretOUTSAt170, p=0.975, method="gaussian")	DJCFESHIt170	DJCFESMDt170	DJCFESNDt170
DJCFESMDt171<-ES(datDJCFretOUTSAt171$rev.DJCFretOUTSAt171, p=0.975, method="modified")	DJCFESNDt171<-ES(datDJCFretOUTSAt171$rev.DJCFretOUTSAt171, p=0.975, method="gaussian")	DJCFESHIt171	DJCFESMDt171	DJCFESNDt171
DJCFESMDt172<-ES(datDJCFretOUTSAt172$rev.DJCFretOUTSAt172, p=0.975, method="modified")	DJCFESNDt172<-ES(datDJCFretOUTSAt172$rev.DJCFretOUTSAt172, p=0.975, method="gaussian")	DJCFESHIt172	DJCFESMDt172	DJCFESNDt172
DJCFESMDt173<-ES(datDJCFretOUTSAt173$rev.DJCFretOUTSAt173, p=0.975, method="modified")	DJCFESNDt173<-ES(datDJCFretOUTSAt173$rev.DJCFretOUTSAt173, p=0.975, method="gaussian")	DJCFESHIt173	DJCFESMDt173	DJCFESNDt173
DJCFESMDt174<-ES(datDJCFretOUTSAt174$rev.DJCFretOUTSAt174, p=0.975, method="modified")	DJCFESNDt174<-ES(datDJCFretOUTSAt174$rev.DJCFretOUTSAt174, p=0.975, method="gaussian")	DJCFESHIt174	DJCFESMDt174	DJCFESNDt174
DJCFESMDt175<-ES(datDJCFretOUTSAt175$rev.DJCFretOUTSAt175, p=0.975, method="modified")	DJCFESNDt175<-ES(datDJCFretOUTSAt175$rev.DJCFretOUTSAt175, p=0.975, method="gaussian")	DJCFESHIt175	DJCFESMDt175	DJCFESNDt175
DJCFESMDt176<-ES(datDJCFretOUTSAt176$rev.DJCFretOUTSAt176, p=0.975, method="modified")	DJCFESNDt176<-ES(datDJCFretOUTSAt176$rev.DJCFretOUTSAt176, p=0.975, method="gaussian")	DJCFESHIt176	DJCFESMDt176	DJCFESNDt176
DJCFESMDt177<-ES(datDJCFretOUTSAt177$rev.DJCFretOUTSAt177, p=0.975, method="modified")	DJCFESNDt177<-ES(datDJCFretOUTSAt177$rev.DJCFretOUTSAt177, p=0.975, method="gaussian")	DJCFESHIt177	DJCFESMDt177	DJCFESNDt177
DJCFESMDt178<-ES(datDJCFretOUTSAt178$rev.DJCFretOUTSAt178, p=0.975, method="modified")	DJCFESNDt178<-ES(datDJCFretOUTSAt178$rev.DJCFretOUTSAt178, p=0.975, method="gaussian")	DJCFESHIt178	DJCFESMDt178	DJCFESNDt178
DJCFESMDt179<-ES(datDJCFretOUTSAt179$rev.DJCFretOUTSAt179, p=0.975, method="modified")	DJCFESNDt179<-ES(datDJCFretOUTSAt179$rev.DJCFretOUTSAt179, p=0.975, method="gaussian")	DJCFESHIt179	DJCFESMDt179	DJCFESNDt179
DJCFESMDt180<-ES(datDJCFretOUTSAt180$rev.DJCFretOUTSAt180, p=0.975, method="modified")	DJCFESNDt180<-ES(datDJCFretOUTSAt180$rev.DJCFretOUTSAt180, p=0.975, method="gaussian")	DJCFESHIt180	DJCFESMDt180	DJCFESNDt180
DJCFESMDt181<-ES(datDJCFretOUTSAt181$rev.DJCFretOUTSAt181, p=0.975, method="modified")	DJCFESNDt181<-ES(datDJCFretOUTSAt181$rev.DJCFretOUTSAt181, p=0.975, method="gaussian")	DJCFESHIt181	DJCFESMDt181	DJCFESNDt181
DJCFESMDt1<-ES(datDJCFretOUTSAt1$rev.DJCFretOUTSAt1, p=0.975, method="modified")	DJCFESNDt1<-ES(datDJCFretOUTSAt1$rev.DJCFretOUTSAt1, p=0.975, method="gaussian")	DJCFESHIt1	DJCFESMDt1	DJCFESNDt1
DJCFESMDt2<-ES(datDJCFretOUTSAt2$rev.DJCFretOUTSAt2, p=0.975, method="modified")	DJCFESNDt2<-ES(datDJCFretOUTSAt2$rev.DJCFretOUTSAt2, p=0.975, method="gaussian")	DJCFESHIt2	DJCFESMDt2	DJCFESNDt2
DJCFESMDt3<-ES(datDJCFretOUTSAt3$rev.DJCFretOUTSAt3, p=0.975, method="modified")	DJCFESNDt3<-ES(datDJCFretOUTSAt3$rev.DJCFretOUTSAt3, p=0.975, method="gaussian")	DJCFESHIt3	DJCFESMDt3	DJCFESNDt3
DJCFESMDt4<-ES(datDJCFretOUTSAt4$rev.DJCFretOUTSAt4, p=0.975, method="modified")	DJCFESNDt4<-ES(datDJCFretOUTSAt4$rev.DJCFretOUTSAt4, p=0.975, method="gaussian")	DJCFESHIt4	DJCFESMDt4	DJCFESNDt4
DJCFESMDt5<-ES(datDJCFretOUTSAt5$rev.DJCFretOUTSAt5, p=0.975, method="modified")	DJCFESNDt5<-ES(datDJCFretOUTSAt5$rev.DJCFretOUTSAt5, p=0.975, method="gaussian")	DJCFESHIt5	DJCFESMDt5	DJCFESNDt5
DJCFESMDt6<-ES(datDJCFretOUTSAt6$rev.DJCFretOUTSAt6, p=0.975, method="modified")	DJCFESNDt6<-ES(datDJCFretOUTSAt6$rev.DJCFretOUTSAt6, p=0.975, method="gaussian")	DJCFESHIt6	DJCFESMDt6	DJCFESNDt6
DJCFESMDt7<-ES(datDJCFretOUTSAt7$rev.DJCFretOUTSAt7, p=0.975, method="modified")	DJCFESNDt7<-ES(datDJCFretOUTSAt7$rev.DJCFretOUTSAt7, p=0.975, method="gaussian")	DJCFESHIt7	DJCFESMDt7	DJCFESNDt7
DJCFESMDt8<-ES(datDJCFretOUTSAt8$rev.DJCFretOUTSAt8, p=0.975, method="modified")	DJCFESNDt8<-ES(datDJCFretOUTSAt8$rev.DJCFretOUTSAt8, p=0.975, method="gaussian")	DJCFESHIt8	DJCFESMDt8	DJCFESNDt8
DJCFESMDt9<-ES(datDJCFretOUTSAt9$rev.DJCFretOUTSAt9, p=0.975, method="modified")	DJCFESNDt9<-ES(datDJCFretOUTSAt9$rev.DJCFretOUTSAt9, p=0.975, method="gaussian")	DJCFESHIt9	DJCFESMDt9	DJCFESNDt9
DJCFESMDt10<-ES(datDJCFretOUTSAt10$rev.DJCFretOUTSAt10, p=0.975, method="modified")	DJCFESNDt10<-ES(datDJCFretOUTSAt10$rev.DJCFretOUTSAt10, p=0.975, method="gaussian")	DJCFESHIt10	DJCFESMDt10	DJCFESNDt10
DJCFESMDt11<-ES(datDJCFretOUTSAt11$rev.DJCFretOUTSAt11, p=0.975, method="modified")	DJCFESNDt11<-ES(datDJCFretOUTSAt11$rev.DJCFretOUTSAt11, p=0.975, method="gaussian")	DJCFESHIt11	DJCFESMDt11	DJCFESNDt11
DJCFESMDt12<-ES(datDJCFretOUTSAt12$rev.DJCFretOUTSAt12, p=0.975, method="modified")	DJCFESNDt12<-ES(datDJCFretOUTSAt12$rev.DJCFretOUTSAt12, p=0.975, method="gaussian")	DJCFESHIt12	DJCFESMDt12	DJCFESNDt12
DJCFESMDt13<-ES(datDJCFretOUTSAt13$rev.DJCFretOUTSAt13, p=0.975, method="modified")	DJCFESNDt13<-ES(datDJCFretOUTSAt13$rev.DJCFretOUTSAt13, p=0.975, method="gaussian")	DJCFESHIt13	DJCFESMDt13	DJCFESNDt13
DJCFESMDt14<-ES(datDJCFretOUTSAt14$rev.DJCFretOUTSAt14, p=0.975, method="modified")	DJCFESNDt14<-ES(datDJCFretOUTSAt14$rev.DJCFretOUTSAt14, p=0.975, method="gaussian")	DJCFESHIt14	DJCFESMDt14	DJCFESNDt14
DJCFESMDt15<-ES(datDJCFretOUTSAt15$rev.DJCFretOUTSAt15, p=0.975, method="modified")	DJCFESNDt15<-ES(datDJCFretOUTSAt15$rev.DJCFretOUTSAt15, p=0.975, method="gaussian")	DJCFESHIt15	DJCFESMDt15	DJCFESNDt15
DJCFESMDt16<-ES(datDJCFretOUTSAt16$rev.DJCFretOUTSAt16, p=0.975, method="modified")	DJCFESNDt16<-ES(datDJCFretOUTSAt16$rev.DJCFretOUTSAt16, p=0.975, method="gaussian")	DJCFESHIt16	DJCFESMDt16	DJCFESNDt16
DJCFESMDt17<-ES(datDJCFretOUTSAt17$rev.DJCFretOUTSAt17, p=0.975, method="modified")	DJCFESNDt17<-ES(datDJCFretOUTSAt17$rev.DJCFretOUTSAt17, p=0.975, method="gaussian")	DJCFESHIt17	DJCFESMDt17	DJCFESNDt17
DJCFESMDt18<-ES(datDJCFretOUTSAt18$rev.DJCFretOUTSAt18, p=0.975, method="modified")	DJCFESNDt18<-ES(datDJCFretOUTSAt18$rev.DJCFretOUTSAt18, p=0.975, method="gaussian")	DJCFESHIt18	DJCFESMDt18	DJCFESNDt18
DJCFESMDt19<-ES(datDJCFretOUTSAt19$rev.DJCFretOUTSAt19, p=0.975, method="modified")	DJCFESNDt19<-ES(datDJCFretOUTSAt19$rev.DJCFretOUTSAt19, p=0.975, method="gaussian")	DJCFESHIt19	DJCFESMDt19	DJCFESNDt19
DJCFESMDt20<-

DJCFESMDt40<-ES(datDJCFretOUTSAt40$rev.DJCFretOUTSAt40, p=0.975, method="modified")	DJCFESNOt40<-ES(datDJCFretOUTSAt40$rev.DJCFretOUTSAt40, p=0.975, method="gaussian")	DJCFESHIt40	DJCFESMOt40	DJCFESNOt40
DJCFESMDt41<-ES(datDJCFretOUTSAt41$rev.DJCFretOUTSAt41, p=0.975, method="modified")	DJCFESNOt41<-ES(datDJCFretOUTSAt41$rev.DJCFretOUTSAt41, p=0.975, method="gaussian")	DJCFESHIt41	DJCFESMOt41	DJCFESNOt41
DJCFESMDt42<-ES(datDJCFretOUTSAt42$rev.DJCFretOUTSAt42, p=0.975, method="modified")	DJCFESNOt42<-ES(datDJCFretOUTSAt42$rev.DJCFretOUTSAt42, p=0.975, method="gaussian")	DJCFESHIt42	DJCFESMOt42	DJCFESNOt42

DJCFESMOt169<-ES(datDJCFretOUTSAt169$rev.DJCFretOUTSAt169, p=0.975, method="modified")	DJCFESNOt169<-ES(datDJCFretOUTSAt169$rev.DJCFretOUTSAt169, p=0.975, method="gaussian")	DJCFESHIt169	DJCFESMDt169	DJCFESNDt169
DJCFESMOt170<-ES(datDJCFretOUTSAt170$rev.DJCFretOUTSAt170, p=0.975, method="modified")	DJCFESNOt170<-ES(datDJCFretOUTSAt170$rev.DJCFretOUTSAt170, p=0.975, method="gaussian")	DJCFESHIt170	DJCFESMDt170	DJCFESNDt170
DJCFESMOt171<-ES(datDJCFretOUTSAt171$rev.DJCFretOUTSAt171, p=0.975, method="modified")	DJCFESNOt171<-ES(datDJCFretOUTSAt171$rev.DJCFretOUTSAt171, p=0.975, method="gaussian")	DJCFESHIt171	DJCFESMDt171	DJCFESNDt171
DJCFESMOt172<-ES(datDJCFretOUTSAt172$rev.DJCFretOUTSAt172, p=0.975, method="modified")	DJCFESNOt172<-ES(datDJCFretOUTSAt172$rev.DJCFretOUTSAt172, p=0.975, method="gaussian")	DJCFESHIt172	DJCFESMDt172	DJCFESNDt172
DJCFESMOt173<-ES(datDJCFretOUTSAt173$rev.DJCFretOUTSAt173, p=0.975, method="modified")	DJCFESNOt173<-ES(datDJCFretOUTSAt173$rev.DJCFretOUTSAt173, p=0.975, method="gaussian")	DJCFESHIt173	DJCFESMDt173	DJCFESNDt173
DJCFESMOt174<-ES(datDJCFretOUTSAt174$rev.DJCFretOUTSAt174, p=0.975, method="modified")	DJCFESNOt174<-ES(datDJCFretOUTSAt174$rev.DJCFretOUTSAt174, p=0.975, method="gaussian")	DJCFESHIt174	DJCFESMDt174	DJCFESNDt174
DJCFESMOt175<-ES(datDJCFretOUTSAt175$rev.DJCFretOUTSAt175, p=0.975, method="modified")	DJCFESNOt175<-ES(datDJCFretOUTSAt175$rev.DJCFretOUTSAt175, p=0.975, method="gaussian")	DJCFESHIt175	DJCFESMDt175	DJCFESNDt175
DJCFESMOt176<-ES(datDJCFretOUTSAt176$rev.DJCFretOUTSAt176, p=0.975, method="modified")	DJCFESNOt176<-ES(datDJCFretOUTSAt176$rev.DJCFretOUTSAt176, p=0.975, method="gaussian")	DJCFESHIt176	DJCFESMDt176	DJCFESNDt176
DJCFESMOt177<-ES(datDJCFretOUTSAt177$rev.DJCFretOUTSAt177, p=0.975, method="modified")	DJCFESNOt177<-ES(datDJCFretOUTSAt177$rev.DJCFretOUTSAt177, p=0.975, method="gaussian")	DJCFESHIt177	DJCFESMDt177	DJCFESNDt177
DJCFESMOt178<-ES(datDJCFretOUTSAt178$rev.DJCFretOUTSAt178, p=0.975, method="modified")	DJCFESNOt178<-ES(datDJCFretOUTSAt178$rev.DJCFretOUTSAt178, p=0.975, method="gaussian")	DJCFESHIt178	DJCFESMDt178	DJCFESNDt178
DJCFESMOt179<-ES(datDJCFretOUTSAt179$rev.DJCFretOUTSAt179, p=0.975, method="modified")	DJCFESNOt179<-ES(datDJCFretOUTSAt179$rev.DJCFretOUTSAt179, p=0.975, method="gaussian")	DJCFESHIt179	DJCFESMDt179	DJCFESNDt179
DJCFESMOt180<-ES(datDJCFretOUTSAt180$rev.DJCFretOUTSAt180, p=0.975, method="modified")	DJCFESNOt180<-ES(datDJCFretOUTSAt180$rev.DJCFretOUTSAt180, p=0.975, method="gaussian")	DJCFESHIt180	DJCFESMDt180	DJCFESNDt180
DJCFESMOt181<-ES(datDJCFretOUTSAt181$rev.DJCFretOUTSAt181, p=0.975, method="modified")	DJCFESNOt181<-ES(datDJCFretOUTSAt181$rev.DJCFretOUTSAt181, p=0.975, method="gaussian")	DJCFESHIt181	DJCFESMDt181	DJCFESNDt181
DJCTESMOt1<-ES(datDJCTretOUTSAt1$rev.DJCTretOUTSAt1, p=0.975, method="modified")	DJCTESNOt1<-ES(datDJCTretOUTSAt1$rev.DJCTretOUTSAt1, p=0.975, method="gaussian")	DJCTESHIt1	DJCTESMDt1	DJCTESNDt1
DJCTESMOt2<-ES(datDJCTretOUTSAt2$rev.DJCTretOUTSAt2, p=0.975, method="modified")	DJCTESNOt2<-ES(datDJCTretOUTSAt2$rev.DJCTretOUTSAt2, p=0.975, method="gaussian")	DJCTESHIt2	DJCTESMDt2	DJCTESNDt2
DJCTESMOt3<-ES(datDJCTretOUTSAt3$rev.DJCTretOUTSAt3, p=0.975, method="modified")	DJCTESNOt3<-ES(datDJCTretOUTSAt3$rev.DJCTretOUTSAt3, p=0.975, method="gaussian")	DJCTESHIt3	DJCTESMDt3	DJCTESNDt3

DJCTESMOt115<-ES(datDJCTretOUTSAt115$rev.DJCTretOUTSAt115, p=0.975, method="modified")	DJCTESNOt115<-ES(datDJCTretOUTSAt115$rev.DJCTretOUTSAt115, p=0.975, method="gaussian")	DJCTESHIt115	DJCTESMDt115	DJCTESNDt115
DJCTESMOt116<-ES(datDJCTretOUTSAt116$rev.DJCTretOUTSAt116, p=0.975, method="modified")	DJCTESNOt116<-ES(datDJCTretOUTSAt116$rev.DJCTretOUTSAt116, p=0.975, method="gaussian")	DJCTESHIt116	DJCTESMDt116	DJCTESNDt116
DJCTESMOt117<-ES(datDJCTretOUTSAt117$rev.DJCTretOUTSAt117, p=0.975, method="modified")	DJCTESNOt117<-ES(datDJCTretOUTSAt117$rev.DJCTretOUTSAt117, p=0.975, method="gaussian")	DJCTESHIt117	DJCTESMDt117	DJCTESNDt117
DJCTESMOt118<-ES(datDJCTretOUTSAt118$rev.DJCTretOUTSAt118, p=0.975, method="modified")	DJCTESNOt118<-ES(datDJCTretOUTSAt118$rev.DJCTretOUTSAt118, p=0.975, method="gaussian")	DJCTESHIt118	DJCTESMDt118	DJCTESNDt118
DJCTESMOt119<-ES(datDJCTretOUTSAt119$rev.DJCTretOUTSAt119, p=0.975, method="modified")	DJCTESNOt119<-ES(datDJCTretOUTSAt119$rev.DJCTretOUTSAt119, p=0.975, method="gaussian")	DJCTESHIt119	DJCTESMDt119	DJCTESNDt119
DJCTESMOt120<-ES(datDJCTretOUTSAt120$rev.DJCTretOUTSAt120, p=0.975, method="modified")	DJCTESNOt120<-ES(datDJCTretOUTSAt120$rev.DJCTretOUTSAt120, p=0.975, method="gaussian")	DJCTESHIt120	DJCTESMDt120	DJCTESNDt120
DJCTESMOt121<-ES(datDJCTretOUTSAt121$rev.DJCTretOUTSAt121, p=0.975, method="modified")	DJCTESNOt121<-ES(datDJCTretOUTSAt121$rev.DJCTretOUTSAt121, p=0.975, method="gaussian")	DJCTESHIt121	DJCTESMDt121	DJCTESNDt121
DJCTESMOt122<-ES(datDJCTretOUTSAt122$rev.DJCTretOUTSAt122, p=0.975, method="modified")	DJCTESNOt122<-ES(datDJCTretOUTSAt122$rev.DJCTretOUTSAt122, p=0.975, method="gaussian")	DJCTESHIt122	DJCTESMDt122	DJCTESNDt122
DJCTESMOt123<-ES(datDJCTretOUTSAt123$rev.DJCTretOUTSAt123, p=0.975, method="modified")	DJCTESNOt123<-ES(datDJCTretOUTSAt123$rev.DJCTretOUTSAt123, p=0.975, method="gaussian")	DJCTESHIt123	DJCTESMDt123	DJCTESNDt123
DJCTESMOt124<-ES(datDJCTretOUTSAt124$rev.DJCTretOUTSAt124, p=0.975, method="modified")	DJCTESNOt124<-ES(datDJCTretOUTSAt124$rev.DJCTretOUTSAt124, p=0.975, method="gaussian")	DJCTESHIt124	DJCTESMDt124	DJCTESNDt124
DJCTESMOt125<-ES(datDJCTretOUTSAt125$rev.DJCTretOUTSAt125, p=0.975, method="modified")	DJCTESNOt125<-ES(datDJCTretOUTSAt125$rev.DJCTretOUTSAt125, p=0.975, method="gaussian")	DJCTESHIt125	DJCTESMDt125	DJCTESNDt125
DJCTESMOt126<-ES(datDJCTretOUTSAt126$rev.DJCTretOUTSAt126, p=0.975, method="modified")	DJCTESNOt126<-ES(datDJCTretOUTSAt126$rev.DJCTretOUTSAt126, p=0.975, method="gaussian")	DJCTESHIt126	DJCTESMDt126	DJCTESNDt126
DJCTESMOt127<-ES(datDJCTretOUTSAt127$rev.DJCTretOUTSAt127, p=0.975, method="modified")	DJCTESNOt127<-ES(datDJCTretOUTSAt127$rev.DJCTretOUTSAt127, p=0.975, method="gaussian")	DJCTESHIt127	DJCTESMDt127	DJCTESNDt127
DJCTESMOt128<-ES(datDJCTretOUTSAt128$rev.DJCTretOUTSAt128, p=0.975, method="modified")	DJCTESNOt128<-ES(datDJCTretOUTSAt128$rev.DJCTretOUTSAt128, p=0.975, method="gaussian")	DJCTESHIt128	DJCTESMDt128	DJCTESNDt128
DJCTESMOt129<-ES(datDJCTretOUTSAt129$rev.DJCTretOUTSAt129, p=0.975, method="modified")	DJCTESNOt129<-ES(datDJCTretOUTSAt129$rev.DJCTretOUTSAt129, p=0.975, method="gaussian")	DJCTESHIt129	DJCTESMDt129	DJCTESNDt129
DJCTESMOt130<-ES(datDJCTretOUTSAt130$rev.DJCTretOUTSAt130, p=0.975, method="modified")	DJCTESNOt130<-ES(datDJCTretOUTSAt130$rev.DJCTretOUTSAt130, p=0.975, method="gaussian")	DJCTESHIt130	DJCTESMDt130	DJCTESNDt130
DJCTESMOt131<-ES(datDJCTretOUTSAt131$rev.DJCTretOUTSAt131, p=0.975, method="modified")	DJCTESNOt131<-ES(datDJCTretOUTSAt131$rev.DJCTretOUTSAt131, p=0.975, method="gaussian")	DJCTESHIt131	DJCTESMDt131	DJCTESNDt131
DJCTESMOt132<-ES(datDJCTretOUTSAt132$rev.DJCTretOUTSAt132, p=0.975, method="modified")	DJCTESNOt132<-ES(datDJCTretOUTSAt132$rev.DJCTretOUTSAt132, p=0.975, method="gaussian")	DJCTESHIt132	DJCTESMDt132	DJCTESNDt132
DJCTESMOt133<-ES(datDJCTretOUTSAt133$rev.DJCTretOUTSAt133, p=0.975, method="modified")	DJCTESNOt133<-ES(datDJCTretOUTSAt133$rev.DJCTretOUTSAt133, p=0.975, method="gaussian")	DJCTESHIt133	DJCTESMDt133	DJCTESNDt133
DJCTESMOt134<-ES(datDJCTretOUTSAt134$rev.DJCTretOUTSAt134, p=0.975, method="modified")	DJCTESNOt134<-ES(datDJCTretOUTSAt134$rev.DJCTretOUTSAt134, p=0.975, method="gaussian")	DJCTESHIt134	DJCTESMDt134	DJCTESNDt134
DJCTESMOt135<-ES(datDJCTretOUTSAt135$rev.DJCTretOUTSAt135, p=0.975, method="modified")	DJCTESNOt135<-ES(datDJCTretOUTSAt135$rev.DJCTretOUTSAt135, p=0.975, method="gaussian")	DJCTESHIt135	DJCTESMDt135	DJCTESNDt135
DJCTESMOt136<-ES(datDJCTretOUTSAt136$rev.DJCTretOUTSAt136, p=0.975, method="modified")	DJCTESNOt136<-ES(datDJCTretOUTSAt136$rev.DJCTretOUTSAt136, p=0.975, method="gaussian")	DJCTESHIt136	DJCTESMDt136	DJCTESNDt136
DJCTESMOt137<-ES(datDJCTretOUTSAt137$rev.DJCTretOUTSAt137, p=0.975, method="modified")	DJCTESNOt137<-ES(datDJCTretOUTSAt137$rev.DJCTretOUTSAt137, p=0.975, method="gaussian")	DJCTESHIt137	DJCTESMDt137	DJCTESNDt137
DJCTESMOt138<-ES(datDJCTretOUTSAt138$rev.DJCTretOUTSAt138, p=0.975, method="modified")	DJCTESNOt138<-ES(datDJCTretOUTSAt138$rev.DJCTretOUTSAt138, p=0.975, method="gaussian")	DJCTESHIt138	DJCTESMDt138	DJCTESNDt138
DJCTESMOt139<-ES(datDJCTretOUTSAt139$rev.DJCTretOUTSAt139, p=0.975, method="modified")	DJCTESNOt139<-ES(datDJCTretOUTSAt139$rev.DJCTretOUTSAt139, p=0.975, method="gaussian")	DJCTESHIt139	DJCTESMDt139	DJCTESNDt139
DJCTESMOt140<-ES(datDJCTretOUTSAt140$rev.DJCTretOUTSAt140, p=0.975, method="modified")	DJCTESNOt140<-ES(datDJCTretOUTSAt140$rev.DJCTretOUTSAt140, p=0.975, method="gaussian")	DJCTESHIt140	DJCTESMDt140	DJCTESNDt140
DJCTESMOt141<-ES(datDJCTretOUTSAt141$rev.DJCTretOUTSAt141, p=0.975, method="modified")	DJCTESNOt141<-ES(datDJCTretOUTSAt141$rev.DJCTretOUTSAt141, p=0.975, method="gaussian")	DJCTESHIt141	DJCTESMDt141	DJCTESNDt141
DJCTESMOt142<-ES(datDJCTretOUTSAt142$rev.DJCTretOUTSAt142, p=0.975, method="modified")	DJCTESNOt142<-ES(datDJCTretOUTSAt142$rev.DJCTretOUTSAt142, p=0.975, method="gaussian")	DJCTESHIt142	DJCTESMDt142	DJCTESNDt142
DJCTESMOt143<-ES(datDJCTretOUTSAt143$rev.DJCTretOUTSAt143, p=0.975, method="modified")	DJCTESNOt143<-ES(datDJCTretOUTSAt143$rev.DJCTretOUTSAt143, p=0.975, method="gaussian")	DJCTESHIt143	DJCTESMDt143	DJCTESNDt143
DJCTESMOt144<-ES(datDJCTretOUTSAt144$rev.DJCTretOUTSAt144, p=0.975, method="modified")	DJCTESNOt144<-ES(datDJCTretOUTSAt144$rev.DJCTretOUTSAt144, p=0.975, method="gaussian")	DJCTESHIt144	DJCTESMDt144	DJCTESNDt144
DJCTESMOt145<-ES(datDJCTretOUTSAt145$rev.DJCTretOUTSAt145, p=0.975, method="modified")	DJCTESNOt145<-ES(datDJCTretOUTSAt145$rev.DJCTretOUTSAt145, p=0.975, method="gaussian")	DJCTESHIt145	DJCTESMDt145	DJCTESNDt145
DJCTESMOt146<-ES(datDJCTretOUTSAt146$rev.DJCTretOUTSAt146, p=0.975, method="modified")	DJCTESNOt146<-ES(datDJCTretOUTSAt146$rev.DJCTretOUTSAt146, p=0.975, method="gaussian")	DJCTESHIt146	DJCTESMDt146	DJCTESNDt146
DJCTESMOt147<-ES(datDJCTretOUTSAt147$rev.DJCTretOUTSAt147, p=0.975, method="modified")	DJCTESNOt147<-ES(datDJCTretOUTSAt147$rev.DJCTretOUTSAt147, p=0.975, method="gaussian")	DJCTESHIt147	DJCTESMDt147	DJCTESNDt147
DJCTESMOt148<-ES(datDJCTretOUTSAt148$rev.DJCTretOUTSAt148, p=0.975, method="modified")	DJCTESNOt148<-ES(datDJCTretOUTSAt148$rev.DJCTretOUTSAt148, p=0.975, method="gaussian")	DJCTESHIt148	DJCTESMDt148	DJCTESNDt148
DJCTESMOt149<-ES(datDJCTretOUTSAt149$rev.DJCTretOUTSAt149, p=0.975, method="modified")	DJCTESNOt149<-ES(datDJCTretOUTSAt149$rev.DJCTretOUTSAt149, p=0.975, method="gaussian")	DJCTESHIt149	DJCTESMDt149	DJCTESNDt149
DJCTESMOt150<-ES(datDJCTretOUTSAt150$rev.DJCTretOUTSAt150, p=0.975, method="modified")	DJCTESNOt150<-ES(datDJCTretOUTSAt150$rev.DJCTretOUTSAt150, p=0.975, method="gaussian")	DJCTESHIt150	DJCTESMDt150	DJCTESNDt150
DJCTESMOt151<-ES(datDJCTretOUTSAt151$rev.DJCTretOUTSAt151, p=0.975, method="modified")	DJCTESNOt151<-ES(datDJCTretOUTSAt151$rev.DJCTretOUTSAt151, p=0.975, method="gaussian")	DJCTESHIt151	DJCTESMDt151	DJCTESNDt151
DJCTESMOt152<-ES(datDJCTretOUTSAt152$rev.DJCTretOUTSAt152, p=0.975, method="modified")	DJCTESNOt152<-ES(datDJCTretOUTSAt152$rev.DJCTretOUTSAt152, p=0.975, method="gaussian")	DJCTESHIt152	DJCTESMDt152	DJCTESNDt152
DJCTESMOt153<-ES(datDJCTretOUTSAt153$rev.DJCTretOUTSAt153, p=0.975, method="modified")	DJCTESNOt153<-ES(datDJCTretOUTSAt153$rev.DJCTretOUTSAt153, p=0.975, method="gaussian")	DJCTESHIt153	DJCTESMDt153	DJCTESNDt153
DJCTESMOt154<-ES(datDJCTretOUTSAt154$rev.DJCTretOUTSAt154, p=0.975, method="modified")	DJCTESNOt154<-ES(datDJCTretOUTSAt154$rev.DJCTretOUTSAt154, p=0.975, method="gaussian")	DJCTESHIt154	DJCTESMDt154	DJCTESNDt154
DJCTESMOt155<-ES(datDJCTretOUTSAt155$rev.DJCTretOUTSAt155, p=0.975, method="modified")	DJCTESNOt155<-ES(datDJCTretOUTSAt155$rev.DJCTretOUTSAt155, p=0.975, method="gaussian")	DJCTESHIt155	DJCTESMDt155	DJCTESNDt155
DJCTESMOt156<-ES(datDJCTretOUTSAt156$rev.DJCTretOUTSAt156, p=0.975, method="modified")	DJCTESNOt156<-ES(datDJCTretOUTSAt156$rev.DJCTretOUTSAt156, p=0.975, method="gaussian")	DJCTESHIt156	DJCTESMDt156	DJCTESNDt156
DJCTESMOt157<-ES(datDJCTretOUTSAt157$rev.DJCTretOUTSAt157, p=0.975, method="modified")	DJCTESNOt157<-ES(datDJCTretOUTSAt157$rev.DJCTretOUTSAt157, p=0.975, method="gaussian")	DJCTESHIt157	DJCTESMDt157	DJCTESNDt157
DJCTESMOt158<-ES(datDJCTretOUTSAt158$rev.DJCTretOUTSAt158, p=0.975, method="modified")	DJCTESNOt158<-ES(datDJCTretOUTSAt158$rev.DJCTretOUTSAt158, p=0.975, method="gaussian")	DJCTESHIt158	DJCTESMDt158	DJCTESNDt158
DJCTESMOt159<-ES(datDJCTretOUTSAt159$rev.DJCTretOUTSAt159, p=0.975, method="modified")	DJCTESNOt159<-ES(datDJCTretOUTSAt159$rev.DJCTretOUTSAt159, p=0.975, method="gaussian")	DJCTESHIt159	DJCTESMDt159	DJCTESNDt159
DJCTESMOt160<-ES(datDJCTretOUTSAt160$rev.DJCTretOUTSAt160, p=0.975, method="modified")	DJCTESNOt160<-ES(datDJCTretOUTSAt160$rev.DJCTretOUTSAt160, p=0.975, method="gaussian")	DJCTESHIt160	DJCTESMDt160	DJCTESNDt160
DJCTESMOt161<-ES(datDJCTretOUTSAt161$rev.DJCTretOUTSAt161, p=0.975, method="modified")	DJCTESNOt161<-ES(datDJCTretOUTSAt161$rev.DJCTretOUTSAt161, p=0.975, method="gaussian")	DJCTESHIt161	DJCTESMDt161	DJCTESNDt161
DJCTESMOt162<-ES(datDJCTretOUTSAt162$rev.DJCTretOUTSAt162, p=0.975, method="modified")	DJCTESNOt162<-ES(datDJCTretOUTSAt162$rev.DJCTretOUTSAt162, p=0.975, method="gaussian")	DJCTESHIt162	DJCTESMDt162	DJCTESNDt162
DJCTESMOt163<-ES(datDJCTretOUTSAt163$rev.DJCTretOUTSAt163, p=0.975, method="modified")	DJCTESNOt163<-ES(datDJCTretOUTSAt163$rev.DJCTretOUTSAt163, p=0.975, method="gaussian")	DJCTESHIt163	DJCTESMDt163	DJCTESNDt163
DJCTESMOt164<-ES(datDJCTretOUTSAt164$rev.DJCTretOUTSAt164, p=0.975, method="modified")	DJCTESNOt164<-ES(datDJCTretOUTSAt164$rev.DJCTretOUTSAt164, p=0.975, method="gaussian")	DJCTESHIt164	DJCTESMDt164	DJCTESNDt164
DJCTESMOt165<-ES(datDJCTretOUTSAt165$rev.DJCTretOUTSAt165, p=0.975, method="modified")	DJCTESNOt165<-ES(datDJCTretOUTSAt165$rev.DJCTretOUTSAt165, p=0.975, method="gaussian")	DJCTESHIt165	DJCTESMDt165	DJCTESNDt165
DJCTESMOt166<-ES(datDJCTretOUTSAt166$rev.DJCTretOUTSAt166, p=0.975, method="modified")	DJCTESNOt166<-ES(datDJCTretOUTSAt166$rev.DJCTretOUTSAt166, p=0.975, method="gaussian")	DJCTESHIt166	DJCTESMDt166	DJCTESNDt166
DJCTESMOt167<-ES(datDJCTretOUTSAt167$rev.DJCTretOUTSAt167, p=0.975, method="modified")	DJCTESNOt167<-ES(datDJCTretOUTSAt167$rev.DJCTretOUTSAt167, p=0.975, method="gaussian")	DJCTESHIt167	DJCTESMDt167	DJCTESNDt167
DJCTESMOt168<-ES(datDJCTretOUTSAt168$rev.DJCTretOUTSAt168, p=0.975, method="modified")	DJCTESNOt168<-ES(datDJCTretOUTSAt168$rev.DJCTretOUTSAt168, p=0.975, method="gaussian")	DJCTESHIt168	DJCTESMDt168	DJCTESNDt168
DJCTESMOt169<-ES(datDJCTretOUTSAt169$rev.DJCTretOUTSAt169, p=0.975, method="modified")	DJCTESNOt169<-ES(datDJCTretOUTSAt169$rev.DJCTretOUTSAt169, p=0.975, method="gaussian")	DJCTESHIt169	DJCTESMDt169	DJCTESNDt169
DJCTESMOt170<-ES(datDJCTretOUTSAt170$rev.DJCTretOUTSAt170, p=0.975, method="modified")	DJCTESNOt170<-ES(datDJCTretOUTSAt170$rev.DJCTretOUTSAt170, p=0.975, method="gaussian")	DJCTESHIt170	DJCTESMDt170	DJCTESNDt170
DJCTESMOt171<-ES(datDJCTretOUTSAt171$rev.DJCTretOUTSAt171, p=0.975, method="modified")	DJCTESNOt171<-ES(datDJCTretOUTSAt171$rev.DJCTretOUTSAt171, p=0.975, method="gaussian")	DJCTESHIt171	DJCTESMDt171	DJCTESNDt171
DJCTESMOt172<-ES(datDJCTretOUTSAt172$rev.DJCTretOUTSAt172, p=0.975, method="modified")	DJCTESNOt172<-ES(datDJCTretOUTSAt172$rev.DJCTretOUTSAt172, p=0.975, method="gaussian")	DJCTESHIt172	DJCTESMDt172	DJCTESNDt172
DJCTESMOt173<-ES(datDJCTretOUTSAt173$rev.DJCTretOUTSAt173, p=0.975, method="modified")	DJCTESNOt173<-ES(datDJCTretOUTSAt173$rev.DJCTretOUTSAt173, p=0.975, method="gaussian")	DJCTESHIt173	DJCTESMDt173	DJCTESNDt173
DJCTESMOt174<-ES(datDJCTretOUTSAt174$rev.DJCTretOUTSAt174, p=0.975, method="modified")	DJCTESNOt174<-ES(datDJCTretOUTSAt174$rev.DJCTretOUTSAt174, p=0.975, method="gaussian")	DJCTESHIt174	DJCTESMDt174	DJCTESNDt174
DJCTESMOt175<-ES(datDJCTretOUTSAt175$rev.DJCTretOUTSAt175, p=0.975, method="modified")	DJCTESNOt175<-ES(datDJCTretOUTSAt175$rev.DJCTretOUTSAt175, p=0.975, method="gaussian")	DJCTESHIt175	DJCTESMDt175	DJCTESNDt175
DJCTESMOt176<-ES(datDJCTretOUTSAt176$rev.DJCTretOUTSAt176, p=0.975, method="modified")	DJCTESNOt176<-ES(datDJCTretOUTSAt176$rev.DJCTretOUTSAt176, p=0.975, method="gaussian")	DJCTESHIt176	DJCTESMDt176	DJCTESNDt176
DJCTESMOt177<-ES(datDJCTretOUTSAt177$rev.DJCTretOUTSAt177, p=0.975, method="modified")	DJCTESNOt177<-ES(datDJCTretOUTSAt177$rev.DJCTretOUTSAt177, p=0.975, method="gaussian")	DJCTESHIt177	DJCTESMDt177	DJCTESNDt177
DJCTESMOt178<-ES(datDJCTretOUTSAt178$rev.DJCTretOUTSAt178, p=0.975, method="modified")	DJCTESNOt178<-ES(datDJCTretOUTSAt178$rev.DJCTretOUTSAt178, p=0.975, method="gaussian")	DJCTESHIt178	DJCTESMDt178	DJCTESNDt178
DJCTESMOt179<-ES(datDJCTretOUTSAt179$rev.DJCTretOUTSAt179, p=0.975, method="modified")	DJCTESNOt179<-ES(datDJCTretOUTSAt179$rev.DJCTretOUTSAt179, p=0.975, method="gaussian")	DJCTESHIt179	DJCTESMDt179	DJCTESNDt179
DJCTESMOt180<-ES(datDJCTretOUTSAt180$rev.DJCTretOUTSAt180, p=0.975, method="modified")	DJCTESNOt180<-ES(datDJCTretOUTSAt180$rev.DJCTretOUTSAt180, p=0.975, method="gaussian")	DJCTESHIt180	DJCTESMDt180	DJCTESNDt180
DJCTESMOt181<-ES(datDJCTretOUTSAt181$rev.DJCTretOUTSAt181, p=0.975, method="modified")	DJCTESNOt181<-ES(datDJCTretOUTSAt181$rev.DJCTretOUTSAt181, p=0.975, method="gaussian")	DJCTESHIt181	DJCTESMDt181	DJCTESNDt181
DJLEESMOt1<-ES(datDJLEretOUTSAt1$rev.DJLEretOUTSAt1, p=0.975, method="modified")	DJLEESNOt1<-ES(datDJLEretOUTSAt1$rev.DJLEretOUTSAt1, p=0.975, method="gaussian")	DJLEESHIt1	DJLEESMDt1	DJLEESNDt1
DJLEESMOt2<-ES(datDJLEretOUTSAt2$rev.DJLEretOUTSAt2, p=0.975, method="modified")	DJLEESNOt2<-ES(datDJLEretOUTSAt2$rev.DJLEretOUTSAt2, p=0.975, method="gaussian")	DJLEESHIt2	DJLEESMDt2	DJLEESNDt2
DJLEESMOt3<-ES(datDJLEretOUTSAt3$rev.DJLEretOUTSAt3, p=0.975, method="modified")	DJLEESNOt3<-ES(datDJLEretOUTSAt3$rev.DJLEretOUTSAt3, p=0.975, method="gaussian")	DJLEESHIt3	DJLEESMDt3	DJLEESNDt3
DJLEESMOt4<-ES(datDJLEretOUTSAt4$rev.DJLEretOUTSAt4, p=0.975, method="modified")	DJLEESNOt4<-ES(datDJLEretOUTSAt4$rev.DJLEretOUTSAt4, p=0.975, method="gaussian")	DJLEESHIt4	DJLEESMDt4	DJLEESNDt4
DJLEESMOt5<-ES(datDJLEretOUTSAt5$rev.DJLEretOUTSAt5, p=0.975, method="modified")	DJLEESNOt5<-ES(datDJLEretOUTSAt5$rev.DJLEretOUTSAt5, p=0.975, method="gaussian")	DJLEESHIt5	DJLEESMDt5	DJLEESNDt5
DJLEESMOt6<-ES(datDJLEretOUTSAt6$rev.DJLEretOUTSAt6, p=0.975, method="modified")	DJLEESNOt6<-ES(datDJLEretOUTSAt6$rev.DJLEretOUTSAt6, p=0.975, method="gaussian")	DJLEESHIt6	DJLEESMDt6	DJLEESNDt6
DJLEESMOt7<-ES(datDJLEretOUTSAt7$rev.DJLEretOUTSAt7, p=0.975, method="modified")	DJLEESNOt7<-ES(datDJLEretOUTSAt7$rev.DJLEretOUTSAt7, p=0.975, method="gaussian")	DJLEESHIt7	DJLEESMDt7	DJLEESNDt7
DJLEESMOt8<-ES(datDJLEretOUTSAt8$rev.DJLEretOUTSAt8, p=0.975, method="modified")	DJLEESNOt8<-ES(datDJLEretOUTSAt8$rev.DJLEretOUTSAt8, p=0.975, method="gaussian")	DJLEESHIt8	DJLEESMDt8	DJLEESNDt8
DJLEESMOt9<-ES(datDJLEretOUTSAt9$rev.DJLEretOUTSAt9, p=0.975, method="modified")	DJLEESNOt9<-ES(datDJLEretOUTSAt9$rev.DJLEretOUTSAt9, p=0.975, method="gaussian")	DJLEESHIt9	DJLEESMDt9	DJLEESNDt9
DJLEESMOt10<-ES(datDJLEretOUTSAt10$rev.DJLEretOUTSAt10, p=0.975, method="modified")	DJLEESNOt10<-ES(datDJLEretOUTSAt10$rev.DJLEretOUTSAt10, p=0.975, method="gaussian")	DJLEESHIt10	DJLEESMDt10	DJLEESNDt10
DJLEESMOt11<-ES(datDJLEretOUTSAt11$rev.DJLEretOUTSAt11, p=0.975, method="modified")	DJLEESNOt11<-ES(datDJLEretOUTSAt11$rev.DJLEretOUTSAt11, p=0.975, method="gaussian")	DJLEESHIt11	DJLEESMDt11	DJLEESNDt11
DJLEESMOt12<-ES(datDJLEretOUTSAt12$rev.DJLEretOUTSAt12, p=0.975, method="modified")	DJLEESNOt12<-ES(datDJLEretOUTSAt12$rev.DJLEretOUTSAt12, p=0.975, method="gaussian")	DJLEESHIt12	DJLEESMDt12	DJLEESNDt12
DJLEESMOt13<-ES(datDJLEretOUTSAt13$rev.DJLEretOUTSAt13, p=0.975, method="modified")	DJLEESNOt13<-ES(datDJLEretOUTSAt13$rev.DJLEretOUTSAt13, p=0.975, method="gaussian")	DJLEESHIt13	DJLEESMDt13	DJLEESNDt13
DJLEESMOt14<-ES(datDJLEretOUTSAt14$rev.DJLEretOUTSAt14, p=0.975, method="modified")	DJLEESNOt14<-ES(datDJLEretOUTSAt14$rev.DJLEretOUTSAt14, p=0.975, method="gaussian")	DJLEESHIt14	DJLEESMDt14	DJLEESNDt14
DJLEESMOt15<-ES(datDJLEretOUTSAt15$rev.DJLEretOUTSAt15, p=0.975, method="modified")	DJLEESNOt15<-ES(datDJLEretOUTSAt15$rev.DJLEretOUTSAt15, p=0.975, method="gaussian")	DJLEESHIt15	DJLEESMDt15	DJLEESNDt15
DJLEESMOt16<-ES(datDJLEretOUTSAt16$rev.DJLEretOUTSAt16, p=0.975, method="modified")	DJLEESNOt16<-ES(datDJLEretOUTSAt16$rev.DJLEretOUTSAt16, p=0.975, method="gaussian")	DJLEESHIt16	DJLEESMDt16	DJLEESNDt16
DJLEESMOt17<-ES(datDJLEretOUTSAt17$rev.DJLEretOUTSAt17, p=0.975, method="modified")	DJLEESNOt17<-ES(datDJLEretOUTSAt17$rev.DJLEretOUTSAt17, p=0.975, method="gaussian")	DJLEESHIt17	DJLEESMDt17	DJLEESNDt17
DJLEESMOt18<-ES(datDJLEretOUTSAt18$rev.DJLEretOUTSAt18, p=0.975, method="modified")	DJLEESNOt18<-ES(datDJLEretOUTSAt18$rev.DJLEretOUTSAt18, p=0.975, method="gaussian")	DJLEESHIt18	DJLEESMDt18	DJLEESNDt18
DJLEESMOt19<-ES(datDJLEretOUTSAt19$rev.DJLEretOUTSAt19, p=0.975, method="modified")	DJLEESNOt19<-ES(datDJLEretOUTSAt19$rev.DJLEretOUTSAt19, p=0.975, method="gaussian")	DJLEESHIt19	DJLEESMDt19	DJLEESNDt19
DJLEESMOt20<-ES(datDJLEretOUTSAt20$rev.DJLEretOUTSAt20, p=0.975, method="modified")	DJLEESNOt20<-ES(datDJLEretOUTSAt20$rev.DJLEretOUTSAt20, p=0.975, method="gaussian")	DJLEESHIt20	DJLEESMDt20	DJLEESNDt20
DJLEESMOt21<-ES(datDJLEretOUTSAt21$rev.DJLEretOUTSAt21, p=0.975, method="modified")	DJLEESNOt21<-ES(datDJLEretOUTSAt21$rev.DJLEretOUTSAt21, p=0.975, method="gaussian")	DJLEESHIt21	DJLEESMDt21	DJLEESNDt21
DJLEESMOt22<-ES(datDJLEretOUTSAt22$rev.DJLEretOUTSAt22, p=0.975, method="modified")	DJLEESNOt22<-ES(datDJLEretOUTSAt22$rev.DJLEretOUTSAt22, p=0.975, method="gaussian")	DJLEESHIt22	DJLEESMDt22	DJLEESNDt22
DJLEESMOt23<-ES(datDJLEretOUTSAt23$rev.DJLEretOUTSAt23, p=0.975, method="modified")	DJLEESNOt23<-ES(datDJLEretOUTSAt23$rev.DJLEretOUTSAt23, p=0.975, method="gaussian")	DJLEESHIt23	DJLEESMDt23	DJLEESNDt23
DJLEESMOt24<-ES(datDJLEretOUTSAt24$rev.DJLEretOUTSAt24, p=0.975, method="modified")	DJLEESNOt24<-ES(datDJLEretOUTSAt24$rev.DJLEretOUTSAt24, p=0.975, method="gaussian")	DJLEESHIt24	DJLEESMDt24	DJLEESNDt24
DJLEESMOt25<-ES(datDJLEretOUTSAt25$rev.DJLEretOUTSAt25, p=0.975, method="modified")	DJLEESNOt25<-ES(datDJLEretOUTSAt25$rev.DJLEretOUTSAt25, p=0.975, method="gaussian")	DJLEESHIt25	DJLEESMDt25	DJLEESNDt25
DJLEESMOt26<-ES(datDJLEretOUTSAt26$rev.DJLEretOUTSAt26, p=0.975, method="modified")	DJLEESNOt26<-ES(datDJLEretOUTSAt26$rev.DJLEretOUTSAt26, p=0.975, method="gaussian")	DJLEESHIt26	DJLEESMDt26	DJLEESNDt26
DJLEESMOt27<-ES(datDJLEretOUTSAt27$rev.DJLEretOUTSAt27, p=0.975, method="modified")	DJLEESNOt27<-ES(datDJLEretOUTSAt27$rev.DJLEretOUTSAt27, p=0.975, method="gaussian")	DJLEESHIt27	DJLEESMDt27	DJLEESNDt27
DJLEESMOt28<-ES(datDJLEretOUTSAt28$rev.DJLEretOUTSAt28, p=0.975, method="modified")	DJLEESNOt28<-ES(datDJLEretOUTSAt28$rev.DJLEretOUTSAt28, p=0.975, method="gaussian")	DJLEESHIt28	DJLEESMDt28	DJLEESNDt28
DJLEESMOt29<-ES(datDJLEretOUTSAt29$rev.DJLEretOUTSAt29, p=0.975, method="modified")	DJLEESNOt29<-ES(datDJLEretOUTSAt29$rev.DJLEretOUTSAt29, p=0.975, method="gaussian")	DJLEESHIt29	DJLEESMDt29	DJLEESNDt29
DJLEESMOt30<-ES(datDJLEretOUTSAt30$rev.DJLEretOUTSAt30, p=0.975, method="modified")	DJLEESNOt30<-ES(datDJLEretOUTSAt30$rev.DJLEretOUTSAt30, p=0.975, method="gaussian")	DJLEESHIt30	DJLEESMDt30	DJLEESNDt30
DJLEESMOt31<-ES(datDJLEretOUTSAt31$rev.DJLEretOUTSAt31, p=0.975, method="modified")	DJLEESNOt31<-ES(datDJLEretOUTSAt31$rev.DJLEretOUTSAt31, p=0.975, method="gaussian")	DJLEESHIt31	DJLEESMDt31	DJLEESNDt31
DJLEESMOt32<-ES(datDJLEretOUTSAt32$rev.DJLEretOUTSAt32, p=0.975, method="modified")	DJLEESNOt32<-ES(datDJLEretOUTSAt32$rev.DJLEretOUTSAt32, p=0.975, method="gaussian")	DJLEESHIt32	DJLEESMDt32	DJLEESNDt32
DJLEESMOt33<-ES(datDJLEretOUTSAt33$rev.DJLEretOUTSAt33, p=0.975, method="modified")	DJLEESNOt33<-ES(datDJLEretOUTSAt33$rev.DJLEretOUTSAt33, p=0.975, method="gaussian")	DJLEESHIt33	DJLEESMDt33	DJLEESNDt33
DJLEESMOt34<-ES(datDJLEretOUTSAt34$rev.DJLEretOUTSAt34, p=0.975, method="modified")	DJLEESNOt34<-ES(datDJLEretOUTSAt34$rev.DJLEretOUTSAt34, p=0.975, method="gaussian")	DJLEESHIt34	DJLEESMDt34	DJLEESNDt34
DJLEESMOt35<-ES(datDJLEretOUTSAt35$rev.DJLEretOUTSAt35, p=0.975, method="modified")	DJLEESNOt35<-ES(datDJLEretOUTSAt35$rev.DJLEretOUTSAt35, p=0.975, method="gaussian")	DJLEESHIt35	DJLEESMDt35	DJLEESNDt35
DJLEESMOt36<-ES(datDJLEretOUTSAt36$rev.DJLEretOUTSAt36, p=0.975, method="modified")	DJLEESNOt36<-ES(datDJLEretOUTSAt36$rev.DJLEretOUTSAt36, p=0.975, method="gaussian")	DJLEESHIt36	DJLEESMDt36	DJLEESNDt36
DJLEESMOt37<-ES(datDJLEretOUTSAt37$rev.DJLEretOUTSAt37, p=0.975, method="modified")	DJLEESNOt37<-ES(datDJLEretOUTSAt37$rev.DJLEretOUTSAt37, p=0.975, method="gaussian")	DJLEESHIt37	DJLEESMDt37	DJLEESNDt37
DJLEESMOt38<-ES(datDJLEretOUTSAt38$rev.DJLEretOUTSAt38, p=0.975, method="modified")	DJLEESNOt38<-ES(datDJLEretOUTSAt38$rev.DJLEretOUTSAt38, p=0.975, method="gaussian")	DJLEESHIt38	DJLEESMDt38	DJLEESNDt38
DJLEESMOt39<-ES(datDJLEretOUTSAt39$rev.DJLEretOUTSAt39, p=0.975, method="modified")	DJLEESNOt39<-ES(datDJLEretOUTSAt39$rev.DJLEretOUTSAt39, p=0.975, method="gaussian")	DJLEESHIt39	DJLEESMDt39	DJLEESNDt39
DJLEESMOt40<-ES(datDJLEretOUTSAt40$rev.DJLEretOUTSAt40, p=0.975, method="modified")	DJLEESNOt40<-ES(datDJLEretOUTSAt40$rev.DJLEretOUTSAt40, p=0.975, method="gaussian")	DJLEESHIt40	DJLEESMDt40	DJLEESNDt40
DJLEESMOt41<-

D3LEESMOt61<-ES(datD3LEretOUTSAt61$rev.D3LEretOUTSAt61, p=0.975, method="modified")	D3LEESNOt61<-ES(datD3LEretOUTSAt61$rev.D3LEretOUTSAt61, p=0.975, method="gaussian")	D3LEESHIt61	D3LEESMOt61	D3LEESNOt61
D3LEESMOt62<-ES(datD3LEretOUTSAt62$rev.D3LEretOUTSAt62, p=0.975, method="modified")	D3LEESNOt62<-ES(datD3LEretOUTSAt62$rev.D3LEretOUTSAt62, p=0.975, method="gaussian")	D3LEESHIt62	D3LEESMOt62	D3LEESNOt62
D3LEESMOt63<-ES(datD3LEretOUTSAt63$rev.D3LEretOUTSAt63, p=0.975, method="modified")	D3LEESNOt63<-ES(datD3LEretOUTSAt63$rev.D3LEretOUTSAt63, p=0.975, method="gaussian")	D3LEESHIt63	D3LEESMOt63	D3LEESNOt63

DJGOESMOt7<-ES(datDJGOretOUTSAt7$rev.DJGOretOUTSAt7, p=0.975, method="modified")	DJGOESNOt7<-ES(datDJGOretOUTSAt7$rev.DJGOretOUTSAt7, p=0.975, method="gaussian")	DJGOESHIt7	DJGOESMOt7	DJGOESNOt7
DJGOESMOt8<-ES(datDJGOretOUTSAt8$rev.DJGOretOUTSAt8, p=0.975, method="modified")	DJGOESNOt8<-ES(datDJGOretOUTSAt8$rev.DJGOretOUTSAt8, p=0.975, method="gaussian")	DJGOESHIt8	DJGOESMOt8	DJGOESNOt8
DJGOESMOt9<-ES(datDJGOretOUTSAt9$rev.DJGOretOUTSAt9, p=0.975, method="modified")	DJGOESNOt9<-ES(datDJGOretOUTSAt9$rev.DJGOretOUTSAt9, p=0.975, method="gaussian")	DJGOESHIt9	DJGOESMOt9	DJGOESNOt9

DJGOESMOt136<-ES(datDJGOretOUTSAt136$rev.DJGOretOUTSAt136, p=0.975, method="modified")	DJGOESNOt136<-ES(datDJGOretOUTSAt136$rev.DJGOretOUTSAt136, p=0.975, method="gaussian")	DJGOESHIt136	DJGOESMOt136	DJGOESNOt136
DJGOESMOt137<-ES(datDJGOretOUTSAt137$rev.DJGOretOUTSAt137, p=0.975, method="modified")	DJGOESNOt137<-ES(datDJGOretOUTSAt137$rev.DJGOretOUTSAt137, p=0.975, method="gaussian")	DJGOESHIt137	DJGOESMOt137	DJGOESNOt137
DJGOESMOt138<-ES(datDJGOretOUTSAt138$rev.DJGOretOUTSAt138, p=0.975, method="modified")	DJGOESNOt138<-ES(datDJGOretOUTSAt138$rev.DJGOretOUTSAt138, p=0.975, method="gaussian")	DJGOESHIt138	DJGOESMOt138	DJGOESNOt138
DJGOESMOt139<-ES(datDJGOretOUTSAt139$rev.DJGOretOUTSAt139, p=0.975, method="modified")	DJGOESNOt139<-ES(datDJGOretOUTSAt139$rev.DJGOretOUTSAt139, p=0.975, method="gaussian")	DJGOESHIt139	DJGOESMOt139	DJGOESNOt139
DJGOESMOt140<-ES(datDJGOretOUTSAt140$rev.DJGOretOUTSAt140, p=0.975, method="modified")	DJGOESNOt140<-ES(datDJGOretOUTSAt140$rev.DJGOretOUTSAt140, p=0.975, method="gaussian")	DJGOESHIt140	DJGOESMOt140	DJGOESNOt140
DJGOESMOt141<-ES(datDJGOretOUTSAt141$rev.DJGOretOUTSAt141, p=0.975, method="modified")	DJGOESNOt141<-ES(datDJGOretOUTSAt141$rev.DJGOretOUTSAt141, p=0.975, method="gaussian")	DJGOESHIt141	DJGOESMOt141	DJGOESNOt141
DJGOESMOt142<-ES(datDJGOretOUTSAt142$rev.DJGOretOUTSAt142, p=0.975, method="modified")	DJGOESNOt142<-ES(datDJGOretOUTSAt142$rev.DJGOretOUTSAt142, p=0.975, method="gaussian")	DJGOESHIt142	DJGOESMOt142	DJGOESNOt142
DJGOESMOt143<-ES(datDJGOretOUTSAt143$rev.DJGOretOUTSAt143, p=0.975, method="modified")	DJGOESNOt143<-ES(datDJGOretOUTSAt143$rev.DJGOretOUTSAt143, p=0.975, method="gaussian")	DJGOESHIt143	DJGOESMOt143	DJGOESNOt143
DJGOESMOt144<-ES(datDJGOretOUTSAt144$rev.DJGOretOUTSAt144, p=0.975, method="modified")	DJGOESNOt144<-ES(datDJGOretOUTSAt144$rev.DJGOretOUTSAt144, p=0.975, method="gaussian")	DJGOESHIt144	DJGOESMOt144	DJGOESNOt144
DJGOESMOt145<-ES(datDJGOretOUTSAt145$rev.DJGOretOUTSAt145, p=0.975, method="modified")	DJGOESNOt145<-ES(datDJGOretOUTSAt145$rev.DJGOretOUTSAt145, p=0.975, method="gaussian")	DJGOESHIt145	DJGOESMOt145	DJGOESNOt145
DJGOESMOt146<-ES(datDJGOretOUTSAt146$rev.DJGOretOUTSAt146, p=0.975, method="modified")	DJGOESNOt146<-ES(datDJGOretOUTSAt146$rev.DJGOretOUTSAt146, p=0.975, method="gaussian")	DJGOESHIt146	DJGOESMOt146	DJGOESNOt146
DJGOESMOt147<-ES(datDJGOretOUTSAt147$rev.DJGOretOUTSAt147, p=0.975, method="modified")	DJGOESNOt147<-ES(datDJGOretOUTSAt147$rev.DJGOretOUTSAt147, p=0.975, method="gaussian")	DJGOESHIt147	DJGOESMOt147	DJGOESNOt147
DJGOESMOt148<-ES(datDJGOretOUTSAt148$rev.DJGOretOUTSAt148, p=0.975, method="modified")	DJGOESNOt148<-ES(datDJGOretOUTSAt148$rev.DJGOretOUTSAt148, p=0.975, method="gaussian")	DJGOESHIt148	DJGOESMOt148	DJGOESNOt148
DJGOESMOt149<-ES(datDJGOretOUTSAt149$rev.DJGOretOUTSAt149, p=0.975, method="modified")	DJGOESNOt149<-ES(datDJGOretOUTSAt149$rev.DJGOretOUTSAt149, p=0.975, method="gaussian")	DJGOESHIt149	DJGOESMOt149	DJGOESNOt149
DJGOESMOt150<-ES(datDJGOretOUTSAt150$rev.DJGOretOUTSAt150, p=0.975, method="modified")	DJGOESNOt150<-ES(datDJGOretOUTSAt150$rev.DJGOretOUTSAt150, p=0.975, method="gaussian")	DJGOESHIt150	DJGOESMOt150	DJGOESNOt150
DJGOESMOt151<-ES(datDJGOretOUTSAt151$rev.DJGOretOUTSAt151, p=0.975, method="modified")	DJGOESNOt151<-ES(datDJGOretOUTSAt151$rev.DJGOretOUTSAt151, p=0.975, method="gaussian")	DJGOESHIt151	DJGOESMOt151	DJGOESNOt151
DJGOESMOt152<-ES(datDJGOretOUTSAt152$rev.DJGOretOUTSAt152, p=0.975, method="modified")	DJGOESNOt152<-ES(datDJGOretOUTSAt152$rev.DJGOretOUTSAt152, p=0.975, method="gaussian")	DJGOESHIt152	DJGOESMOt152	DJGOESNOt152
DJGOESMOt153<-ES(datDJGOretOUTSAt153$rev.DJGOretOUTSAt153, p=0.975, method="modified")	DJGOESNOt153<-ES(datDJGOretOUTSAt153$rev.DJGOretOUTSAt153, p=0.975, method="gaussian")	DJGOESHIt153	DJGOESMOt153	DJGOESNOt153
DJGOESMOt154<-ES(datDJGOretOUTSAt154$rev.DJGOretOUTSAt154, p=0.975, method="modified")	DJGOESNOt154<-ES(datDJGOretOUTSAt154$rev.DJGOretOUTSAt154, p=0.975, method="gaussian")	DJGOESHIt154	DJGOESMOt154	DJGOESNOt154
DJGOESMOt155<-ES(datDJGOretOUTSAt155$rev.DJGOretOUTSAt155, p=0.975, method="modified")	DJGOESNOt155<-ES(datDJGOretOUTSAt155$rev.DJGOretOUTSAt155, p=0.975, method="gaussian")	DJGOESHIt155	DJGOESMOt155	DJGOESNOt155
DJGOESMOt156<-ES(datDJGOretOUTSAt156$rev.DJGOretOUTSAt156, p=0.975, method="modified")	DJGOESNOt156<-ES(datDJGOretOUTSAt156$rev.DJGOretOUTSAt156, p=0.975, method="gaussian")	DJGOESHIt156	DJGOESMOt156	DJGOESNOt156
DJGOESMOt157<-ES(datDJGOretOUTSAt157$rev.DJGOretOUTSAt157, p=0.975, method="modified")	DJGOESNOt157<-ES(datDJGOretOUTSAt157$rev.DJGOretOUTSAt157, p=0.975, method="gaussian")	DJGOESHIt157	DJGOESMOt157	DJGOESNOt157
DJGOESMOt158<-ES(datDJGOretOUTSAt158$rev.DJGOretOUTSAt158, p=0.975, method="modified")	DJGOESNOt158<-ES(datDJGOretOUTSAt158$rev.DJGOretOUTSAt158, p=0.975, method="gaussian")	DJGOESHIt158	DJGOESMOt158	DJGOESNOt158
DJGOESMOt159<-ES(datDJGOretOUTSAt159$rev.DJGOretOUTSAt159, p=0.975, method="modified")	DJGOESNOt159<-ES(datDJGOretOUTSAt159$rev.DJGOretOUTSAt159, p=0.975, method="gaussian")	DJGOESHIt159	DJGOESMOt159	DJGOESNOt159
DJGOESMOt160<-ES(datDJGOretOUTSAt160$rev.DJGOretOUTSAt160, p=0.975, method="modified")	DJGOESNOt160<-ES(datDJGOretOUTSAt160$rev.DJGOretOUTSAt160, p=0.975, method="gaussian")	DJGOESHIt160	DJGOESMOt160	DJGOESNOt160
DJGOESMOt161<-ES(datDJGOretOUTSAt161$rev.DJGOretOUTSAt161, p=0.975, method="modified")	DJGOESNOt161<-ES(datDJGOretOUTSAt161$rev.DJGOretOUTSAt161, p=0.975, method="gaussian")	DJGOESHIt161	DJGOESMOt161	DJGOESNOt161
DJGOESMOt162<-ES(datDJGOretOUTSAt162$rev.DJGOretOUTSAt162, p=0.975, method="modified")	DJGOESNOt162<-ES(datDJGOretOUTSAt162$rev.DJGOretOUTSAt162, p=0.975, method="gaussian")	DJGOESHIt162	DJGOESMOt162	DJGOESNOt162
DJGOESMOt163<-ES(datDJGOretOUTSAt163$rev.DJGOretOUTSAt163, p=0.975, method="modified")	DJGOESNOt163<-ES(datDJGOretOUTSAt163$rev.DJGOretOUTSAt163, p=0.975, method="gaussian")	DJGOESHIt163	DJGOESMOt163	DJGOESNOt163
DJGOESMOt164<-ES(datDJGOretOUTSAt164$rev.DJGOretOUTSAt164, p=0.975, method="modified")	DJGOESNOt164<-ES(datDJGOretOUTSAt164$rev.DJGOretOUTSAt164, p=0.975, method="gaussian")	DJGOESHIt164	DJGOESMOt164	DJGOESNOt164
DJGOESMOt165<-ES(datDJGOretOUTSAt165$rev.DJGOretOUTSAt165, p=0.975, method="modified")	DJGOESNOt165<-ES(datDJGOretOUTSAt165$rev.DJGOretOUTSAt165, p=0.975, method="gaussian")	DJGOESHIt165	DJGOESMOt165	DJGOESNOt165
DJGOESMOt166<-ES(datDJGOretOUTSAt166$rev.DJGOretOUTSAt166, p=0.975, method="modified")	DJGOESNOt166<-ES(datDJGOretOUTSAt166$rev.DJGOretOUTSAt166, p=0.975, method="gaussian")	DJGOESHIt166	DJGOESMOt166	DJGOESNOt166
DJGOESMOt167<-ES(datDJGOretOUTSAt167$rev.DJGOretOUTSAt167, p=0.975, method="modified")	DJGOESNOt167<-ES(datDJGOretOUTSAt167$rev.DJGOretOUTSAt167, p=0.975, method="gaussian")	DJGOESHIt167	DJGOESMOt167	DJGOESNOt167
DJGOESMOt168<-ES(datDJGOretOUTSAt168$rev.DJGOretOUTSAt168, p=0.975, method="modified")	DJGOESNOt168<-ES(datDJGOretOUTSAt168$rev.DJGOretOUTSAt168, p=0.975, method="gaussian")	DJGOESHIt168	DJGOESMOt168	DJGOESNOt168
DJGOESMOt169<-ES(datDJGOretOUTSAt169$rev.DJGOretOUTSAt169, p=0.975, method="modified")	DJGOESNOt169<-ES(datDJGOretOUTSAt169$rev.DJGOretOUTSAt169, p=0.975, method="gaussian")	DJGOESHIt169	DJGOESMOt169	DJGOESNOt169
DJGOESMOt170<-ES(datDJGOretOUTSAt170$rev.DJGOretOUTSAt170, p=0.975, method="modified")	DJGOESNOt170<-ES(datDJGOretOUTSAt170$rev.DJGOretOUTSAt170, p=0.975, method="gaussian")	DJGOESHIt170	DJGOESMOt170	DJGOESNOt170
DJGOESMOt171<-ES(datDJGOretOUTSAt171$rev.DJGOretOUTSAt171, p=0.975, method="modified")	DJGOESNOt171<-ES(datDJGOretOUTSAt171$rev.DJGOretOUTSAt171, p=0.975, method="gaussian")	DJGOESHIt171	DJGOESMOt171	DJGOESNOt171
DJGOESMOt172<-ES(datDJGOretOUTSAt172$rev.DJGOretOUTSAt172, p=0.975, method="modified")	DJGOESNOt172<-ES(datDJGOretOUTSAt172$rev.DJGOretOUTSAt172, p=0.975, method="gaussian")	DJGOESHIt172	DJGOESMOt172	DJGOESNOt172
DJGOESMOt173<-ES(datDJGOretOUTSAt173$rev.DJGOretOUTSAt173, p=0.975, method="modified")	DJGOESNOt173<-ES(datDJGOretOUTSAt173$rev.DJGOretOUTSAt173, p=0.975, method="gaussian")	DJGOESHIt173	DJGOESMOt173	DJGOESNOt173
DJGOESMOt174<-ES(datDJGOretOUTSAt174$rev.DJGOretOUTSAt174, p=0.975, method="modified")	DJGOESNOt174<-ES(datDJGOretOUTSAt174$rev.DJGOretOUTSAt174, p=0.975, method="gaussian")	DJGOESHIt174	DJGOESMOt174	DJGOESNOt174
DJGOESMOt175<-ES(datDJGOretOUTSAt175$rev.DJGOretOUTSAt175, p=0.975, method="modified")	DJGOESNOt175<-ES(datDJGOretOUTSAt175$rev.DJGOretOUTSAt175, p=0.975, method="gaussian")	DJGOESHIt175	DJGOESMOt175	DJGOESNOt175
DJGOESMOt176<-ES(datDJGOretOUTSAt176$rev.DJGOretOUTSAt176, p=0.975, method="modified")	DJGOESNOt176<-ES(datDJGOretOUTSAt176$rev.DJGOretOUTSAt176, p=0.975, method="gaussian")	DJGOESHIt176	DJGOESMOt176	DJGOESNOt176
DJGOESMOt177<-ES(datDJGOretOUTSAt177$rev.DJGOretOUTSAt177, p=0.975, method="modified")	DJGOESNOt177<-ES(datDJGOretOUTSAt177$rev.DJGOretOUTSAt177, p=0.975, method="gaussian")	DJGOESHIt177	DJGOESMOt177	DJGOESNOt177
DJGOESMOt178<-ES(datDJGOretOUTSAt178$rev.DJGOretOUTSAt178, p=0.975, method="modified")	DJGOESNOt178<-ES(datDJGOretOUTSAt178$rev.DJGOretOUTSAt178, p=0.975, method="gaussian")	DJGOESHIt178	DJGOESMOt178	DJGOESNOt178
DJGOESMOt179<-ES(datDJGOretOUTSAt179$rev.DJGOretOUTSAt179, p=0.975, method="modified")	DJGOESNOt179<-ES(datDJGOretOUTSAt179$rev.DJGOretOUTSAt179, p=0.975, method="gaussian")	DJGOESHIt179	DJGOESMOt179	DJGOESNOt179
DJGOESMOt180<-ES(datDJGOretOUTSAt180$rev.DJGOretOUTSAt180, p=0.975, method="modified")	DJGOESNOt180<-ES(datDJGOretOUTSAt180$rev.DJGOretOUTSAt180, p=0.975, method="gaussian")	DJGOESHIt180	DJGOESMOt180	DJGOESNOt180
DJGOESMOt181<-ES(datDJGOretOUTSAt181$rev.DJGOretOUTSAt181, p=0.975, method="modified")	DJGOESNOt181<-ES(datDJGOretOUTSAt181$rev.DJGOretOUTSAt181, p=0.975, method="gaussian")	DJGOESHIt181	DJGOESMOt181	DJGOESNOt181
DJNIESMOt1<-ES(datDJNIretOUTSAt1$rev.DJNIretOUTSAt1, p=0.975, method="modified")	DJNIESNOt1<-ES(datDJNIretOUTSAt1$rev.DJNIretOUTSAt1, p=0.975, method="gaussian")	DJNIESHIt1	DJNIESMOt1	DJNIESNOt1
DJNIESMOt2<-ES(datDJNIretOUTSAt2$rev.DJNIretOUTSAt2, p=0.975, method="modified")	DJNIESNOt2<-ES(datDJNIretOUTSAt2$rev.DJNIretOUTSAt2, p=0.975, method="gaussian")	DJNIESHIt2	DJNIESMOt2	DJNIESNOt2
DJNIESMOt3<-ES(datDJNIretOUTSAt3$rev.DJNIretOUTSAt3, p=0.975, method="modified")	DJNIESNOt3<-ES(datDJNIretOUTSAt3$rev.DJNIretOUTSAt3, p=0.975, method="gaussian")	DJNIESHIt3	DJNIESMOt3	DJNIESNOt3

DJNIESMOt82<-ES(datDJNIretOUTSAt82$rev.DJNIretOUTSAt82, p=0.975, method="modified")	DJNIESNOt82<-ES(datDJNIretOUTSAt82$rev.DJNIretOUTSAt82, p=0.975, method="gaussian")	DJNIESHIt82	DJNIESMOt82	DJNIESNOt82
DJNIESMOt83<-ES(datDJNIretOUTSAt83$rev.DJNIretOUTSAt83, p=0.975, method="modified")	DJNIESNOt83<-ES(datDJNIretOUTSAt83$rev.DJNIretOUTSAt83, p=0.975, method="gaussian")	DJNIESHIt83	DJNIESMOt83	DJNIESNOt83
DJNIESMOt84<-ES(datDJNIretOUTSAt84$rev.DJNIretOUTSAt84, p=0.975, method="modified")	DJNIESNOt84<-ES(datDJNIretOUTSAt84$rev.DJNIretOUTSAt84, p=0.975, method="gaussian")	DJNIESHIt84	DJNIESMOt84	DJNIESNOt84
DJNIESMOt85<-ES(datDJNIretOUTSAt85$rev.DJNIretOUTSAt85, p=0.975, method="modified")	DJNIESNOt85<-ES(datDJNIretOUTSAt85$rev.DJNIretOUTSAt85, p=0.975, method="gaussian")	DJNIESHIt85	DJNIESMOt85	DJNIESNOt85
DJNIESMOt86<-ES(datDJNIretOUTSAt86$rev.DJNIretOUTSAt86, p=0.975, method="modified")	DJNIESNOt86<-ES(datDJNIretOUTSAt86$rev.DJNIretOUTSAt86, p=0.975, method="gaussian")	DJNIESHIt86	DJNIESMOt86	DJNIESNOt86
DJNIESMOt87<-ES(datDJNIretOUTSAt87$rev.DJNIretOUTSAt87, p=0.975, method="modified")	DJNIESNOt87<-ES(datDJNIretOUTSAt87$rev.DJNIretOUTSAt87, p=0.975, method="gaussian")	DJNIESHIt87	DJNIESMOt87	DJNIESNOt87
DJNIESMOt88<-ES(datDJNIretOUTSAt88$rev.DJNIretOUTSAt88, p=0.975, method="modified")	DJNIESNOt88<-ES(datDJNIretOUTSAt88$rev.DJNIretOUTSAt88, p=0.975, method="gaussian")	DJNIESHIt88	DJNIESMOt88	DJNIESNOt88
DJNIESMOt89<-ES(datDJNIretOUTSAt89$rev.DJNIretOUTSAt89, p=0.975, method="modified")	DJNIESNOt89<-ES(datDJNIretOUTSAt89$rev.DJNIretOUTSAt89, p=0.975, method="gaussian")	DJNIESHIt89	DJNIESMOt89	DJNIESNOt89
DJNIESMOt90<-ES(datDJNIretOUTSAt90$rev.DJNIretOUTSAt90, p=0.975, method="modified")	DJNIESNOt90<-ES(datDJNIretOUTSAt90$rev.DJNIretOUTSAt90, p=0.975, method="gaussian")	DJNIESHIt90	DJNIESMOt90	DJNIESNOt90
DJNIESMOt91<-ES(datDJNIretOUTSAt91$rev.DJNIretOUTSAt91, p=0.975, method="modified")	DJNIESNOt91<-ES(datDJNIretOUTSAt91$rev.DJNIretOUTSAt91, p=0.975, method="gaussian")	DJNIESHIt91	DJNIESMOt91	DJNIESNOt91
DJNIESMOt92<-ES(datDJNIretOUTSAt92$rev.DJNIretOUTSAt92, p=0.975, method="modified")	DJNIESNOt92<-ES(datDJNIretOUTSAt92$rev.DJNIretOUTSAt92, p=0.975, method="gaussian")	DJNIESHIt92	DJNIESMOt92	DJNIESNOt92
DJNIESMOt93<-ES(datDJNIretOUTSAt93$rev.DJNIretOUTSAt93, p=0.975, method="modified")	DJNIESNOt93<-ES(datDJNIretOUTSAt93$rev.DJNIretOUTSAt93, p=0.975, method="gaussian")	DJNIESHIt93	DJNIESMOt93	DJNIESNOt93
DJNIESMOt94<-ES(datDJNIretOUTSAt94$rev.DJNIretOUTSAt94, p=0.975, method="modified")	DJNIESNOt94<-ES(datDJNIretOUTSAt94$rev.DJNIretOUTSAt94, p=0.975, method="gaussian")	DJNIESHIt94	DJNIESMOt94	DJNIESNOt94
DJNIESMOt95<-ES(datDJNIretOUTSAt95$rev.DJNIretOUTSAt95, p=0.975, method="modified")	DJNIESNOt95<-ES(datDJNIretOUTSAt95$rev.DJNIretOUTSAt95, p=0.975, method="gaussian")	DJNIESHIt95	DJNIESMOt95	DJNIESNOt95
DJNIESMOt96<-ES(datDJNIretOUTSAt96$rev.DJNIretOUTSAt96, p=0.975, method="modified")	DJNIESNOt96<-ES(datDJNIretOUTSAt96$rev.DJNIretOUTSAt96, p=0.975, method="gaussian")	DJNIESHIt96	DJNIESMOt96	DJNIESNOt96
DJNIESMOt97<-ES(datDJNIretOUTSAt97$rev.DJNIretOUTSAt97, p=0.975, method="modified")	DJNIESNOt97<-ES(datDJNIretOUTSAt97$rev.DJNIretOUTSAt97, p=0.975, method="gaussian")	DJNIESHIt97	DJNIESMOt97	DJNIESNOt97
DJNIESMOt98<-ES(datDJNIretOUTSAt98$rev.DJNIretOUTSAt98, p=0.975, method="modified")	DJNIESNOt98<-ES(datDJNIretOUTSAt98$rev.DJNIretOUTSAt98, p=0.975, method="gaussian")	DJNIESHIt98	DJNIESMOt98	DJNIESNOt98
DJNIESMOt99<-ES(datDJNIretOUTSAt99$rev.DJNIretOUTSAt99, p=0.975, method="modified")	DJNIESNOt99<-ES(datDJNIretOUTSAt99$rev.DJNIretOUTSAt99, p=0.975, method="gaussian")	DJNIESHIt99	DJNIESMOt99	DJNIESNOt99
DJNIESMOt100<-ES(datDJNIretOUTSAt100$rev.DJNIretOUTSAt100, p=0.975, method="modified")	DJNIESNOt100<-ES(datDJNIretOUTSAt100$rev.DJNIretOUTSAt100, p=0.975, method="gaussian")	DJNIESHIt100	DJNIESMOt100	DJNIESNOt100
DJNIESMOt101<-ES(datDJNIretOUTSAt101$rev.DJNIretOUTSAt101, p=0.975, method="modified")	DJNIESNOt101<-ES(datDJNIretOUTSAt101$rev.DJNIretOUTSAt101, p=0.975, method="gaussian")	DJNIESHIt101	DJNIESMOt101	DJNIESNOt101
DJNIESMOt102<-ES(datDJNIretOUTSAt102$rev.DJNIretOUTSAt102, p=0.975, method="modified")	DJNIESNOt102<-ES(datDJNIretOUTSAt102$rev.DJNIretOUTSAt102, p=0.975, method="gaussian")	DJNIESHIt102	DJNIESMOt102	DJNIESNOt102
DJNIESMOt103<-ES(datDJNIretOUTSAt103$rev.DJNIretOUTSAt103, p=0.975, method="modified")	DJNIESNOt103<-ES(datDJNIretOUTSAt103$rev.DJNIretOUTSAt103, p=0.975, method="gaussian")	DJNIESHIt103	DJNIESMOt103	DJNIESNOt103
DJNIESMOt104<-ES(datDJNIretOUTSAt104$rev.DJNIretOUTSAt104, p=0.975, method="modified")	DJNIESNOt104<-ES(datDJNIretOUTSAt104$rev.DJNIretOUTSAt104, p=0.975, method="gaussian")	DJNIESHIt104	DJNIESMOt104	DJNIESNOt104
DJNIESMOt105<-ES(datDJNIretOUTSAt105$rev.DJNIretOUTSAt105, p=0.975, method="modified")	DJNIESNOt105<-ES(datDJNIretOUTSAt105$rev.DJNIretOUTSAt105, p=0.975, method="gaussian")	DJNIESHIt105	DJNIESMOt105	DJNIESNOt105
DJNIESMOt106<-ES(datDJNIretOUTSAt106$rev.DJNIretOUTSAt106, p=0.975, method="modified")	DJNIESNOt106<-ES(datDJNIretOUTSAt106$rev.DJNIretOUTSAt106, p=0.975, method="gaussian")	DJNIESHIt106	DJNIESMOt106	DJNIESNOt106
DJNIESMOt107<-ES(datDJNIretOUTSAt107$rev.DJNIretOUTSAt107, p=0.975, method="modified")	DJNIESNOt107<-ES(datDJNIretOUTSAt107$rev.DJNIretOUTSAt107, p=0.975, method="gaussian")	DJNIESHIt107	DJNIESMOt107	DJNIESNOt107
DJNIESMOt108<-ES(datDJNIretOUTSAt108$rev.DJNIretOUTSAt108, p=0.975, method="modified")	DJNIESNOt108<-ES(datDJNIretOUTSAt108$rev.DJNIretOUTSAt108, p=0.975, method="gaussian")	DJNIESHIt108	DJNIESMOt108	DJNIESNOt108
DJNIESMOt109<-ES(datDJNIretOUTSAt109$rev.DJNIretOUTSAt109, p=0.975, method="modified")	DJNIESNOt109<-ES(datDJNIretOUTSAt109$rev.DJNIretOUTSAt109, p=0.975, method="gaussian")	DJNIESHIt109	DJNIESMOt109	DJNIESNOt109
DJNIESMOt110<-ES(datDJNIretOUTSAt110$rev.DJNIretOUTSAt110, p=0.975, method="modified")	DJNIESNOt110<-ES(datDJNIretOUTSAt110$rev.DJNIretOUTSAt110, p=0.975, method="gaussian")	DJNIESHIt110	DJNIESMOt110	DJNIESNOt110
DJNIESMOt111<-ES(datDJNIretOUTSAt111$rev.DJNIretOUTSAt111, p=0.975, method="modified")	DJNIESNOt111<-ES(datDJNIretOUTSAt111$rev.DJNIretOUTSAt111, p=0.975, method="gaussian")	DJNIESHIt111	DJNIESMOt111	DJNIESNOt111
DJNIESMOt112<-ES(datDJNIretOUTSAt112$rev.DJNIretOUTSAt112, p=0.975, method="modified")	DJNIESNOt112<-ES(datDJNIretOUTSAt112$rev.DJNIretOUTSAt112, p=0.975, method="gaussian")	DJNIESHIt112	DJNIESMOt112	DJNIESNOt112
DJNIESMOt113<-ES(datDJNIretOUTSAt113$rev.DJNIretOUTSAt113, p=0.975, method="modified")	DJNIESNOt113<-ES(datDJNIretOUTSAt113$rev.DJNIretOUTSAt113, p=0.975, method="gaussian")	DJNIESHIt113	DJNIESMOt113	DJNIESNOt113
DJNIESMOt114<-ES(datDJNIretOUTSAt114$rev.DJNIretOUTSAt114, p=0.975, method="modified")	DJNIESNOt114<-ES(datDJNIretOUTSAt114$rev.DJNIretOUTSAt114, p=0.975, method="gaussian")	DJNIESHIt114	DJNIESMOt114	DJNIESNOt114
DJNIESMOt115<-ES(datDJNIretOUTSAt115$rev.DJNIretOUTSAt115, p=0.975, method="modified")	DJNIESNOt115<-ES(datDJNIretOUTSAt115$rev.DJNIretOUTSAt115, p=0.975, method="gaussian")	DJNIESHIt115	DJNIESMOt115	DJNIESNOt115
DJNIESMOt116<-ES(datDJNIretOUTSAt116$rev.DJNIretOUTSAt116, p=0.975, method="modified")	DJNIESNOt116<-ES(datDJNIretOUTSAt116$rev.DJNIretOUTSAt116, p=0.975, method="gaussian")	DJNIESHIt116	DJNIESMOt116	DJNIESNOt116
DJNIESMOt117<-ES(datDJNIretOUTSAt117$rev.DJNIretOUTSAt117, p=0.975, method="modified")	DJNIESNOt117<-ES(datDJNIretOUTSAt117$rev.DJNIretOUTSAt117, p=0.975, method="gaussian")	DJNIESHIt117	DJNIESMOt117	DJNIESNOt117
DJNIESMOt118<-ES(datDJNIretOUTSAt118$rev.DJNIretOUTSAt118, p=0.975, method="modified")	DJNIESNOt118<-ES(datDJNIretOUTSAt118$rev.DJNIretOUTSAt118, p=0.975, method="gaussian")	DJNIESHIt118	DJNIESMOt118	DJNIESNOt118
DJNIESMOt119<-ES(datDJNIretOUTSAt119$rev.DJNIretOUTSAt119, p=0.975, method="modified")	DJNIESNOt119<-ES(datDJNIretOUTSAt119$rev.DJNIretOUTSAt119, p=0.975, method="gaussian")	DJNIESHIt119	DJNIESMOt119	DJNIESNOt119
DJNIESMOt120<-ES(datDJNIretOUTSAt120$rev.DJNIretOUTSAt120, p=0.975, method="modified")	DJNIESNOt120<-ES(datDJNIretOUTSAt120$rev.DJNIretOUTSAt120, p=0.975, method="gaussian")	DJNIESHIt120	DJNIESMOt120	DJNIESNOt120
DJNIESMOt121<-ES(datDJNIretOUTSAt121$rev.DJNIretOUTSAt121, p=0.975, method="modified")	DJNIESNOt121<-ES(datDJNIretOUTSAt121$rev.DJNIretOUTSAt121, p=0.975, method="gaussian")	DJNIESHIt121	DJNIESMOt121	DJNIESNOt121
DJNIESMOt122<-ES(datDJNIretOUTSAt122$rev.DJNIretOUTSAt122, p=0.975, method="modified")	DJNIESNOt122<-ES(datDJNIretOUTSAt122$rev.DJNIretOUTSAt122, p=0.975, method="gaussian")	DJNIESHIt122	DJNIESMOt122	DJNIESNOt122
DJNIESMOt123<-ES(datDJNIretOUTSAt123$rev.DJNIretOUTSAt123, p=0.975, method="modified")	DJNIESNOt123<-ES(datDJNIretOUTSAt123$rev.DJNIretOUTSAt123, p=0.975, method="gaussian")	DJNIESHIt123	DJNIESMOt123	DJNIESNOt123
DJNIESMOt124<-ES(datDJNIretOUTSAt124$rev.DJNIretOUTSAt124, p=0.975, method="modified")	DJNIESNOt124<-ES(datDJNIretOUTSAt124$rev.DJNIretOUTSAt124, p=0.975, method="gaussian")	DJNIESHIt124	DJNIESMOt124	DJNIESNOt124
DJNIESMOt125<-ES(datDJNIretOUTSAt125$rev.DJNIretOUTSAt125, p=0.975, method="modified")	DJNIESNOt125<-ES(datDJNIretOUTSAt125$rev.DJNIretOUTSAt125, p=0.975, method="gaussian")	DJNIESHIt125	DJNIESMOt125	DJNIESNOt125
DJNIESMOt126<-ES(datDJNIretOUTSAt126$rev.DJNIretOUTSAt126, p=0.975, method="modified")	DJNIESNOt126<-ES(datDJNIretOUTSAt126$rev.DJNIretOUTSAt126, p=0.975, method="gaussian")	DJNIESHIt126	DJNIESMOt126	DJNIESNOt126
DJNIESMOt127<-ES(datDJNIretOUTSAt127$rev.DJNIretOUTSAt127, p=0.975, method="modified")	DJNIESNOt127<-ES(datDJNIretOUTSAt127$rev.DJNIretOUTSAt127, p=0.975, method="gaussian")	DJNIESHIt127	DJNIESMOt127	DJNIESNOt127
DJNIESMOt128<-ES(datDJNIretOUTSAt128$rev.DJNIretOUTSAt128, p=0.975, method="modified")	DJNIESNOt128<-ES(datDJNIretOUTSAt128$rev.DJNIretOUTSAt128, p=0.975, method="gaussian")	DJNIESHIt128	DJNIESMOt128	DJNIESNOt128
DJNIESMOt129<-ES(datDJNIretOUTSAt129$rev.DJNIretOUTSAt129, p=0.975, method="modified")	DJNIESNOt129<-ES(datDJNIretOUTSAt129$rev.DJNIretOUTSAt129, p=0.975, method="gaussian")	DJNIESHIt129	DJNIESMOt129	DJNIESNOt129
DJNIESMOt130<-ES(datDJNIretOUTSAt130$rev.DJNIretOUTSAt130, p=0.975, method="modified")	DJNIESNOt130<-ES(datDJNIretOUTSAt130$rev.DJNIretOUTSAt130, p=0.975, method="gaussian")	DJNIESHIt130	DJNIESMOt130	DJNIESNOt130
DJNIESMOt131<-ES(datDJNIretOUTSAt131$rev.DJNIretOUTSAt131, p=0.975, method="modified")	DJNIESNOt131<-ES(datDJNIretOUTSAt131$rev.DJNIretOUTSAt131, p=0.975, method="gaussian")	DJNIESHIt131	DJNIESMOt131	DJNIESNOt131
DJNIESMOt132<-ES(datDJNIretOUTSAt132$rev.DJNIretOUTSAt132, p=0.975, method="modified")	DJNIESNOt132<-ES(datDJNIretOUTSAt132$rev.DJNIretOUTSAt132, p=0.975, method="gaussian")	DJNIESHIt132	DJNIESMOt132	DJNIESNOt132
DJNIESMOt133<-ES(datDJNIretOUTSAt133$rev.DJNIretOUTSAt133, p=0.975, method="modified")	DJNIESNOt133<-ES(datDJNIretOUTSAt133$rev.DJNIretOUTSAt133, p=0.975, method="gaussian")	DJNIESHIt133	DJNIESMOt133	DJNIESNOt133
DJNIESMOt134<-ES(datDJNIretOUTSAt134$rev.DJNIretOUTSAt134, p=0.975, method="modified")	DJNIESNOt134<-ES(datDJNIretOUTSAt134$rev.DJNIretOUTSAt134, p=0.975, method="gaussian")	DJNIESHIt134	DJNIESMOt134	DJNIESNOt134
DJNIESMOt135<-ES(datDJNIretOUTSAt135$rev.DJNIretOUTSAt135, p=0.975, method="modified")	DJNIESNOt135<-ES(datDJNIretOUTSAt135$rev.DJNIretOUTSAt135, p=0.975, method="gaussian")	DJNIESHIt135	DJNIESMOt135	DJNIESNOt135
DJNIESMOt136<-ES(datDJNIretOUTSAt136$rev.DJNIretOUTSAt136, p=0.975, method="modified")	DJNIESNOt136<-ES(datDJNIretOUTSAt136$rev.DJNIretOUTSAt136, p=0.975, method="gaussian")	DJNIESHIt136	DJNIESMOt136	DJNIESNOt136
DJNIESMOt137<-ES(datDJNIretOUTSAt137$rev.DJNIretOUTSAt137, p=0.975, method="modified")	DJNIESNOt137<-ES(datDJNIretOUTSAt137$rev.DJNIretOUTSAt137, p=0.975, method="gaussian")	DJNIESHIt137	DJNIESMOt137	DJNIESNOt137
DJNIESMOt138<-ES(datDJNIretOUTSAt138$rev.DJNIretOUTSAt138, p=0.975, method="modified")	DJNIESNOt138<-ES(datDJNIretOUTSAt138$rev.DJNIretOUTSAt138, p=0.975, method="gaussian")	DJNIESHIt138	DJNIESMOt138	DJNIESNOt138
DJNIESMOt139<-ES(datDJNIretOUTSAt139$rev.DJNIretOUTSAt139, p=0.975, method="modified")	DJNIESNOt139<-ES(datDJNIretOUTSAt139$rev.DJNIretOUTSAt139, p=0.975, method="gaussian")	DJNIESHIt139	DJNIESMOt139	DJNIESNOt139
DJNIESMOt140<-ES(datDJNIretOUTSAt140$rev.DJNIretOUTSAt140, p=0.975, method="modified")	DJNIESNOt140<-ES(datDJNIretOUTSAt140$rev.DJNIretOUTSAt140, p=0.975, method="gaussian")	DJNIESHIt140	DJNIESMOt140	DJNIESNOt140
DJNIESMOt141<-ES(datDJNIretOUTSAt141$rev.DJNIretOUTSAt141, p=0.975, method="modified")	DJNIESNOt141<-ES(datDJNIretOUTSAt141$rev.DJNIretOUTSAt141, p=0.975, method="gaussian")	DJNIESHIt141	DJNIESMOt141	DJNIESNOt141
DJNIESMOt142<-ES(datDJNIretOUTSAt142$rev.DJNIretOUTSAt142, p=0.975, method="modified")	DJNIESNOt142<-ES(datDJNIretOUTSAt142$rev.DJNIretOUTSAt142, p=0.975, method="gaussian")	DJNIESHIt142	DJNIESMOt142	DJNIESNOt142
DJNIESMOt143<-ES(datDJNIretOUTSAt143$rev.DJNIretOUTSAt143, p=0.975, method="modified")	DJNIESNOt143<-ES(datDJNIretOUTSAt143$rev.DJNIretOUTSAt143, p=0.975, method="gaussian")	DJNIESHIt143	DJNIESMOt143	DJNIESNOt143
DJNIESMOt144<-ES(datDJNIretOUTSAt144$rev.DJNIretOUTSAt144, p=0.975, method="modified")	DJNIESNOt144<-ES(datDJNIretOUTSAt144$rev.DJNIretOUTSAt144, p=0.975, method="gaussian")	DJNIESHIt144	DJNIESMOt144	DJNIESNOt144
DJNIESMOt145<-ES(datDJNIretOUTSAt145$rev.DJNIretOUTSAt145, p=0.975, method="modified")	DJNIESNOt145<-ES(datDJNIretOUTSAt145$rev.DJNIretOUTSAt145, p=0.975, method="gaussian")	DJNIESHIt145	DJNIESMOt145	DJNIESNOt145
DJNIESMOt146<-ES(datDJNIretOUTSAt146$rev.DJNIretOUTSAt146, p=0.975, method="modified")	DJNIESNOt146<-ES(datDJNIretOUTSAt146$rev.DJNIretOUTSAt146, p=0.975, method="gaussian")	DJNIESHIt146	DJNIESMOt146	DJNIESNOt146
DJNIESMOt147<-ES(datDJNIretOUTSAt147$rev.DJNIretOUTSAt147, p=0.975, method="modified")	DJNIESNOt147<-ES(datDJNIretOUTSAt147$rev.DJNIretOUTSAt147, p=0.975, method="gaussian")	DJNIESHIt147	DJNIESMOt147	DJNIESNOt147
DJNIESMOt148<-ES(datDJNIretOUTSAt148$rev.DJNIretOUTSAt148, p=0.975, method="modified")	DJNIESNOt148<-ES(datDJNIretOUTSAt148$rev.DJNIretOUTSAt148, p=0.975, method="gaussian")	DJNIESHIt148	DJNIESMOt148	DJNIESNOt148
DJNIESMOt149<-ES(datDJNIretOUTSAt149$rev.DJNIretOUTSAt149, p=0.975, method="modified")	DJNIESNOt149<-ES(datDJNIretOUTSAt149$rev.DJNIretOUTSAt149, p=0.975, method="gaussian")	DJNIESHIt149	DJNIESMOt149	DJNIESNOt149
DJNIESMOt150<-ES(datDJNIretOUTSAt150$rev.DJNIretOUTSAt150, p=0.975, method="modified")	DJNIESNOt150<-ES(datDJNIretOUTSAt150$rev.DJNIretOUTSAt150, p=0.975, method="gaussian")	DJNIESHIt150	DJNIESMOt150	DJNIESNOt150
DJNIESMOt151<-ES(datDJNIretOUTSAt151$rev.DJNIretOUTSAt151, p=0.975, method="modified")	DJNIESNOt151<-ES(datDJNIretOUTSAt151$rev.DJNIretOUTSAt151, p=0.975, method="gaussian")	DJNIESHIt151	DJNIESMOt151	DJNIESNOt151
DJNIESMOt152<-ES(datDJNIretOUTSAt152$rev.DJNIretOUTSAt152, p=0.975, method="modified")	DJNIESNOt152<-ES(datDJNIretOUTSAt152$rev.DJNIretOUTSAt152, p=0.975, method="gaussian")	DJNIESHIt152	DJNIESMOt152	DJNIESNOt152
DJNIESMOt153<-ES(datDJNIretOUTSAt153$rev.DJNIretOUTSAt153, p=0.975, method="modified")	DJNIESNOt153<-ES(datDJNIretOUTSAt153$rev.DJNIretOUTSAt153, p=0.975, method="gaussian")	DJNIESHIt153	DJNIESMOt153	DJNIESNOt153
DJNIESMOt154<-ES(datDJNIretOUTSAt154$rev.DJNIretOUTSAt154, p=0.975, method="modified")	DJNIESNOt154<-ES(datDJNIretOUTSAt154$rev.DJNIretOUTSAt154, p=0.975, method="gaussian")	DJNIESHIt154	DJNIESMOt154	DJNIESNOt154
DJNIESMOt155<-ES(datDJNIretOUTSAt155$rev.DJNIretOUTSAt155, p=0.975, method="modified")	DJNIESNOt155<-ES(datDJNIretOUTSAt155$rev.DJNIretOUTSAt155, p=0.975, method="gaussian")	DJNIESHIt155	DJNIESMOt155	DJNIESNOt155
DJNIESMOt156<-ES(datDJNIretOUTSAt156$rev.DJNIretOUTSAt156, p=0.975, method="modified")	DJNIESNOt156<-ES(datDJNIretOUTSAt156$rev.DJNIretOUTSAt156, p=0.975, method="gaussian")	DJNIESHIt156	DJNIESMOt156	DJNIESNOt156
DJNIESMOt157<-ES(datDJNIretOUTSAt157$rev.DJNIretOUTSAt157, p=0.975, method="modified")	DJNIESNOt157<-ES(datDJNIretOUTSAt157$rev.DJNIretOUTSAt157, p=0.975, method="gaussian")	DJNIESHIt157	DJNIESMOt157	DJNIESNOt157
DJNIESMOt158<-ES(datDJNIretOUTSAt158$rev.DJNIretOUTSAt158, p=0.975, method="modified")	DJNIESNOt158<-ES(datDJNIretOUTSAt158$rev.DJNIretOUTSAt158, p=0.975, method="gaussian")	DJNIESHIt158	DJNIESMOt158	DJNIESNOt158
DJNIESMOt159<-ES(datDJNIretOUTSAt159$rev.DJNIretOUTSAt159, p=0.975, method="modified")	DJNIESNOt159<-ES(datDJNIretOUTSAt159$rev.DJNIretOUTSAt159, p=0.975, method="gaussian")	DJNIESHIt159	DJNIESMOt159	DJNIESNOt159
DJNIESMOt160<-ES(datDJNIretOUTSAt160$rev.DJNIretOUTSAt160, p=0.975, method="modified")	DJNIESNOt160<-ES(datDJNIretOUTSAt160$rev.DJNIretOUTSAt160, p=0.975, method="gaussian")	DJNIESHIt160	DJNIESMOt160	DJNIESNOt160
DJNIESMOt161<-ES(datDJNIretOUTSAt161$rev.DJNIretOUTSAt161, p=0.975, method="modified")	DJNIESNOt161<-ES(datDJNIretOUTSAt161$rev.DJNIretOUTSAt161, p=0.975, method="gaussian")	DJNIESHIt161	DJNIESMOt161	DJNIESNOt161
DJNIESMOt162<-ES(datDJNIretOUTSAt162$rev.DJNIretOUTSAt162, p=0.975, method="modified")	DJNIESNOt162<-ES(datDJNIretOUTSAt162$rev.DJNIretOUTSAt162, p=0.975, method="gaussian")	DJNIESHIt162	DJNIESMOt162	DJNIESNOt162
DJNIESMOt163<-ES(datDJNIretOUTSAt163$rev.DJNIretOUTSAt163, p=0.975, method="modified")	DJNIESNOt163<-ES(datDJNIretOUTSAt163$rev.DJNIretOUTSAt163, p=0.975, method="gaussian")	DJNIESHIt163	DJNIESMOt163	DJNIESNOt163
DJNIESMOt164<-ES(datDJNIretOUTSAt164$rev.DJNIretOUTSAt164, p=0.975, method="modified")	DJNIESNOt164<-ES(datDJNIretOUTSAt164$rev.DJNIretOUTSAt164, p=0.975, method="gaussian")	DJNIESHIt164	DJNIESMOt164	DJNIESNOt164
DJNIESMOt165<-ES(datDJNIretOUTSAt165$rev.DJNIretOUTSAt165, p=0.975, method="modified")	DJNIESNOt165<-ES(datDJNIretOUTSAt165$rev.DJNIretOUTSAt165, p=0.975, method="gaussian")	DJNIESHIt165	DJNIESMOt165	DJNIESNOt165
DJNIESMOt166<-ES(datDJNIretOUTSAt166$rev.DJNIretOUTSAt166, p=0.975, method="modified")	DJNIESNOt166<-ES(datDJNIretOUTSAt166$rev.DJNIretOUTSAt166, p=0.975, method="gaussian")	DJNIESHIt166	DJNIESMOt166	DJNIESNOt166
DJNIESMOt167<-ES(datDJNIretOUTSAt167$rev.DJNIretOUTSAt167, p=0.975, method="modified")	DJNIESNOt167<-ES(datDJNIretOUTSAt167$rev.DJNIretOUTSAt167, p=0.975, method="gaussian")	DJNIESHIt167	DJNIESMOt167	DJNIESNOt167
DJNIESMOt168<-ES(datDJNIretOUTSAt168$rev.DJNIretOUTSAt168, p=0.975, method="modified")	DJNIESNOt168<-ES(datDJNIretOUTSAt168$rev.DJNIretOUTSAt168, p=0.975, method="gaussian")	DJNIESHIt168	DJNIESMOt168	DJNIESNOt168
DJNIESMOt169<-ES(datDJNIretOUTSAt169$rev.DJNIretOUTSAt169, p=0.975, method="modified")	DJNIESNOt169<-ES(datDJNIretOUTSAt169$rev.DJNIretOUTSAt169, p=0.975, method="gaussian")	DJNIESHIt169	DJNIESMOt169	DJNIESNOt169
DJNIESMOt170<-ES(datDJNIretOUTSAt170$rev.DJNIretOUTSAt170, p=0.975, method="modified")	DJNIESNOt170<-ES(datDJNIretOUTSAt170$rev.DJNIretOUTSAt170, p=0.975, method="gaussian")	DJNIESHIt170	DJNIESMOt170	DJNIESNOt170
DJNIESMOt171<-ES(datDJNIretOUTSAt171$rev.DJNIretOUTSAt171, p=0.975, method="modified")	DJNIESNOt171<-ES(datDJNIretOUTSAt171$rev.DJNIretOUTSAt171, p=0.975, method="gaussian")	DJNIESHIt171	DJNIESMOt171	DJNIESNOt171
DJNIESMOt172<-ES(datDJNIretOUTSAt172$rev.DJNIretOUTSAt172, p=0.975, method="modified")	DJNIESNOt172<-ES(datDJNIretOUTSAt172$rev.DJNIretOUTSAt172, p=0.975, method="gaussian")	DJNIESHIt172	DJNIESMOt172	DJNIESNOt172
DJNIESMOt173<-ES(datDJNIretOUTSAt173$rev.DJNIretOUTSAt173, p=0.975, method="modified")	DJNIESNOt173<-ES(datDJNIretOUTSAt173$rev.DJNIretOUTSAt173, p=0.975, method="gaussian")	DJNIESHIt173	DJNIESMOt173	DJNIESNOt173
DJNIESMOt174<-ES(datDJNIretOUTSAt174$rev.DJNIretOUTSAt174, p=0.975, method="modified")	DJNIESNOt174<-ES(datDJNIretOUTSAt174$rev.DJNIretOUTSAt174, p=0.975, method="gaussian")	DJNIESHIt174	DJNIESMOt174	DJNIESNOt174
DJNIESMOt175<-ES(datDJNIretOUTSAt175$rev.DJNIretOUTSAt175, p=0.975, method="modified")	DJNIESNOt175<-ES(datDJNIretOUTSAt175$rev.DJNIretOUTSAt175, p=0.975, method="gaussian")	DJNIESHIt175	DJNIESMOt175	DJNIESNOt175
DJNIESMOt176<-ES(datDJNIretOUTSAt176$rev.DJNIretOUTSAt176, p=0.975, method="modified")	DJNIESNOt176<-ES(datDJNIretOUTSAt176$rev.DJNIretOUTSAt176, p=0.975, method="gaussian")	DJNIESHIt176	DJNIESMOt176	DJNIESNOt176
DJNIESMOt177<-ES(datDJNIretOUTSAt177$rev.DJNIretOUTSAt177, p=0.975, method="modified")	DJNIESNOt177<-ES(datDJNIretOUTSAt177$rev.DJNIretOUTSAt177, p=0.975, method="gaussian")	DJNIESHIt177	DJNIESMOt177	DJNIESNOt177
DJNIESMOt178<-ES(datDJNIretOUTSAt178$rev.DJNIretOUTSAt178, p=0.975, method="modified")	DJNIESNOt178<-ES(datDJNIretOUTSAt178$rev.DJNIretOUTSAt178, p=0.975, method="gaussian")	DJNIESHIt178	DJNIESMOt178	DJNIESNOt178
DJNIESMOt179<-ES(datDJNIretOUTSAt179$rev.DJNIretOUTSAt179, p=0.975, method="modified")	DJNIESNOt179<-ES(datDJNIretOUTSAt179$rev.DJNIretOUTSAt179, p=0.975, method="gaussian")	DJNIESHIt179	DJNIESMOt179	DJNIESNOt179
DJNIESMOt180<-ES(datDJNIretOUTSAt180$rev.DJNIretOUTSAt180, p=0.975, method="modified")	DJNIESNOt180<-ES(datDJNIretOUTSAt180$rev.DJNIretOUTSAt180, p=0.975, method="gaussian")	DJNIESHIt180	DJNIESMOt180	DJNIESNOt180
DJNIESMOt181<-ES(datDJNIretOUTSAt181$rev.DJNIretOUTSAt181, p=0.975, method="modified")	DJNIESNOt181<-ES(datDJNIretOUTSAt181$rev.DJNIretOUTSAt181, p=0.975, method="gaussian")	DJNIESHIt181	DJNIESMOt181	DJNIESNOt181
DJSIESMOt1<-ES(datDJSIretOUTSAt1$rev.DJSIretOUTSAt1, p=0.975, method="modified")	DJSIESNOt1<-ES(datDJSIretOUTSAt1$rev.DJSIretOUTSAt1, p=0.975, method="gaussian")	DJSIESHIt1	DJSIESMOt1	DJSIESNOt1
DJSIESMOt2<-ES(datDJSIretOUTSAt2$rev.DJSIretOUTSAt2, p=0.975, method="modified")	DJSIESNOt2<-ES(datDJSIretOUTSAt2$rev.DJSIretOUTSAt2, p=0.975, method="gaussian")	DJSIESHIt2	DJSIESMOt2	DJSIESNOt2
DJSIESMOt3<-ES(datDJSIretOUTSAt3$rev.DJSIretOUTSAt3, p=0.975, method="modified")	DJSIESNOt3<-ES(datDJSIretOUTSAt3$rev.DJSIretOUTSAt3, p=0.975, method="gaussian")	DJSIESHIt3	DJSIESMOt3	DJSIESNOt3
DJSIESMOt4<-ES(datDJSIretOUTSAt4$rev.DJSIretOUTSAt4, p=0.975, method="modified")	DJSIESNOt4<-ES(datDJSIretOUTSAt4$rev.DJSIretOUTSAt4, p=0.975, method="gaussian")	DJSIESHIt4	DJSIESMOt4	DJSIESNOt4
DJSIESMOt5<-ES(datDJSIretOUTSAt5$rev.DJSIretOUTSAt5, p=0.975, method="modified")	DJSIESNOt5<-ES(datDJSIretOUTSAt5$rev.DJSIretOUTSAt5, p=0.975, method="gaussian")	DJSIESHIt5	DJSIESMOt5	DJSIESNOt5
DJSIESMOt6<-ES(datDJSIretOUTSAt6$rev.DJSIretOUTSAt6, p=0.975, method="modified")	DJSIESNOt6<-ES(datDJSIretOUTSAt6$rev.DJSIretOUTSAt6, p=0.975, method="gaussian")	DJSIESHIt6	DJSIESMOt6	DJSIESNOt6
DJSIESMOt7<-ES(datDJSIretOUTSAt7$rev.DJSIretOUTSAt7, p=0.975, method="modified")	DJSIESNOt7<-ES(datDJSIretOUTSAt7$rev.DJSIretOUTSAt7, p=0.975, method="gaussian")	DJSIESHIt7	DJSIESMOt7	DJSIESNOt7
DJSIESMOt8<-

DJSIESMOt28<-ES(datDJSIretOUTSAt28$rev.DJSIretOUTSAt28, p=0.975, method="modified")	DJSIESNOt28<-ES(datDJSIretOUTSAt28$rev.DJSIretOUTSAt28, p=0.975, method="gaussian")	DJSIESHIt28	DJSIESMOt28	DJSIESNOt28
DJSIESMOt29<-ES(datDJSIretOUTSAt29$rev.DJSIretOUTSAt29, p=0.975, method="modified")	DJSIESNOt29<-ES(datDJSIretOUTSAt29$rev.DJSIretOUTSAt29, p=0.975, method="gaussian")	DJSIESHIt29	DJSIESMOt29	DJSIESNOt29
DJSIESMOt30<-ES(datDJSIretOUTSAt30$rev.DJSIretOUTSAt30, p=0.975, method="modified")	DJSIESNOt30<-ES(datDJSIretOUTSAt30$rev.DJSIretOUTSAt30, p=0.975, method="gaussian")	DJSIESHIt30	DJSIESMOt30	DJSIESNOt30

DJSIESMOt157<-ES(datDJSIretOUTSAt157$rev.DJSIretOUTSAt157, p=0.975, method="modified")	DJSIESNOt157<-ES(datDJSIretOUTSAt157$rev.DJSIretOUTSAt157, p=0.975, method="gaussian")	DJSIESHIt157	DJSIESMDt157	DJSIESNDt157
DJSIESMOt158<-ES(datDJSIretOUTSAt158$rev.DJSIretOUTSAt158, p=0.975, method="modified")	DJSIESNOt158<-ES(datDJSIretOUTSAt158$rev.DJSIretOUTSAt158, p=0.975, method="gaussian")	DJSIESHIt158	DJSIESMDt158	DJSIESNDt158
DJSIESMOt159<-ES(datDJSIretOUTSAt159$rev.DJSIretOUTSAt159, p=0.975, method="modified")	DJSIESNOt159<-ES(datDJSIretOUTSAt159$rev.DJSIretOUTSAt159, p=0.975, method="gaussian")	DJSIESHIt159	DJSIESMDt159	DJSIESNDt159
DJSIESMOt160<-ES(datDJSIretOUTSAt160$rev.DJSIretOUTSAt160, p=0.975, method="modified")	DJSIESNOt160<-ES(datDJSIretOUTSAt160$rev.DJSIretOUTSAt160, p=0.975, method="gaussian")	DJSIESHIt160	DJSIESMDt160	DJSIESNDt160
DJSIESMOt161<-ES(datDJSIretOUTSAt161$rev.DJSIretOUTSAt161, p=0.975, method="modified")	DJSIESNOt161<-ES(datDJSIretOUTSAt161$rev.DJSIretOUTSAt161, p=0.975, method="gaussian")	DJSIESHIt161	DJSIESMDt161	DJSIESNDt161
DJSIESMOt162<-ES(datDJSIretOUTSAt162$rev.DJSIretOUTSAt162, p=0.975, method="modified")	DJSIESNOt162<-ES(datDJSIretOUTSAt162$rev.DJSIretOUTSAt162, p=0.975, method="gaussian")	DJSIESHIt162	DJSIESMDt162	DJSIESNDt162
DJSIESMOt163<-ES(datDJSIretOUTSAt163$rev.DJSIretOUTSAt163, p=0.975, method="modified")	DJSIESNOt163<-ES(datDJSIretOUTSAt163$rev.DJSIretOUTSAt163, p=0.975, method="gaussian")	DJSIESHIt163	DJSIESMDt163	DJSIESNDt163
DJSIESMOt164<-ES(datDJSIretOUTSAt164$rev.DJSIretOUTSAt164, p=0.975, method="modified")	DJSIESNOt164<-ES(datDJSIretOUTSAt164$rev.DJSIretOUTSAt164, p=0.975, method="gaussian")	DJSIESHIt164	DJSIESMDt164	DJSIESNDt164
DJSIESMOt165<-ES(datDJSIretOUTSAt165$rev.DJSIretOUTSAt165, p=0.975, method="modified")	DJSIESNOt165<-ES(datDJSIretOUTSAt165$rev.DJSIretOUTSAt165, p=0.975, method="gaussian")	DJSIESHIt165	DJSIESMDt165	DJSIESNDt165
DJSIESMOt166<-ES(datDJSIretOUTSAt166$rev.DJSIretOUTSAt166, p=0.975, method="modified")	DJSIESNOt166<-ES(datDJSIretOUTSAt166$rev.DJSIretOUTSAt166, p=0.975, method="gaussian")	DJSIESHIt166	DJSIESMDt166	DJSIESNDt166
DJSIESMOt167<-ES(datDJSIretOUTSAt167$rev.DJSIretOUTSAt167, p=0.975, method="modified")	DJSIESNOt167<-ES(datDJSIretOUTSAt167$rev.DJSIretOUTSAt167, p=0.975, method="gaussian")	DJSIESHIt167	DJSIESMDt167	DJSIESNDt167
DJSIESMOt168<-ES(datDJSIretOUTSAt168$rev.DJSIretOUTSAt168, p=0.975, method="modified")	DJSIESNOt168<-ES(datDJSIretOUTSAt168$rev.DJSIretOUTSAt168, p=0.975, method="gaussian")	DJSIESHIt168	DJSIESMDt168	DJSIESNDt168
DJSIESMOt169<-ES(datDJSIretOUTSAt169$rev.DJSIretOUTSAt169, p=0.975, method="modified")	DJSIESNOt169<-ES(datDJSIretOUTSAt169$rev.DJSIretOUTSAt169, p=0.975, method="gaussian")	DJSIESHIt169	DJSIESMDt169	DJSIESNDt169
DJSIESMOt170<-ES(datDJSIretOUTSAt170$rev.DJSIretOUTSAt170, p=0.975, method="modified")	DJSIESNOt170<-ES(datDJSIretOUTSAt170$rev.DJSIretOUTSAt170, p=0.975, method="gaussian")	DJSIESHIt170	DJSIESMDt170	DJSIESNDt170
DJSIESMOt171<-ES(datDJSIretOUTSAt171$rev.DJSIretOUTSAt171, p=0.975, method="modified")	DJSIESNOt171<-ES(datDJSIretOUTSAt171$rev.DJSIretOUTSAt171, p=0.975, method="gaussian")	DJSIESHIt171	DJSIESMDt171	DJSIESNDt171
DJSIESMOt172<-ES(datDJSIretOUTSAt172$rev.DJSIretOUTSAt172, p=0.975, method="modified")	DJSIESNOt172<-ES(datDJSIretOUTSAt172$rev.DJSIretOUTSAt172, p=0.975, method="gaussian")	DJSIESHIt172	DJSIESMDt172	DJSIESNDt172
DJSIESMOt173<-ES(datDJSIretOUTSAt173$rev.DJSIretOUTSAt173, p=0.975, method="modified")	DJSIESNOt173<-ES(datDJSIretOUTSAt173$rev.DJSIretOUTSAt173, p=0.975, method="gaussian")	DJSIESHIt173	DJSIESMDt173	DJSIESNDt173
DJSIESMOt174<-ES(datDJSIretOUTSAt174$rev.DJSIretOUTSAt174, p=0.975, method="modified")	DJSIESNOt174<-ES(datDJSIretOUTSAt174$rev.DJSIretOUTSAt174, p=0.975, method="gaussian")	DJSIESHIt174	DJSIESMDt174	DJSIESNDt174
DJSIESMOt175<-ES(datDJSIretOUTSAt175$rev.DJSIretOUTSAt175, p=0.975, method="modified")	DJSIESNOt175<-ES(datDJSIretOUTSAt175$rev.DJSIretOUTSAt175, p=0.975, method="gaussian")	DJSIESHIt175	DJSIESMDt175	DJSIESNDt175
DJSIESMOt176<-ES(datDJSIretOUTSAt176$rev.DJSIretOUTSAt176, p=0.975, method="modified")	DJSIESNOt176<-ES(datDJSIretOUTSAt176$rev.DJSIretOUTSAt176, p=0.975, method="gaussian")	DJSIESHIt176	DJSIESMDt176	DJSIESNDt176
DJSIESMOt177<-ES(datDJSIretOUTSAt177$rev.DJSIretOUTSAt177, p=0.975, method="modified")	DJSIESNOt177<-ES(datDJSIretOUTSAt177$rev.DJSIretOUTSAt177, p=0.975, method="gaussian")	DJSIESHIt177	DJSIESMDt177	DJSIESNDt177
DJSIESMOt178<-ES(datDJSIretOUTSAt178$rev.DJSIretOUTSAt178, p=0.975, method="modified")	DJSIESNOt178<-ES(datDJSIretOUTSAt178$rev.DJSIretOUTSAt178, p=0.975, method="gaussian")	DJSIESHIt178	DJSIESMDt178	DJSIESNDt178
DJSIESMOt179<-ES(datDJSIretOUTSAt179$rev.DJSIretOUTSAt179, p=0.975, method="modified")	DJSIESNOt179<-ES(datDJSIretOUTSAt179$rev.DJSIretOUTSAt179, p=0.975, method="gaussian")	DJSIESHIt179	DJSIESMDt179	DJSIESNDt179
DJSIESMOt180<-ES(datDJSIretOUTSAt180$rev.DJSIretOUTSAt180, p=0.975, method="modified")	DJSIESNOt180<-ES(datDJSIretOUTSAt180$rev.DJSIretOUTSAt180, p=0.975, method="gaussian")	DJSIESHIt180	DJSIESMDt180	DJSIESNDt180
DJSIESMOt181<-ES(datDJSIretOUTSAt181$rev.DJSIretOUTSAt181, p=0.975, method="modified")	DJSIESNOt181<-ES(datDJSIretOUTSAt181$rev.DJSIretOUTSAt181, p=0.975, method="gaussian")	DJSIESHIt181	DJSIESMDt181	DJSIESNDt181
DJSUESMOt1<-ES(datDJSUretOUTSAt1$rev.DJSUretOUTSAt1, p=0.975, method="modified")	DJSUESNOt1<-ES(datDJSUretOUTSAt1$rev.DJSUretOUTSAt1, p=0.975, method="gaussian")	DJSUESHIt1	DJSUESMDt1	DJSUESNDt1
DJSUESMOt2<-ES(datDJSUretOUTSAt2$rev.DJSUretOUTSAt2, p=0.975, method="modified")	DJSUESNOt2<-ES(datDJSUretOUTSAt2$rev.DJSUretOUTSAt2, p=0.975, method="gaussian")	DJSUESHIt2	DJSUESMDt2	DJSUESNDt2
DJSUESMOt3<-ES(datDJSUretOUTSAt3$rev.DJSUretOUTSAt3, p=0.975, method="modified")	DJSUESNOt3<-ES(datDJSUretOUTSAt3$rev.DJSUretOUTSAt3, p=0.975, method="gaussian")	DJSUESHIt3	DJSUESMDt3	DJSUESNDt3

DJSUESMOt103<-ES(datDJSUretOUTSAt103$rev.DJSUretOUTSAt103, p=0.975, method="modified")	DJSUESNOt103<-ES(datDJSUretOUTSAt103$rev.DJSUretOUTSAt103, p=0.975, method="gaussian")	DJSUESHIt103	DJSUESMOt103	DJSUESNOt103
DJSUESMOt104<-ES(datDJSUretOUTSAt104$rev.DJSUretOUTSAt104, p=0.975, method="modified")	DJSUESNOt104<-ES(datDJSUretOUTSAt104$rev.DJSUretOUTSAt104, p=0.975, method="gaussian")	DJSUESHIt104	DJSUESMOt104	DJSUESNOt104
DJSUESMOt105<-ES(datDJSUretOUTSAt105$rev.DJSUretOUTSAt105, p=0.975, method="modified")	DJSUESNOt105<-ES(datDJSUretOUTSAt105$rev.DJSUretOUTSAt105, p=0.975, method="gaussian")	DJSUESHIt105	DJSUESMOt105	DJSUESNOt105
DJSUESMOt106<-ES(datDJSUretOUTSAt106$rev.DJSUretOUTSAt106, p=0.975, method="modified")	DJSUESNOt106<-ES(datDJSUretOUTSAt106$rev.DJSUretOUTSAt106, p=0.975, method="gaussian")	DJSUESHIt106	DJSUESMOt106	DJSUESNOt106
DJSUESMOt107<-ES(datDJSUretOUTSAt107$rev.DJSUretOUTSAt107, p=0.975, method="modified")	DJSUESNOt107<-ES(datDJSUretOUTSAt107$rev.DJSUretOUTSAt107, p=0.975, method="gaussian")	DJSUESHIt107	DJSUESMOt107	DJSUESNOt107
DJSUESMOt108<-ES(datDJSUretOUTSAt108$rev.DJSUretOUTSAt108, p=0.975, method="modified")	DJSUESNOt108<-ES(datDJSUretOUTSAt108$rev.DJSUretOUTSAt108, p=0.975, method="gaussian")	DJSUESHIt108	DJSUESMOt108	DJSUESNOt108
DJSUESMOt109<-ES(datDJSUretOUTSAt109$rev.DJSUretOUTSAt109, p=0.975, method="modified")	DJSUESNOt109<-ES(datDJSUretOUTSAt109$rev.DJSUretOUTSAt109, p=0.975, method="gaussian")	DJSUESHIt109	DJSUESMOt109	DJSUESNOt109
DJSUESMOt110<-ES(datDJSUretOUTSAt110$rev.DJSUretOUTSAt110, p=0.975, method="modified")	DJSUESNOt110<-ES(datDJSUretOUTSAt110$rev.DJSUretOUTSAt110, p=0.975, method="gaussian")	DJSUESHIt110	DJSUESMOt110	DJSUESNOt110
DJSUESMOt111<-ES(datDJSUretOUTSAt111$rev.DJSUretOUTSAt111, p=0.975, method="modified")	DJSUESNOt111<-ES(datDJSUretOUTSAt111$rev.DJSUretOUTSAt111, p=0.975, method="gaussian")	DJSUESHIt111	DJSUESMOt111	DJSUESNOt111
DJSUESMOt112<-ES(datDJSUretOUTSAt112$rev.DJSUretOUTSAt112, p=0.975, method="modified")	DJSUESNOt112<-ES(datDJSUretOUTSAt112$rev.DJSUretOUTSAt112, p=0.975, method="gaussian")	DJSUESHIt112	DJSUESMOt112	DJSUESNOt112
DJSUESMOt113<-ES(datDJSUretOUTSAt113$rev.DJSUretOUTSAt113, p=0.975, method="modified")	DJSUESNOt113<-ES(datDJSUretOUTSAt113$rev.DJSUretOUTSAt113, p=0.975, method="gaussian")	DJSUESHIt113	DJSUESMOt113	DJSUESNOt113
DJSUESMOt114<-ES(datDJSUretOUTSAt114$rev.DJSUretOUTSAt114, p=0.975, method="modified")	DJSUESNOt114<-ES(datDJSUretOUTSAt114$rev.DJSUretOUTSAt114, p=0.975, method="gaussian")	DJSUESHIt114	DJSUESMOt114	DJSUESNOt114
DJSUESMOt115<-ES(datDJSUretOUTSAt115$rev.DJSUretOUTSAt115, p=0.975, method="modified")	DJSUESNOt115<-ES(datDJSUretOUTSAt115$rev.DJSUretOUTSAt115, p=0.975, method="gaussian")	DJSUESHIt115	DJSUESMOt115	DJSUESNOt115
DJSUESMOt116<-ES(datDJSUretOUTSAt116$rev.DJSUretOUTSAt116, p=0.975, method="modified")	DJSUESNOt116<-ES(datDJSUretOUTSAt116$rev.DJSUretOUTSAt116, p=0.975, method="gaussian")	DJSUESHIt116	DJSUESMOt116	DJSUESNOt116
DJSUESMOt117<-ES(datDJSUretOUTSAt117$rev.DJSUretOUTSAt117, p=0.975, method="modified")	DJSUESNOt117<-ES(datDJSUretOUTSAt117$rev.DJSUretOUTSAt117, p=0.975, method="gaussian")	DJSUESHIt117	DJSUESMOt117	DJSUESNOt117
DJSUESMOt118<-ES(datDJSUretOUTSAt118$rev.DJSUretOUTSAt118, p=0.975, method="modified")	DJSUESNOt118<-ES(datDJSUretOUTSAt118$rev.DJSUretOUTSAt118, p=0.975, method="gaussian")	DJSUESHIt118	DJSUESMOt118	DJSUESNOt118
DJSUESMOt119<-ES(datDJSUretOUTSAt119$rev.DJSUretOUTSAt119, p=0.975, method="modified")	DJSUESNOt119<-ES(datDJSUretOUTSAt119$rev.DJSUretOUTSAt119, p=0.975, method="gaussian")	DJSUESHIt119	DJSUESMOt119	DJSUESNOt119
DJSUESMOt120<-ES(datDJSUretOUTSAt120$rev.DJSUretOUTSAt120, p=0.975, method="modified")	DJSUESNOt120<-ES(datDJSUretOUTSAt120$rev.DJSUretOUTSAt120, p=0.975, method="gaussian")	DJSUESHIt120	DJSUESMOt120	DJSUESNOt120
DJSUESMOt121<-ES(datDJSUretOUTSAt121$rev.DJSUretOUTSAt121, p=0.975, method="modified")	DJSUESNOt121<-ES(datDJSUretOUTSAt121$rev.DJSUretOUTSAt121, p=0.975, method="gaussian")	DJSUESHIt121	DJSUESMOt121	DJSUESNOt121
DJSUESMOt122<-ES(datDJSUretOUTSAt122$rev.DJSUretOUTSAt122, p=0.975, method="modified")	DJSUESNOt122<-ES(datDJSUretOUTSAt122$rev.DJSUretOUTSAt122, p=0.975, method="gaussian")	DJSUESHIt122	DJSUESMOt122	DJSUESNOt122
DJSUESMOt123<-ES(datDJSUretOUTSAt123$rev.DJSUretOUTSAt123, p=0.975, method="modified")	DJSUESNOt123<-ES(datDJSUretOUTSAt123$rev.DJSUretOUTSAt123, p=0.975, method="gaussian")	DJSUESHIt123	DJSUESMOt123	DJSUESNOt123
DJSUESMOt124<-ES(datDJSUretOUTSAt124$rev.DJSUretOUTSAt124, p=0.975, method="modified")	DJSUESNOt124<-ES(datDJSUretOUTSAt124$rev.DJSUretOUTSAt124, p=0.975, method="gaussian")	DJSUESHIt124	DJSUESMOt124	DJSUESNOt124
DJSUESMOt125<-ES(datDJSUretOUTSAt125$rev.DJSUretOUTSAt125, p=0.975, method="modified")	DJSUESNOt125<-ES(datDJSUretOUTSAt125$rev.DJSUretOUTSAt125, p=0.975, method="gaussian")	DJSUESHIt125	DJSUESMOt125	DJSUESNOt125
DJSUESMOt126<-ES(datDJSUretOUTSAt126$rev.DJSUretOUTSAt126, p=0.975, method="modified")	DJSUESNOt126<-ES(datDJSUretOUTSAt126$rev.DJSUretOUTSAt126, p=0.975, method="gaussian")	DJSUESHIt126	DJSUESMOt126	DJSUESNOt126
DJSUESMOt127<-ES(datDJSUretOUTSAt127$rev.DJSUretOUTSAt127, p=0.975, method="modified")	DJSUESNOt127<-ES(datDJSUretOUTSAt127$rev.DJSUretOUTSAt127, p=0.975, method="gaussian")	DJSUESHIt127	DJSUESMOt127	DJSUESNOt127
DJSUESMOt128<-ES(datDJSUretOUTSAt128$rev.DJSUretOUTSAt128, p=0.975, method="modified")	DJSUESNOt128<-ES(datDJSUretOUTSAt128$rev.DJSUretOUTSAt128, p=0.975, method="gaussian")	DJSUESHIt128	DJSUESMOt128	DJSUESNOt128
DJSUESMOt129<-ES(datDJSUretOUTSAt129$rev.DJSUretOUTSAt129, p=0.975, method="modified")	DJSUESNOt129<-ES(datDJSUretOUTSAt129$rev.DJSUretOUTSAt129, p=0.975, method="gaussian")	DJSUESHIt129	DJSUESMOt129	DJSUESNOt129
DJSUESMOt130<-ES(datDJSUretOUTSAt130$rev.DJSUretOUTSAt130, p=0.975, method="modified")	DJSUESNOt130<-ES(datDJSUretOUTSAt130$rev.DJSUretOUTSAt130, p=0.975, method="gaussian")	DJSUESHIt130	DJSUESMOt130	DJSUESNOt130
DJSUESMOt131<-ES(datDJSUretOUTSAt131$rev.DJSUretOUTSAt131, p=0.975, method="modified")	DJSUESNOt131<-ES(datDJSUretOUTSAt131$rev.DJSUretOUTSAt131, p=0.975, method="gaussian")	DJSUESHIt131	DJSUESMOt131	DJSUESNOt131
DJSUESMOt132<-ES(datDJSUretOUTSAt132$rev.DJSUretOUTSAt132, p=0.975, method="modified")	DJSUESNOt132<-ES(datDJSUretOUTSAt132$rev.DJSUretOUTSAt132, p=0.975, method="gaussian")	DJSUESHIt132	DJSUESMOt132	DJSUESNOt132
DJSUESMOt133<-ES(datDJSUretOUTSAt133$rev.DJSUretOUTSAt133, p=0.975, method="modified")	DJSUESNOt133<-ES(datDJSUretOUTSAt133$rev.DJSUretOUTSAt133, p=0.975, method="gaussian")	DJSUESHIt133	DJSUESMOt133	DJSUESNOt133
DJSUESMOt134<-ES(datDJSUretOUTSAt134$rev.DJSUretOUTSAt134, p=0.975, method="modified")	DJSUESNOt134<-ES(datDJSUretOUTSAt134$rev.DJSUretOUTSAt134, p=0.975, method="gaussian")	DJSUESHIt134	DJSUESMOt134	DJSUESNOt134
DJSUESMOt135<-ES(datDJSUretOUTSAt135$rev.DJSUretOUTSAt135, p=0.975, method="modified")	DJSUESNOt135<-ES(datDJSUretOUTSAt135$rev.DJSUretOUTSAt135, p=0.975, method="gaussian")	DJSUESHIt135	DJSUESMOt135	DJSUESNOt135
DJSUESMOt136<-ES(datDJSUretOUTSAt136$rev.DJSUretOUTSAt136, p=0.975, method="modified")	DJSUESNOt136<-ES(datDJSUretOUTSAt136$rev.DJSUretOUTSAt136, p=0.975, method="gaussian")	DJSUESHIt136	DJSUESMOt136	DJSUESNOt136
DJSUESMOt137<-ES(datDJSUretOUTSAt137$rev.DJSUretOUTSAt137, p=0.975, method="modified")	DJSUESNOt137<-ES(datDJSUretOUTSAt137$rev.DJSUretOUTSAt137, p=0.975, method="gaussian")	DJSUESHIt137	DJSUESMOt137	DJSUESNOt137
DJSUESMOt138<-ES(datDJSUretOUTSAt138$rev.DJSUretOUTSAt138, p=0.975, method="modified")	DJSUESNOt138<-ES(datDJSUretOUTSAt138$rev.DJSUretOUTSAt138, p=0.975, method="gaussian")	DJSUESHIt138	DJSUESMOt138	DJSUESNOt138
DJSUESMOt139<-ES(datDJSUretOUTSAt139$rev.DJSUretOUTSAt139, p=0.975, method="modified")	DJSUESNOt139<-ES(datDJSUretOUTSAt139$rev.DJSUretOUTSAt139, p=0.975, method="gaussian")	DJSUESHIt139	DJSUESMOt139	DJSUESNOt139
DJSUESMOt140<-ES(datDJSUretOUTSAt140$rev.DJSUretOUTSAt140, p=0.975, method="modified")	DJSUESNOt140<-ES(datDJSUretOUTSAt140$rev.DJSUretOUTSAt140, p=0.975, method="gaussian")	DJSUESHIt140	DJSUESMOt140	DJSUESNOt140
DJSUESMOt141<-ES(datDJSUretOUTSAt141$rev.DJSUretOUTSAt141, p=0.975, method="modified")	DJSUESNOt141<-ES(datDJSUretOUTSAt141$rev.DJSUretOUTSAt141, p=0.975, method="gaussian")	DJSUESHIt141	DJSUESMOt141	DJSUESNOt141
DJSUESMOt142<-ES(datDJSUretOUTSAt142$rev.DJSUretOUTSAt142, p=0.975, method="modified")	DJSUESNOt142<-ES(datDJSUretOUTSAt142$rev.DJSUretOUTSAt142, p=0.975, method="gaussian")	DJSUESHIt142	DJSUESMOt142	DJSUESNOt142
DJSUESMOt143<-ES(datDJSUretOUTSAt143$rev.DJSUretOUTSAt143, p=0.975, method="modified")	DJSUESNOt143<-ES(datDJSUretOUTSAt143$rev.DJSUretOUTSAt143, p=0.975, method="gaussian")	DJSUESHIt143	DJSUESMOt143	DJSUESNOt143
DJSUESMOt144<-ES(datDJSUretOUTSAt144$rev.DJSUretOUTSAt144, p=0.975, method="modified")	DJSUESNOt144<-ES(datDJSUretOUTSAt144$rev.DJSUretOUTSAt144, p=0.975, method="gaussian")	DJSUESHIt144	DJSUESMOt144	DJSUESNOt144
DJSUESMOt145<-ES(datDJSUretOUTSAt145$rev.DJSUretOUTSAt145, p=0.975, method="modified")	DJSUESNOt145<-ES(datDJSUretOUTSAt145$rev.DJSUretOUTSAt145, p=0.975, method="gaussian")	DJSUESHIt145	DJSUESMOt145	DJSUESNOt145
DJSUESMOt146<-ES(datDJSUretOUTSAt146$rev.DJSUretOUTSAt146, p=0.975, method="modified")	DJSUESNOt146<-ES(datDJSUretOUTSAt146$rev.DJSUretOUTSAt146, p=0.975, method="gaussian")	DJSUESHIt146	DJSUESMOt146	DJSUESNOt146
DJSUESMOt147<-ES(datDJSUretOUTSAt147$rev.DJSUretOUTSAt147, p=0.975, method="modified")	DJSUESNOt147<-ES(datDJSUretOUTSAt147$rev.DJSUretOUTSAt147, p=0.975, method="gaussian")	DJSUESHIt147	DJSUESMOt147	DJSUESNOt147
DJSUESMOt148<-ES(datDJSUretOUTSAt148$rev.DJSUretOUTSAt148, p=0.975, method="modified")	DJSUESNOt148<-ES(datDJSUretOUTSAt148$rev.DJSUretOUTSAt148, p=0.975, method="gaussian")	DJSUESHIt148	DJSUESMOt148	DJSUESNOt148
DJSUESMOt149<-ES(datDJSUretOUTSAt149$rev.DJSUretOUTSAt149, p=0.975, method="modified")	DJSUESNOt149<-ES(datDJSUretOUTSAt149$rev.DJSUretOUTSAt149, p=0.975, method="gaussian")	DJSUESHIt149	DJSUESMOt149	DJSUESNOt149
DJSUESMOt150<-ES(datDJSUretOUTSAt150$rev.DJSUretOUTSAt150, p=0.975, method="modified")	DJSUESNOt150<-ES(datDJSUretOUTSAt150$rev.DJSUretOUTSAt150, p=0.975, method="gaussian")	DJSUESHIt150	DJSUESMOt150	DJSUESNOt150
DJSUESMOt151<-ES(datDJSUretOUTSAt151$rev.DJSUretOUTSAt151, p=0.975, method="modified")	DJSUESNOt151<-ES(datDJSUretOUTSAt151$rev.DJSUretOUTSAt151, p=0.975, method="gaussian")	DJSUESHIt151	DJSUESMOt151	DJSUESNOt151
DJSUESMOt152<-ES(datDJSUretOUTSAt152$rev.DJSUretOUTSAt152, p=0.975, method="modified")	DJSUESNOt152<-ES(datDJSUretOUTSAt152$rev.DJSUretOUTSAt152, p=0.975, method="gaussian")	DJSUESHIt152	DJSUESMOt152	DJSUESNOt152
DJSUESMOt153<-ES(datDJSUretOUTSAt153$rev.DJSUretOUTSAt153, p=0.975, method="modified")	DJSUESNOt153<-ES(datDJSUretOUTSAt153$rev.DJSUretOUTSAt153, p=0.975, method="gaussian")	DJSUESHIt153	DJSUESMOt153	DJSUESNOt153
DJSUESMOt154<-ES(datDJSUretOUTSAt154$rev.DJSUretOUTSAt154, p=0.975, method="modified")	DJSUESNOt154<-ES(datDJSUretOUTSAt154$rev.DJSUretOUTSAt154, p=0.975, method="gaussian")	DJSUESHIt154	DJSUESMOt154	DJSUESNOt154
DJSUESMOt155<-ES(datDJSUretOUTSAt155$rev.DJSUretOUTSAt155, p=0.975, method="modified")	DJSUESNOt155<-ES(datDJSUretOUTSAt155$rev.DJSUretOUTSAt155, p=0.975, method="gaussian")	DJSUESHIt155	DJSUESMOt155	DJSUESNOt155
DJSUESMOt156<-ES(datDJSUretOUTSAt156$rev.DJSUretOUTSAt156, p=0.975, method="modified")	DJSUESNOt156<-ES(datDJSUretOUTSAt156$rev.DJSUretOUTSAt156, p=0.975, method="gaussian")	DJSUESHIt156	DJSUESMOt156	DJSUESNOt156
DJSUESMOt157<-ES(datDJSUretOUTSAt157$rev.DJSUretOUTSAt157, p=0.975, method="modified")	DJSUESNOt157<-ES(datDJSUretOUTSAt157$rev.DJSUretOUTSAt157, p=0.975, method="gaussian")	DJSUESHIt157	DJSUESMOt157	DJSUESNOt157
DJSUESMOt158<-ES(datDJSUretOUTSAt158$rev.DJSUretOUTSAt158, p=0.975, method="modified")	DJSUESNOt158<-ES(datDJSUretOUTSAt158$rev.DJSUretOUTSAt158, p=0.975, method="gaussian")	DJSUESHIt158	DJSUESMOt158	DJSUESNOt158
DJSUESMOt159<-ES(datDJSUretOUTSAt159$rev.DJSUretOUTSAt159, p=0.975, method="modified")	DJSUESNOt159<-ES(datDJSUretOUTSAt159$rev.DJSUretOUTSAt159, p=0.975, method="gaussian")	DJSUESHIt159	DJSUESMOt159	DJSUESNOt159
DJSUESMOt160<-ES(datDJSUretOUTSAt160$rev.DJSUretOUTSAt160, p=0.975, method="modified")	DJSUESNOt160<-ES(datDJSUretOUTSAt160$rev.DJSUretOUTSAt160, p=0.975, method="gaussian")	DJSUESHIt160	DJSUESMOt160	DJSUESNOt160
DJSUESMOt161<-ES(datDJSUretOUTSAt161$rev.DJSUretOUTSAt161, p=0.975, method="modified")	DJSUESNOt161<-ES(datDJSUretOUTSAt161$rev.DJSUretOUTSAt161, p=0.975, method="gaussian")	DJSUESHIt161	DJSUESMOt161	DJSUESNOt161
DJSUESMOt162<-ES(datDJSUretOUTSAt162$rev.DJSUretOUTSAt162, p=0.975, method="modified")	DJSUESNOt162<-ES(datDJSUretOUTSAt162$rev.DJSUretOUTSAt162, p=0.975, method="gaussian")	DJSUESHIt162	DJSUESMOt162	DJSUESNOt162
DJSUESMOt163<-ES(datDJSUretOUTSAt163$rev.DJSUretOUTSAt163, p=0.975, method="modified")	DJSUESNOt163<-ES(datDJSUretOUTSAt163$rev.DJSUretOUTSAt163, p=0.975, method="gaussian")	DJSUESHIt163	DJSUESMOt163	DJSUESNOt163
DJSUESMOt164<-ES(datDJSUretOUTSAt164$rev.DJSUretOUTSAt164, p=0.975, method="modified")	DJSUESNOt164<-ES(datDJSUretOUTSAt164$rev.DJSUretOUTSAt164, p=0.975, method="gaussian")	DJSUESHIt164	DJSUESMOt164	DJSUESNOt164
DJSUESMOt165<-ES(datDJSUretOUTSAt165$rev.DJSUretOUTSAt165, p=0.975, method="modified")	DJSUESNOt165<-ES(datDJSUretOUTSAt165$rev.DJSUretOUTSAt165, p=0.975, method="gaussian")	DJSUESHIt165	DJSUESMOt165	DJSUESNOt165
DJSUESMOt166<-ES(datDJSUretOUTSAt166$rev.DJSUretOUTSAt166, p=0.975, method="modified")	DJSUESNOt166<-ES(datDJSUretOUTSAt166$rev.DJSUretOUTSAt166, p=0.975, method="gaussian")	DJSUESHIt166	DJSUESMOt166	DJSUESNOt166
DJSUESMOt167<-ES(datDJSUretOUTSAt167$rev.DJSUretOUTSAt167, p=0.975, method="modified")	DJSUESNOt167<-ES(datDJSUretOUTSAt167$rev.DJSUretOUTSAt167, p=0.975, method="gaussian")	DJSUESHIt167	DJSUESMOt167	DJSUESNOt167
DJSUESMOt168<-ES(datDJSUretOUTSAt168$rev.DJSUretOUTSAt168, p=0.975, method="modified")	DJSUESNOt168<-ES(datDJSUretOUTSAt168$rev.DJSUretOUTSAt168, p=0.975, method="gaussian")	DJSUESHIt168	DJSUESMOt168	DJSUESNOt168
DJSUESMOt169<-ES(datDJSUretOUTSAt169$rev.DJSUretOUTSAt169, p=0.975, method="modified")	DJSUESNOt169<-ES(datDJSUretOUTSAt169$rev.DJSUretOUTSAt169, p=0.975, method="gaussian")	DJSUESHIt169	DJSUESMOt169	DJSUESNOt169
DJSUESMOt170<-ES(datDJSUretOUTSAt170$rev.DJSUretOUTSAt170, p=0.975, method="modified")	DJSUESNOt170<-ES(datDJSUretOUTSAt170$rev.DJSUretOUTSAt170, p=0.975, method="gaussian")	DJSUESHIt170	DJSUESMOt170	DJSUESNOt170
DJSUESMOt171<-ES(datDJSUretOUTSAt171$rev.DJSUretOUTSAt171, p=0.975, method="modified")	DJSUESNOt171<-ES(datDJSUretOUTSAt171$rev.DJSUretOUTSAt171, p=0.975, method="gaussian")	DJSUESHIt171	DJSUESMOt171	DJSUESNOt171
DJSUESMOt172<-ES(datDJSUretOUTSAt172$rev.DJSUretOUTSAt172, p=0.975, method="modified")	DJSUESNOt172<-ES(datDJSUretOUTSAt172$rev.DJSUretOUTSAt172, p=0.975, method="gaussian")	DJSUESHIt172	DJSUESMOt172	DJSUESNOt172
DJSUESMOt173<-ES(datDJSUretOUTSAt173$rev.DJSUretOUTSAt173, p=0.975, method="modified")	DJSUESNOt173<-ES(datDJSUretOUTSAt173$rev.DJSUretOUTSAt173, p=0.975, method="gaussian")	DJSUESHIt173	DJSUESMOt173	DJSUESNOt173
DJSUESMOt174<-ES(datDJSUretOUTSAt174$rev.DJSUretOUTSAt174, p=0.975, method="modified")	DJSUESNOt174<-ES(datDJSUretOUTSAt174$rev.DJSUretOUTSAt174, p=0.975, method="gaussian")	DJSUESHIt174	DJSUESMOt174	DJSUESNOt174
DJSUESMOt175<-ES(datDJSUretOUTSAt175$rev.DJSUretOUTSAt175, p=0.975, method="modified")	DJSUESNOt175<-ES(datDJSUretOUTSAt175$rev.DJSUretOUTSAt175, p=0.975, method="gaussian")	DJSUESHIt175	DJSUESMOt175	DJSUESNOt175
DJSUESMOt176<-ES(datDJSUretOUTSAt176$rev.DJSUretOUTSAt176, p=0.975, method="modified")	DJSUESNOt176<-ES(datDJSUretOUTSAt176$rev.DJSUretOUTSAt176, p=0.975, method="gaussian")	DJSUESHIt176	DJSUESMOt176	DJSUESNOt176
DJSUESMOt177<-ES(datDJSUretOUTSAt177$rev.DJSUretOUTSAt177, p=0.975, method="modified")	DJSUESNOt177<-ES(datDJSUretOUTSAt177$rev.DJSUretOUTSAt177, p=0.975, method="gaussian")	DJSUESHIt177	DJSUESMOt177	DJSUESNOt177
DJSUESMOt178<-ES(datDJSUretOUTSAt178$rev.DJSUretOUTSAt178, p=0.975, method="modified")	DJSUESNOt178<-ES(datDJSUretOUTSAt178$rev.DJSUretOUTSAt178, p=0.975, method="gaussian")	DJSUESHIt178	DJSUESMOt178	DJSUESNOt178
DJSUESMOt179<-ES(datDJSUretOUTSAt179$rev.DJSUretOUTSAt179, p=0.975, method="modified")	DJSUESNOt179<-ES(datDJSUretOUTSAt179$rev.DJSUretOUTSAt179, p=0.975, method="gaussian")	DJSUESHIt179	DJSUESMOt179	DJSUESNOt179
DJSUESMOt180<-ES(datDJSUretOUTSAt180$rev.DJSUretOUTSAt180, p=0.975, method="modified")	DJSUESNOt180<-ES(datDJSUretOUTSAt180$rev.DJSUretOUTSAt180, p=0.975, method="gaussian")	DJSUESHIt180	DJSUESMOt180	DJSUESNOt180
DJSUESMOt181<-ES(datDJSUretOUTSAt181$rev.DJSUretOUTSAt181, p=0.975, method="modified")	DJSUESNOt181<-ES(datDJSUretOUTSAt181$rev.DJSUretOUTSAt181, p=0.975, method="gaussian")	DJSUESHIt181	DJSUESMOt181	DJSUESNOt181
DJWEESMOt1<-ES(datDJWEretOUTSAt1$rev.DJWEretOUTSAt1, p=0.975, method="modified")	DJWEESNOt1<-ES(datDJWEretOUTSAt1$rev.DJWEretOUTSAt1, p=0.975, method="gaussian")	DJWEESHIt1	DJWEESMOt1	DJWEESNOt1
DJWEESMOt2<-ES(datDJWEretOUTSAt2$rev.DJWEretOUTSAt2, p=0.975, method="modified")	DJWEESNOt2<-ES(datDJWEretOUTSAt2$rev.DJWEretOUTSAt2, p=0.975, method="gaussian")	DJWEESHIt2	DJWEESMOt2	DJWEESNOt2
DJWEESMOt3<-ES(datDJWEretOUTSAt3$rev.DJWEretOUTSAt3, p=0.975, method="modified")	DJWEESNOt3<-ES(datDJWEretOUTSAt3$rev.DJWEretOUTSAt3, p=0.975, method="gaussian")	DJWEESHIt3	DJWEESMOt3	DJWEESNOt3
DJWEESMOt4<-ES(datDJWEretOUTSAt4$rev.DJWEretOUTSAt4, p=0.975, method="modified")	DJWEESNOt4<-ES(datDJWEretOUTSAt4$rev.DJWEretOUTSAt4, p=0.975, method="gaussian")	DJWEESHIt4	DJWEESMOt4	DJWEESNOt4
DJWEESMOt5<-ES(datDJWEretOUTSAt5$rev.DJWEretOUTSAt5, p=0.975, method="modified")	DJWEESNOt5<-ES(datDJWEretOUTSAt5$rev.DJWEretOUTSAt5, p=0.975, method="gaussian")	DJWEESHIt5	DJWEESMOt5	DJWEESNOt5
DJWEESMOt6<-ES(datDJWEretOUTSAt6$rev.DJWEretOUTSAt6, p=0.975, method="modified")	DJWEESNOt6<-ES(datDJWEretOUTSAt6$rev.DJWEretOUTSAt6, p=0.975, method="gaussian")	DJWEESHIt6	DJWEESMOt6	DJWEESNOt6
DJWEESMOt7<-ES(datDJWEretOUTSAt7$rev.DJWEretOUTSAt7, p=0.975, method="modified")	DJWEESNOt7<-ES(datDJWEretOUTSAt7$rev.DJWEretOUTSAt7, p=0.975, method="gaussian")	DJWEESHIt7	DJWEESMOt7	DJWEESNOt7
DJWEESMOt8<-ES(datDJWEretOUTSAt8$rev.DJWEretOUTSAt8, p=0.975, method="modified")	DJWEESNOt8<-ES(datDJWEretOUTSAt8$rev.DJWEretOUTSAt8, p=0.975, method="gaussian")	DJWEESHIt8	DJWEESMOt8	DJWEESNOt8
DJWEESMOt9<-ES(datDJWEretOUTSAt9$rev.DJWEretOUTSAt9, p=0.975, method="modified")	DJWEESNOt9<-ES(datDJWEretOUTSAt9$rev.DJWEretOUTSAt9, p=0.975, method="gaussian")	DJWEESHIt9	DJWEESMOt9	DJWEESNOt9
DJWEESMOt10<-ES(datDJWEretOUTSAt10$rev.DJWEretOUTSAt10, p=0.975, method="modified")	DJWEESNOt10<-ES(datDJWEretOUTSAt10$rev.DJWEretOUTSAt10, p=0.975, method="gaussian")	DJWEESHIt10	DJWEESMOt10	DJWEESNOt10
DJWEESMOt11<-ES(datDJWEretOUTSAt11$rev.DJWEretOUTSAt11, p=0.975, method="modified")	DJWEESNOt11<-ES(datDJWEretOUTSAt11$rev.DJWEretOUTSAt11, p=0.975, method="gaussian")	DJWEESHIt11	DJWEESMOt11	DJWEESNOt11
DJWEESMOt12<-ES(datDJWEretOUTSAt12$rev.DJWEretOUTSAt12, p=0.975, method="modified")	DJWEESNOt12<-ES(datDJWEretOUTSAt12$rev.DJWEretOUTSAt12, p=0.975, method="gaussian")	DJWEESHIt12	DJWEESMOt12	DJWEESNOt12
DJWEESMOt13<-ES(datDJWEretOUTSAt13$rev.DJWEretOUTSAt13, p=0.975, method="modified")	DJWEESNOt13<-ES(datDJWEretOUTSAt13$rev.DJWEretOUTSAt13, p=0.975, method="gaussian")	DJWEESHIt13	DJWEESMOt13	DJWEESNOt13
DJWEESMOt14<-ES(datDJWEretOUTSAt14$rev.DJWEretOUTSAt14, p=0.975, method="modified")	DJWEESNOt14<-ES(datDJWEretOUTSAt14$rev.DJWEretOUTSAt14, p=0.975, method="gaussian")	DJWEESHIt14	DJWEESMOt14	DJWEESNOt14
DJWEESMOt15<-ES(datDJWEretOUTSAt15$rev.DJWEretOUTSAt15, p=0.975, method="modified")	DJWEESNOt15<-ES(datDJWEretOUTSAt15$rev.DJWEretOUTSAt15, p=0.975, method="gaussian")	DJWEESHIt15	DJWEESMOt15	DJWEESNOt15
DJWEESMOt16<-ES(datDJWEretOUTSAt16$rev.DJWEretOUTSAt16, p=0.975, method="modified")	DJWEESNOt16<-ES(datDJWEretOUTSAt16$rev.DJWEretOUTSAt16, p=0.975, method="gaussian")	DJWEESHIt16	DJWEESMOt16	DJWEESNOt16
DJWEESMOt17<-ES(datDJWEretOUTSAt17$rev.DJWEretOUTSAt17, p=0.975, method="modified")	DJWEESNOt17<-ES(datDJWEretOUTSAt17$rev.DJWEretOUTSAt17, p=0.975, method="gaussian")	DJWEESHIt17	DJWEESMOt17	DJWEESNOt17
DJWEESMOt18<-ES(datDJWEretOUTSAt18$rev.DJWEretOUTSAt18, p=0.975, method="modified")	DJWEESNOt18<-ES(datDJWEretOUTSAt18$rev.DJWEretOUTSAt18, p=0.975, method="gaussian")	DJWEESHIt18	DJWEESMOt18	DJWEESNOt18
DJWEESMOt19<-ES(datDJWEretOUTSAt19$rev.DJWEretOUTSAt19, p=0.975, method="modified")	DJWEESNOt19<-ES(datDJWEretOUTSAt19$rev.DJWEretOUTSAt19, p=0.975, method="gaussian")	DJWEESHIt19	DJWEESMOt19	DJWEESNOt19
DJWEESMOt20<-ES(datDJWEretOUTSAt20$rev.DJWEretOUTSAt20, p=0.975, method="modified")	DJWEESNOt20<-ES(datDJWEretOUTSAt20$rev.DJWEretOUTSAt20, p=0.975, method="gaussian")	DJWEESHIt20	DJWEESMOt20	DJWEESNOt20
DJWEESMOt21<-ES(datDJWEretOUTSAt21$rev.DJWEretOUTSAt21, p=0.975, method="modified")	DJWEESNOt21<-ES(datDJWEretOUTSAt21$rev.DJWEretOUTSAt21, p=0.975, method="gaussian")	DJWEESHIt21	DJWEESMOt21	DJWEESNOt21
DJWEESMOt22<-ES(datDJWEretOUTSAt22$rev.DJWEretOUTSAt22, p=0.975, method="modified")	DJWEESNOt22<-ES(datDJWEretOUTSAt22$rev.DJWEretOUTSAt22, p=0.975, method="gaussian")	DJWEESHIt22	DJWEESMOt22	DJWEESNOt22
DJWEESMOt23<-ES(datDJWEretOUTSAt23$rev.DJWEretOUTSAt23, p=0.975, method="modified")	DJWEESNOt23<-ES(datDJWEretOUTSAt23$rev.DJWEretOUTSAt23, p=0.975, method="gaussian")	DJWEESHIt23	DJWEESMOt23	DJWEESNOt23
DJWEESMOt24<-ES(datDJWEretOUTSAt24$rev.DJWEretOUTSAt24, p=0.975, method="modified")	DJWEESNOt24<-ES(datDJWEretOUTSAt24$rev.DJWEretOUTSAt24, p=0.975, method="gaussian")	DJWEESHIt24	DJWEESMOt24	DJWEESNOt24
DJWEESMOt25<-ES(datDJWEretOUTSAt25$rev.DJWEretOUTSAt25, p=0.975, method="modified")	DJWEESNOt25<-ES(datDJWEretOUTSAt25$rev.DJWEretOUTSAt25, p=0.975, method="gaussian")	DJWEESHIt25	DJWEESMOt25	DJWEESNOt25
DJWEESMOt26<-ES(datDJWEretOUTSAt26$rev.DJWEretOUTSAt26, p=0.975, method="modified")	DJWEESNOt26<-ES(datDJWEretOUTSAt26$rev.DJWEretOUTSAt26, p=0.975, method="gaussian")	DJWEESHIt26	DJWEESMOt26	DJWEESNOt26
DJWEESMOt27<-ES(datDJWEretOUTSAt27$rev.DJWEretOUTSAt27, p=0.975, method="modified")	DJWEESNOt27<-ES(datDJWEretOUTSAt27$rev.DJWEretOUTSAt27, p=0.975, method="gaussian")	DJWEESHIt27	DJWEESMOt27	DJWEESNOt27
DJWEESMOt28<-ES(datDJWEretOUTSAt28$rev.DJWEretOUTSAt28, p=0.975, method="modified")	DJWEESNOt28<-ES(datDJWEretOUTSAt28$rev.DJWEretOUTSAt28, p=0.975, method="gaussian")	DJWEESHIt28	DJWEESMOt28	DJWEESNOt28
DJWEESMOt29<-

DJWEESMOt49<-ES(datDJWeretOUTSAt49$rev.DJWeretOUTSAt49, p=0.975, method="modified")	DJWEESNOt49<-ES(datDJWeretOUTSAt49$rev.DJWeretOUTSAt49, p=0.975, method="gaussian")	DJWEESHIt49	DJWEESMOt49	DJWEESNOt49
DJWEESMOt50<-ES(datDJWeretOUTSAt50$rev.DJWeretOUTSAt50, p=0.975, method="modified")	DJWEESNOt50<-ES(datDJWeretOUTSAt50$rev.DJWeretOUTSAt50, p=0.975, method="gaussian")	DJWEESHIt50	DJWEESMOt50	DJWEESNOt50
DJWEESMOt51<-ES(datDJWeretOUTSAt51$rev.DJWeretOUTSAt51, p=0.975, method="modified")	DJWEESNOt51<-ES(datDJWeretOUTSAt51$rev.DJWeretOUTSAt51, p=0.975, method="gaussian")	DJWEESHIt51	DJWEESMOt51	DJWEESNOt51

DJWEESMDt178<-ES(datDJWEretOUTSAt178$rev.DJWEretOUTSAt178, p=0.975, method="modified")	DJWEESNDt178<-ES(datDJWEretOUTSAt178$rev.DJWEretOUTSAt178, p=0.975, method="gaussian")	DJWEESHIt178	DJWEESMDt178	DJWEESNDt178
DJWEESMDt179<-ES(datDJWEretOUTSAt179$rev.DJWEretOUTSAt179, p=0.975, method="modified")	DJWEESNDt179<-ES(datDJWEretOUTSAt179$rev.DJWEretOUTSAt179, p=0.975, method="gaussian")	DJWEESHIt179	DJWEESMDt179	DJWEESNDt179
DJWEESMDt180<-ES(datDJWEretOUTSAt180$rev.DJWEretOUTSAt180, p=0.975, method="modified")	DJWEESNDt180<-ES(datDJWEretOUTSAt180$rev.DJWEretOUTSAt180, p=0.975, method="gaussian")	DJWEESHIt180	DJWEESMDt180	DJWEESNDt180
DJWEESMDt181<-ES(datDJWEretOUTSAt181$rev.DJWEretOUTSAt181, p=0.975, method="modified")	DJWEESNDt181<-ES(datDJWEretOUTSAt181$rev.DJWEretOUTSAt181, p=0.975, method="gaussian")	DJWEESHIt181	DJWEESMDt181	DJWEESNDt181
DJZIESMDt1<-ES(datDJZIretOUTSAt1$rev.DJZIretOUTSAt1, p=0.975, method="modified")	DJZIESNDt1<-ES(datDJZIretOUTSAt1$rev.DJZIretOUTSAt1, p=0.975, method="gaussian")	DJZIESHIt1	DJZIESMDt1	DJZIESNDt1
DJZIESMDt2<-ES(datDJZIretOUTSAt2$rev.DJZIretOUTSAt2, p=0.975, method="modified")	DJZIESNDt2<-ES(datDJZIretOUTSAt2$rev.DJZIretOUTSAt2, p=0.975, method="gaussian")	DJZIESHIt2	DJZIESMDt2	DJZIESNDt2
DJZIESMDt3<-ES(datDJZIretOUTSAt3$rev.DJZIretOUTSAt3, p=0.975, method="modified")	DJZIESNDt3<-ES(datDJZIretOUTSAt3$rev.DJZIretOUTSAt3, p=0.975, method="gaussian")	DJZIESHIt3	DJZIESMDt3	DJZIESNDt3

DJZIESMDt124<-ES(datDJZIretOUTSAt124$rev.DJZIretOUTSAt124, p=0.975, method="modified")	DJZIESNDt124<-ES(datDJZIretOUTSAt124$rev.DJZIretOUTSAt124, p=0.975, method="gaussian")	DJZIESHIt124	DJZIESMDt124	DJZIESNDt124
DJZIESMDt125<-ES(datDJZIretOUTSAt125$rev.DJZIretOUTSAt125, p=0.975, method="modified")	DJZIESNDt125<-ES(datDJZIretOUTSAt125$rev.DJZIretOUTSAt125, p=0.975, method="gaussian")	DJZIESHIt125	DJZIESMDt125	DJZIESNDt125
DJZIESMDt126<-ES(datDJZIretOUTSAt126$rev.DJZIretOUTSAt126, p=0.975, method="modified")	DJZIESNDt126<-ES(datDJZIretOUTSAt126$rev.DJZIretOUTSAt126, p=0.975, method="gaussian")	DJZIESHIt126	DJZIESMDt126	DJZIESNDt126
DJZIESMDt127<-ES(datDJZIretOUTSAt127$rev.DJZIretOUTSAt127, p=0.975, method="modified")	DJZIESNDt127<-ES(datDJZIretOUTSAt127$rev.DJZIretOUTSAt127, p=0.975, method="gaussian")	DJZIESHIt127	DJZIESMDt127	DJZIESNDt127
DJZIESMDt128<-ES(datDJZIretOUTSAt128$rev.DJZIretOUTSAt128, p=0.975, method="modified")	DJZIESNDt128<-ES(datDJZIretOUTSAt128$rev.DJZIretOUTSAt128, p=0.975, method="gaussian")	DJZIESHIt128	DJZIESMDt128	DJZIESNDt128
DJZIESMDt129<-ES(datDJZIretOUTSAt129$rev.DJZIretOUTSAt129, p=0.975, method="modified")	DJZIESNDt129<-ES(datDJZIretOUTSAt129$rev.DJZIretOUTSAt129, p=0.975, method="gaussian")	DJZIESHIt129	DJZIESMDt129	DJZIESNDt129
DJZIESMDt130<-ES(datDJZIretOUTSAt130$rev.DJZIretOUTSAt130, p=0.975, method="modified")	DJZIESNDt130<-ES(datDJZIretOUTSAt130$rev.DJZIretOUTSAt130, p=0.975, method="gaussian")	DJZIESHIt130	DJZIESMDt130	DJZIESNDt130
DJZIESMDt131<-ES(datDJZIretOUTSAt131$rev.DJZIretOUTSAt131, p=0.975, method="modified")	DJZIESNDt131<-ES(datDJZIretOUTSAt131$rev.DJZIretOUTSAt131, p=0.975, method="gaussian")	DJZIESHIt131	DJZIESMDt131	DJZIESNDt131
DJZIESMDt132<-ES(datDJZIretOUTSAt132$rev.DJZIretOUTSAt132, p=0.975, method="modified")	DJZIESNDt132<-ES(datDJZIretOUTSAt132$rev.DJZIretOUTSAt132, p=0.975, method="gaussian")	DJZIESHIt132	DJZIESMDt132	DJZIESNDt132
DJZIESMDt133<-ES(datDJZIretOUTSAt133$rev.DJZIretOUTSAt133, p=0.975, method="modified")	DJZIESNDt133<-ES(datDJZIretOUTSAt133$rev.DJZIretOUTSAt133, p=0.975, method="gaussian")	DJZIESHIt133	DJZIESMDt133	DJZIESNDt133
DJZIESMDt134<-ES(datDJZIretOUTSAt134$rev.DJZIretOUTSAt134, p=0.975, method="modified")	DJZIESNDt134<-ES(datDJZIretOUTSAt134$rev.DJZIretOUTSAt134, p=0.975, method="gaussian")	DJZIESHIt134	DJZIESMDt134	DJZIESNDt134
DJZIESMDt135<-ES(datDJZIretOUTSAt135$rev.DJZIretOUTSAt135, p=0.975, method="modified")	DJZIESNDt135<-ES(datDJZIretOUTSAt135$rev.DJZIretOUTSAt135, p=0.975, method="gaussian")	DJZIESHIt135	DJZIESMDt135	DJZIESNDt135
DJZIESMDt136<-ES(datDJZIretOUTSAt136$rev.DJZIretOUTSAt136, p=0.975, method="modified")	DJZIESNDt136<-ES(datDJZIretOUTSAt136$rev.DJZIretOUTSAt136, p=0.975, method="gaussian")	DJZIESHIt136	DJZIESMDt136	DJZIESNDt136
DJZIESMDt137<-ES(datDJZIretOUTSAt137$rev.DJZIretOUTSAt137, p=0.975, method="modified")	DJZIESNDt137<-ES(datDJZIretOUTSAt137$rev.DJZIretOUTSAt137, p=0.975, method="gaussian")	DJZIESHIt137	DJZIESMDt137	DJZIESNDt137
DJZIESMDt138<-ES(datDJZIretOUTSAt138$rev.DJZIretOUTSAt138, p=0.975, method="modified")	DJZIESNDt138<-ES(datDJZIretOUTSAt138$rev.DJZIretOUTSAt138, p=0.975, method="gaussian")	DJZIESHIt138	DJZIESMDt138	DJZIESNDt138
DJZIESMDt139<-ES(datDJZIretOUTSAt139$rev.DJZIretOUTSAt139, p=0.975, method="modified")	DJZIESNDt139<-ES(datDJZIretOUTSAt139$rev.DJZIretOUTSAt139, p=0.975, method="gaussian")	DJZIESHIt139	DJZIESMDt139	DJZIESNDt139
DJZIESMDt140<-ES(datDJZIretOUTSAt140$rev.DJZIretOUTSAt140, p=0.975, method="modified")	DJZIESNDt140<-ES(datDJZIretOUTSAt140$rev.DJZIretOUTSAt140, p=0.975, method="gaussian")	DJZIESHIt140	DJZIESMDt140	DJZIESNDt140
DJZIESMDt141<-ES(datDJZIretOUTSAt141$rev.DJZIretOUTSAt141, p=0.975, method="modified")	DJZIESNDt141<-ES(datDJZIretOUTSAt141$rev.DJZIretOUTSAt141, p=0.975, method="gaussian")	DJZIESHIt141	DJZIESMDt141	DJZIESNDt141
DJZIESMDt142<-ES(datDJZIretOUTSAt142$rev.DJZIretOUTSAt142, p=0.975, method="modified")	DJZIESNDt142<-ES(datDJZIretOUTSAt142$rev.DJZIretOUTSAt142, p=0.975, method="gaussian")	DJZIESHIt142	DJZIESMDt142	DJZIESNDt142
DJZIESMDt143<-ES(datDJZIretOUTSAt143$rev.DJZIretOUTSAt143, p=0.975, method="modified")	DJZIESNDt143<-ES(datDJZIretOUTSAt143$rev.DJZIretOUTSAt143, p=0.975, method="gaussian")	DJZIESHIt143	DJZIESMDt143	DJZIESNDt143
DJZIESMDt144<-ES(datDJZIretOUTSAt144$rev.DJZIretOUTSAt144, p=0.975, method="modified")	DJZIESNDt144<-ES(datDJZIretOUTSAt144$rev.DJZIretOUTSAt144, p=0.975, method="gaussian")	DJZIESHIt144	DJZIESMDt144	DJZIESNDt144
DJZIESMDt145<-ES(datDJZIretOUTSAt145$rev.DJZIretOUTSAt145, p=0.975, method="modified")	DJZIESNDt145<-ES(datDJZIretOUTSAt145$rev.DJZIretOUTSAt145, p=0.975, method="gaussian")	DJZIESHIt145	DJZIESMDt145	DJZIESNDt145
DJZIESMDt146<-ES(datDJZIretOUTSAt146$rev.DJZIretOUTSAt146, p=0.975, method="modified")	DJZIESNDt146<-ES(datDJZIretOUTSAt146$rev.DJZIretOUTSAt146, p=0.975, method="gaussian")	DJZIESHIt146	DJZIESMDt146	DJZIESNDt146
DJZIESMDt147<-ES(datDJZIretOUTSAt147$rev.DJZIretOUTSAt147, p=0.975, method="modified")	DJZIESNDt147<-ES(datDJZIretOUTSAt147$rev.DJZIretOUTSAt147, p=0.975, method="gaussian")	DJZIESHIt147	DJZIESMDt147	DJZIESNDt147
DJZIESMDt148<-ES(datDJZIretOUTSAt148$rev.DJZIretOUTSAt148, p=0.975, method="modified")	DJZIESNDt148<-ES(datDJZIretOUTSAt148$rev.DJZIretOUTSAt148, p=0.975, method="gaussian")	DJZIESHIt148	DJZIESMDt148	DJZIESNDt148
DJZIESMDt149<-ES(datDJZIretOUTSAt149$rev.DJZIretOUTSAt149, p=0.975, method="modified")	DJZIESNDt149<-ES(datDJZIretOUTSAt149$rev.DJZIretOUTSAt149, p=0.975, method="gaussian")	DJZIESHIt149	DJZIESMDt149	DJZIESNDt149
DJZIESMDt150<-ES(datDJZIretOUTSAt150$rev.DJZIretOUTSAt150, p=0.975, method="modified")	DJZIESNDt150<-ES(datDJZIretOUTSAt150$rev.DJZIretOUTSAt150, p=0.975, method="gaussian")	DJZIESHIt150	DJZIESMDt150	DJZIESNDt150
DJZIESMDt151<-ES(datDJZIretOUTSAt151$rev.DJZIretOUTSAt151, p=0.975, method="modified")	DJZIESNDt151<-ES(datDJZIretOUTSAt151$rev.DJZIretOUTSAt151, p=0.975, method="gaussian")	DJZIESHIt151	DJZIESMDt151	DJZIESNDt151
DJZIESMDt152<-ES(datDJZIretOUTSAt152$rev.DJZIretOUTSAt152, p=0.975, method="modified")	DJZIESNDt152<-ES(datDJZIretOUTSAt152$rev.DJZIretOUTSAt152, p=0.975, method="gaussian")	DJZIESHIt152	DJZIESMDt152	DJZIESNDt152
DJZIESMDt153<-ES(datDJZIretOUTSAt153$rev.DJZIretOUTSAt153, p=0.975, method="modified")	DJZIESNDt153<-ES(datDJZIretOUTSAt153$rev.DJZIretOUTSAt153, p=0.975, method="gaussian")	DJZIESHIt153	DJZIESMDt153	DJZIESNDt153
DJZIESMDt154<-ES(datDJZIretOUTSAt154$rev.DJZIretOUTSAt154, p=0.975, method="modified")	DJZIESNDt154<-ES(datDJZIretOUTSAt154$rev.DJZIretOUTSAt154, p=0.975, method="gaussian")	DJZIESHIt154	DJZIESMDt154	DJZIESNDt154
DJZIESMDt155<-ES(datDJZIretOUTSAt155$rev.DJZIretOUTSAt155, p=0.975, method="modified")	DJZIESNDt155<-ES(datDJZIretOUTSAt155$rev.DJZIretOUTSAt155, p=0.975, method="gaussian")	DJZIESHIt155	DJZIESMDt155	DJZIESNDt155
DJZIESMDt156<-ES(datDJZIretOUTSAt156$rev.DJZIretOUTSAt156, p=0.975, method="modified")	DJZIESNDt156<-ES(datDJZIretOUTSAt156$rev.DJZIretOUTSAt156, p=0.975, method="gaussian")	DJZIESHIt156	DJZIESMDt156	DJZIESNDt156
DJZIESMDt157<-ES(datDJZIretOUTSAt157$rev.DJZIretOUTSAt157, p=0.975, method="modified")	DJZIESNDt157<-ES(datDJZIretOUTSAt157$rev.DJZIretOUTSAt157, p=0.975, method="gaussian")	DJZIESHIt157	DJZIESMDt157	DJZIESNDt157
DJZIESMDt158<-ES(datDJZIretOUTSAt158$rev.DJZIretOUTSAt158, p=0.975, method="modified")	DJZIESNDt158<-ES(datDJZIretOUTSAt158$rev.DJZIretOUTSAt158, p=0.975, method="gaussian")	DJZIESHIt158	DJZIESMDt158	DJZIESNDt158
DJZIESMDt159<-ES(datDJZIretOUTSAt159$rev.DJZIretOUTSAt159, p=0.975, method="modified")	DJZIESNDt159<-ES(datDJZIretOUTSAt159$rev.DJZIretOUTSAt159, p=0.975, method="gaussian")	DJZIESHIt159	DJZIESMDt159	DJZIESNDt159
DJZIESMDt160<-ES(datDJZIretOUTSAt160$rev.DJZIretOUTSAt160, p=0.975, method="modified")	DJZIESNDt160<-ES(datDJZIretOUTSAt160$rev.DJZIretOUTSAt160, p=0.975, method="gaussian")	DJZIESHIt160	DJZIESMDt160	DJZIESNDt160
DJZIESMDt161<-ES(datDJZIretOUTSAt161$rev.DJZIretOUTSAt161, p=0.975, method="modified")	DJZIESNDt161<-ES(datDJZIretOUTSAt161$rev.DJZIretOUTSAt161, p=0.975, method="gaussian")	DJZIESHIt161	DJZIESMDt161	DJZIESNDt161
DJZIESMDt162<-ES(datDJZIretOUTSAt162$rev.DJZIretOUTSAt162, p=0.975, method="modified")	DJZIESNDt162<-ES(datDJZIretOUTSAt162$rev.DJZIretOUTSAt162, p=0.975, method="gaussian")	DJZIESHIt162	DJZIESMDt162	DJZIESNDt162
DJZIESMDt163<-ES(datDJZIretOUTSAt163$rev.DJZIretOUTSAt163, p=0.975, method="modified")	DJZIESNDt163<-ES(datDJZIretOUTSAt163$rev.DJZIretOUTSAt163, p=0.975, method="gaussian")	DJZIESHIt163	DJZIESMDt163	DJZIESNDt163
DJZIESMDt164<-ES(datDJZIretOUTSAt164$rev.DJZIretOUTSAt164, p=0.975, method="modified")	DJZIESNDt164<-ES(datDJZIretOUTSAt164$rev.DJZIretOUTSAt164, p=0.975, method="gaussian")	DJZIESHIt164	DJZIESMDt164	DJZIESNDt164
DJZIESMDt165<-ES(datDJZIretOUTSAt165$rev.DJZIretOUTSAt165, p=0.975, method="modified")	DJZIESNDt165<-ES(datDJZIretOUTSAt165$rev.DJZIretOUTSAt165, p=0.975, method="gaussian")	DJZIESHIt165	DJZIESMDt165	DJZIESNDt165
DJZIESMDt166<-ES(datDJZIretOUTSAt166$rev.DJZIretOUTSAt166, p=0.975, method="modified")	DJZIESNDt166<-ES(datDJZIretOUTSAt166$rev.DJZIretOUTSAt166, p=0.975, method="gaussian")	DJZIESHIt166	DJZIESMDt166	DJZIESNDt166
DJZIESMDt167<-ES(datDJZIretOUTSAt167$rev.DJZIretOUTSAt167, p=0.975, method="modified")	DJZIESNDt167<-ES(datDJZIretOUTSAt167$rev.DJZIretOUTSAt167, p=0.975, method="gaussian")	DJZIESHIt167	DJZIESMDt167	DJZIESNDt167
DJZIESMDt168<-ES(datDJZIretOUTSAt168$rev.DJZIretOUTSAt168, p=0.975, method="modified")	DJZIESNDt168<-ES(datDJZIretOUTSAt168$rev.DJZIretOUTSAt168, p=0.975, method="gaussian")	DJZIESHIt168	DJZIESMDt168	DJZIESNDt168
DJZIESMDt169<-ES(datDJZIretOUTSAt169$rev.DJZIretOUTSAt169, p=0.975, method="modified")	DJZIESNDt169<-ES(datDJZIretOUTSAt169$rev.DJZIretOUTSAt169, p=0.975, method="gaussian")	DJZIESHIt169	DJZIESMDt169	DJZIESNDt169
DJZIESMDt170<-ES(datDJZIretOUTSAt170$rev.DJZIretOUTSAt170, p=0.975, method="modified")	DJZIESNDt170<-ES(datDJZIretOUTSAt170$rev.DJZIretOUTSAt170, p=0.975, method="gaussian")	DJZIESHIt170	DJZIESMDt170	DJZIESNDt170
DJZIESMDt171<-ES(datDJZIretOUTSAt171$rev.DJZIretOUTSAt171, p=0.975, method="modified")	DJZIESNDt171<-ES(datDJZIretOUTSAt171$rev.DJZIretOUTSAt171, p=0.975, method="gaussian")	DJZIESHIt171	DJZIESMDt171	DJZIESNDt171
DJZIESMDt172<-ES(datDJZIretOUTSAt172$rev.DJZIretOUTSAt172, p=0.975, method="modified")	DJZIESNDt172<-ES(datDJZIretOUTSAt172$rev.DJZIretOUTSAt172, p=0.975, method="gaussian")	DJZIESHIt172	DJZIESMDt172	DJZIESNDt172
DJZIESMDt173<-ES(datDJZIretOUTSAt173$rev.DJZIretOUTSAt173, p=0.975, method="modified")	DJZIESNDt173<-ES(datDJZIretOUTSAt173$rev.DJZIretOUTSAt173, p=0.975, method="gaussian")	DJZIESHIt173	DJZIESMDt173	DJZIESNDt173
DJZIESMDt174<-ES(datDJZIretOUTSAt174$rev.DJZIretOUTSAt174, p=0.975, method="modified")	DJZIESNDt174<-ES(datDJZIretOUTSAt174$rev.DJZIretOUTSAt174, p=0.975, method="gaussian")	DJZIESHIt174	DJZIESMDt174	DJZIESNDt174
DJZIESMDt175<-ES(datDJZIretOUTSAt175$rev.DJZIretOUTSAt175, p=0.975, method="modified")	DJZIESNDt175<-ES(datDJZIretOUTSAt175$rev.DJZIretOUTSAt175, p=0.975, method="gaussian")	DJZIESHIt175	DJZIESMDt175	DJZIESNDt175
DJZIESMDt176<-ES(datDJZIretOUTSAt176$rev.DJZIretOUTSAt176, p=0.975, method="modified")	DJZIESNDt176<-ES(datDJZIretOUTSAt176$rev.DJZIretOUTSAt176, p=0.975, method="gaussian")	DJZIESHIt176	DJZIESMDt176	DJZIESNDt176
DJZIESMDt177<-ES(datDJZIretOUTSAt177$rev.DJZIretOUTSAt177, p=0.975, method="modified")	DJZIESNDt177<-ES(datDJZIretOUTSAt177$rev.DJZIretOUTSAt177, p=0.975, method="gaussian")	DJZIESHIt177	DJZIESMDt177	DJZIESNDt177
DJZIESMDt178<-ES(datDJZIretOUTSAt178$rev.DJZIretOUTSAt178, p=0.975, method="modified")	DJZIESNDt178<-ES(datDJZIretOUTSAt178$rev.DJZIretOUTSAt178, p=0.975, method="gaussian")	DJZIESHIt178	DJZIESMDt178	DJZIESNDt178
DJZIESMDt179<-ES(datDJZIretOUTSAt179$rev.DJZIretOUTSAt179, p=0.975, method="modified")	DJZIESNDt179<-ES(datDJZIretOUTSAt179$rev.DJZIretOUTSAt179, p=0.975, method="gaussian")	DJZIESHIt179	DJZIESMDt179	DJZIESNDt179
DJZIESMDt180<-ES(datDJZIretOUTSAt180$rev.DJZIretOUTSAt180, p=0.975, method="modified")	DJZIESNDt180<-ES(datDJZIretOUTSAt180$rev.DJZIretOUTSAt180, p=0.975, method="gaussian")	DJZIESHIt180	DJZIESMDt180	DJZIESNDt180
DJZIESMDt181<-ES(datDJZIretOUTSAt181$rev.DJZIretOUTSAt181, p=0.975, method="modified")	DJZIESNDt181<-ES(datDJZIretOUTSAt181$rev.DJZIretOUTSAt181, p=0.975, method="gaussian")	DJZIESHIt181	DJZIESMDt181	DJZIESNDt181
DJLHESMDt1<-ES(datDJLHretOUTSAt1$rev.DJLHretOUTSAt1, p=0.975, method="modified")	DJLHESNDt1<-ES(datDJLHretOUTSAt1$rev.DJLHretOUTSAt1, p=0.975, method="gaussian")	DJLHESHIt1	DJLHESMDt1	DJLHESNDt1
DJLHESMDt2<-ES(datDJLHretOUTSAt2$rev.DJLHretOUTSAt2, p=0.975, method="modified")	DJLHESNDt2<-ES(datDJLHretOUTSAt2$rev.DJLHretOUTSAt2, p=0.975, method="gaussian")	DJLHESHIt2	DJLHESMDt2	DJLHESNDt2
DJLHESMDt3<-ES(datDJLHretOUTSAt3$rev.DJLHretOUTSAt3, p=0.975, method="modified")	DJLHESNDt3<-ES(datDJLHretOUTSAt3$rev.DJLHretOUTSAt3, p=0.975, method="gaussian")	DJLHESHIt3	DJLHESMDt3	DJLHESNDt3

DJLHESMOt70<-ES(datDJLHretOUTSAt70$rev.DJLHretOUTSAt70, p=0.975, method="modified")	DJLHESNOt70<-ES(datDJLHretOUTSAt70$rev.DJLHretOUTSAt70, p=0.975, method="gaussian")	DJLHESHIt70	DJLHESMOt70	DJLHESNOt70
DJLHESMOt71<-ES(datDJLHretOUTSAt71$rev.DJLHretOUTSAt71, p=0.975, method="modified")	DJLHESNOt71<-ES(datDJLHretOUTSAt71$rev.DJLHretOUTSAt71, p=0.975, method="gaussian")	DJLHESHIt71	DJLHESMOt71	DJLHESNOt71
DJLHESMOt72<-ES(datDJLHretOUTSAt72$rev.DJLHretOUTSAt72, p=0.975, method="modified")	DJLHESNOt72<-ES(datDJLHretOUTSAt72$rev.DJLHretOUTSAt72, p=0.975, method="gaussian")	DJLHESHIt72	DJLHESMOt72	DJLHESNOt72

DJNGESMOt16<-ES(datDJNGretOUTSAt16$rev.DJNGretOUTSAt16, p=0.975, method="modified")	DJNGESNOt16<-ES(datDJNGretOUTSAt16$rev.DJNGretOUTSAt16, p=0.975, method="gaussian")	DJNGESHIt16	DJNGESMOt16	DJNGESNOt16
DJNGESMOt17<-ES(datDJNGretOUTSAt17$rev.DJNGretOUTSAt17, p=0.975, method="modified")	DJNGESNOt17<-ES(datDJNGretOUTSAt17$rev.DJNGretOUTSAt17, p=0.975, method="gaussian")	DJNGESHIt17	DJNGESMOt17	DJNGESNOt17
DJNGESMOt18<-ES(datDJNGretOUTSAt18$rev.DJNGretOUTSAt18, p=0.975, method="modified")	DJNGESNOt18<-ES(datDJNGretOUTSAt18$rev.DJNGretOUTSAt18, p=0.975, method="gaussian")	DJNGESHIt18	DJNGESMOt18	DJNGESNOt18

DJNGESMOt145<-ES(datDJNgretOUTSAt145$rev.DJNGretOUTSAt145, p=0.975, method="modified")	DJNGESNOt145<-ES(datDJNgretOUTSAt145$rev.DJNGretOUTSAt145, p=0.975, method="gaussian")	DJNGESHIt145	DJNGESMOt145	DJNGESNOt145
DJNGESMOt146<-ES(datDJNgretOUTSAt146$rev.DJNGretOUTSAt146, p=0.975, method="modified")	DJNGESNOt146<-ES(datDJNgretOUTSAt146$rev.DJNGretOUTSAt146, p=0.975, method="gaussian")	DJNGESHIt146	DJNGESMOt146	DJNGESNOt146
DJNGESMOt147<-ES(datDJNgretOUTSAt147$rev.DJNGretOUTSAt147, p=0.975, method="modified")	DJNGESNOt147<-ES(datDJNgretOUTSAt147$rev.DJNGretOUTSAt147, p=0.975, method="gaussian")	DJNGESHIt147	DJNGESMOt147	DJNGESNOt147
DJNGESMOt148<-ES(datDJNgretOUTSAt148$rev.DJNGretOUTSAt148, p=0.975, method="modified")	DJNGESNOt148<-ES(datDJNgretOUTSAt148$rev.DJNGretOUTSAt148, p=0.975, method="gaussian")	DJNGESHIt148	DJNGESMOt148	DJNGESNOt148
DJNGESMOt149<-ES(datDJNgretOUTSAt149$rev.DJNGretOUTSAt149, p=0.975, method="modified")	DJNGESNOt149<-ES(datDJNgretOUTSAt149$rev.DJNGretOUTSAt149, p=0.975, method="gaussian")	DJNGESHIt149	DJNGESMOt149	DJNGESNOt149
DJNGESMOt150<-ES(datDJNgretOUTSAt150$rev.DJNGretOUTSAt150, p=0.975, method="modified")	DJNGESNOt150<-ES(datDJNgretOUTSAt150$rev.DJNGretOUTSAt150, p=0.975, method="gaussian")	DJNGESHIt150	DJNGESMOt150	DJNGESNOt150
DJNGESMOt151<-ES(datDJNgretOUTSAt151$rev.DJNGretOUTSAt151, p=0.975, method="modified")	DJNGESNOt151<-ES(datDJNgretOUTSAt151$rev.DJNGretOUTSAt151, p=0.975, method="gaussian")	DJNGESHIt151	DJNGESMOt151	DJNGESNOt151
DJNGESMOt152<-ES(datDJNgretOUTSAt152$rev.DJNGretOUTSAt152, p=0.975, method="modified")	DJNGESNOt152<-ES(datDJNgretOUTSAt152$rev.DJNGretOUTSAt152, p=0.975, method="gaussian")	DJNGESHIt152	DJNGESMOt152	DJNGESNOt152
DJNGESMOt153<-ES(datDJNgretOUTSAt153$rev.DJNGretOUTSAt153, p=0.975, method="modified")	DJNGESNOt153<-ES(datDJNgretOUTSAt153$rev.DJNGretOUTSAt153, p=0.975, method="gaussian")	DJNGESHIt153	DJNGESMOt153	DJNGESNOt153
DJNGESMOt154<-ES(datDJNgretOUTSAt154$rev.DJNGretOUTSAt154, p=0.975, method="modified")	DJNGESNOt154<-ES(datDJNgretOUTSAt154$rev.DJNGretOUTSAt154, p=0.975, method="gaussian")	DJNGESHIt154	DJNGESMOt154	DJNGESNOt154
DJNGESMOt155<-ES(datDJNgretOUTSAt155$rev.DJNGretOUTSAt155, p=0.975, method="modified")	DJNGESNOt155<-ES(datDJNgretOUTSAt155$rev.DJNGretOUTSAt155, p=0.975, method="gaussian")	DJNGESHIt155	DJNGESMOt155	DJNGESNOt155
DJNGESMOt156<-ES(datDJNgretOUTSAt156$rev.DJNGretOUTSAt156, p=0.975, method="modified")	DJNGESNOt156<-ES(datDJNgretOUTSAt156$rev.DJNGretOUTSAt156, p=0.975, method="gaussian")	DJNGESHIt156	DJNGESMOt156	DJNGESNOt156
DJNGESMOt157<-ES(datDJNgretOUTSAt157$rev.DJNGretOUTSAt157, p=0.975, method="modified")	DJNGESNOt157<-ES(datDJNgretOUTSAt157$rev.DJNGretOUTSAt157, p=0.975, method="gaussian")	DJNGESHIt157	DJNGESMOt157	DJNGESNOt157
DJNGESMOt158<-ES(datDJNgretOUTSAt158$rev.DJNGretOUTSAt158, p=0.975, method="modified")	DJNGESNOt158<-ES(datDJNgretOUTSAt158$rev.DJNGretOUTSAt158, p=0.975, method="gaussian")	DJNGESHIt158	DJNGESMOt158	DJNGESNOt158
DJNGESMOt159<-ES(datDJNgretOUTSAt159$rev.DJNGretOUTSAt159, p=0.975, method="modified")	DJNGESNOt159<-ES(datDJNgretOUTSAt159$rev.DJNGretOUTSAt159, p=0.975, method="gaussian")	DJNGESHIt159	DJNGESMOt159	DJNGESNOt159
DJNGESMOt160<-ES(datDJNgretOUTSAt160$rev.DJNGretOUTSAt160, p=0.975, method="modified")	DJNGESNOt160<-ES(datDJNgretOUTSAt160$rev.DJNGretOUTSAt160, p=0.975, method="gaussian")	DJNGESHIt160	DJNGESMOt160	DJNGESNOt160
DJNGESMOt161<-ES(datDJNgretOUTSAt161$rev.DJNGretOUTSAt161, p=0.975, method="modified")	DJNGESNOt161<-ES(datDJNgretOUTSAt161$rev.DJNGretOUTSAt161, p=0.975, method="gaussian")	DJNGESHIt161	DJNGESMOt161	DJNGESNOt161
DJNGESMOt162<-ES(datDJNgretOUTSAt162$rev.DJNGretOUTSAt162, p=0.975, method="modified")	DJNGESNOt162<-ES(datDJNgretOUTSAt162$rev.DJNGretOUTSAt162, p=0.975, method="gaussian")	DJNGESHIt162	DJNGESMOt162	DJNGESNOt162
DJNGESMOt163<-ES(datDJNgretOUTSAt163$rev.DJNGretOUTSAt163, p=0.975, method="modified")	DJNGESNOt163<-ES(datDJNgretOUTSAt163$rev.DJNGretOUTSAt163, p=0.975, method="gaussian")	DJNGESHIt163	DJNGESMOt163	DJNGESNOt163
DJNGESMOt164<-ES(datDJNgretOUTSAt164$rev.DJNGretOUTSAt164, p=0.975, method="modified")	DJNGESNOt164<-ES(datDJNgretOUTSAt164$rev.DJNGretOUTSAt164, p=0.975, method="gaussian")	DJNGESHIt164	DJNGESMOt164	DJNGESNOt164
DJNGESMOt165<-ES(datDJNgretOUTSAt165$rev.DJNGretOUTSAt165, p=0.975, method="modified")	DJNGESNOt165<-ES(datDJNgretOUTSAt165$rev.DJNGretOUTSAt165, p=0.975, method="gaussian")	DJNGESHIt165	DJNGESMOt165	DJNGESNOt165
DJNGESMOt166<-ES(datDJNgretOUTSAt166$rev.DJNGretOUTSAt166, p=0.975, method="modified")	DJNGESNOt166<-ES(datDJNgretOUTSAt166$rev.DJNGretOUTSAt166, p=0.975, method="gaussian")	DJNGESHIt166	DJNGESMOt166	DJNGESNOt166
DJNGESMOt167<-ES(datDJNgretOUTSAt167$rev.DJNGretOUTSAt167, p=0.975, method="modified")	DJNGESNOt167<-ES(datDJNgretOUTSAt167$rev.DJNGretOUTSAt167, p=0.975, method="gaussian")	DJNGESHIt167	DJNGESMOt167	DJNGESNOt167
DJNGESMOt168<-ES(datDJNgretOUTSAt168$rev.DJNGretOUTSAt168, p=0.975, method="modified")	DJNGESNOt168<-ES(datDJNgretOUTSAt168$rev.DJNGretOUTSAt168, p=0.975, method="gaussian")	DJNGESHIt168	DJNGESMOt168	DJNGESNOt168
DJNGESMOt169<-ES(datDJNgretOUTSAt169$rev.DJNGretOUTSAt169, p=0.975, method="modified")	DJNGESNOt169<-ES(datDJNgretOUTSAt169$rev.DJNGretOUTSAt169, p=0.975, method="gaussian")	DJNGESHIt169	DJNGESMOt169	DJNGESNOt169
DJNGESMOt170<-ES(datDJNgretOUTSAt170$rev.DJNGretOUTSAt170, p=0.975, method="modified")	DJNGESNOt170<-ES(datDJNgretOUTSAt170$rev.DJNGretOUTSAt170, p=0.975, method="gaussian")	DJNGESHIt170	DJNGESMOt170	DJNGESNOt170
DJNGESMOt171<-ES(datDJNgretOUTSAt171$rev.DJNGretOUTSAt171, p=0.975, method="modified")	DJNGESNOt171<-ES(datDJNgretOUTSAt171$rev.DJNGretOUTSAt171, p=0.975, method="gaussian")	DJNGESHIt171	DJNGESMOt171	DJNGESNOt171
DJNGESMOt172<-ES(datDJNgretOUTSAt172$rev.DJNGretOUTSAt172, p=0.975, method="modified")	DJNGESNOt172<-ES(datDJNgretOUTSAt172$rev.DJNGretOUTSAt172, p=0.975, method="gaussian")	DJNGESHIt172	DJNGESMOt172	DJNGESNOt172
DJNGESMOt173<-ES(datDJNgretOUTSAt173$rev.DJNGretOUTSAt173, p=0.975, method="modified")	DJNGESNOt173<-ES(datDJNgretOUTSAt173$rev.DJNGretOUTSAt173, p=0.975, method="gaussian")	DJNGESHIt173	DJNGESMOt173	DJNGESNOt173
DJNGESMOt174<-ES(datDJNgretOUTSAt174$rev.DJNGretOUTSAt174, p=0.975, method="modified")	DJNGESNOt174<-ES(datDJNgretOUTSAt174$rev.DJNGretOUTSAt174, p=0.975, method="gaussian")	DJNGESHIt174	DJNGESMOt174	DJNGESNOt174
DJNGESMOt175<-ES(datDJNgretOUTSAt175$rev.DJNGretOUTSAt175, p=0.975, method="modified")	DJNGESNOt175<-ES(datDJNgretOUTSAt175$rev.DJNGretOUTSAt175, p=0.975, method="gaussian")	DJNGESHIt175	DJNGESMOt175	DJNGESNOt175
DJNGESMOt176<-ES(datDJNgretOUTSAt176$rev.DJNGretOUTSAt176, p=0.975, method="modified")	DJNGESNOt176<-ES(datDJNgretOUTSAt176$rev.DJNGretOUTSAt176, p=0.975, method="gaussian")	DJNGESHIt176	DJNGESMOt176	DJNGESNOt176
DJNGESMOt177<-ES(datDJNgretOUTSAt177$rev.DJNGretOUTSAt177, p=0.975, method="modified")	DJNGESNOt177<-ES(datDJNgretOUTSAt177$rev.DJNGretOUTSAt177, p=0.975, method="gaussian")	DJNGESHIt177	DJNGESMOt177	DJNGESNOt177
DJNGESMOt178<-ES(datDJNgretOUTSAt178$rev.DJNGretOUTSAt178, p=0.975, method="modified")	DJNGESNOt178<-ES(datDJNgretOUTSAt178$rev.DJNGretOUTSAt178, p=0.975, method="gaussian")	DJNGESHIt178	DJNGESMOt178	DJNGESNOt178
DJNGESMOt179<-ES(datDJNgretOUTSAt179$rev.DJNGretOUTSAt179, p=0.975, method="modified")	DJNGESNOt179<-ES(datDJNgretOUTSAt179$rev.DJNGretOUTSAt179, p=0.975, method="gaussian")	DJNGESHIt179	DJNGESMOt179	DJNGESNOt179
DJNGESMOt180<-ES(datDJNgretOUTSAt180$rev.DJNGretOUTSAt180, p=0.975, method="modified")	DJNGESNOt180<-ES(datDJNgretOUTSAt180$rev.DJNGretOUTSAt180, p=0.975, method="gaussian")	DJNGESHIt180	DJNGESMOt180	DJNGESNOt180
DJNGESMOt181<-ES(datDJNgretOUTSAt181$rev.DJNGretOUTSAt181, p=0.975, method="modified")	DJNGESNOt181<-ES(datDJNgretOUTSAt181$rev.DJNGretOUTSAt181, p=0.975, method="gaussian")	DJNGESHIt181	DJNGESMOt181	DJNGESNOt181
DJPEESMOt1<-ES(datDJPEretOUTSAt1$rev.DJPEretOUTSAt1, p=0.975, method="modified")	DJPEESNOt1<-ES(datDJPEretOUTSAt1$rev.DJPEretOUTSAt1, p=0.975, method="gaussian")	DJPEESHIt1	DJPEESMOt1	DJPEESNOt1
DJPEESMOt2<-ES(datDJPEretOUTSAt2$rev.DJPEretOUTSAt2, p=0.975, method="modified")	DJPEESNOt2<-ES(datDJPEretOUTSAt2$rev.DJPEretOUTSAt2, p=0.975, method="gaussian")	DJPEESHIt2	DJPEESMOt2	DJPEESNOt2
DJPEESMOt3<-ES(datDJPEretOUTSAt3$rev.DJPEretOUTSAt3, p=0.975, method="modified")	DJPEESNOt3<-ES(datDJPEretOUTSAt3$rev.DJPEretOUTSAt3, p=0.975, method="gaussian")	DJPEESHIt3	DJPEESMOt3	DJPEESNOt3

DJPEESMOt91<-ES(datDJPEretOUTSAt91$rev.DJPEretOUTSAt91, p=0.975, method="modified")	DJPEESNOt91<-ES(datDJPEretOUTSAt91$rev.DJPEretOUTSAt91, p=0.975, method="gaussian")	DJPEESHIt91	DJPEESMDt91	DJPEESNDt91
DJPEESMOt92<-ES(datDJPEretOUTSAt92$rev.DJPEretOUTSAt92, p=0.975, method="modified")	DJPEESNOt92<-ES(datDJPEretOUTSAt92$rev.DJPEretOUTSAt92, p=0.975, method="gaussian")	DJPEESHIt92	DJPEESMDt92	DJPEESNDt92
DJPEESMOt93<-ES(datDJPEretOUTSAt93$rev.DJPEretOUTSAt93, p=0.975, method="modified")	DJPEESNOt93<-ES(datDJPEretOUTSAt93$rev.DJPEretOUTSAt93, p=0.975, method="gaussian")	DJPEESHIt93	DJPEESMDt93	DJPEESNDt93
DJPEESMOt94<-ES(datDJPEretOUTSAt94$rev.DJPEretOUTSAt94, p=0.975, method="modified")	DJPEESNOt94<-ES(datDJPEretOUTSAt94$rev.DJPEretOUTSAt94, p=0.975, method="gaussian")	DJPEESHIt94	DJPEESMDt94	DJPEESNDt94
DJPEESMOt95<-ES(datDJPEretOUTSAt95$rev.DJPEretOUTSAt95, p=0.975, method="modified")	DJPEESNOt95<-ES(datDJPEretOUTSAt95$rev.DJPEretOUTSAt95, p=0.975, method="gaussian")	DJPEESHIt95	DJPEESMDt95	DJPEESNDt95
DJPEESMOt96<-ES(datDJPEretOUTSAt96$rev.DJPEretOUTSAt96, p=0.975, method="modified")	DJPEESNOt96<-ES(datDJPEretOUTSAt96$rev.DJPEretOUTSAt96, p=0.975, method="gaussian")	DJPEESHIt96	DJPEESMDt96	DJPEESNDt96
DJPEESMOt97<-ES(datDJPEretOUTSAt97$rev.DJPEretOUTSAt97, p=0.975, method="modified")	DJPEESNOt97<-ES(datDJPEretOUTSAt97$rev.DJPEretOUTSAt97, p=0.975, method="gaussian")	DJPEESHIt97	DJPEESMDt97	DJPEESNDt97
DJPEESMOt98<-ES(datDJPEretOUTSAt98$rev.DJPEretOUTSAt98, p=0.975, method="modified")	DJPEESNOt98<-ES(datDJPEretOUTSAt98$rev.DJPEretOUTSAt98, p=0.975, method="gaussian")	DJPEESHIt98	DJPEESMDt98	DJPEESNDt98
DJPEESMOt99<-ES(datDJPEretOUTSAt99$rev.DJPEretOUTSAt99, p=0.975, method="modified")	DJPEESNOt99<-ES(datDJPEretOUTSAt99$rev.DJPEretOUTSAt99, p=0.975, method="gaussian")	DJPEESHIt99	DJPEESMDt99	DJPEESNDt99
DJPEESMOt100<-ES(datDJPEretOUTSAt100$rev.DJPEretOUTSAt100, p=0.975, method="modified")	DJPEESNOt100<-ES(datDJPEretOUTSAt100$rev.DJPEretOUTSAt100, p=0.975, method="gaussian")	DJPEESHIt100	DJPEESMDt100	DJPEESNDt100
DJPEESMOt101<-ES(datDJPEretOUTSAt101$rev.DJPEretOUTSAt101, p=0.975, method="modified")	DJPEESNOt101<-ES(datDJPEretOUTSAt101$rev.DJPEretOUTSAt101, p=0.975, method="gaussian")	DJPEESHIt101	DJPEESMDt101	DJPEESNDt101
DJPEESMOt102<-ES(datDJPEretOUTSAt102$rev.DJPEretOUTSAt102, p=0.975, method="modified")	DJPEESNOt102<-ES(datDJPEretOUTSAt102$rev.DJPEretOUTSAt102, p=0.975, method="gaussian")	DJPEESHIt102	DJPEESMDt102	DJPEESNDt102
DJPEESMOt103<-ES(datDJPEretOUTSAt103$rev.DJPEretOUTSAt103, p=0.975, method="modified")	DJPEESNOt103<-ES(datDJPEretOUTSAt103$rev.DJPEretOUTSAt103, p=0.975, method="gaussian")	DJPEESHIt103	DJPEESMDt103	DJPEESNDt103
DJPEESMOt104<-ES(datDJPEretOUTSAt104$rev.DJPEretOUTSAt104, p=0.975, method="modified")	DJPEESNOt104<-ES(datDJPEretOUTSAt104$rev.DJPEretOUTSAt104, p=0.975, method="gaussian")	DJPEESHIt104	DJPEESMDt104	DJPEESNDt104
DJPEESMOt105<-ES(datDJPEretOUTSAt105$rev.DJPEretOUTSAt105, p=0.975, method="modified")	DJPEESNOt105<-ES(datDJPEretOUTSAt105$rev.DJPEretOUTSAt105, p=0.975, method="gaussian")	DJPEESHIt105	DJPEESMDt105	DJPEESNDt105
DJPEESMOt106<-ES(datDJPEretOUTSAt106$rev.DJPEretOUTSAt106, p=0.975, method="modified")	DJPEESNOt106<-ES(datDJPEretOUTSAt106$rev.DJPEretOUTSAt106, p=0.975, method="gaussian")	DJPEESHIt106	DJPEESMDt106	DJPEESNDt106
DJPEESMOt107<-ES(datDJPEretOUTSAt107$rev.DJPEretOUTSAt107, p=0.975, method="modified")	DJPEESNOt107<-ES(datDJPEretOUTSAt107$rev.DJPEretOUTSAt107, p=0.975, method="gaussian")	DJPEESHIt107	DJPEESMDt107	DJPEESNDt107
DJPEESMOt108<-ES(datDJPEretOUTSAt108$rev.DJPEretOUTSAt108, p=0.975, method="modified")	DJPEESNOt108<-ES(datDJPEretOUTSAt108$rev.DJPEretOUTSAt108, p=0.975, method="gaussian")	DJPEESHIt108	DJPEESMDt108	DJPEESNDt108
DJPEESMOt109<-ES(datDJPEretOUTSAt109$rev.DJPEretOUTSAt109, p=0.975, method="modified")	DJPEESNOt109<-ES(datDJPEretOUTSAt109$rev.DJPEretOUTSAt109, p=0.975, method="gaussian")	DJPEESHIt109	DJPEESMDt109	DJPEESNDt109
DJPEESMOt110<-ES(datDJPEretOUTSAt110$rev.DJPEretOUTSAt110, p=0.975, method="modified")	DJPEESNOt110<-ES(datDJPEretOUTSAt110$rev.DJPEretOUTSAt110, p=0.975, method="gaussian")	DJPEESHIt110	DJPEESMDt110	DJPEESNDt110
DJPEESMOt111<-ES(datDJPEretOUTSAt111$rev.DJPEretOUTSAt111, p=0.975, method="modified")	DJPEESNOt111<-ES(datDJPEretOUTSAt111$rev.DJPEretOUTSAt111, p=0.975, method="gaussian")	DJPEESHIt111	DJPEESMDt111	DJPEESNDt111
DJPEESMOt112<-ES(datDJPEretOUTSAt112$rev.DJPEretOUTSAt112, p=0.975, method="modified")	DJPEESNOt112<-ES(datDJPEretOUTSAt112$rev.DJPEretOUTSAt112, p=0.975, method="gaussian")	DJPEESHIt112	DJPEESMDt112	DJPEESNDt112
DJPEESMOt113<-ES(datDJPEretOUTSAt113$rev.DJPEretOUTSAt113, p=0.975, method="modified")	DJPEESNOt113<-ES(datDJPEretOUTSAt113$rev.DJPEretOUTSAt113, p=0.975, method="gaussian")	DJPEESHIt113	DJPEESMDt113	DJPEESNDt113
DJPEESMOt114<-ES(datDJPEretOUTSAt114$rev.DJPEretOUTSAt114, p=0.975, method="modified")	DJPEESNOt114<-ES(datDJPEretOUTSAt114$rev.DJPEretOUTSAt114, p=0.975, method="gaussian")	DJPEESHIt114	DJPEESMDt114	DJPEESNDt114
DJPEESMOt115<-ES(datDJPEretOUTSAt115$rev.DJPEretOUTSAt115, p=0.975, method="modified")	DJPEESNOt115<-ES(datDJPEretOUTSAt115$rev.DJPEretOUTSAt115, p=0.975, method="gaussian")	DJPEESHIt115	DJPEESMDt115	DJPEESNDt115
DJPEESMOt116<-ES(datDJPEretOUTSAt116$rev.DJPEretOUTSAt116, p=0.975, method="modified")	DJPEESNOt116<-ES(datDJPEretOUTSAt116$rev.DJPEretOUTSAt116, p=0.975, method="gaussian")	DJPEESHIt116	DJPEESMDt116	DJPEESNDt116
DJPEESMOt117<-ES(datDJPEretOUTSAt117$rev.DJPEretOUTSAt117, p=0.975, method="modified")	DJPEESNOt117<-ES(datDJPEretOUTSAt117$rev.DJPEretOUTSAt117, p=0.975, method="gaussian")	DJPEESHIt117	DJPEESMDt117	DJPEESNDt117
DJPEESMOt118<-ES(datDJPEretOUTSAt118$rev.DJPEretOUTSAt118, p=0.975, method="modified")	DJPEESNOt118<-ES(datDJPEretOUTSAt118$rev.DJPEretOUTSAt118, p=0.975, method="gaussian")	DJPEESHIt118	DJPEESMDt118	DJPEESNDt118
DJPEESMOt119<-ES(datDJPEretOUTSAt119$rev.DJPEretOUTSAt119, p=0.975, method="modified")	DJPEESNOt119<-ES(datDJPEretOUTSAt119$rev.DJPEretOUTSAt119, p=0.975, method="gaussian")	DJPEESHIt119	DJPEESMDt119	DJPEESNDt119
DJPEESMOt120<-ES(datDJPEretOUTSAt120$rev.DJPEretOUTSAt120, p=0.975, method="modified")	DJPEESNOt120<-ES(datDJPEretOUTSAt120$rev.DJPEretOUTSAt120, p=0.975, method="gaussian")	DJPEESHIt120	DJPEESMDt120	DJPEESNDt120
DJPEESMOt121<-ES(datDJPEretOUTSAt121$rev.DJPEretOUTSAt121, p=0.975, method="modified")	DJPEESNOt121<-ES(datDJPEretOUTSAt121$rev.DJPEretOUTSAt121, p=0.975, method="gaussian")	DJPEESHIt121	DJPEESMDt121	DJPEESNDt121
DJPEESMOt122<-ES(datDJPEretOUTSAt122$rev.DJPEretOUTSAt122, p=0.975, method="modified")	DJPEESNOt122<-ES(datDJPEretOUTSAt122$rev.DJPEretOUTSAt122, p=0.975, method="gaussian")	DJPEESHIt122	DJPEESMDt122	DJPEESNDt122
DJPEESMOt123<-ES(datDJPEretOUTSAt123$rev.DJPEretOUTSAt123, p=0.975, method="modified")	DJPEESNOt123<-ES(datDJPEretOUTSAt123$rev.DJPEretOUTSAt123, p=0.975, method="gaussian")	DJPEESHIt123	DJPEESMDt123	DJPEESNDt123
DJPEESMOt124<-ES(datDJPEretOUTSAt124$rev.DJPEretOUTSAt124, p=0.975, method="modified")	DJPEESNOt124<-ES(datDJPEretOUTSAt124$rev.DJPEretOUTSAt124, p=0.975, method="gaussian")	DJPEESHIt124	DJPEESMDt124	DJPEESNDt124
DJPEESMOt125<-ES(datDJPEretOUTSAt125$rev.DJPEretOUTSAt125, p=0.975, method="modified")	DJPEESNOt125<-ES(datDJPEretOUTSAt125$rev.DJPEretOUTSAt125, p=0.975, method="gaussian")	DJPEESHIt125	DJPEESMDt125	DJPEESNDt125
DJPEESMOt126<-ES(datDJPEretOUTSAt126$rev.DJPEretOUTSAt126, p=0.975, method="modified")	DJPEESNOt126<-ES(datDJPEretOUTSAt126$rev.DJPEretOUTSAt126, p=0.975, method="gaussian")	DJPEESHIt126	DJPEESMDt126	DJPEESNDt126
DJPEESMOt127<-ES(datDJPEretOUTSAt127$rev.DJPEretOUTSAt127, p=0.975, method="modified")	DJPEESNOt127<-ES(datDJPEretOUTSAt127$rev.DJPEretOUTSAt127, p=0.975, method="gaussian")	DJPEESHIt127	DJPEESMDt127	DJPEESNDt127
DJPEESMOt128<-ES(datDJPEretOUTSAt128$rev.DJPEretOUTSAt128, p=0.975, method="modified")	DJPEESNOt128<-ES(datDJPEretOUTSAt128$rev.DJPEretOUTSAt128, p=0.975, method="gaussian")	DJPEESHIt128	DJPEESMDt128	DJPEESNDt128
DJPEESMOt129<-ES(datDJPEretOUTSAt129$rev.DJPEretOUTSAt129, p=0.975, method="modified")	DJPEESNOt129<-ES(datDJPEretOUTSAt129$rev.DJPEretOUTSAt129, p=0.975, method="gaussian")	DJPEESHIt129	DJPEESMDt129	DJPEESNDt129
DJPEESMOt130<-ES(datDJPEretOUTSAt130$rev.DJPEretOUTSAt130, p=0.975, method="modified")	DJPEESNOt130<-ES(datDJPEretOUTSAt130$rev.DJPEretOUTSAt130, p=0.975, method="gaussian")	DJPEESHIt130	DJPEESMDt130	DJPEESNDt130
DJPEESMOt131<-ES(datDJPEretOUTSAt131$rev.DJPEretOUTSAt131, p=0.975, method="modified")	DJPEESNOt131<-ES(datDJPEretOUTSAt131$rev.DJPEretOUTSAt131, p=0.975, method="gaussian")	DJPEESHIt131	DJPEESMDt131	DJPEESNDt131
DJPEESMOt132<-ES(datDJPEretOUTSAt132$rev.DJPEretOUTSAt132, p=0.975, method="modified")	DJPEESNOt132<-ES(datDJPEretOUTSAt132$rev.DJPEretOUTSAt132, p=0.975, method="gaussian")	DJPEESHIt132	DJPEESMDt132	DJPEESNDt132
DJPEESMOt133<-ES(datDJPEretOUTSAt133$rev.DJPEretOUTSAt133, p=0.975, method="modified")	DJPEESNOt133<-ES(datDJPEretOUTSAt133$rev.DJPEretOUTSAt133, p=0.975, method="gaussian")	DJPEESHIt133	DJPEESMDt133	DJPEESNDt133
DJPEESMOt134<-ES(datDJPEretOUTSAt134$rev.DJPEretOUTSAt134, p=0.975, method="modified")	DJPEESNOt134<-ES(datDJPEretOUTSAt134$rev.DJPEretOUTSAt134, p=0.975, method="gaussian")	DJPEESHIt134	DJPEESMDt134	DJPEESNDt134
DJPEESMOt135<-ES(datDJPEretOUTSAt135$rev.DJPEretOUTSAt135, p=0.975, method="modified")	DJPEESNOt135<-ES(datDJPEretOUTSAt135$rev.DJPEretOUTSAt135, p=0.975, method="gaussian")	DJPEESHIt135	DJPEESMDt135	DJPEESNDt135
DJPEESMOt136<-ES(datDJPEretOUTSAt136$rev.DJPEretOUTSAt136, p=0.975, method="modified")	DJPEESNOt136<-ES(datDJPEretOUTSAt136$rev.DJPEretOUTSAt136, p=0.975, method="gaussian")	DJPEESHIt136	DJPEESMDt136	DJPEESNDt136
DJPEESMOt137<-ES(datDJPEretOUTSAt137$rev.DJPEretOUTSAt137, p=0.975, method="modified")	DJPEESNOt137<-ES(datDJPEretOUTSAt137$rev.DJPEretOUTSAt137, p=0.975, method="gaussian")	DJPEESHIt137	DJPEESMDt137	DJPEESNDt137
DJPEESMOt138<-ES(datDJPEretOUTSAt138$rev.DJPEretOUTSAt138, p=0.975, method="modified")	DJPEESNOt138<-ES(datDJPEretOUTSAt138$rev.DJPEretOUTSAt138, p=0.975, method="gaussian")	DJPEESHIt138	DJPEESMDt138	DJPEESNDt138
DJPEESMOt139<-ES(datDJPEretOUTSAt139$rev.DJPEretOUTSAt139, p=0.975, method="modified")	DJPEESNOt139<-ES(datDJPEretOUTSAt139$rev.DJPEretOUTSAt139, p=0.975, method="gaussian")	DJPEESHIt139	DJPEESMDt139	DJPEESNDt139
DJPEESMOt140<-ES(datDJPEretOUTSAt140$rev.DJPEretOUTSAt140, p=0.975, method="modified")	DJPEESNOt140<-ES(datDJPEretOUTSAt140$rev.DJPEretOUTSAt140, p=0.975, method="gaussian")	DJPEESHIt140	DJPEESMDt140	DJPEESNDt140
DJPEESMOt141<-ES(datDJPEretOUTSAt141$rev.DJPEretOUTSAt141, p=0.975, method="modified")	DJPEESNOt141<-ES(datDJPEretOUTSAt141$rev.DJPEretOUTSAt141, p=0.975, method="gaussian")	DJPEESHIt141	DJPEESMDt141	DJPEESNDt141
DJPEESMOt142<-ES(datDJPEretOUTSAt142$rev.DJPEretOUTSAt142, p=0.975, method="modified")	DJPEESNOt142<-ES(datDJPEretOUTSAt142$rev.DJPEretOUTSAt142, p=0.975, method="gaussian")	DJPEESHIt142	DJPEESMDt142	DJPEESNDt142
DJPEESMOt143<-ES(datDJPEretOUTSAt143$rev.DJPEretOUTSAt143, p=0.975, method="modified")	DJPEESNOt143<-ES(datDJPEretOUTSAt143$rev.DJPEretOUTSAt143, p=0.975, method="gaussian")	DJPEESHIt143	DJPEESMDt143	DJPEESNDt143
DJPEESMOt144<-ES(datDJPEretOUTSAt144$rev.DJPEretOUTSAt144, p=0.975, method="modified")	DJPEESNOt144<-ES(datDJPEretOUTSAt144$rev.DJPEretOUTSAt144, p=0.975, method="gaussian")	DJPEESHIt144	DJPEESMDt144	DJPEESNDt144
DJPEESMOt145<-ES(datDJPEretOUTSAt145$rev.DJPEretOUTSAt145, p=0.975, method="modified")	DJPEESNOt145<-ES(datDJPEretOUTSAt145$rev.DJPEretOUTSAt145, p=0.975, method="gaussian")	DJPEESHIt145	DJPEESMDt145	DJPEESNDt145
DJPEESMOt146<-ES(datDJPEretOUTSAt146$rev.DJPEretOUTSAt146, p=0.975, method="modified")	DJPEESNOt146<-ES(datDJPEretOUTSAt146$rev.DJPEretOUTSAt146, p=0.975, method="gaussian")	DJPEESHIt146	DJPEESMDt146	DJPEESNDt146
DJPEESMOt147<-ES(datDJPEretOUTSAt147$rev.DJPEretOUTSAt147, p=0.975, method="modified")	DJPEESNOt147<-ES(datDJPEretOUTSAt147$rev.DJPEretOUTSAt147, p=0.975, method="gaussian")	DJPEESHIt147	DJPEESMDt147	DJPEESNDt147
DJPEESMOt148<-ES(datDJPEretOUTSAt148$rev.DJPEretOUTSAt148, p=0.975, method="modified")	DJPEESNOt148<-ES(datDJPEretOUTSAt148$rev.DJPEretOUTSAt148, p=0.975, method="gaussian")	DJPEESHIt148	DJPEESMDt148	DJPEESNDt148
DJPEESMOt149<-ES(datDJPEretOUTSAt149$rev.DJPEretOUTSAt149, p=0.975, method="modified")	DJPEESNOt149<-ES(datDJPEretOUTSAt149$rev.DJPEretOUTSAt149, p=0.975, method="gaussian")	DJPEESHIt149	DJPEESMDt149	DJPEESNDt149
DJPEESMOt150<-ES(datDJPEretOUTSAt150$rev.DJPEretOUTSAt150, p=0.975, method="modified")	DJPEESNOt150<-ES(datDJPEretOUTSAt150$rev.DJPEretOUTSAt150, p=0.975, method="gaussian")	DJPEESHIt150	DJPEESMDt150	DJPEESNDt150
DJPEESMOt151<-ES(datDJPEretOUTSAt151$rev.DJPEretOUTSAt151, p=0.975, method="modified")	DJPEESNOt151<-ES(datDJPEretOUTSAt151$rev.DJPEretOUTSAt151, p=0.975, method="gaussian")	DJPEESHIt151	DJPEESMDt151	DJPEESNDt151
DJPEESMOt152<-ES(datDJPEretOUTSAt152$rev.DJPEretOUTSAt152, p=0.975, method="modified")	DJPEESNOt152<-ES(datDJPEretOUTSAt152$rev.DJPEretOUTSAt152, p=0.975, method="gaussian")	DJPEESHIt152	DJPEESMDt152	DJPEESNDt152
DJPEESMOt153<-ES(datDJPEretOUTSAt153$rev.DJPEretOUTSAt153, p=0.975, method="modified")	DJPEESNOt153<-ES(datDJPEretOUTSAt153$rev.DJPEretOUTSAt153, p=0.975, method="gaussian")	DJPEESHIt153	DJPEESMDt153	DJPEESNDt153
DJPEESMOt154<-ES(datDJPEretOUTSAt154$rev.DJPEretOUTSAt154, p=0.975, method="modified")	DJPEESNOt154<-ES(datDJPEretOUTSAt154$rev.DJPEretOUTSAt154, p=0.975, method="gaussian")	DJPEESHIt154	DJPEESMDt154	DJPEESNDt154
DJPEESMOt155<-ES(datDJPEretOUTSAt155$rev.DJPEretOUTSAt155, p=0.975, method="modified")	DJPEESNOt155<-ES(datDJPEretOUTSAt155$rev.DJPEretOUTSAt155, p=0.975, method="gaussian")	DJPEESHIt155	DJPEESMDt155	DJPEESNDt155
DJPEESMOt156<-ES(datDJPEretOUTSAt156$rev.DJPEretOUTSAt156, p=0.975, method="modified")	DJPEESNOt156<-ES(datDJPEretOUTSAt156$rev.DJPEretOUTSAt156, p=0.975, method="gaussian")	DJPEESHIt156	DJPEESMDt156	DJPEESNDt156
DJPEESMOt157<-ES(datDJPEretOUTSAt157$rev.DJPEretOUTSAt157, p=0.975, method="modified")	DJPEESNOt157<-ES(datDJPEretOUTSAt157$rev.DJPEretOUTSAt157, p=0.975, method="gaussian")	DJPEESHIt157	DJPEESMDt157	DJPEESNDt157
DJPEESMOt158<-ES(datDJPEretOUTSAt158$rev.DJPEretOUTSAt158, p=0.975, method="modified")	DJPEESNOt158<-ES(datDJPEretOUTSAt158$rev.DJPEretOUTSAt158, p=0.975, method="gaussian")	DJPEESHIt158	DJPEESMDt158	DJPEESNDt158
DJPEESMOt159<-ES(datDJPEretOUTSAt159$rev.DJPEretOUTSAt159, p=0.975, method="modified")	DJPEESNOt159<-ES(datDJPEretOUTSAt159$rev.DJPEretOUTSAt159, p=0.975, method="gaussian")	DJPEESHIt159	DJPEESMDt159	DJPEESNDt159
DJPEESMOt160<-ES(datDJPEretOUTSAt160$rev.DJPEretOUTSAt160, p=0.975, method="modified")	DJPEESNOt160<-ES(datDJPEretOUTSAt160$rev.DJPEretOUTSAt160, p=0.975, method="gaussian")	DJPEESHIt160	DJPEESMDt160	DJPEESNDt160
DJPEESMOt161<-ES(datDJPEretOUTSAt161$rev.DJPEretOUTSAt161, p=0.975, method="modified")	DJPEESNOt161<-ES(datDJPEretOUTSAt161$rev.DJPEretOUTSAt161, p=0.975, method="gaussian")	DJPEESHIt161	DJPEESMDt161	DJPEESNDt161
DJPEESMOt162<-ES(datDJPEretOUTSAt162$rev.DJPEretOUTSAt162, p=0.975, method="modified")	DJPEESNOt162<-ES(datDJPEretOUTSAt162$rev.DJPEretOUTSAt162, p=0.975, method="gaussian")	DJPEESHIt162	DJPEESMDt162	DJPEESNDt162
DJPEESMOt163<-ES(datDJPEretOUTSAt163$rev.DJPEretOUTSAt163, p=0.975, method="modified")	DJPEESNOt163<-ES(datDJPEretOUTSAt163$rev.DJPEretOUTSAt163, p=0.975, method="gaussian")	DJPEESHIt163	DJPEESMDt163	DJPEESNDt163
DJPEESMOt164<-ES(datDJPEretOUTSAt164$rev.DJPEretOUTSAt164, p=0.975, method="modified")	DJPEESNOt164<-ES(datDJPEretOUTSAt164$rev.DJPEretOUTSAt164, p=0.975, method="gaussian")	DJPEESHIt164	DJPEESMDt164	DJPEESNDt164
DJPEESMOt165<-ES(datDJPEretOUTSAt165$rev.DJPEretOUTSAt165, p=0.975, method="modified")	DJPEESNOt165<-ES(datDJPEretOUTSAt165$rev.DJPEretOUTSAt165, p=0.975, method="gaussian")	DJPEESHIt165	DJPEESMDt165	DJPEESNDt165
DJPEESMOt166<-ES(datDJPEretOUTSAt166$rev.DJPEretOUTSAt166, p=0.975, method="modified")	DJPEESNOt166<-ES(datDJPEretOUTSAt166$rev.DJPEretOUTSAt166, p=0.975, method="gaussian")	DJPEESHIt166	DJPEESMDt166	DJPEESNDt166
DJPEESMOt167<-ES(datDJPEretOUTSAt167$rev.DJPEretOUTSAt167, p=0.975, method="modified")	DJPEESNOt167<-ES(datDJPEretOUTSAt167$rev.DJPEretOUTSAt167, p=0.975, method="gaussian")	DJPEESHIt167	DJPEESMDt167	DJPEESNDt167
DJPEESMOt168<-ES(datDJPEretOUTSAt168$rev.DJPEretOUTSAt168, p=0.975, method="modified")	DJPEESNOt168<-ES(datDJPEretOUTSAt168$rev.DJPEretOUTSAt168, p=0.975, method="gaussian")	DJPEESHIt168	DJPEESMDt168	DJPEESNDt168
DJPEESMOt169<-ES(datDJPEretOUTSAt169$rev.DJPEretOUTSAt169, p=0.975, method="modified")	DJPEESNOt169<-ES(datDJPEretOUTSAt169$rev.DJPEretOUTSAt169, p=0.975, method="gaussian")	DJPEESHIt169	DJPEESMDt169	DJPEESNDt169
DJPEESMOt170<-ES(datDJPEretOUTSAt170$rev.DJPEretOUTSAt170, p=0.975, method="modified")	DJPEESNOt170<-ES(datDJPEretOUTSAt170$rev.DJPEretOUTSAt170, p=0.975, method="gaussian")	DJPEESHIt170	DJPEESMDt170	DJPEESNDt170
DJPEESMOt171<-ES(datDJPEretOUTSAt171$rev.DJPEretOUTSAt171, p=0.975, method="modified")	DJPEESNOt171<-ES(datDJPEretOUTSAt171$rev.DJPEretOUTSAt171, p=0.975, method="gaussian")	DJPEESHIt171	DJPEESMDt171	DJPEESNDt171
DJPEESMOt172<-ES(datDJPEretOUTSAt172$rev.DJPEretOUTSAt172, p=0.975, method="modified")	DJPEESNOt172<-ES(datDJPEretOUTSAt172$rev.DJPEretOUTSAt172, p=0.975, method="gaussian")	DJPEESHIt172	DJPEESMDt172	DJPEESNDt172
DJPEESMOt173<-ES(datDJPEretOUTSAt173$rev.DJPEretOUTSAt173, p=0.975, method="modified")	DJPEESNOt173<-ES(datDJPEretOUTSAt173$rev.DJPEretOUTSAt173, p=0.975, method="gaussian")	DJPEESHIt173	DJPEESMDt173	DJPEESNDt173
DJPEESMOt174<-ES(datDJPEretOUTSAt174$rev.DJPEretOUTSAt174, p=0.975, method="modified")	DJPEESNOt174<-ES(datDJPEretOUTSAt174$rev.DJPEretOUTSAt174, p=0.975, method="gaussian")	DJPEESHIt174	DJPEESMDt174	DJPEESNDt174
DJPEESMOt175<-ES(datDJPEretOUTSAt175$rev.DJPEretOUTSAt175, p=0.975, method="modified")	DJPEESNOt175<-ES(datDJPEretOUTSAt175$rev.DJPEretOUTSAt175, p=0.975, method="gaussian")	DJPEESHIt175	DJPEESMDt175	DJPEESNDt175
DJPEESMOt176<-ES(datDJPEretOUTSAt176$rev.DJPEretOUTSAt176, p=0.975, method="modified")	DJPEESNOt176<-ES(datDJPEretOUTSAt176$rev.DJPEretOUTSAt176, p=0.975, method="gaussian")	DJPEESHIt176	DJPEESMDt176	DJPEESNDt176
DJPEESMOt177<-ES(datDJPEretOUTSAt177$rev.DJPEretOUTSAt177, p=0.975, method="modified")	DJPEESNOt177<-ES(datDJPEretOUTSAt177$rev.DJPEretOUTSAt177, p=0.975, method="gaussian")	DJPEESHIt177	DJPEESMDt177	DJPEESNDt177
DJPEESMOt178<-ES(datDJPEretOUTSAt178$rev.DJPEretOUTSAt178, p=0.975, method="modified")	DJPEESNOt178<-ES(datDJPEretOUTSAt178$rev.DJPEretOUTSAt178, p=0.975, method="gaussian")	DJPEESHIt178	DJPEESMDt178	DJPEESNDt178
DJPEESMOt179<-ES(datDJPEretOUTSAt179$rev.DJPEretOUTSAt179, p=0.975, method="modified")	DJPEESNOt179<-ES(datDJPEretOUTSAt179$rev.DJPEretOUTSAt179, p=0.975, method="gaussian")	DJPEESHIt179	DJPEESMDt179	DJPEESNDt179
DJPEESMOt180<-ES(datDJPEretOUTSAt180$rev.DJPEretOUTSAt180, p=0.975, method="modified")	DJPEESNOt180<-ES(datDJPEretOUTSAt180$rev.DJPEretOUTSAt180, p=0.975, method="gaussian")	DJPEESHIt180	DJPEESMDt180	DJPEESNDt180
DJPEESMOt181<-ES(datDJPEretOUTSAt181$rev.DJPEretOUTSAt181, p=0.975, method="modified")	DJPEESNOt181<-ES(datDJPEretOUTSAt181$rev.DJPEretOUTSAt181, p=0.975, method="gaussian")	DJPEESHIt181	DJPEESMDt181	DJPEESNDt181
DJSOESMOt1<-ES(datDJSOretOUTSAt1$rev.DJSOretOUTSAt1, p=0.975, method="modified")	DJSOESNOt1<-ES(datDJSOretOUTSAt1$rev.DJSOretOUTSAt1, p=0.975, method="gaussian")	DJSOESHIt1	DJSOESMDt1	DJSOESNDt1
DJSOESMOt2<-ES(datDJSOretOUTSAt2$rev.DJSOretOUTSAt2, p=0.975, method="modified")	DJSOESNOt2<-ES(datDJSOretOUTSAt2$rev.DJSOretOUTSAt2, p=0.975, method="gaussian")	DJSOESHIt2	DJSOESMDt2	DJSOESNDt2
DJSOESMOt3<-ES(datDJSOretOUTSAt3$rev.DJSOretOUTSAt3, p=0.975, method="modified")	DJSOESNOt3<-ES(datDJSOretOUTSAt3$rev.DJSOretOUTSAt3, p=0.975, method="gaussian")	DJSOESHIt3	DJSOESMDt3	DJSOESNDt3
DJSOESMOt4<-ES(datDJSOretOUTSAt4$rev.DJSOretOUTSAt4, p=0.975, method="modified")	DJSOESNOt4<-ES(datDJSOretOUTSAt4$rev.DJSOretOUTSAt4, p=0.975, method="gaussian")	DJSOESHIt4	DJSOESMDt4	DJSOESNDt4
DJSOESMOt5<-ES(datDJSOretOUTSAt5$rev.DJSOretOUTSAt5, p=0.975, method="modified")	DJSOESNOt5<-ES(datDJSOretOUTSAt5$rev.DJSOretOUTSAt5, p=0.975, method="gaussian")	DJSOESHIt5	DJSOESMDt5	DJSOESNDt5
DJSOESMOt6<-ES(datDJSOretOUTSAt6$rev.DJSOretOUTSAt6, p=0.975, method="modified")	DJSOESNOt6<-ES(datDJSOretOUTSAt6$rev.DJSOretOUTSAt6, p=0.975, method="gaussian")	DJSOESHIt6	DJSOESMDt6	DJSOESNDt6
DJSOESMOt7<-ES(datDJSOretOUTSAt7$rev.DJSOretOUTSAt7, p=0.975, method="modified")	DJSOESNOt7<-ES(datDJSOretOUTSAt7$rev.DJSOretOUTSAt7, p=0.975, method="gaussian")	DJSOESHIt7	DJSOESMDt7	DJSOESNDt7
DJSOESMOt8<-ES(datDJSOretOUTSAt8$rev.DJSOretOUTSAt8, p=0.975, method="modified")	DJSOESNOt8<-ES(datDJSOretOUTSAt8$rev.DJSOretOUTSAt8, p=0.975, method="gaussian")	DJSOESHIt8	DJSOESMDt8	DJSOESNDt8
DJSOESMOt9<-ES(datDJSOretOUTSAt9$rev.DJSOretOUTSAt9, p=0.975, method="modified")	DJSOESNOt9<-ES(datDJSOretOUTSAt9$rev.DJSOretOUTSAt9, p=0.975, method="gaussian")	DJSOESHIt9	DJSOESMDt9	DJSOESNDt9
DJSOESMOt10<-ES(datDJSOretOUTSAt10$rev.DJSOretOUTSAt10, p=0.975, method="modified")	DJSOESNOt10<-ES(datDJSOretOUTSAt10$rev.DJSOretOUTSAt10, p=0.975, method="gaussian")	DJSOESHIt10	DJSOESMDt10	DJSOESNDt10
DJSOESMOt11<-ES(datDJSOretOUTSAt11$rev.DJSOretOUTSAt11, p=0.975, method="modified")	DJSOESNOt11<-ES(datDJSOretOUTSAt11$rev.DJSOretOUTSAt11, p=0.975, method="gaussian")	DJSOESHIt11	DJSOESMDt11	DJSOESNDt11
DJSOESMOt12<-ES(datDJSOretOUTSAt12$rev.DJSOretOUTSAt12, p=0.975, method="modified")	DJSOESNOt12<-ES(datDJSOretOUTSAt12$rev.DJSOretOUTSAt12, p=0.975, method="gaussian")	DJSOESHIt12	DJSOESMDt12	DJSOESNDt12
DJSOESMOt13<-ES(datDJSOretOUTSAt13$rev.DJSOretOUTSAt13, p=0.975, method="modified")	DJSOESNOt13<-ES(datDJSOretOUTSAt13$rev.DJSOretOUTSAt13, p=0.975, method="gaussian")	DJSOESHIt13	DJSOESMDt13	DJSOESNDt13
DJSOESMOt14<-ES(datDJSOretOUTSAt14$rev.DJSOretOUTSAt14, p=0.975, method="modified")	DJSOESNOt14<-ES(datDJSOretOUTSAt14$rev.DJSOretOUTSAt14, p=0.975, method="gaussian")	DJSOESHIt14	DJSOESMDt14	DJSOESNDt14
DJSOESMOt15<-ES(datDJSOretOUTSAt15$rev.DJSOretOUTSAt15, p=0.975, method="modified")	DJSOESNOt15<-ES(datDJSOretOUTSAt15$rev.DJSOretOUTSAt15, p=0.975, method="gaussian")	DJSOESHIt15	DJSOESMDt15	DJSOESNDt15
DJSOESMOt16<-ES(datDJSOretOUTSAt16$rev.DJSOretOUTSAt16, p=0.975, method="modified")	DJSOESNOt16<-ES(datDJSOretOUTSAt16$rev.DJSOretOUTSAt16, p=0.975, method="gaussian")	DJSOESHIt16	DJSOESMDt16	DJSOESNDt16
DJSOESMOt17<-

D3SOESMOt37<-ES(datD3SOretOUTSAt37$rev.D3SOretOUTSAt37, p=0.975, method="modified")	D3SOESNOt37<-ES(datD3SOretOUTSAt37$rev.D3SOretOUTSAt37, p=0.975, method="gaussian")	D3SOESHIt37	D3SOESMOt37	D3SOESNOt37
D3SOESMOt38<-ES(datD3SOretOUTSAt38$rev.D3SOretOUTSAt38, p=0.975, method="modified")	D3SOESNOt38<-ES(datD3SOretOUTSAt38$rev.D3SOretOUTSAt38, p=0.975, method="gaussian")	D3SOESHIt38	D3SOESMOt38	D3SOESNOt38
D3SOESMOt39<-ES(datD3SOretOUTSAt39$rev.D3SOretOUTSAt39, p=0.975, method="modified")	D3SOESNOt39<-ES(datD3SOretOUTSAt39$rev.D3SOretOUTSAt39, p=0.975, method="gaussian")	D3SOESHIt39	D3SOESMOt39	D3SOESNOt39

DJSOESNOt166<-ES(datDJSOretOUTSAt166$rev.DJSOretOUTSAt166, p=0.975, method="modified")	DJSOESNOt166<-ES(datDJSOretOUTSAt166$rev.DJSOretOUTSAt166, p=0.975, method="gaussian")	DJSOESHIt166	DJSOESMOt166	DJSOESNOt166
DJSOESNOt167<-ES(datDJSOretOUTSAt167$rev.DJSOretOUTSAt167, p=0.975, method="modified")	DJSOESNOt167<-ES(datDJSOretOUTSAt167$rev.DJSOretOUTSAt167, p=0.975, method="gaussian")	DJSOESHIt167	DJSOESMOt167	DJSOESNOt167
DJSOESNOt168<-ES(datDJSOretOUTSAt168$rev.DJSOretOUTSAt168, p=0.975, method="modified")	DJSOESNOt168<-ES(datDJSOretOUTSAt168$rev.DJSOretOUTSAt168, p=0.975, method="gaussian")	DJSOESHIt168	DJSOESMOt168	DJSOESNOt168
DJSOESNOt169<-ES(datDJSOretOUTSAt169$rev.DJSOretOUTSAt169, p=0.975, method="modified")	DJSOESNOt169<-ES(datDJSOretOUTSAt169$rev.DJSOretOUTSAt169, p=0.975, method="gaussian")	DJSOESHIt169	DJSOESMOt169	DJSOESNOt169
DJSOESNOt170<-ES(datDJSOretOUTSAt170$rev.DJSOretOUTSAt170, p=0.975, method="modified")	DJSOESNOt170<-ES(datDJSOretOUTSAt170$rev.DJSOretOUTSAt170, p=0.975, method="gaussian")	DJSOESHIt170	DJSOESMOt170	DJSOESNOt170
DJSOESNOt171<-ES(datDJSOretOUTSAt171$rev.DJSOretOUTSAt171, p=0.975, method="modified")	DJSOESNOt171<-ES(datDJSOretOUTSAt171$rev.DJSOretOUTSAt171, p=0.975, method="gaussian")	DJSOESHIt171	DJSOESMOt171	DJSOESNOt171
DJSOESNOt172<-ES(datDJSOretOUTSAt172$rev.DJSOretOUTSAt172, p=0.975, method="modified")	DJSOESNOt172<-ES(datDJSOretOUTSAt172$rev.DJSOretOUTSAt172, p=0.975, method="gaussian")	DJSOESHIt172	DJSOESMOt172	DJSOESNOt172
DJSOESNOt173<-ES(datDJSOretOUTSAt173$rev.DJSOretOUTSAt173, p=0.975, method="modified")	DJSOESNOt173<-ES(datDJSOretOUTSAt173$rev.DJSOretOUTSAt173, p=0.975, method="gaussian")	DJSOESHIt173	DJSOESMOt173	DJSOESNOt173
DJSOESNOt174<-ES(datDJSOretOUTSAt174$rev.DJSOretOUTSAt174, p=0.975, method="modified")	DJSOESNOt174<-ES(datDJSOretOUTSAt174$rev.DJSOretOUTSAt174, p=0.975, method="gaussian")	DJSOESHIt174	DJSOESMOt174	DJSOESNOt174
DJSOESNOt175<-ES(datDJSOretOUTSAt175$rev.DJSOretOUTSAt175, p=0.975, method="modified")	DJSOESNOt175<-ES(datDJSOretOUTSAt175$rev.DJSOretOUTSAt175, p=0.975, method="gaussian")	DJSOESHIt175	DJSOESMOt175	DJSOESNOt175
DJSOESNOt176<-ES(datDJSOretOUTSAt176$rev.DJSOretOUTSAt176, p=0.975, method="modified")	DJSOESNOt176<-ES(datDJSOretOUTSAt176$rev.DJSOretOUTSAt176, p=0.975, method="gaussian")	DJSOESHIt176	DJSOESMOt176	DJSOESNOt176
DJSOESNOt177<-ES(datDJSOretOUTSAt177$rev.DJSOretOUTSAt177, p=0.975, method="modified")	DJSOESNOt177<-ES(datDJSOretOUTSAt177$rev.DJSOretOUTSAt177, p=0.975, method="gaussian")	DJSOESHIt177	DJSOESMOt177	DJSOESNOt177
DJSOESNOt178<-ES(datDJSOretOUTSAt178$rev.DJSOretOUTSAt178, p=0.975, method="modified")	DJSOESNOt178<-ES(datDJSOretOUTSAt178$rev.DJSOretOUTSAt178, p=0.975, method="gaussian")	DJSOESHIt178	DJSOESMOt178	DJSOESNOt178
DJSOESNOt179<-ES(datDJSOretOUTSAt179$rev.DJSOretOUTSAt179, p=0.975, method="modified")	DJSOESNOt179<-ES(datDJSOretOUTSAt179$rev.DJSOretOUTSAt179, p=0.975, method="gaussian")	DJSOESHIt179	DJSOESMOt179	DJSOESNOt179
DJSOESNOt180<-ES(datDJSOretOUTSAt180$rev.DJSOretOUTSAt180, p=0.975, method="modified")	DJSOESNOt180<-ES(datDJSOretOUTSAt180$rev.DJSOretOUTSAt180, p=0.975, method="gaussian")	DJSOESHIt180	DJSOESMOt180	DJSOESNOt180
DJSOESNOt181<-ES(datDJSOretOUTSAt181$rev.DJSOretOUTSAt181, p=0.975, method="modified")	DJSOESNOt181<-ES(datDJSOretOUTSAt181$rev.DJSOretOUTSAt181, p=0.975, method="gaussian")	DJSOESHIt181	DJSOESMOt181	DJSOESNOt181
SEFPESMOt1<-ES(datSEFPretOUTSAt1$rev.SEFPretOUTSAt1, p=0.975, method="modified")	SEFPESNOt1<-ES(datSEFPretOUTSAt1$rev.SEFPretOUTSAt1, p=0.975, method="gaussian")	SEFPESHIt1	SEFPESMOt1	SEFPESNOt1
SEFPESMOt2<-ES(datSEFPretOUTSAt2$rev.SEFPretOUTSAt2, p=0.975, method="modified")	SEFPESNOt2<-ES(datSEFPretOUTSAt2$rev.SEFPretOUTSAt2, p=0.975, method="gaussian")	SEFPESHIt2	SEFPESMOt2	SEFPESNOt2
SEFPESMOt3<-ES(datSEFPretOUTSAt3$rev.SEFPretOUTSAt3, p=0.975, method="modified")	SEFPESNOt3<-ES(datSEFPretOUTSAt3$rev.SEFPretOUTSAt3, p=0.975, method="gaussian")	SEFPESHIt3	SEFPESMOt3	SEFPESNOt3

SEFPESMOt112<-ES(datSEFPretOUTSAt112$rev.SEFPretOUTSAt112, p=0.975, method="modified")	SEFPESNOt112<-ES(datSEFPretOUTSAt112$rev.SEFPretOUTSAt112, p=0.975, method="gaussian")	SEFPESHIt112	SEFPESMOt112	SEFPESNOt112
SEFPESMOt113<-ES(datSEFPretOUTSAt113$rev.SEFPretOUTSAt113, p=0.975, method="modified")	SEFPESNOt113<-ES(datSEFPretOUTSAt113$rev.SEFPretOUTSAt113, p=0.975, method="gaussian")	SEFPESHIt113	SEFPESMOt113	SEFPESNOt113
SEFPESMOt114<-ES(datSEFPretOUTSAt114$rev.SEFPretOUTSAt114, p=0.975, method="modified")	SEFPESNOt114<-ES(datSEFPretOUTSAt114$rev.SEFPretOUTSAt114, p=0.975, method="gaussian")	SEFPESHIt114	SEFPESMOt114	SEFPESNOt114
SEFPESMOt115<-ES(datSEFPretOUTSAt115$rev.SEFPretOUTSAt115, p=0.975, method="modified")	SEFPESNOt115<-ES(datSEFPretOUTSAt115$rev.SEFPretOUTSAt115, p=0.975, method="gaussian")	SEFPESHIt115	SEFPESMOt115	SEFPESNOt115
SEFPESMOt116<-ES(datSEFPretOUTSAt116$rev.SEFPretOUTSAt116, p=0.975, method="modified")	SEFPESNOt116<-ES(datSEFPretOUTSAt116$rev.SEFPretOUTSAt116, p=0.975, method="gaussian")	SEFPESHIt116	SEFPESMOt116	SEFPESNOt116
SEFPESMOt117<-ES(datSEFPretOUTSAt117$rev.SEFPretOUTSAt117, p=0.975, method="modified")	SEFPESNOt117<-ES(datSEFPretOUTSAt117$rev.SEFPretOUTSAt117, p=0.975, method="gaussian")	SEFPESHIt117	SEFPESMOt117	SEFPESNOt117
SEFPESMOt118<-ES(datSEFPretOUTSAt118$rev.SEFPretOUTSAt118, p=0.975, method="modified")	SEFPESNOt118<-ES(datSEFPretOUTSAt118$rev.SEFPretOUTSAt118, p=0.975, method="gaussian")	SEFPESHIt118	SEFPESMOt118	SEFPESNOt118
SEFPESMOt119<-ES(datSEFPretOUTSAt119$rev.SEFPretOUTSAt119, p=0.975, method="modified")	SEFPESNOt119<-ES(datSEFPretOUTSAt119$rev.SEFPretOUTSAt119, p=0.975, method="gaussian")	SEFPESHIt119	SEFPESMOt119	SEFPESNOt119
SEFPESMOt120<-ES(datSEFPretOUTSAt120$rev.SEFPretOUTSAt120, p=0.975, method="modified")	SEFPESNOt120<-ES(datSEFPretOUTSAt120$rev.SEFPretOUTSAt120, p=0.975, method="gaussian")	SEFPESHIt120	SEFPESMOt120	SEFPESNOt120
SEFPESMOt121<-ES(datSEFPretOUTSAt121$rev.SEFPretOUTSAt121, p=0.975, method="modified")	SEFPESNOt121<-ES(datSEFPretOUTSAt121$rev.SEFPretOUTSAt121, p=0.975, method="gaussian")	SEFPESHIt121	SEFPESMOt121	SEFPESNOt121
SEFPESMOt122<-ES(datSEFPretOUTSAt122$rev.SEFPretOUTSAt122, p=0.975, method="modified")	SEFPESNOt122<-ES(datSEFPretOUTSAt122$rev.SEFPretOUTSAt122, p=0.975, method="gaussian")	SEFPESHIt122	SEFPESMOt122	SEFPESNOt122
SEFPESMOt123<-ES(datSEFPretOUTSAt123$rev.SEFPretOUTSAt123, p=0.975, method="modified")	SEFPESNOt123<-ES(datSEFPretOUTSAt123$rev.SEFPretOUTSAt123, p=0.975, method="gaussian")	SEFPESHIt123	SEFPESMOt123	SEFPESNOt123
SEFPESMOt124<-ES(datSEFPretOUTSAt124$rev.SEFPretOUTSAt124, p=0.975, method="modified")	SEFPESNOt124<-ES(datSEFPretOUTSAt124$rev.SEFPretOUTSAt124, p=0.975, method="gaussian")	SEFPESHIt124	SEFPESMOt124	SEFPESNOt124
SEFPESMOt125<-ES(datSEFPretOUTSAt125$rev.SEFPretOUTSAt125, p=0.975, method="modified")	SEFPESNOt125<-ES(datSEFPretOUTSAt125$rev.SEFPretOUTSAt125, p=0.975, method="gaussian")	SEFPESHIt125	SEFPESMOt125	SEFPESNOt125
SEFPESMOt126<-ES(datSEFPretOUTSAt126$rev.SEFPretOUTSAt126, p=0.975, method="modified")	SEFPESNOt126<-ES(datSEFPretOUTSAt126$rev.SEFPretOUTSAt126, p=0.975, method="gaussian")	SEFPESHIt126	SEFPESMOt126	SEFPESNOt126
SEFPESMOt127<-ES(datSEFPretOUTSAt127$rev.SEFPretOUTSAt127, p=0.975, method="modified")	SEFPESNOt127<-ES(datSEFPretOUTSAt127$rev.SEFPretOUTSAt127, p=0.975, method="gaussian")	SEFPESHIt127	SEFPESMOt127	SEFPESNOt127
SEFPESMOt128<-ES(datSEFPretOUTSAt128$rev.SEFPretOUTSAt128, p=0.975, method="modified")	SEFPESNOt128<-ES(datSEFPretOUTSAt128$rev.SEFPretOUTSAt128, p=0.975, method="gaussian")	SEFPESHIt128	SEFPESMOt128	SEFPESNOt128
SEFPESMOt129<-ES(datSEFPretOUTSAt129$rev.SEFPretOUTSAt129, p=0.975, method="modified")	SEFPESNOt129<-ES(datSEFPretOUTSAt129$rev.SEFPretOUTSAt129, p=0.975, method="gaussian")	SEFPESHIt129	SEFPESMOt129	SEFPESNOt129
SEFPESMOt130<-ES(datSEFPretOUTSAt130$rev.SEFPretOUTSAt130, p=0.975, method="modified")	SEFPESNOt130<-ES(datSEFPretOUTSAt130$rev.SEFPretOUTSAt130, p=0.975, method="gaussian")	SEFPESHIt130	SEFPESMOt130	SEFPESNOt130
SEFPESMOt131<-ES(datSEFPretOUTSAt131$rev.SEFPretOUTSAt131, p=0.975, method="modified")	SEFPESNOt131<-ES(datSEFPretOUTSAt131$rev.SEFPretOUTSAt131, p=0.975, method="gaussian")	SEFPESHIt131	SEFPESMOt131	SEFPESNOt131
SEFPESMOt132<-ES(datSEFPretOUTSAt132$rev.SEFPretOUTSAt132, p=0.975, method="modified")	SEFPESNOt132<-ES(datSEFPretOUTSAt132$rev.SEFPretOUTSAt132, p=0.975, method="gaussian")	SEFPESHIt132	SEFPESMOt132	SEFPESNOt132
SEFPESMOt133<-ES(datSEFPretOUTSAt133$rev.SEFPretOUTSAt133, p=0.975, method="modified")	SEFPESNOt133<-ES(datSEFPretOUTSAt133$rev.SEFPretOUTSAt133, p=0.975, method="gaussian")	SEFPESHIt133	SEFPESMOt133	SEFPESNOt133
SEFPESMOt134<-ES(datSEFPretOUTSAt134$rev.SEFPretOUTSAt134, p=0.975, method="modified")	SEFPESNOt134<-ES(datSEFPretOUTSAt134$rev.SEFPretOUTSAt134, p=0.975, method="gaussian")	SEFPESHIt134	SEFPESMOt134	SEFPESNOt134
SEFPESMOt135<-ES(datSEFPretOUTSAt135$rev.SEFPretOUTSAt135, p=0.975, method="modified")	SEFPESNOt135<-ES(datSEFPretOUTSAt135$rev.SEFPretOUTSAt135, p=0.975, method="gaussian")	SEFPESHIt135	SEFPESMOt135	SEFPESNOt135
SEFPESMOt136<-ES(datSEFPretOUTSAt136$rev.SEFPretOUTSAt136, p=0.975, method="modified")	SEFPESNOt136<-ES(datSEFPretOUTSAt136$rev.SEFPretOUTSAt136, p=0.975, method="gaussian")	SEFPESHIt136	SEFPESMOt136	SEFPESNOt136
SEFPESMOt137<-ES(datSEFPretOUTSAt137$rev.SEFPretOUTSAt137, p=0.975, method="modified")	SEFPESNOt137<-ES(datSEFPretOUTSAt137$rev.SEFPretOUTSAt137, p=0.975, method="gaussian")	SEFPESHIt137	SEFPESMOt137	SEFPESNOt137
SEFPESMOt138<-ES(datSEFPretOUTSAt138$rev.SEFPretOUTSAt138, p=0.975, method="modified")	SEFPESNOt138<-ES(datSEFPretOUTSAt138$rev.SEFPretOUTSAt138, p=0.975, method="gaussian")	SEFPESHIt138	SEFPESMOt138	SEFPESNOt138
SEFPESMOt139<-ES(datSEFPretOUTSAt139$rev.SEFPretOUTSAt139, p=0.975, method="modified")	SEFPESNOt139<-ES(datSEFPretOUTSAt139$rev.SEFPretOUTSAt139, p=0.975, method="gaussian")	SEFPESHIt139	SEFPESMOt139	SEFPESNOt139
SEFPESMOt140<-ES(datSEFPretOUTSAt140$rev.SEFPretOUTSAt140, p=0.975, method="modified")	SEFPESNOt140<-ES(datSEFPretOUTSAt140$rev.SEFPretOUTSAt140, p=0.975, method="gaussian")	SEFPESHIt140	SEFPESMOt140	SEFPESNOt140
SEFPESMOt141<-ES(datSEFPretOUTSAt141$rev.SEFPretOUTSAt141, p=0.975, method="modified")	SEFPESNOt141<-ES(datSEFPretOUTSAt141$rev.SEFPretOUTSAt141, p=0.975, method="gaussian")	SEFPESHIt141	SEFPESMOt141	SEFPESNOt141
SEFPESMOt142<-ES(datSEFPretOUTSAt142$rev.SEFPretOUTSAt142, p=0.975, method="modified")	SEFPESNOt142<-ES(datSEFPretOUTSAt142$rev.SEFPretOUTSAt142, p=0.975, method="gaussian")	SEFPESHIt142	SEFPESMOt142	SEFPESNOt142
SEFPESMOt143<-ES(datSEFPretOUTSAt143$rev.SEFPretOUTSAt143, p=0.975, method="modified")	SEFPESNOt143<-ES(datSEFPretOUTSAt143$rev.SEFPretOUTSAt143, p=0.975, method="gaussian")	SEFPESHIt143	SEFPESMOt143	SEFPESNOt143
SEFPESMOt144<-ES(datSEFPretOUTSAt144$rev.SEFPretOUTSAt144, p=0.975, method="modified")	SEFPESNOt144<-ES(datSEFPretOUTSAt144$rev.SEFPretOUTSAt144, p=0.975, method="gaussian")	SEFPESHIt144	SEFPESMOt144	SEFPESNOt144
SEFPESMOt145<-ES(datSEFPretOUTSAt145$rev.SEFPretOUTSAt145, p=0.975, method="modified")	SEFPESNOt145<-ES(datSEFPretOUTSAt145$rev.SEFPretOUTSAt145, p=0.975, method="gaussian")	SEFPESHIt145	SEFPESMOt145	SEFPESNOt145
SEFPESMOt146<-ES(datSEFPretOUTSAt146$rev.SEFPretOUTSAt146, p=0.975, method="modified")	SEFPESNOt146<-ES(datSEFPretOUTSAt146$rev.SEFPretOUTSAt146, p=0.975, method="gaussian")	SEFPESHIt146	SEFPESMOt146	SEFPESNOt146
SEFPESMOt147<-ES(datSEFPretOUTSAt147$rev.SEFPretOUTSAt147, p=0.975, method="modified")	SEFPESNOt147<-ES(datSEFPretOUTSAt147$rev.SEFPretOUTSAt147, p=0.975, method="gaussian")	SEFPESHIt147	SEFPESMOt147	SEFPESNOt147
SEFPESMOt148<-ES(datSEFPretOUTSAt148$rev.SEFPretOUTSAt148, p=0.975, method="modified")	SEFPESNOt148<-ES(datSEFPretOUTSAt148$rev.SEFPretOUTSAt148, p=0.975, method="gaussian")	SEFPESHIt148	SEFPESMOt148	SEFPESNOt148
SEFPESMOt149<-ES(datSEFPretOUTSAt149$rev.SEFPretOUTSAt149, p=0.975, method="modified")	SEFPESNOt149<-ES(datSEFPretOUTSAt149$rev.SEFPretOUTSAt149, p=0.975, method="gaussian")	SEFPESHIt149	SEFPESMOt149	SEFPESNOt149
SEFPESMOt150<-ES(datSEFPretOUTSAt150$rev.SEFPretOUTSAt150, p=0.975, method="modified")	SEFPESNOt150<-ES(datSEFPretOUTSAt150$rev.SEFPretOUTSAt150, p=0.975, method="gaussian")	SEFPESHIt150	SEFPESMOt150	SEFPESNOt150
SEFPESMOt151<-ES(datSEFPretOUTSAt151$rev.SEFPretOUTSAt151, p=0.975, method="modified")	SEFPESNOt151<-ES(datSEFPretOUTSAt151$rev.SEFPretOUTSAt151, p=0.975, method="gaussian")	SEFPESHIt151	SEFPESMOt151	SEFPESNOt151
SEFPESMOt152<-ES(datSEFPretOUTSAt152$rev.SEFPretOUTSAt152, p=0.975, method="modified")	SEFPESNOt152<-ES(datSEFPretOUTSAt152$rev.SEFPretOUTSAt152, p=0.975, method="gaussian")	SEFPESHIt152	SEFPESMOt152	SEFPESNOt152
SEFPESMOt153<-ES(datSEFPretOUTSAt153$rev.SEFPretOUTSAt153, p=0.975, method="modified")	SEFPESNOt153<-ES(datSEFPretOUTSAt153$rev.SEFPretOUTSAt153, p=0.975, method="gaussian")	SEFPESHIt153	SEFPESMOt153	SEFPESNOt153
SEFPESMOt154<-ES(datSEFPretOUTSAt154$rev.SEFPretOUTSAt154, p=0.975, method="modified")	SEFPESNOt154<-ES(datSEFPretOUTSAt154$rev.SEFPretOUTSAt154, p=0.975, method="gaussian")	SEFPESHIt154	SEFPESMOt154	SEFPESNOt154
SEFPESMOt155<-ES(datSEFPretOUTSAt155$rev.SEFPretOUTSAt155, p=0.975, method="modified")	SEFPESNOt155<-ES(datSEFPretOUTSAt155$rev.SEFPretOUTSAt155, p=0.975, method="gaussian")	SEFPESHIt155	SEFPESMOt155	SEFPESNOt155
SEFPESMOt156<-ES(datSEFPretOUTSAt156$rev.SEFPretOUTSAt156, p=0.975, method="modified")	SEFPESNOt156<-ES(datSEFPretOUTSAt156$rev.SEFPretOUTSAt156, p=0.975, method="gaussian")	SEFPESHIt156	SEFPESMOt156	SEFPESNOt156
SEFPESMOt157<-ES(datSEFPretOUTSAt157$rev.SEFPretOUTSAt157, p=0.975, method="modified")	SEFPESNOt157<-ES(datSEFPretOUTSAt157$rev.SEFPretOUTSAt157, p=0.975, method="gaussian")	SEFPESHIt157	SEFPESMOt157	SEFPESNOt157
SEFPESMOt158<-ES(datSEFPretOUTSAt158$rev.SEFPretOUTSAt158, p=0.975, method="modified")	SEFPESNOt158<-ES(datSEFPretOUTSAt158$rev.SEFPretOUTSAt158, p=0.975, method="gaussian")	SEFPESHIt158	SEFPESMOt158	SEFPESNOt158
SEFPESMOt159<-ES(datSEFPretOUTSAt159$rev.SEFPretOUTSAt159, p=0.975, method="modified")	SEFPESNOt159<-ES(datSEFPretOUTSAt159$rev.SEFPretOUTSAt159, p=0.975, method="gaussian")	SEFPESHIt159	SEFPESMOt159	SEFPESNOt159
SEFPESMOt160<-ES(datSEFPretOUTSAt160$rev.SEFPretOUTSAt160, p=0.975, method="modified")	SEFPESNOt160<-ES(datSEFPretOUTSAt160$rev.SEFPretOUTSAt160, p=0.975, method="gaussian")	SEFPESHIt160	SEFPESMOt160	SEFPESNOt160
SEFPESMOt161<-ES(datSEFPretOUTSAt161$rev.SEFPretOUTSAt161, p=0.975, method="modified")	SEFPESNOt161<-ES(datSEFPretOUTSAt161$rev.SEFPretOUTSAt161, p=0.975, method="gaussian")	SEFPESHIt161	SEFPESMOt161	SEFPESNOt161
SEFPESMOt162<-ES(datSEFPretOUTSAt162$rev.SEFPretOUTSAt162, p=0.975, method="modified")	SEFPESNOt162<-ES(datSEFPretOUTSAt162$rev.SEFPretOUTSAt162, p=0.975, method="gaussian")	SEFPESHIt162	SEFPESMOt162	SEFPESNOt162
SEFPESMOt163<-ES(datSEFPretOUTSAt163$rev.SEFPretOUTSAt163, p=0.975, method="modified")	SEFPESNOt163<-ES(datSEFPretOUTSAt163$rev.SEFPretOUTSAt163, p=0.975, method="gaussian")	SEFPESHIt163	SEFPESMOt163	SEFPESNOt163
SEFPESMOt164<-ES(datSEFPretOUTSAt164$rev.SEFPretOUTSAt164, p=0.975, method="modified")	SEFPESNOt164<-ES(datSEFPretOUTSAt164$rev.SEFPretOUTSAt164, p=0.975, method="gaussian")	SEFPESHIt164	SEFPESMOt164	SEFPESNOt164
SEFPESMOt165<-ES(datSEFPretOUTSAt165$rev.SEFPretOUTSAt165, p=0.975, method="modified")	SEFPESNOt165<-ES(datSEFPretOUTSAt165$rev.SEFPretOUTSAt165, p=0.975, method="gaussian")	SEFPESHIt165	SEFPESMOt165	SEFPESNOt165
SEFPESMOt166<-ES(datSEFPretOUTSAt166$rev.SEFPretOUTSAt166, p=0.975, method="modified")	SEFPESNOt166<-ES(datSEFPretOUTSAt166$rev.SEFPretOUTSAt166, p=0.975, method="gaussian")	SEFPESHIt166	SEFPESMOt166	SEFPESNOt166
SEFPESMOt167<-ES(datSEFPretOUTSAt167$rev.SEFPretOUTSAt167, p=0.975, method="modified")	SEFPESNOt167<-ES(datSEFPretOUTSAt167$rev.SEFPretOUTSAt167, p=0.975, method="gaussian")	SEFPESHIt167	SEFPESMOt167	SEFPESNOt167
SEFPESMOt168<-ES(datSEFPretOUTSAt168$rev.SEFPretOUTSAt168, p=0.975, method="modified")	SEFPESNOt168<-ES(datSEFPretOUTSAt168$rev.SEFPretOUTSAt168, p=0.975, method="gaussian")	SEFPESHIt168	SEFPESMOt168	SEFPESNOt168
SEFPESMOt169<-ES(datSEFPretOUTSAt169$rev.SEFPretOUTSAt169, p=0.975, method="modified")	SEFPESNOt169<-ES(datSEFPretOUTSAt169$rev.SEFPretOUTSAt169, p=0.975, method="gaussian")	SEFPESHIt169	SEFPESMOt169	SEFPESNOt169
SEFPESMOt170<-ES(datSEFPretOUTSAt170$rev.SEFPretOUTSAt170, p=0.975, method="modified")	SEFPESNOt170<-ES(datSEFPretOUTSAt170$rev.SEFPretOUTSAt170, p=0.975, method="gaussian")	SEFPESHIt170	SEFPESMOt170	SEFPESNOt170
SEFPESMOt171<-ES(datSEFPretOUTSAt171$rev.SEFPretOUTSAt171, p=0.975, method="modified")	SEFPESNOt171<-ES(datSEFPretOUTSAt171$rev.SEFPretOUTSAt171, p=0.975, method="gaussian")	SEFPESHIt171	SEFPESMOt171	SEFPESNOt171
SEFPESMOt172<-ES(datSEFPretOUTSAt172$rev.SEFPretOUTSAt172, p=0.975, method="modified")	SEFPESNOt172<-ES(datSEFPretOUTSAt172$rev.SEFPretOUTSAt172, p=0.975, method="gaussian")	SEFPESHIt172	SEFPESMOt172	SEFPESNOt172
SEFPESMOt173<-ES(datSEFPretOUTSAt173$rev.SEFPretOUTSAt173, p=0.975, method="modified")	SEFPESNOt173<-ES(datSEFPretOUTSAt173$rev.SEFPretOUTSAt173, p=0.975, method="gaussian")	SEFPESHIt173	SEFPESMOt173	SEFPESNOt173
SEFPESMOt174<-ES(datSEFPretOUTSAt174$rev.SEFPretOUTSAt174, p=0.975, method="modified")	SEFPESNOt174<-ES(datSEFPretOUTSAt174$rev.SEFPretOUTSAt174, p=0.975, method="gaussian")	SEFPESHIt174	SEFPESMOt174	SEFPESNOt174
SEFPESMOt175<-ES(datSEFPretOUTSAt175$rev.SEFPretOUTSAt175, p=0.975, method="modified")	SEFPESNOt175<-ES(datSEFPretOUTSAt175$rev.SEFPretOUTSAt175, p=0.975, method="gaussian")	SEFPESHIt175	SEFPESMOt175	SEFPESNOt175
SEFPESMOt176<-ES(datSEFPretOUTSAt176$rev.SEFPretOUTSAt176, p=0.975, method="modified")	SEFPESNOt176<-ES(datSEFPretOUTSAt176$rev.SEFPretOUTSAt176, p=0.975, method="gaussian")	SEFPESHIt176	SEFPESMOt176	SEFPESNOt176
SEFPESMOt177<-ES(datSEFPretOUTSAt177$rev.SEFPretOUTSAt177, p=0.975, method="modified")	SEFPESNOt177<-ES(datSEFPretOUTSAt177$rev.SEFPretOUTSAt177, p=0.975, method="gaussian")	SEFPESHIt177	SEFPESMOt177	SEFPESNOt177
SEFPESMOt178<-ES(datSEFPretOUTSAt178$rev.SEFPretOUTSAt178, p=0.975, method="modified")	SEFPESNOt178<-ES(datSEFPretOUTSAt178$rev.SEFPretOUTSAt178, p=0.975, method="gaussian")	SEFPESHIt178	SEFPESMOt178	SEFPESNOt178
SEFPESMOt179<-ES(datSEFPretOUTSAt179$rev.SEFPretOUTSAt179, p=0.975, method="modified")	SEFPESNOt179<-ES(datSEFPretOUTSAt179$rev.SEFPretOUTSAt179, p=0.975, method="gaussian")	SEFPESHIt179	SEFPESMOt179	SEFPESNOt179
SEFPESMOt180<-ES(datSEFPretOUTSAt180$rev.SEFPretOUTSAt180, p=0.975, method="modified")	SEFPESNOt180<-ES(datSEFPretOUTSAt180$rev.SEFPretOUTSAt180, p=0.975, method="gaussian")	SEFPESHIt180	SEFPESMOt180	SEFPESNOt180
SEFPESMOt181<-ES(datSEFPretOUTSAt181$rev.SEFPretOUTSAt181, p=0.975, method="modified")	SEFPESNOt181<-ES(datSEFPretOUTSAt181$rev.SEFPretOUTSAt181, p=0.975, method="gaussian")	SEFPESHIt181	SEFPESMOt181	SEFPESNOt181
SEECESMOt1<-ES(datSEECretOUTSAt1$rev.SEECretOUTSAt1, p=0.975, method="modified")	SEECESNOt1<-ES(datSEECretOUTSAt1$rev.SEECretOUTSAt1, p=0.975, method="gaussian")	SEECESHIt1	SEECESMOt1	SEECESNOt1
SEECESMOt2<-ES(datSEECretOUTSAt2$rev.SEECretOUTSAt2, p=0.975, method="modified")	SEECESNOt2<-ES(datSEECretOUTSAt2$rev.SEECretOUTSAt2, p=0.975, method="gaussian")	SEECESHIt2	SEECESMOt2	SEECESNOt2
SEECESMOt3<-ES(datSEECretOUTSAt3$rev.SEECretOUTSAt3, p=0.975, method="modified")	SEECESNOt3<-ES(datSEECretOUTSAt3$rev.SEECretOUTSAt3, p=0.975, method="gaussian")	SEECESHIt3	SEECESMOt3	SEECESNOt3
SEECESMOt4<-ES(datSEECretOUTSAt4$rev.SEECretOUTSAt4, p=0.975, method="modified")	SEECESNOt4<-ES(datSEECretOUTSAt4$rev.SEECretOUTSAt4, p=0.975, method="gaussian")	SEECESHIt4	SEECESMOt4	SEECESNOt4
SEECESMOt5<-ES(datSEECretOUTSAt5$rev.SEECretOUTSAt5, p=0.975, method="modified")	SEECESNOt5<-ES(datSEECretOUTSAt5$rev.SEECretOUTSAt5, p=0.975, method="gaussian")	SEECESHIt5	SEECESMOt5	SEECESNOt5
SEECESMOt6<-ES(datSEECretOUTSAt6$rev.SEECretOUTSAt6, p=0.975, method="modified")	SEECESNOt6<-ES(datSEECretOUTSAt6$rev.SEECretOUTSAt6, p=0.975, method="gaussian")	SEECESHIt6	SEECESMOt6	SEECESNOt6
SEECESMOt7<-ES(datSEECretOUTSAt7$rev.SEECretOUTSAt7, p=0.975, method="modified")	SEECESNOt7<-ES(datSEECretOUTSAt7$rev.SEECretOUTSAt7, p=0.975, method="gaussian")	SEECESHIt7	SEECESMOt7	SEECESNOt7
SEECESMOt8<-ES(datSEECretOUTSAt8$rev.SEECretOUTSAt8, p=0.975, method="modified")	SEECESNOt8<-ES(datSEECretOUTSAt8$rev.SEECretOUTSAt8, p=0.975, method="gaussian")	SEECESHIt8	SEECESMOt8	SEECESNOt8
SEECESMOt9<-ES(datSEECretOUTSAt9$rev.SEECretOUTSAt9, p=0.975, method="modified")	SEECESNOt9<-ES(datSEECretOUTSAt9$rev.SEECretOUTSAt9, p=0.975, method="gaussian")	SEECESHIt9	SEECESMOt9	SEECESNOt9
SEECESMOt10<-ES(datSEECretOUTSAt10$rev.SEECretOUTSAt10, p=0.975, method="modified")	SEECESNOt10<-ES(datSEECretOUTSAt10$rev.SEECretOUTSAt10, p=0.975, method="gaussian")	SEECESHIt10	SEECESMOt10	SEECESNOt10
SEECESMOt11<-ES(datSEECretOUTSAt11$rev.SEECretOUTSAt11, p=0.975, method="modified")	SEECESNOt11<-ES(datSEECretOUTSAt11$rev.SEECretOUTSAt11, p=0.975, method="gaussian")	SEECESHIt11	SEECESMOt11	SEECESNOt11
SEECESMOt12<-ES(datSEECretOUTSAt12$rev.SEECretOUTSAt12, p=0.975, method="modified")	SEECESNOt12<-ES(datSEECretOUTSAt12$rev.SEECretOUTSAt12, p=0.975, method="gaussian")	SEECESHIt12	SEECESMOt12	SEECESNOt12
SEECESMOt13<-ES(datSEECretOUTSAt13$rev.SEECretOUTSAt13, p=0.975, method="modified")	SEECESNOt13<-ES(datSEECretOUTSAt13$rev.SEECretOUTSAt13, p=0.975, method="gaussian")	SEECESHIt13	SEECESMOt13	SEECESNOt13
SEECESMOt14<-ES(datSEECretOUTSAt14$rev.SEECretOUTSAt14, p=0.975, method="modified")	SEECESNOt14<-ES(datSEECretOUTSAt14$rev.SEECretOUTSAt14, p=0.975, method="gaussian")	SEECESHIt14	SEECESMOt14	SEECESNOt14
SEECESMOt15<-ES(datSEECretOUTSAt15$rev.SEECretOUTSAt15, p=0.975, method="modified")	SEECESNOt15<-ES(datSEECretOUTSAt15$rev.SEECretOUTSAt15, p=0.975, method="gaussian")	SEECESHIt15	SEECESMOt15	SEECESNOt15
SEECESMOt16<-ES(datSEECretOUTSAt16$rev.SEECretOUTSAt16, p=0.975, method="modified")	SEECESNOt16<-ES(datSEECretOUTSAt16$rev.SEECretOUTSAt16, p=0.975, method="gaussian")	SEECESHIt16	SEECESMOt16	SEECESNOt16
SEECESMOt17<-ES(datSEECretOUTSAt17$rev.SEECretOUTSAt17, p=0.975, method="modified")	SEECESNOt17<-ES(datSEECretOUTSAt17$rev.SEECretOUTSAt17, p=0.975, method="gaussian")	SEECESHIt17	SEECESMOt17	SEECESNOt17
SEECESMOt18<-ES(datSEECretOUTSAt18$rev.SEECretOUTSAt18, p=0.975, method="modified")	SEECESNOt18<-ES(datSEECretOUTSAt18$rev.SEECretOUTSAt18, p=0.975, method="gaussian")	SEECESHIt18	SEECESMOt18	SEECESNOt18
SEECESMOt19<-ES(datSEECretOUTSAt19$rev.SEECretOUTSAt19, p=0.975, method="modified")	SEECESNOt19<-ES(datSEECretOUTSAt19$rev.SEECretOUTSAt19, p=0.975, method="gaussian")	SEECESHIt19	SEECESMOt19	SEECESNOt19
SEECESMOt20<-ES(datSEECretOUTSAt20$rev.SEECretOUTSAt20, p=0.975, method="modified")	SEECESNOt20<-ES(datSEECretOUTSAt20$rev.SEECretOUTSAt20, p=0.975, method="gaussian")	SEECESHIt20	SEECESMOt20	SEECESNOt20
SEECESMOt21<-ES(datSEECretOUTSAt21$rev.SEECretOUTSAt21, p=0.975, method="modified")	SEECESNOt21<-ES(datSEECretOUTSAt21$rev.SEECretOUTSAt21, p=0.975, method="gaussian")	SEECESHIt21	SEECESMOt21	SEECESNOt21
SEECESMOt22<-ES(datSEECretOUTSAt22$rev.SEECretOUTSAt22, p=0.975, method="modified")	SEECESNOt22<-ES(datSEECretOUTSAt22$rev.SEECretOUTSAt22, p=0.975, method="gaussian")	SEECESHIt22	SEECESMOt22	SEECESNOt22
SEECESMOt23<-ES(datSEECretOUTSAt23$rev.SEECretOUTSAt23, p=0.975, method="modified")	SEECESNOt23<-ES(datSEECretOUTSAt23$rev.SEECretOUTSAt23, p=0.975, method="gaussian")	SEECESHIt23	SEECESMOt23	SEECESNOt23
SEECESMOt24<-ES(datSEECretOUTSAt24$rev.SEECretOUTSAt24, p=0.975, method="modified")	SEECESNOt24<-ES(datSEECretOUTSAt24$rev.SEECretOUTSAt24, p=0.975, method="gaussian")	SEECESHIt24	SEECESMOt24	SEECESNOt24
SEECESMOt25<-ES(datSEECretOUTSAt25$rev.SEECretOUTSAt25, p=0.975, method="modified")	SEECESNOt25<-ES(datSEECretOUTSAt25$rev.SEECretOUTSAt25, p=0.975, method="gaussian")	SEECESHIt25	SEECESMOt25	SEECESNOt25
SEECESMOt26<-ES(datSEECretOUTSAt26$rev.SEECretOUTSAt26, p=0.975, method="modified")	SEECESNOt26<-ES(datSEECretOUTSAt26$rev.SEECretOUTSAt26, p=0.975, method="gaussian")	SEECESHIt26	SEECESMOt26	SEECESNOt26
SEECESMOt27<-ES(datSEECretOUTSAt27$rev.SEECretOUTSAt27, p=0.975, method="modified")	SEECESNOt27<-ES(datSEECretOUTSAt27$rev.SEECretOUTSAt27, p=0.975, method="gaussian")	SEECESHIt27	SEECESMOt27	SEECESNOt27
SEECESMOt28<-ES(datSEECretOUTSAt28$rev.SEECretOUTSAt28, p=0.975, method="modified")	SEECESNOt28<-ES(datSEECretOUTSAt28$rev.SEECretOUTSAt28, p=0.975, method="gaussian")	SEECESHIt28	SEECESMOt28	SEECESNOt28
SEECESMOt29<-ES(datSEECretOUTSAt29$rev.SEECretOUTSAt29, p=0.975, method="modified")	SEECESNOt29<-ES(datSEECretOUTSAt29$rev.SEECretOUTSAt29, p=0.975, method="gaussian")	SEECESHIt29	SEECESMOt29	SEECESNOt29
SEECESMOt30<-ES(datSEECretOUTSAt30$rev.SEECretOUTSAt30, p=0.975, method="modified")	SEECESNOt30<-ES(datSEECretOUTSAt30$rev.SEECretOUTSAt30, p=0.975, method="gaussian")	SEECESHIt30	SEECESMOt30	SEECESNOt30
SEECESMOt31<-ES(datSEECretOUTSAt31$rev.SEECretOUTSAt31, p=0.975, method="modified")	SEECESNOt31<-ES(datSEECretOUTSAt31$rev.SEECretOUTSAt31, p=0.975, method="gaussian")	SEECESHIt31	SEECESMOt31	SEECESNOt31
SEECESMOt32<-ES(datSEECretOUTSAt32$rev.SEECretOUTSAt32, p=0.975, method="modified")	SEECESNOt32<-ES(datSEECretOUTSAt32$rev.SEECretOUTSAt32, p=0.975, method="gaussian")	SEECESHIt32	SEECESMOt32	SEECESNOt32
SEECESMOt33<-ES(datSEECretOUTSAt33$rev.SEECretOUTSAt33, p=0.975, method="modified")	SEECESNOt33<-ES(datSEECretOUTSAt33$rev.SEECretOUTSAt33, p=0.975, method="gaussian")	SEECESHIt33	SEECESMOt33	SEECESNOt33
SEECESMOt34<-ES(datSEECretOUTSAt34$rev.SEECretOUTSAt34, p=0.975, method="modified")	SEECESNOt34<-ES(datSEECretOUTSAt34$rev.SEECretOUTSAt34, p=0.975, method="gaussian")	SEECESHIt34	SEECESMOt34	SEECESNOt34
SEECESMOt35<-ES(datSEECretOUTSAt35$rev.SEECretOUTSAt35, p=0.975, method="modified")	SEECESNOt35<-ES(datSEECretOUTSAt35$rev.SEECretOUTSAt35, p=0.975, method="gaussian")	SEECESHIt35	SEECESMOt35	SEECESNOt35
SEECESMOt36<-ES(datSEECretOUTSAt36$rev.SEECretOUTSAt36, p=0.975, method="modified")	SEECESNOt36<-ES(datSEECretOUTSAt36$rev.SEECretOUTSAt36, p=0.975, method="gaussian")	SEECESHIt36	SEECESMOt36	SEECESNOt36
SEECESMOt37<-ES(datSEECretOUTSAt37$rev.SEECretOUTSAt37, p=0.975, method="modified")	SEECESNOt37<-ES(datSEECretOUTSAt37$rev.SEECretOUTSAt37, p=0.975, method="gaussian")	SEECESHIt37	SEECESMOt37	SEECESNOt37
SEECESMOt38<-ES(datSEECretOUTSAt38$rev.SEECretOUTSAt38, p=0.975, method="modified")	SEECESNOt38<-ES(datSEECretOUTSAt38$rev.SEECretOUTSAt38, p=0.975, method="gaussian")	SEECESHIt38	SEECESMOt38	SEECESNOt38
SEECESMOt39<-ES(datSEECretOUTSAt39$rev.SEECretOUTSAt39, p=0.975, method="modified")	SEECESNOt39<-ES(datSEECretOUTSAt39$rev.SEECretOUTSAt39, p=0.975, method="gaussian")	SEECESHIt39	SEECESMOt39	SEECESNOt39
SEECESMOt40<-ES(datSEECretOUTSAt40$rev.SEECretOUTSAt40, p=0.975, method="modified")	SEECESNOt40<-

SEECESMOt58<-ES(datSEECretOUTSAt58$rev.SEECretOUTSAt58, p=0.975, method="modified")	SEECESNOt58<-ES(datSEECretOUTSAt58$rev.SEECretOUTSAt58, p=0.975, method="gaussian")	SEECESHIt58	SEECESMOt58	SEECESNOt58
SEECESMOt59<-ES(datSEECretOUTSAt59$rev.SEECretOUTSAt59, p=0.975, method="modified")	SEECESNOt59<-ES(datSEECretOUTSAt59$rev.SEECretOUTSAt59, p=0.975, method="gaussian")	SEECESHIt59	SEECESMOt59	SEECESNOt59
SEECESMOt60<-ES(datSEECretOUTSAt60$rev.SEECretOUTSAt60, p=0.975, method="modified")	SEECESNOt60<-ES(datSEECretOUTSAt60$rev.SEECretOUTSAt60, p=0.975, method="gaussian")	SEECESHIt60	SEECESMOt60	SEECESNOt60

SEFLESNOt4<-ES(datSEFLretOUTSAt4$rev.SEFLretOUTSAt4, p=0.975, method="modified")	SEFLESNOt4<-ES(datSEFLretOUTSAt4$rev.SEFLretOUTSAt4, p=0.975, method="gaussian")	SEFLESHIt4	SEFLESMOt4	SEFLESNOt4
SEFLESNOt5<-ES(datSEFLretOUTSAt5$rev.SEFLretOUTSAt5, p=0.975, method="modified")	SEFLESNOt5<-ES(datSEFLretOUTSAt5$rev.SEFLretOUTSAt5, p=0.975, method="gaussian")	SEFLESHIt5	SEFLESMOt5	SEFLESNOt5
SEFLESNOt6<-ES(datSEFLretOUTSAt6$rev.SEFLretOUTSAt6, p=0.975, method="modified")	SEFLESNOt6<-ES(datSEFLretOUTSAt6$rev.SEFLretOUTSAt6, p=0.975, method="gaussian")	SEFLESHIt6	SEFLESMOt6	SEFLESNOt6
SEFLESMOt7<-ES(datSEFLretOUTSAt7$rev.SEFLretOUTSAt7, p=0.975, method="modified")	SEFLESNOt7<-ES(datSEFLretOUTSAt7$rev.SEFLretOUTSAt7, p=0.975, method="gaussian")	SEFLESHIt7	SEFLESMOt7	SEFLESNOt7
SEFLESMOt8<-ES(datSEFLretOUTSAt8$rev.SEFLretOUTSAt8, p=0.975, method="modified")	SEFLESNOt8<-ES(datSEFLretOUTSAt8$rev.SEFLretOUTSAt8, p=0.975, method="gaussian")	SEFLESHIt8	SEFLESMOt8	SEFLESNOt8
SEFLESMOt9<-ES(datSEFLretOUTSAt9$rev.SEFLretOUTSAt9, p=0.975, method="modified")

SEFLESMOt133<-ES(datSEFLretOUTSAt133$rev.SEFLretOUTSAt133, p=0.975, method="modified")	SEFLESNOt133<-ES(datSEFLretOUTSAt133$rev.SEFLretOUTSAt133, p=0.975, method="gaussian")	SEFLESHIt133	SEFLESMOt133	SEFLESNOt133
SEFLESMOt134<-ES(datSEFLretOUTSAt134$rev.SEFLretOUTSAt134, p=0.975, method="modified")	SEFLESNOt134<-ES(datSEFLretOUTSAt134$rev.SEFLretOUTSAt134, p=0.975, method="gaussian")	SEFLESHIt134	SEFLESMOt134	SEFLESNOt134
SEFLESMOt135<-ES(datSEFLretOUTSAt135$rev.SEFLretOUTSAt135, p=0.975, method="modified")	SEFLESNOt135<-ES(datSEFLretOUTSAt135$rev.SEFLretOUTSAt135, p=0.975, method="gaussian")	SEFLESHIt135	SEFLESMOt135	SEFLESNOt135
SEFLESMOt136<-ES(datSEFLretOUTSAt136$rev.SEFLretOUTSAt136, p=0.975, method="modified")	SEFLESNOt136<-ES(datSEFLretOUTSAt136$rev.SEFLretOUTSAt136, p=0.975, method="gaussian")	SEFLESHIt136	SEFLESMOt136	SEFLESNOt136
SEFLESMOt137<-ES(datSEFLretOUTSAt137$rev.SEFLretOUTSAt137, p=0.975, method="modified")	SEFLESNOt137<-ES(datSEFLretOUTSAt137$rev.SEFLretOUTSAt137, p=0.975, method="gaussian")	SEFLESHIt137	SEFLESMOt137	SEFLESNOt137
SEFLESMOt138<-ES(datSEFLretOUTSAt138$rev.SEFLretOUTSAt138, p=0.975, method="modified")	SEFLESNOt138<-ES(datSEFLretOUTSAt138$rev.SEFLretOUTSAt138, p=0.975, method="gaussian")	SEFLESHIt138	SEFLESMOt138	SEFLESNOt138
SEFLESMOt139<-ES(datSEFLretOUTSAt139$rev.SEFLretOUTSAt139, p=0.975, method="modified")	SEFLESNOt139<-ES(datSEFLretOUTSAt139$rev.SEFLretOUTSAt139, p=0.975, method="gaussian")	SEFLESHIt139	SEFLESMOt139	SEFLESNOt139
SEFLESMOt140<-ES(datSEFLretOUTSAt140$rev.SEFLretOUTSAt140, p=0.975, method="modified")	SEFLESNOt140<-ES(datSEFLretOUTSAt140$rev.SEFLretOUTSAt140, p=0.975, method="gaussian")	SEFLESHIt140	SEFLESMOt140	SEFLESNOt140
SEFLESMOt141<-ES(datSEFLretOUTSAt141$rev.SEFLretOUTSAt141, p=0.975, method="modified")	SEFLESNOt141<-ES(datSEFLretOUTSAt141$rev.SEFLretOUTSAt141, p=0.975, method="gaussian")	SEFLESHIt141	SEFLESMOt141	SEFLESNOt141
SEFLESMOt142<-ES(datSEFLretOUTSAt142$rev.SEFLretOUTSAt142, p=0.975, method="modified")	SEFLESNOt142<-ES(datSEFLretOUTSAt142$rev.SEFLretOUTSAt142, p=0.975, method="gaussian")	SEFLESHIt142	SEFLESMOt142	SEFLESNOt142
SEFLESMOt143<-ES(datSEFLretOUTSAt143$rev.SEFLretOUTSAt143, p=0.975, method="modified")	SEFLESNOt143<-ES(datSEFLretOUTSAt143$rev.SEFLretOUTSAt143, p=0.975, method="gaussian")	SEFLESHIt143	SEFLESMOt143	SEFLESNOt143
SEFLESMOt144<-ES(datSEFLretOUTSAt144$rev.SEFLretOUTSAt144, p=0.975, method="modified")	SEFLESNOt144<-ES(datSEFLretOUTSAt144$rev.SEFLretOUTSAt144, p=0.975, method="gaussian")	SEFLESHIt144	SEFLESMOt144	SEFLESNOt144
SEFLESMOt145<-ES(datSEFLretOUTSAt145$rev.SEFLretOUTSAt145, p=0.975, method="modified")	SEFLESNOt145<-ES(datSEFLretOUTSAt145$rev.SEFLretOUTSAt145, p=0.975, method="gaussian")	SEFLESHIt145	SEFLESMOt145	SEFLESNOt145
SEFLESMOt146<-ES(datSEFLretOUTSAt146$rev.SEFLretOUTSAt146, p=0.975, method="modified")	SEFLESNOt146<-ES(datSEFLretOUTSAt146$rev.SEFLretOUTSAt146, p=0.975, method="gaussian")	SEFLESHIt146	SEFLESMOt146	SEFLESNOt146
SEFLESMOt147<-ES(datSEFLretOUTSAt147$rev.SEFLretOUTSAt147, p=0.975, method="modified")	SEFLESNOt147<-ES(datSEFLretOUTSAt147$rev.SEFLretOUTSAt147, p=0.975, method="gaussian")	SEFLESHIt147	SEFLESMOt147	SEFLESNOt147
SEFLESMOt148<-ES(datSEFLretOUTSAt148$rev.SEFLretOUTSAt148, p=0.975, method="modified")	SEFLESNOt148<-ES(datSEFLretOUTSAt148$rev.SEFLretOUTSAt148, p=0.975, method="gaussian")	SEFLESHIt148	SEFLESMOt148	SEFLESNOt148
SEFLESMOt149<-ES(datSEFLretOUTSAt149$rev.SEFLretOUTSAt149, p=0.975, method="modified")	SEFLESNOt149<-ES(datSEFLretOUTSAt149$rev.SEFLretOUTSAt149, p=0.975, method="gaussian")	SEFLESHIt149	SEFLESMOt149	SEFLESNOt149
SEFLESMOt150<-ES(datSEFLretOUTSAt150$rev.SEFLretOUTSAt150, p=0.975, method="modified")	SEFLESNOt150<-ES(datSEFLretOUTSAt150$rev.SEFLretOUTSAt150, p=0.975, method="gaussian")	SEFLESHIt150	SEFLESMOt150	SEFLESNOt150
SEFLESMOt151<-ES(datSEFLretOUTSAt151$rev.SEFLretOUTSAt151, p=0.975, method="modified")	SEFLESNOt151<-ES(datSEFLretOUTSAt151$rev.SEFLretOUTSAt151, p=0.975, method="gaussian")	SEFLESHIt151	SEFLESMOt151	SEFLESNOt151
SEFLESMOt152<-ES(datSEFLretOUTSAt152$rev.SEFLretOUTSAt152, p=0.975, method="modified")	SEFLESNOt152<-ES(datSEFLretOUTSAt152$rev.SEFLretOUTSAt152, p=0.975, method="gaussian")	SEFLESHIt152	SEFLESMOt152	SEFLESNOt152
SEFLESMOt153<-ES(datSEFLretOUTSAt153$rev.SEFLretOUTSAt153, p=0.975, method="modified")	SEFLESNOt153<-ES(datSEFLretOUTSAt153$rev.SEFLretOUTSAt153, p=0.975, method="gaussian")	SEFLESHIt153	SEFLESMOt153	SEFLESNOt153
SEFLESMOt154<-ES(datSEFLretOUTSAt154$rev.SEFLretOUTSAt154, p=0.975, method="modified")	SEFLESNOt154<-ES(datSEFLretOUTSAt154$rev.SEFLretOUTSAt154, p=0.975, method="gaussian")	SEFLESHIt154	SEFLESMOt154	SEFLESNOt154
SEFLESMOt155<-ES(datSEFLretOUTSAt155$rev.SEFLretOUTSAt155, p=0.975, method="modified")	SEFLESNOt155<-ES(datSEFLretOUTSAt155$rev.SEFLretOUTSAt155, p=0.975, method="gaussian")	SEFLESHIt155	SEFLESMOt155	SEFLESNOt155
SEFLESMOt156<-ES(datSEFLretOUTSAt156$rev.SEFLretOUTSAt156, p=0.975, method="modified")	SEFLESNOt156<-ES(datSEFLretOUTSAt156$rev.SEFLretOUTSAt156, p=0.975, method="gaussian")	SEFLESHIt156	SEFLESMOt156	SEFLESNOt156
SEFLESMOt157<-ES(datSEFLretOUTSAt157$rev.SEFLretOUTSAt157, p=0.975, method="modified")	SEFLESNOt157<-ES(datSEFLretOUTSAt157$rev.SEFLretOUTSAt157, p=0.975, method="gaussian")	SEFLESHIt157	SEFLESMOt157	SEFLESNOt157
SEFLESMOt158<-ES(datSEFLretOUTSAt158$rev.SEFLretOUTSAt158, p=0.975, method="modified")	SEFLESNOt158<-ES(datSEFLretOUTSAt158$rev.SEFLretOUTSAt158, p=0.975, method="gaussian")	SEFLESHIt158	SEFLESMOt158	SEFLESNOt158
SEFLESMOt159<-ES(datSEFLretOUTSAt159$rev.SEFLretOUTSAt159, p=0.975, method="modified")	SEFLESNOt159<-ES(datSEFLretOUTSAt159$rev.SEFLretOUTSAt159, p=0.975, method="gaussian")	SEFLESHIt159	SEFLESMOt159	SEFLESNOt159
SEFLESMOt160<-ES(datSEFLretOUTSAt160$rev.SEFLretOUTSAt160, p=0.975, method="modified")	SEFLESNOt160<-ES(datSEFLretOUTSAt160$rev.SEFLretOUTSAt160, p=0.975, method="gaussian")	SEFLESHIt160	SEFLESMOt160	SEFLESNOt160
SEFLESMOt161<-ES(datSEFLretOUTSAt161$rev.SEFLretOUTSAt161, p=0.975, method="modified")	SEFLESNOt161<-ES(datSEFLretOUTSAt161$rev.SEFLretOUTSAt161, p=0.975, method="gaussian")	SEFLESHIt161	SEFLESMOt161	SEFLESNOt161
SEFLESMOt162<-ES(datSEFLretOUTSAt162$rev.SEFLretOUTSAt162, p=0.975, method="modified")	SEFLESNOt162<-ES(datSEFLretOUTSAt162$rev.SEFLretOUTSAt162, p=0.975, method="gaussian")	SEFLESHIt162	SEFLESMOt162	SEFLESNOt162
SEFLESMOt163<-ES(datSEFLretOUTSAt163$rev.SEFLretOUTSAt163, p=0.975, method="modified")	SEFLESNOt163<-ES(datSEFLretOUTSAt163$rev.SEFLretOUTSAt163, p=0.975, method="gaussian")	SEFLESHIt163	SEFLESMOt163	SEFLESNOt163
SEFLESMOt164<-ES(datSEFLretOUTSAt164$rev.SEFLretOUTSAt164, p=0.975, method="modified")	SEFLESNOt164<-ES(datSEFLretOUTSAt164$rev.SEFLretOUTSAt164, p=0.975, method="gaussian")	SEFLESHIt164	SEFLESMOt164	SEFLESNOt164
SEFLESMOt165<-ES(datSEFLretOUTSAt165$rev.SEFLretOUTSAt165, p=0.975, method="modified")	SEFLESNOt165<-ES(datSEFLretOUTSAt165$rev.SEFLretOUTSAt165, p=0.975, method="gaussian")	SEFLESHIt165	SEFLESMOt165	SEFLESNOt165
SEFLESMOt166<-ES(datSEFLretOUTSAt166$rev.SEFLretOUTSAt166, p=0.975, method="modified")	SEFLESNOt166<-ES(datSEFLretOUTSAt166$rev.SEFLretOUTSAt166, p=0.975, method="gaussian")	SEFLESHIt166	SEFLESMOt166	SEFLESNOt166
SEFLESMOt167<-ES(datSEFLretOUTSAt167$rev.SEFLretOUTSAt167, p=0.975, method="modified")	SEFLESNOt167<-ES(datSEFLretOUTSAt167$rev.SEFLretOUTSAt167, p=0.975, method="gaussian")	SEFLESHIt167	SEFLESMOt167	SEFLESNOt167
SEFLESMOt168<-ES(datSEFLretOUTSAt168$rev.SEFLretOUTSAt168, p=0.975, method="modified")	SEFLESNOt168<-ES(datSEFLretOUTSAt168$rev.SEFLretOUTSAt168, p=0.975, method="gaussian")	SEFLESHIt168	SEFLESMOt168	SEFLESNOt168
SEFLESMOt169<-ES(datSEFLretOUTSAt169$rev.SEFLretOUTSAt169, p=0.975, method="modified")	SEFLESNOt169<-ES(datSEFLretOUTSAt169$rev.SEFLretOUTSAt169, p=0.975, method="gaussian")	SEFLESHIt169	SEFLESMOt169	SEFLESNOt169
SEFLESMOt170<-ES(datSEFLretOUTSAt170$rev.SEFLretOUTSAt170, p=0.975, method="modified")	SEFLESNOt170<-ES(datSEFLretOUTSAt170$rev.SEFLretOUTSAt170, p=0.975, method="gaussian")	SEFLESHIt170	SEFLESMOt170	SEFLESNOt170
SEFLESMOt171<-ES(datSEFLretOUTSAt171$rev.SEFLretOUTSAt171, p=0.975, method="modified")	SEFLESNOt171<-ES(datSEFLretOUTSAt171$rev.SEFLretOUTSAt171, p=0.975, method="gaussian")	SEFLESHIt171	SEFLESMOt171	SEFLESNOt171
SEFLESMOt172<-ES(datSEFLretOUTSAt172$rev.SEFLretOUTSAt172, p=0.975, method="modified")	SEFLESNOt172<-ES(datSEFLretOUTSAt172$rev.SEFLretOUTSAt172, p=0.975, method="gaussian")	SEFLESHIt172	SEFLESMOt172	SEFLESNOt172
SEFLESMOt173<-ES(datSEFLretOUTSAt173$rev.SEFLretOUTSAt173, p=0.975, method="modified")	SEFLESNOt173<-ES(datSEFLretOUTSAt173$rev.SEFLretOUTSAt173, p=0.975, method="gaussian")	SEFLESHIt173	SEFLESMOt173	SEFLESNOt173
SEFLESMOt174<-ES(datSEFLretOUTSAt174$rev.SEFLretOUTSAt174, p=0.975, method="modified")	SEFLESNOt174<-ES(datSEFLretOUTSAt174$rev.SEFLretOUTSAt174, p=0.975, method="gaussian")	SEFLESHIt174	SEFLESMOt174	SEFLESNOt174
SEFLESMOt175<-ES(datSEFLretOUTSAt175$rev.SEFLretOUTSAt175, p=0.975, method="modified")	SEFLESNOt175<-ES(datSEFLretOUTSAt175$rev.SEFLretOUTSAt175, p=0.975, method="gaussian")	SEFLESHIt175	SEFLESMOt175	SEFLESNOt175
SEFLESMOt176<-ES(datSEFLretOUTSAt176$rev.SEFLretOUTSAt176, p=0.975, method="modified")	SEFLESNOt176<-ES(datSEFLretOUTSAt176$rev.SEFLretOUTSAt176, p=0.975, method="gaussian")	SEFLESHIt176	SEFLESMOt176	SEFLESNOt176
SEFLESMOt177<-ES(datSEFLretOUTSAt177$rev.SEFLretOUTSAt177, p=0.975, method="modified")	SEFLESNOt177<-ES(datSEFLretOUTSAt177$rev.SEFLretOUTSAt177, p=0.975, method="gaussian")	SEFLESHIt177	SEFLESMOt177	SEFLESNOt177
SEFLESMOt178<-ES(datSEFLretOUTSAt178$rev.SEFLretOUTSAt178, p=0.975, method="modified")	SEFLESNOt178<-ES(datSEFLretOUTSAt178$rev.SEFLretOUTSAt178, p=0.975, method="gaussian")	SEFLESHIt178	SEFLESMOt178	SEFLESNOt178
SEFLESMOt179<-ES(datSEFLretOUTSAt179$rev.SEFLretOUTSAt179, p=0.975, method="modified")	SEFLESNOt179<-ES(datSEFLretOUTSAt179$rev.SEFLretOUTSAt179, p=0.975, method="gaussian")	SEFLESHIt179	SEFLESMOt179	SEFLESNOt179
SEFLESMOt180<-ES(datSEFLretOUTSAt180$rev.SEFLretOUTSAt180, p=0.975, method="modified")	SEFLESNOt180<-ES(datSEFLretOUTSAt180$rev.SEFLretOUTSAt180, p=0.975, method="gaussian")	SEFLESHIt180	SEFLESMOt180	SEFLESNOt180
SEFLESMOt181<-ES(datSEFLretOUTSAt181$rev.SEFLretOUTSAt181, p=0.975, method="modified")	SEFLESNOt181<-ES(datSEFLretOUTSAt181$rev.SEFLretOUTSAt181, p=0.975, method="gaussian")	SEFLESHIt181	SEFLESMOt181	SEFLESNOt181
SEUTESMOt1<-ES(datSEUTretOUTSAt1$rev.SEUTretOUTSAt1, p=0.975, method="modified")	SEUTESNOt1<-ES(datSEUTretOUTSAt1$rev.SEUTretOUTSAt1, p=0.975, method="gaussian")	SEUTESHIt1	SEUTESMOt1	SEUTESNOt1
SEUTESMOt2<-ES(datSEUTretOUTSAt2$rev.SEUTretOUTSAt2, p=0.975, method="modified")	SEUTESNOt2<-ES(datSEUTretOUTSAt2$rev.SEUTretOUTSAt2, p=0.975, method="gaussian")	SEUTESHIt2	SEUTESMOt2	SEUTESNOt2
SEUTESMOt3<-ES(datSEUTretOUTSAt3$rev.SEUTretOUTSAt3, p=0.975, method="modified")	SEUTESNOt3<-ES(datSEUTretOUTSAt3$rev.SEUTretOUTSAt3, p=0.975, method="gaussian")	SEUTESHIt3	SEUTESMOt3	SEUTESNOt3

SEUTESMOt79<-ES(datSEUTretOUTSAt79$rev.SEUTretOUTSAt79, p=0.975, method="modified")	SEUTESNOt79<-ES(datSEUTretOUTSAt79$rev.SEUTretOUTSAt79, p=0.975, method="gaussian")	SEUTESHIt79	SEUTESMDt79	SEUTESNDt79
SEUTESMOt80<-ES(datSEUTretOUTSAt80$rev.SEUTretOUTSAt80, p=0.975, method="modified")	SEUTESNOt80<-ES(datSEUTretOUTSAt80$rev.SEUTretOUTSAt80, p=0.975, method="gaussian")	SEUTESHIt80	SEUTESMDt80	SEUTESNDt80
SEUTESMOt81<-ES(datSEUTretOUTSAt81$rev.SEUTretOUTSAt81, p=0.975, method="modified")	SEUTESNOt81<-ES(datSEUTretOUTSAt81$rev.SEUTretOUTSAt81, p=0.975, method="gaussian")	SEUTESHIt81	SEUTESMDt81	SEUTESNDt81
SEUTESMOt82<-ES(datSEUTretOUTSAt82$rev.SEUTretOUTSAt82, p=0.975, method="modified")	SEUTESNOt82<-ES(datSEUTretOUTSAt82$rev.SEUTretOUTSAt82, p=0.975, method="gaussian")	SEUTESHIt82	SEUTESMDt82	SEUTESNDt82
SEUTESMOt83<-ES(datSEUTretOUTSAt83$rev.SEUTretOUTSAt83, p=0.975, method="modified")	SEUTESNOt83<-ES(datSEUTretOUTSAt83$rev.SEUTretOUTSAt83, p=0.975, method="gaussian")	SEUTESHIt83	SEUTESMDt83	SEUTESNDt83
SEUTESMOt84<-ES(datSEUTretOUTSAt84$rev.SEUTretOUTSAt84, p=0.975, method="modified")	SEUTESNOt84<-ES(datSEUTretOUTSAt84$rev.SEUTretOUTSAt84, p=0.975, method="gaussian")	SEUTESHIt84	SEUTESMDt84	SEUTESNDt84
SEUTESMOt85<-ES(datSEUTretOUTSAt85$rev.SEUTretOUTSAt85, p=0.975, method="modified")	SEUTESNOt85<-ES(datSEUTretOUTSAt85$rev.SEUTretOUTSAt85, p=0.975, method="gaussian")	SEUTESHIt85	SEUTESMDt85	SEUTESNDt85
SEUTESMOt86<-ES(datSEUTretOUTSAt86$rev.SEUTretOUTSAt86, p=0.975, method="modified")	SEUTESNOt86<-ES(datSEUTretOUTSAt86$rev.SEUTretOUTSAt86, p=0.975, method="gaussian")	SEUTESHIt86	SEUTESMDt86	SEUTESNDt86
SEUTESMOt87<-ES(datSEUTretOUTSAt87$rev.SEUTretOUTSAt87, p=0.975, method="modified")	SEUTESNOt87<-ES(datSEUTretOUTSAt87$rev.SEUTretOUTSAt87, p=0.975, method="gaussian")	SEUTESHIt87	SEUTESMDt87	SEUTESNDt87
SEUTESMOt88<-ES(datSEUTretOUTSAt88$rev.SEUTretOUTSAt88, p=0.975, method="modified")	SEUTESNOt88<-ES(datSEUTretOUTSAt88$rev.SEUTretOUTSAt88, p=0.975, method="gaussian")	SEUTESHIt88	SEUTESMDt88	SEUTESNDt88
SEUTESMOt89<-ES(datSEUTretOUTSAt89$rev.SEUTretOUTSAt89, p=0.975, method="modified")	SEUTESNOt89<-ES(datSEUTretOUTSAt89$rev.SEUTretOUTSAt89, p=0.975, method="gaussian")	SEUTESHIt89	SEUTESMDt89	SEUTESNDt89
SEUTESMOt90<-ES(datSEUTretOUTSAt90$rev.SEUTretOUTSAt90, p=0.975, method="modified")	SEUTESNOt90<-ES(datSEUTretOUTSAt90$rev.SEUTretOUTSAt90, p=0.975, method="gaussian")	SEUTESHIt90	SEUTESMDt90	SEUTESNDt90
SEUTESMOt91<-ES(datSEUTretOUTSAt91$rev.SEUTretOUTSAt91, p=0.975, method="modified")	SEUTESNOt91<-ES(datSEUTretOUTSAt91$rev.SEUTretOUTSAt91, p=0.975, method="gaussian")	SEUTESHIt91	SEUTESMDt91	SEUTESNDt91
SEUTESMOt92<-ES(datSEUTretOUTSAt92$rev.SEUTretOUTSAt92, p=0.975, method="modified")	SEUTESNOt92<-ES(datSEUTretOUTSAt92$rev.SEUTretOUTSAt92, p=0.975, method="gaussian")	SEUTESHIt92	SEUTESMDt92	SEUTESNDt92
SEUTESMOt93<-ES(datSEUTretOUTSAt93$rev.SEUTretOUTSAt93, p=0.975, method="modified")	SEUTESNOt93<-ES(datSEUTretOUTSAt93$rev.SEUTretOUTSAt93, p=0.975, method="gaussian")	SEUTESHIt93	SEUTESMDt93	SEUTESNDt93
SEUTESMOt94<-ES(datSEUTretOUTSAt94$rev.SEUTretOUTSAt94, p=0.975, method="modified")	SEUTESNOt94<-ES(datSEUTretOUTSAt94$rev.SEUTretOUTSAt94, p=0.975, method="gaussian")	SEUTESHIt94	SEUTESMDt94	SEUTESNDt94
SEUTESMOt95<-ES(datSEUTretOUTSAt95$rev.SEUTretOUTSAt95, p=0.975, method="modified")	SEUTESNOt95<-ES(datSEUTretOUTSAt95$rev.SEUTretOUTSAt95, p=0.975, method="gaussian")	SEUTESHIt95	SEUTESMDt95	SEUTESNDt95
SEUTESMOt96<-ES(datSEUTretOUTSAt96$rev.SEUTretOUTSAt96, p=0.975, method="modified")	SEUTESNOt96<-ES(datSEUTretOUTSAt96$rev.SEUTretOUTSAt96, p=0.975, method="gaussian")	SEUTESHIt96	SEUTESMDt96	SEUTESNDt96
SEUTESMOt97<-ES(datSEUTretOUTSAt97$rev.SEUTretOUTSAt97, p=0.975, method="modified")	SEUTESNOt97<-ES(datSEUTretOUTSAt97$rev.SEUTretOUTSAt97, p=0.975, method="gaussian")	SEUTESHIt97	SEUTESMDt97	SEUTESNDt97
SEUTESMOt98<-ES(datSEUTretOUTSAt98$rev.SEUTretOUTSAt98, p=0.975, method="modified")	SEUTESNOt98<-ES(datSEUTretOUTSAt98$rev.SEUTretOUTSAt98, p=0.975, method="gaussian")	SEUTESHIt98	SEUTESMDt98	SEUTESNDt98
SEUTESMOt99<-ES(datSEUTretOUTSAt99$rev.SEUTretOUTSAt99, p=0.975, method="modified")	SEUTESNOt99<-ES(datSEUTretOUTSAt99$rev.SEUTretOUTSAt99, p=0.975, method="gaussian")	SEUTESHIt99	SEUTESMDt99	SEUTESNDt99
SEUTESMOt100<-ES(datSEUTretOUTSAt100$rev.SEUTretOUTSAt100, p=0.975, method="modified")	SEUTESNOt100<-ES(datSEUTretOUTSAt100$rev.SEUTretOUTSAt100, p=0.975, method="gaussian")	SEUTESHIt100	SEUTESMDt100	SEUTESNDt100
SEUTESMOt101<-ES(datSEUTretOUTSAt101$rev.SEUTretOUTSAt101, p=0.975, method="modified")	SEUTESNOt101<-ES(datSEUTretOUTSAt101$rev.SEUTretOUTSAt101, p=0.975, method="gaussian")	SEUTESHIt101	SEUTESMDt101	SEUTESNDt101
SEUTESMOt102<-ES(datSEUTretOUTSAt102$rev.SEUTretOUTSAt102, p=0.975, method="modified")	SEUTESNOt102<-ES(datSEUTretOUTSAt102$rev.SEUTretOUTSAt102, p=0.975, method="gaussian")	SEUTESHIt102	SEUTESMDt102	SEUTESNDt102
SEUTESMOt103<-ES(datSEUTretOUTSAt103$rev.SEUTretOUTSAt103, p=0.975, method="modified")	SEUTESNOt103<-ES(datSEUTretOUTSAt103$rev.SEUTretOUTSAt103, p=0.975, method="gaussian")	SEUTESHIt103	SEUTESMDt103	SEUTESNDt103
SEUTESMOt104<-ES(datSEUTretOUTSAt104$rev.SEUTretOUTSAt104, p=0.975, method="modified")	SEUTESNOt104<-ES(datSEUTretOUTSAt104$rev.SEUTretOUTSAt104, p=0.975, method="gaussian")	SEUTESHIt104	SEUTESMDt104	SEUTESNDt104
SEUTESMOt105<-ES(datSEUTretOUTSAt105$rev.SEUTretOUTSAt105, p=0.975, method="modified")	SEUTESNOt105<-ES(datSEUTretOUTSAt105$rev.SEUTretOUTSAt105, p=0.975, method="gaussian")	SEUTESHIt105	SEUTESMDt105	SEUTESNDt105
SEUTESMOt106<-ES(datSEUTretOUTSAt106$rev.SEUTretOUTSAt106, p=0.975, method="modified")	SEUTESNOt106<-ES(datSEUTretOUTSAt106$rev.SEUTretOUTSAt106, p=0.975, method="gaussian")	SEUTESHIt106	SEUTESMDt106	SEUTESNDt106
SEUTESMOt107<-ES(datSEUTretOUTSAt107$rev.SEUTretOUTSAt107, p=0.975, method="modified")	SEUTESNOt107<-ES(datSEUTretOUTSAt107$rev.SEUTretOUTSAt107, p=0.975, method="gaussian")	SEUTESHIt107	SEUTESMDt107	SEUTESNDt107
SEUTESMOt108<-ES(datSEUTretOUTSAt108$rev.SEUTretOUTSAt108, p=0.975, method="modified")	SEUTESNOt108<-ES(datSEUTretOUTSAt108$rev.SEUTretOUTSAt108, p=0.975, method="gaussian")	SEUTESHIt108	SEUTESMDt108	SEUTESNDt108
SEUTESMOt109<-ES(datSEUTretOUTSAt109$rev.SEUTretOUTSAt109, p=0.975, method="modified")	SEUTESNOt109<-ES(datSEUTretOUTSAt109$rev.SEUTretOUTSAt109, p=0.975, method="gaussian")	SEUTESHIt109	SEUTESMDt109	SEUTESNDt109
SEUTESMOt110<-ES(datSEUTretOUTSAt110$rev.SEUTretOUTSAt110, p=0.975, method="modified")	SEUTESNOt110<-ES(datSEUTretOUTSAt110$rev.SEUTretOUTSAt110, p=0.975, method="gaussian")	SEUTESHIt110	SEUTESMDt110	SEUTESNDt110
SEUTESMOt111<-ES(datSEUTretOUTSAt111$rev.SEUTretOUTSAt111, p=0.975, method="modified")	SEUTESNOt111<-ES(datSEUTretOUTSAt111$rev.SEUTretOUTSAt111, p=0.975, method="gaussian")	SEUTESHIt111	SEUTESMDt111	SEUTESNDt111
SEUTESMOt112<-ES(datSEUTretOUTSAt112$rev.SEUTretOUTSAt112, p=0.975, method="modified")	SEUTESNOt112<-ES(datSEUTretOUTSAt112$rev.SEUTretOUTSAt112, p=0.975, method="gaussian")	SEUTESHIt112	SEUTESMDt112	SEUTESNDt112
SEUTESMOt113<-ES(datSEUTretOUTSAt113$rev.SEUTretOUTSAt113, p=0.975, method="modified")	SEUTESNOt113<-ES(datSEUTretOUTSAt113$rev.SEUTretOUTSAt113, p=0.975, method="gaussian")	SEUTESHIt113	SEUTESMDt113	SEUTESNDt113
SEUTESMOt114<-ES(datSEUTretOUTSAt114$rev.SEUTretOUTSAt114, p=0.975, method="modified")	SEUTESNOt114<-ES(datSEUTretOUTSAt114$rev.SEUTretOUTSAt114, p=0.975, method="gaussian")	SEUTESHIt114	SEUTESMDt114	SEUTESNDt114
SEUTESMOt115<-ES(datSEUTretOUTSAt115$rev.SEUTretOUTSAt115, p=0.975, method="modified")	SEUTESNOt115<-ES(datSEUTretOUTSAt115$rev.SEUTretOUTSAt115, p=0.975, method="gaussian")	SEUTESHIt115	SEUTESMDt115	SEUTESNDt115
SEUTESMOt116<-ES(datSEUTretOUTSAt116$rev.SEUTretOUTSAt116, p=0.975, method="modified")	SEUTESNOt116<-ES(datSEUTretOUTSAt116$rev.SEUTretOUTSAt116, p=0.975, method="gaussian")	SEUTESHIt116	SEUTESMDt116	SEUTESNDt116
SEUTESMOt117<-ES(datSEUTretOUTSAt117$rev.SEUTretOUTSAt117, p=0.975, method="modified")	SEUTESNOt117<-ES(datSEUTretOUTSAt117$rev.SEUTretOUTSAt117, p=0.975, method="gaussian")	SEUTESHIt117	SEUTESMDt117	SEUTESNDt117
SEUTESMOt118<-ES(datSEUTretOUTSAt118$rev.SEUTretOUTSAt118, p=0.975, method="modified")	SEUTESNOt118<-ES(datSEUTretOUTSAt118$rev.SEUTretOUTSAt118, p=0.975, method="gaussian")	SEUTESHIt118	SEUTESMDt118	SEUTESNDt118
SEUTESMOt119<-ES(datSEUTretOUTSAt119$rev.SEUTretOUTSAt119, p=0.975, method="modified")	SEUTESNOt119<-ES(datSEUTretOUTSAt119$rev.SEUTretOUTSAt119, p=0.975, method="gaussian")	SEUTESHIt119	SEUTESMDt119	SEUTESNDt119
SEUTESMOt120<-ES(datSEUTretOUTSAt120$rev.SEUTretOUTSAt120, p=0.975, method="modified")	SEUTESNOt120<-ES(datSEUTretOUTSAt120$rev.SEUTretOUTSAt120, p=0.975, method="gaussian")	SEUTESHIt120	SEUTESMDt120	SEUTESNDt120
SEUTESMOt121<-ES(datSEUTretOUTSAt121$rev.SEUTretOUTSAt121, p=0.975, method="modified")	SEUTESNOt121<-ES(datSEUTretOUTSAt121$rev.SEUTretOUTSAt121, p=0.975, method="gaussian")	SEUTESHIt121	SEUTESMDt121	SEUTESNDt121
SEUTESMOt122<-ES(datSEUTretOUTSAt122$rev.SEUTretOUTSAt122, p=0.975, method="modified")	SEUTESNOt122<-ES(datSEUTretOUTSAt122$rev.SEUTretOUTSAt122, p=0.975, method="gaussian")	SEUTESHIt122	SEUTESMDt122	SEUTESNDt122
SEUTESMOt123<-ES(datSEUTretOUTSAt123$rev.SEUTretOUTSAt123, p=0.975, method="modified")	SEUTESNOt123<-ES(datSEUTretOUTSAt123$rev.SEUTretOUTSAt123, p=0.975, method="gaussian")	SEUTESHIt123	SEUTESMDt123	SEUTESNDt123
SEUTESMOt124<-ES(datSEUTretOUTSAt124$rev.SEUTretOUTSAt124, p=0.975, method="modified")	SEUTESNOt124<-ES(datSEUTretOUTSAt124$rev.SEUTretOUTSAt124, p=0.975, method="gaussian")	SEUTESHIt124	SEUTESMDt124	SEUTESNDt124
SEUTESMOt125<-ES(datSEUTretOUTSAt125$rev.SEUTretOUTSAt125, p=0.975, method="modified")	SEUTESNOt125<-ES(datSEUTretOUTSAt125$rev.SEUTretOUTSAt125, p=0.975, method="gaussian")	SEUTESHIt125	SEUTESMDt125	SEUTESNDt125
SEUTESMOt126<-ES(datSEUTretOUTSAt126$rev.SEUTretOUTSAt126, p=0.975, method="modified")	SEUTESNOt126<-ES(datSEUTretOUTSAt126$rev.SEUTretOUTSAt126, p=0.975, method="gaussian")	SEUTESHIt126	SEUTESMDt126	SEUTESNDt126
SEUTESMOt127<-ES(datSEUTretOUTSAt127$rev.SEUTretOUTSAt127, p=0.975, method="modified")	SEUTESNOt127<-ES(datSEUTretOUTSAt127$rev.SEUTretOUTSAt127, p=0.975, method="gaussian")	SEUTESHIt127	SEUTESMDt127	SEUTESNDt127
SEUTESMOt128<-ES(datSEUTretOUTSAt128$rev.SEUTretOUTSAt128, p=0.975, method="modified")	SEUTESNOt128<-ES(datSEUTretOUTSAt128$rev.SEUTretOUTSAt128, p=0.975, method="gaussian")	SEUTESHIt128	SEUTESMDt128	SEUTESNDt128
SEUTESMOt129<-ES(datSEUTretOUTSAt129$rev.SEUTretOUTSAt129, p=0.975, method="modified")	SEUTESNOt129<-ES(datSEUTretOUTSAt129$rev.SEUTretOUTSAt129, p=0.975, method="gaussian")	SEUTESHIt129	SEUTESMDt129	SEUTESNDt129
SEUTESMOt130<-ES(datSEUTretOUTSAt130$rev.SEUTretOUTSAt130, p=0.975, method="modified")	SEUTESNOt130<-ES(datSEUTretOUTSAt130$rev.SEUTretOUTSAt130, p=0.975, method="gaussian")	SEUTESHIt130	SEUTESMDt130	SEUTESNDt130
SEUTESMOt131<-ES(datSEUTretOUTSAt131$rev.SEUTretOUTSAt131, p=0.975, method="modified")	SEUTESNOt131<-ES(datSEUTretOUTSAt131$rev.SEUTretOUTSAt131, p=0.975, method="gaussian")	SEUTESHIt131	SEUTESMDt131	SEUTESNDt131
SEUTESMOt132<-ES(datSEUTretOUTSAt132$rev.SEUTretOUTSAt132, p=0.975, method="modified")	SEUTESNOt132<-ES(datSEUTretOUTSAt132$rev.SEUTretOUTSAt132, p=0.975, method="gaussian")	SEUTESHIt132	SEUTESMDt132	SEUTESNDt132
SEUTESMOt133<-ES(datSEUTretOUTSAt133$rev.SEUTretOUTSAt133, p=0.975, method="modified")	SEUTESNOt133<-ES(datSEUTretOUTSAt133$rev.SEUTretOUTSAt133, p=0.975, method="gaussian")	SEUTESHIt133	SEUTESMDt133	SEUTESNDt133
SEUTESMOt134<-ES(datSEUTretOUTSAt134$rev.SEUTretOUTSAt134, p=0.975, method="modified")	SEUTESNOt134<-ES(datSEUTretOUTSAt134$rev.SEUTretOUTSAt134, p=0.975, method="gaussian")	SEUTESHIt134	SEUTESMDt134	SEUTESNDt134
SEUTESMOt135<-ES(datSEUTretOUTSAt135$rev.SEUTretOUTSAt135, p=0.975, method="modified")	SEUTESNOt135<-ES(datSEUTretOUTSAt135$rev.SEUTretOUTSAt135, p=0.975, method="gaussian")	SEUTESHIt135	SEUTESMDt135	SEUTESNDt135
SEUTESMOt136<-ES(datSEUTretOUTSAt136$rev.SEUTretOUTSAt136, p=0.975, method="modified")	SEUTESNOt136<-ES(datSEUTretOUTSAt136$rev.SEUTretOUTSAt136, p=0.975, method="gaussian")	SEUTESHIt136	SEUTESMDt136	SEUTESNDt136
SEUTESMOt137<-ES(datSEUTretOUTSAt137$rev.SEUTretOUTSAt137, p=0.975, method="modified")	SEUTESNOt137<-ES(datSEUTretOUTSAt137$rev.SEUTretOUTSAt137, p=0.975, method="gaussian")	SEUTESHIt137	SEUTESMDt137	SEUTESNDt137
SEUTESMOt138<-ES(datSEUTretOUTSAt138$rev.SEUTretOUTSAt138, p=0.975, method="modified")	SEUTESNOt138<-ES(datSEUTretOUTSAt138$rev.SEUTretOUTSAt138, p=0.975, method="gaussian")	SEUTESHIt138	SEUTESMDt138	SEUTESNDt138
SEUTESMOt139<-ES(datSEUTretOUTSAt139$rev.SEUTretOUTSAt139, p=0.975, method="modified")	SEUTESNOt139<-ES(datSEUTretOUTSAt139$rev.SEUTretOUTSAt139, p=0.975, method="gaussian")	SEUTESHIt139	SEUTESMDt139	SEUTESNDt139
SEUTESMOt140<-ES(datSEUTretOUTSAt140$rev.SEUTretOUTSAt140, p=0.975, method="modified")	SEUTESNOt140<-ES(datSEUTretOUTSAt140$rev.SEUTretOUTSAt140, p=0.975, method="gaussian")	SEUTESHIt140	SEUTESMDt140	SEUTESNDt140
SEUTESMOt141<-ES(datSEUTretOUTSAt141$rev.SEUTretOUTSAt141, p=0.975, method="modified")	SEUTESNOt141<-ES(datSEUTretOUTSAt141$rev.SEUTretOUTSAt141, p=0.975, method="gaussian")	SEUTESHIt141	SEUTESMDt141	SEUTESNDt141
SEUTESMOt142<-ES(datSEUTretOUTSAt142$rev.SEUTretOUTSAt142, p=0.975, method="modified")	SEUTESNOt142<-ES(datSEUTretOUTSAt142$rev.SEUTretOUTSAt142, p=0.975, method="gaussian")	SEUTESHIt142	SEUTESMDt142	SEUTESNDt142
SEUTESMOt143<-ES(datSEUTretOUTSAt143$rev.SEUTretOUTSAt143, p=0.975, method="modified")	SEUTESNOt143<-ES(datSEUTretOUTSAt143$rev.SEUTretOUTSAt143, p=0.975, method="gaussian")	SEUTESHIt143	SEUTESMDt143	SEUTESNDt143
SEUTESMOt144<-ES(datSEUTretOUTSAt144$rev.SEUTretOUTSAt144, p=0.975, method="modified")	SEUTESNOt144<-ES(datSEUTretOUTSAt144$rev.SEUTretOUTSAt144, p=0.975, method="gaussian")	SEUTESHIt144	SEUTESMDt144	SEUTESNDt144
SEUTESMOt145<-ES(datSEUTretOUTSAt145$rev.SEUTretOUTSAt145, p=0.975, method="modified")	SEUTESNOt145<-ES(datSEUTretOUTSAt145$rev.SEUTretOUTSAt145, p=0.975, method="gaussian")	SEUTESHIt145	SEUTESMDt145	SEUTESNDt145
SEUTESMOt146<-ES(datSEUTretOUTSAt146$rev.SEUTretOUTSAt146, p=0.975, method="modified")	SEUTESNOt146<-ES(datSEUTretOUTSAt146$rev.SEUTretOUTSAt146, p=0.975, method="gaussian")	SEUTESHIt146	SEUTESMDt146	SEUTESNDt146
SEUTESMOt147<-ES(datSEUTretOUTSAt147$rev.SEUTretOUTSAt147, p=0.975, method="modified")	SEUTESNOt147<-ES(datSEUTretOUTSAt147$rev.SEUTretOUTSAt147, p=0.975, method="gaussian")	SEUTESHIt147	SEUTESMDt147	SEUTESNDt147
SEUTESMOt148<-ES(datSEUTretOUTSAt148$rev.SEUTretOUTSAt148, p=0.975, method="modified")	SEUTESNOt148<-ES(datSEUTretOUTSAt148$rev.SEUTretOUTSAt148, p=0.975, method="gaussian")	SEUTESHIt148	SEUTESMDt148	SEUTESNDt148
SEUTESMOt149<-ES(datSEUTretOUTSAt149$rev.SEUTretOUTSAt149, p=0.975, method="modified")	SEUTESNOt149<-ES(datSEUTretOUTSAt149$rev.SEUTretOUTSAt149, p=0.975, method="gaussian")	SEUTESHIt149	SEUTESMDt149	SEUTESNDt149
SEUTESMOt150<-ES(datSEUTretOUTSAt150$rev.SEUTretOUTSAt150, p=0.975, method="modified")	SEUTESNOt150<-ES(datSEUTretOUTSAt150$rev.SEUTretOUTSAt150, p=0.975, method="gaussian")	SEUTESHIt150	SEUTESMDt150	SEUTESNDt150
SEUTESMOt151<-ES(datSEUTretOUTSAt151$rev.SEUTretOUTSAt151, p=0.975, method="modified")	SEUTESNOt151<-ES(datSEUTretOUTSAt151$rev.SEUTretOUTSAt151, p=0.975, method="gaussian")	SEUTESHIt151	SEUTESMDt151	SEUTESNDt151
SEUTESMOt152<-ES(datSEUTretOUTSAt152$rev.SEUTretOUTSAt152, p=0.975, method="modified")	SEUTESNOt152<-ES(datSEUTretOUTSAt152$rev.SEUTretOUTSAt152, p=0.975, method="gaussian")	SEUTESHIt152	SEUTESMDt152	SEUTESNDt152
SEUTESMOt153<-ES(datSEUTretOUTSAt153$rev.SEUTretOUTSAt153, p=0.975, method="modified")	SEUTESNOt153<-ES(datSEUTretOUTSAt153$rev.SEUTretOUTSAt153, p=0.975, method="gaussian")	SEUTESHIt153	SEUTESMDt153	SEUTESNDt153
SEUTESMOt154<-ES(datSEUTretOUTSAt154$rev.SEUTretOUTSAt154, p=0.975, method="modified")	SEUTESNOt154<-ES(datSEUTretOUTSAt154$rev.SEUTretOUTSAt154, p=0.975, method="gaussian")	SEUTESHIt154	SEUTESMDt154	SEUTESNDt154
SEUTESMOt155<-ES(datSEUTretOUTSAt155$rev.SEUTretOUTSAt155, p=0.975, method="modified")	SEUTESNOt155<-ES(datSEUTretOUTSAt155$rev.SEUTretOUTSAt155, p=0.975, method="gaussian")	SEUTESHIt155	SEUTESMDt155	SEUTESNDt155
SEUTESMOt156<-ES(datSEUTretOUTSAt156$rev.SEUTretOUTSAt156, p=0.975, method="modified")	SEUTESNOt156<-ES(datSEUTretOUTSAt156$rev.SEUTretOUTSAt156, p=0.975, method="gaussian")	SEUTESHIt156	SEUTESMDt156	SEUTESNDt156
SEUTESMOt157<-ES(datSEUTretOUTSAt157$rev.SEUTretOUTSAt157, p=0.975, method="modified")	SEUTESNOt157<-ES(datSEUTretOUTSAt157$rev.SEUTretOUTSAt157, p=0.975, method="gaussian")	SEUTESHIt157	SEUTESMDt157	SEUTESNDt157
SEUTESMOt158<-ES(datSEUTretOUTSAt158$rev.SEUTretOUTSAt158, p=0.975, method="modified")	SEUTESNOt158<-ES(datSEUTretOUTSAt158$rev.SEUTretOUTSAt158, p=0.975, method="gaussian")	SEUTESHIt158	SEUTESMDt158	SEUTESNDt158
SEUTESMOt159<-ES(datSEUTretOUTSAt159$rev.SEUTretOUTSAt159, p=0.975, method="modified")	SEUTESNOt159<-ES(datSEUTretOUTSAt159$rev.SEUTretOUTSAt159, p=0.975, method="gaussian")	SEUTESHIt159	SEUTESMDt159	SEUTESNDt159
SEUTESMOt160<-ES(datSEUTretOUTSAt160$rev.SEUTretOUTSAt160, p=0.975, method="modified")	SEUTESNOt160<-ES(datSEUTretOUTSAt160$rev.SEUTretOUTSAt160, p=0.975, method="gaussian")	SEUTESHIt160	SEUTESMDt160	SEUTESNDt160
SEUTESMOt161<-ES(datSEUTretOUTSAt161$rev.SEUTretOUTSAt161, p=0.975, method="modified")	SEUTESNOt161<-ES(datSEUTretOUTSAt161$rev.SEUTretOUTSAt161, p=0.975, method="gaussian")	SEUTESHIt161	SEUTESMDt161	SEUTESNDt161
SEUTESMOt162<-ES(datSEUTretOUTSAt162$rev.SEUTretOUTSAt162, p=0.975, method="modified")	SEUTESNOt162<-ES(datSEUTretOUTSAt162$rev.SEUTretOUTSAt162, p=0.975, method="gaussian")	SEUTESHIt162	SEUTESMDt162	SEUTESNDt162
SEUTESMOt163<-ES(datSEUTretOUTSAt163$rev.SEUTretOUTSAt163, p=0.975, method="modified")	SEUTESNOt163<-ES(datSEUTretOUTSAt163$rev.SEUTretOUTSAt163, p=0.975, method="gaussian")	SEUTESHIt163	SEUTESMDt163	SEUTESNDt163
SEUTESMOt164<-ES(datSEUTretOUTSAt164$rev.SEUTretOUTSAt164, p=0.975, method="modified")	SEUTESNOt164<-ES(datSEUTretOUTSAt164$rev.SEUTretOUTSAt164, p=0.975, method="gaussian")	SEUTESHIt164	SEUTESMDt164	SEUTESNDt164
SEUTESMOt165<-ES(datSEUTretOUTSAt165$rev.SEUTretOUTSAt165, p=0.975, method="modified")	SEUTESNOt165<-ES(datSEUTretOUTSAt165$rev.SEUTretOUTSAt165, p=0.975, method="gaussian")	SEUTESHIt165	SEUTESMDt165	SEUTESNDt165
SEUTESMOt166<-ES(datSEUTretOUTSAt166$rev.SEUTretOUTSAt166, p=0.975, method="modified")	SEUTESNOt166<-ES(datSEUTretOUTSAt166$rev.SEUTretOUTSAt166, p=0.975, method="gaussian")	SEUTESHIt166	SEUTESMDt166	SEUTESNDt166
SEUTESMOt167<-ES(datSEUTretOUTSAt167$rev.SEUTretOUTSAt167, p=0.975, method="modified")	SEUTESNOt167<-ES(datSEUTretOUTSAt167$rev.SEUTretOUTSAt167, p=0.975, method="gaussian")	SEUTESHIt167	SEUTESMDt167	SEUTESNDt167
SEUTESMOt168<-ES(datSEUTretOUTSAt168$rev.SEUTretOUTSAt168, p=0.975, method="modified")	SEUTESNOt168<-ES(datSEUTretOUTSAt168$rev.SEUTretOUTSAt168, p=0.975, method="gaussian")	SEUTESHIt168	SEUTESMDt168	SEUTESNDt168
SEUTESMOt169<-ES(datSEUTretOUTSAt169$rev.SEUTretOUTSAt169, p=0.975, method="modified")	SEUTESNOt169<-ES(datSEUTretOUTSAt169$rev.SEUTretOUTSAt169, p=0.975, method="gaussian")	SEUTESHIt169	SEUTESMDt169	SEUTESNDt169
SEUTESMOt170<-ES(datSEUTretOUTSAt170$rev.SEUTretOUTSAt170, p=0.975, method="modified")	SEUTESNOt170<-ES(datSEUTretOUTSAt170$rev.SEUTretOUTSAt170, p=0.975, method="gaussian")	SEUTESHIt170	SEUTESMDt170	SEUTESNDt170
SEUTESMOt171<-ES(datSEUTretOUTSAt171$rev.SEUTretOUTSAt171, p=0.975, method="modified")	SEUTESNOt171<-ES(datSEUTretOUTSAt171$rev.SEUTretOUTSAt171, p=0.975, method="gaussian")	SEUTESHIt171	SEUTESMDt171	SEUTESNDt171
SEUTESMOt172<-ES(datSEUTretOUTSAt172$rev.SEUTretOUTSAt172, p=0.975, method="modified")	SEUTESNOt172<-ES(datSEUTretOUTSAt172$rev.SEUTretOUTSAt172, p=0.975, method="gaussian")	SEUTESHIt172	SEUTESMDt172	SEUTESNDt172
SEUTESMOt173<-ES(datSEUTretOUTSAt173$rev.SEUTretOUTSAt173, p=0.975, method="modified")	SEUTESNOt173<-ES(datSEUTretOUTSAt173$rev.SEUTretOUTSAt173, p=0.975, method="gaussian")	SEUTESHIt173	SEUTESMDt173	SEUTESNDt173
SEUTESMOt174<-ES(datSEUTretOUTSAt174$rev.SEUTretOUTSAt174, p=0.975, method="modified")	SEUTESNOt174<-ES(datSEUTretOUTSAt174$rev.SEUTretOUTSAt174, p=0.975, method="gaussian")	SEUTESHIt174	SEUTESMDt174	SEUTESNDt174
SEUTESMOt175<-ES(datSEUTretOUTSAt175$rev.SEUTretOUTSAt175, p=0.975, method="modified")	SEUTESNOt175<-ES(datSEUTretOUTSAt175$rev.SEUTretOUTSAt175, p=0.975, method="gaussian")	SEUTESHIt175	SEUTESMDt175	SEUTESNDt175
SEUTESMOt176<-ES(datSEUTretOUTSAt176$rev.SEUTretOUTSAt176, p=0.975, method="modified")	SEUTESNOt176<-ES(datSEUTretOUTSAt176$rev.SEUTretOUTSAt176, p=0.975, method="gaussian")	SEUTESHIt176	SEUTESMDt176	SEUTESNDt176
SEUTESMOt177<-ES(datSEUTretOUTSAt177$rev.SEUTretOUTSAt177, p=0.975, method="modified")	SEUTESNOt177<-ES(datSEUTretOUTSAt177$rev.SEUTretOUTSAt177, p=0.975, method="gaussian")	SEUTESHIt177	SEUTESMDt177	SEUTESNDt177
SEUTESMOt178<-ES(datSEUTretOUTSAt178$rev.SEUTretOUTSAt178, p=0.975, method="modified")	SEUTESNOt178<-ES(datSEUTretOUTSAt178$rev.SEUTretOUTSAt178, p=0.975, method="gaussian")	SEUTESHIt178	SEUTESMDt178	SEUTESNDt178
SEUTESMOt179<-ES(datSEUTretOUTSAt179$rev.SEUTretOUTSAt179, p=0.975, method="modified")	SEUTESNOt179<-ES(datSEUTretOUTSAt179$rev.SEUTretOUTSAt179, p=0.975, method="gaussian")	SEUTESHIt179	SEUTESMDt179	SEUTESNDt179
SEUTESMOt180<-ES(datSEUTretOUTSAt180$rev.SEUTretOUTSAt180, p=0.975, method="modified")	SEUTESNOt180<-ES(datSEUTretOUTSAt180$rev.SEUTretOUTSAt180, p=0.975, method="gaussian")	SEUTESHIt180	SEUTESMDt180	SEUTESNDt180
SEUTESMOt181<-ES(datSEUTretOUTSAt181$rev.SEUTretOUTSAt181, p=0.975, method="modified")	SEUTESNOt181<-ES(datSEUTretOUTSAt181$rev.SEUTretOUTSAt181, p=0.975, method="gaussian")	SEUTESHIt181	SEUTESMDt181	SEUTESNDt181
SETRESMOt1<-ES(datSETRretOUTSAt1$rev.SETRretOUTSAt1, p=0.975, method="modified")	SETRESNOt1<-ES(datSETRretOUTSAt1$rev.SETRretOUTSAt1, p=0.975, method="gaussian")	SETRESHIt1	SETRESMDt1	SETRESNDt1
SETRESMOt2<-ES(datSETRretOUTSAt2$rev.SETRretOUTSAt2, p=0.975, method="modified")	SETRESNOt2<-ES(datSETRretOUTSAt2$rev.SETRretOUTSAt2, p=0.975, method="gaussian")	SETRESHIt2	SETRESMDt2	SETRESNDt2
SETRESMOt3<-ES(datSETRretOUTSAt3$rev.SETRretOUTSAt3, p=0.975, method="modified")	SETRESNOt3<-ES(datSETRretOUTSAt3$rev.SETRretOUTSAt3, p=0.975, method="gaussian")	SETRESHIt3	SETRESMDt3	SETRESNDt3
SETRESMOt4<-ES(datSETRretOUTSAt4$rev.SETRretOUTSAt4, p=0.975, method="modified")	SETRESNOt4<-ES(datSETRretOUTSAt4$rev.SETRretOUTSAt4, p=0.975, method="gaussian")	SETRESHIt4	SETRESMDt4	SETRESNDt4
SETRESMOt5<-ES(datSETRretOUTSAt5$rev.SETRretOUTSAt5, p=0.975,

SETRESMDt25<-ES(datSETRretOUTSAt25$rev.SETRretOUTSAt25, p=0.975, method="modified")	SETRESNDt25<-ES(datSETRretOUTSAt25$rev.SETRretOUTSAt25, p=0.975, method="gaussian")	SETRESHIt25	SETRESMDt25	SETRESNDt25
SETRESMDt26<-ES(datSETRretOUTSAt26$rev.SETRretOUTSAt26, p=0.975, method="modified")	SETRESNDt26<-ES(datSETRretOUTSAt26$rev.SETRretOUTSAt26, p=0.975, method="gaussian")	SETRESHIt26	SETRESMDt26	SETRESNDt26
SETRESMDt27<-ES(datSETRretOUTSAt27$rev.SETRretOUTSAt27, p=0.975, method="modified")	SETRESNDt27<-ES(datSETRretOUTSAt27$rev.SETRretOUTSAt27, p=0.975, method="gaussian")	SETRESHIt27	SETRESMDt27	SETRESNDt27

SETRESMOt154<-ES(datSETRretOUTSAt154$rev.SETRretOUTSAt154, p=0.975, method="modified")	SETRESNOt154<-ES(datSETRretOUTSAt154$rev.SETRretOUTSAt154, p=0.975, method="gaussian")	SETRESHIt154	SETRESMOt154	SETRESNOt154
SETRESMOt155<-ES(datSETRretOUTSAt155$rev.SETRretOUTSAt155, p=0.975, method="modified")	SETRESNOt155<-ES(datSETRretOUTSAt155$rev.SETRretOUTSAt155, p=0.975, method="gaussian")	SETRESHIt155	SETRESMOt155	SETRESNOt155
SETRESMOt156<-ES(datSETRretOUTSAt156$rev.SETRretOUTSAt156, p=0.975, method="modified")	SETRESNOt156<-ES(datSETRretOUTSAt156$rev.SETRretOUTSAt156, p=0.975, method="gaussian")	SETRESHIt156	SETRESMOt156	SETRESNOt156
SETRESMOt157<-ES(datSETRretOUTSAt157$rev.SETRretOUTSAt157, p=0.975, method="modified")	SETRESNOt157<-ES(datSETRretOUTSAt157$rev.SETRretOUTSAt157, p=0.975, method="gaussian")	SETRESHIt157	SETRESMOt157	SETRESNOt157
SETRESMOt158<-ES(datSETRretOUTSAt158$rev.SETRretOUTSAt158, p=0.975, method="modified")	SETRESNOt158<-ES(datSETRretOUTSAt158$rev.SETRretOUTSAt158, p=0.975, method="gaussian")	SETRESHIt158	SETRESMOt158	SETRESNOt158
SETRESMOt159<-ES(datSETRretOUTSAt159$rev.SETRretOUTSAt159, p=0.975, method="modified")	SETRESNOt159<-ES(datSETRretOUTSAt159$rev.SETRretOUTSAt159, p=0.975, method="gaussian")	SETRESHIt159	SETRESMOt159	SETRESNOt159
SETRESMOt160<-ES(datSETRretOUTSAt160$rev.SETRretOUTSAt160, p=0.975, method="modified")	SETRESNOt160<-ES(datSETRretOUTSAt160$rev.SETRretOUTSAt160, p=0.975, method="gaussian")	SETRESHIt160	SETRESMOt160	SETRESNOt160
SETRESMOt161<-ES(datSETRretOUTSAt161$rev.SETRretOUTSAt161, p=0.975, method="modified")	SETRESNOt161<-ES(datSETRretOUTSAt161$rev.SETRretOUTSAt161, p=0.975, method="gaussian")	SETRESHIt161	SETRESMOt161	SETRESNOt161
SETRESMOt162<-ES(datSETRretOUTSAt162$rev.SETRretOUTSAt162, p=0.975, method="modified")	SETRESNOt162<-ES(datSETRretOUTSAt162$rev.SETRretOUTSAt162, p=0.975, method="gaussian")	SETRESHIt162	SETRESMOt162	SETRESNOt162
SETRESMOt163<-ES(datSETRretOUTSAt163$rev.SETRretOUTSAt163, p=0.975, method="modified")	SETRESNOt163<-ES(datSETRretOUTSAt163$rev.SETRretOUTSAt163, p=0.975, method="gaussian")	SETRESHIt163	SETRESMOt163	SETRESNOt163
SETRESMOt164<-ES(datSETRretOUTSAt164$rev.SETRretOUTSAt164, p=0.975, method="modified")	SETRESNOt164<-ES(datSETRretOUTSAt164$rev.SETRretOUTSAt164, p=0.975, method="gaussian")	SETRESHIt164	SETRESMOt164	SETRESNOt164
SETRESMOt165<-ES(datSETRretOUTSAt165$rev.SETRretOUTSAt165, p=0.975, method="modified")	SETRESNOt165<-ES(datSETRretOUTSAt165$rev.SETRretOUTSAt165, p=0.975, method="gaussian")	SETRESHIt165	SETRESMOt165	SETRESNOt165
SETRESMOt166<-ES(datSETRretOUTSAt166$rev.SETRretOUTSAt166, p=0.975, method="modified")	SETRESNOt166<-ES(datSETRretOUTSAt166$rev.SETRretOUTSAt166, p=0.975, method="gaussian")	SETRESHIt166	SETRESMOt166	SETRESNOt166
SETRESMOt167<-ES(datSETRretOUTSAt167$rev.SETRretOUTSAt167, p=0.975, method="modified")	SETRESNOt167<-ES(datSETRretOUTSAt167$rev.SETRretOUTSAt167, p=0.975, method="gaussian")	SETRESHIt167	SETRESMOt167	SETRESNOt167
SETRESMOt168<-ES(datSETRretOUTSAt168$rev.SETRretOUTSAt168, p=0.975, method="modified")	SETRESNOt168<-ES(datSETRretOUTSAt168$rev.SETRretOUTSAt168, p=0.975, method="gaussian")	SETRESHIt168	SETRESMOt168	SETRESNOt168
SETRESMOt169<-ES(datSETRretOUTSAt169$rev.SETRretOUTSAt169, p=0.975, method="modified")	SETRESNOt169<-ES(datSETRretOUTSAt169$rev.SETRretOUTSAt169, p=0.975, method="gaussian")	SETRESHIt169	SETRESMOt169	SETRESNOt169
SETRESMOt170<-ES(datSETRretOUTSAt170$rev.SETRretOUTSAt170, p=0.975, method="modified")	SETRESNOt170<-ES(datSETRretOUTSAt170$rev.SETRretOUTSAt170, p=0.975, method="gaussian")	SETRESHIt170	SETRESMOt170	SETRESNOt170
SETRESMOt171<-ES(datSETRretOUTSAt171$rev.SETRretOUTSAt171, p=0.975, method="modified")	SETRESNOt171<-ES(datSETRretOUTSAt171$rev.SETRretOUTSAt171, p=0.975, method="gaussian")	SETRESHIt171	SETRESMOt171	SETRESNOt171
SETRESMOt172<-ES(datSETRretOUTSAt172$rev.SETRretOUTSAt172, p=0.975, method="modified")	SETRESNOt172<-ES(datSETRretOUTSAt172$rev.SETRretOUTSAt172, p=0.975, method="gaussian")	SETRESHIt172	SETRESMOt172	SETRESNOt172
SETRESMOt173<-ES(datSETRretOUTSAt173$rev.SETRretOUTSAt173, p=0.975, method="modified")	SETRESNOt173<-ES(datSETRretOUTSAt173$rev.SETRretOUTSAt173, p=0.975, method="gaussian")	SETRESHIt173	SETRESMOt173	SETRESNOt173
SETRESMOt174<-ES(datSETRretOUTSAt174$rev.SETRretOUTSAt174, p=0.975, method="modified")	SETRESNOt174<-ES(datSETRretOUTSAt174$rev.SETRretOUTSAt174, p=0.975, method="gaussian")	SETRESHIt174	SETRESMOt174	SETRESNOt174
SETRESMOt175<-ES(datSETRretOUTSAt175$rev.SETRretOUTSAt175, p=0.975, method="modified")	SETRESNOt175<-ES(datSETRretOUTSAt175$rev.SETRretOUTSAt175, p=0.975, method="gaussian")	SETRESHIt175	SETRESMOt175	SETRESNOt175
SETRESMOt176<-ES(datSETRretOUTSAt176$rev.SETRretOUTSAt176, p=0.975, method="modified")	SETRESNOt176<-ES(datSETRretOUTSAt176$rev.SETRretOUTSAt176, p=0.975, method="gaussian")	SETRESHIt176	SETRESMOt176	SETRESNOt176
SETRESMOt177<-ES(datSETRretOUTSAt177$rev.SETRretOUTSAt177, p=0.975, method="modified")	SETRESNOt177<-ES(datSETRretOUTSAt177$rev.SETRretOUTSAt177, p=0.975, method="gaussian")	SETRESHIt177	SETRESMOt177	SETRESNOt177
SETRESMOt178<-ES(datSETRretOUTSAt178$rev.SETRretOUTSAt178, p=0.975, method="modified")	SETRESNOt178<-ES(datSETRretOUTSAt178$rev.SETRretOUTSAt178, p=0.975, method="gaussian")	SETRESHIt178	SETRESMOt178	SETRESNOt178
SETRESMOt179<-ES(datSETRretOUTSAt179$rev.SETRretOUTSAt179, p=0.975, method="modified")	SETRESNOt179<-ES(datSETRretOUTSAt179$rev.SETRretOUTSAt179, p=0.975, method="gaussian")	SETRESHIt179	SETRESMOt179	SETRESNOt179
SETRESMOt180<-ES(datSETRretOUTSAt180$rev.SETRretOUTSAt180, p=0.975, method="modified")	SETRESNOt180<-ES(datSETRretOUTSAt180$rev.SETRretOUTSAt180, p=0.975, method="gaussian")	SETRESHIt180	SETRESMOt180	SETRESNOt180
SETRESMOt181<-ES(datSETRretOUTSAt181$rev.SETRretOUTSAt181, p=0.975, method="modified")	SETRESNOt181<-ES(datSETRretOUTSAt181$rev.SETRretOUTSAt181, p=0.975, method="gaussian")	SETRESHIt181	SETRESMOt181	SETRESNOt181
SEMOESMOt1<-ES(datSEMOretOUTSAt1$rev.SEMOretOUTSAt1, p=0.975, method="modified")	SEMOESNOt1<-ES(datSEMOretOUTSAt1$rev.SEMOretOUTSAt1, p=0.975, method="gaussian")	SEMOESHIt1	SEMOESMOt1	SEMOESNOt1
SEMOESMOt2<-ES(datSEMOretOUTSAt2$rev.SEMOretOUTSAt2, p=0.975, method="modified")	SEMOESNOt2<-ES(datSEMOretOUTSAt2$rev.SEMOretOUTSAt2, p=0.975, method="gaussian")	SEMOESHIt2	SEMOESMOt2	SEMOESNOt2
SEMOESMOt3<-ES(datSEMOretOUTSAt3$rev.SEMOretOUTSAt3, p=0.975, method="modified")	SEMOESNOt3<-ES(datSEMOretOUTSAt3$rev.SEMOretOUTSAt3, p=0.975, method="gaussian")	SEMOESHIt3	SEMOESMOt3	SEMOESNOt3

SEMOESMOt100<-ES(datSEMOretOUTSAt100$rev.SEMOretOUTSAt100, p=0.975, method="modified")	SEMOESNOt100<-ES(datSEMOretOUTSAt100$rev.SEMOretOUTSAt100, p=0.975, method="gaussian")	SEMOESHIt100	SEMOESMOt100	SEMOESNOt100
SEMOESMOt101<-ES(datSEMOretOUTSAt101$rev.SEMOretOUTSAt101, p=0.975, method="modified")	SEMOESNOt101<-ES(datSEMOretOUTSAt101$rev.SEMOretOUTSAt101, p=0.975, method="gaussian")	SEMOESHIt101	SEMOESMOt101	SEMOESNOt101
SEMOESMOt102<-ES(datSEMOretOUTSAt102$rev.SEMOretOUTSAt102, p=0.975, method="modified")	SEMOESNOt102<-ES(datSEMOretOUTSAt102$rev.SEMOretOUTSAt102, p=0.975, method="gaussian")	SEMOESHIt102	SEMOESMOt102	SEMOESNOt102
SEMOESMOt103<-ES(datSEMOretOUTSAt103$rev.SEMOretOUTSAt103, p=0.975, method="modified")	SEMOESNOt103<-ES(datSEMOretOUTSAt103$rev.SEMOretOUTSAt103, p=0.975, method="gaussian")	SEMOESHIt103	SEMOESMOt103	SEMOESNOt103
SEMOESMOt104<-ES(datSEMOretOUTSAt104$rev.SEMOretOUTSAt104, p=0.975, method="modified")	SEMOESNOt104<-ES(datSEMOretOUTSAt104$rev.SEMOretOUTSAt104, p=0.975, method="gaussian")	SEMOESHIt104	SEMOESMOt104	SEMOESNOt104
SEMOESMOt105<-ES(datSEMOretOUTSAt105$rev.SEMOretOUTSAt105, p=0.975, method="modified")	SEMOESNOt105<-ES(datSEMOretOUTSAt105$rev.SEMOretOUTSAt105, p=0.975, method="gaussian")	SEMOESHIt105	SEMOESMOt105	SEMOESNOt105
SEMOESMOt106<-ES(datSEMOretOUTSAt106$rev.SEMOretOUTSAt106, p=0.975, method="modified")	SEMOESNOt106<-ES(datSEMOretOUTSAt106$rev.SEMOretOUTSAt106, p=0.975, method="gaussian")	SEMOESHIt106	SEMOESMOt106	SEMOESNOt106
SEMOESMOt107<-ES(datSEMOretOUTSAt107$rev.SEMOretOUTSAt107, p=0.975, method="modified")	SEMOESNOt107<-ES(datSEMOretOUTSAt107$rev.SEMOretOUTSAt107, p=0.975, method="gaussian")	SEMOESHIt107	SEMOESMOt107	SEMOESNOt107
SEMOESMOt108<-ES(datSEMOretOUTSAt108$rev.SEMOretOUTSAt108, p=0.975, method="modified")	SEMOESNOt108<-ES(datSEMOretOUTSAt108$rev.SEMOretOUTSAt108, p=0.975, method="gaussian")	SEMOESHIt108	SEMOESMOt108	SEMOESNOt108
SEMOESMOt109<-ES(datSEMOretOUTSAt109$rev.SEMOretOUTSAt109, p=0.975, method="modified")	SEMOESNOt109<-ES(datSEMOretOUTSAt109$rev.SEMOretOUTSAt109, p=0.975, method="gaussian")	SEMOESHIt109	SEMOESMOt109	SEMOESNOt109
SEMOESMOt110<-ES(datSEMOretOUTSAt110$rev.SEMOretOUTSAt110, p=0.975, method="modified")	SEMOESNOt110<-ES(datSEMOretOUTSAt110$rev.SEMOretOUTSAt110, p=0.975, method="gaussian")	SEMOESHIt110	SEMOESMOt110	SEMOESNOt110
SEMOESMOt111<-ES(datSEMOretOUTSAt111$rev.SEMOretOUTSAt111, p=0.975, method="modified")	SEMOESNOt111<-ES(datSEMOretOUTSAt111$rev.SEMOretOUTSAt111, p=0.975, method="gaussian")	SEMOESHIt111	SEMOESMOt111	SEMOESNOt111
SEMOESMOt112<-ES(datSEMOretOUTSAt112$rev.SEMOretOUTSAt112, p=0.975, method="modified")	SEMOESNOt112<-ES(datSEMOretOUTSAt112$rev.SEMOretOUTSAt112, p=0.975, method="gaussian")	SEMOESHIt112	SEMOESMOt112	SEMOESNOt112
SEMOESMOt113<-ES(datSEMOretOUTSAt113$rev.SEMOretOUTSAt113, p=0.975, method="modified")	SEMOESNOt113<-ES(datSEMOretOUTSAt113$rev.SEMOretOUTSAt113, p=0.975, method="gaussian")	SEMOESHIt113	SEMOESMOt113	SEMOESNOt113
SEMOESMOt114<-ES(datSEMOretOUTSAt114$rev.SEMOretOUTSAt114, p=0.975, method="modified")	SEMOESNOt114<-ES(datSEMOretOUTSAt114$rev.SEMOretOUTSAt114, p=0.975, method="gaussian")	SEMOESHIt114	SEMOESMOt114	SEMOESNOt114
SEMOESMOt115<-ES(datSEMOretOUTSAt115$rev.SEMOretOUTSAt115, p=0.975, method="modified")	SEMOESNOt115<-ES(datSEMOretOUTSAt115$rev.SEMOretOUTSAt115, p=0.975, method="gaussian")	SEMOESHIt115	SEMOESMOt115	SEMOESNOt115
SEMOESMOt116<-ES(datSEMOretOUTSAt116$rev.SEMOretOUTSAt116, p=0.975, method="modified")	SEMOESNOt116<-ES(datSEMOretOUTSAt116$rev.SEMOretOUTSAt116, p=0.975, method="gaussian")	SEMOESHIt116	SEMOESMOt116	SEMOESNOt116
SEMOESMOt117<-ES(datSEMOretOUTSAt117$rev.SEMOretOUTSAt117, p=0.975, method="modified")	SEMOESNOt117<-ES(datSEMOretOUTSAt117$rev.SEMOretOUTSAt117, p=0.975, method="gaussian")	SEMOESHIt117	SEMOESMOt117	SEMOESNOt117
SEMOESMOt118<-ES(datSEMOretOUTSAt118$rev.SEMOretOUTSAt118, p=0.975, method="modified")	SEMOESNOt118<-ES(datSEMOretOUTSAt118$rev.SEMOretOUTSAt118, p=0.975, method="gaussian")	SEMOESHIt118	SEMOESMOt118	SEMOESNOt118
SEMOESMOt119<-ES(datSEMOretOUTSAt119$rev.SEMOretOUTSAt119, p=0.975, method="modified")	SEMOESNOt119<-ES(datSEMOretOUTSAt119$rev.SEMOretOUTSAt119, p=0.975, method="gaussian")	SEMOESHIt119	SEMOESMOt119	SEMOESNOt119
SEMOESMOt120<-ES(datSEMOretOUTSAt120$rev.SEMOretOUTSAt120, p=0.975, method="modified")	SEMOESNOt120<-ES(datSEMOretOUTSAt120$rev.SEMOretOUTSAt120, p=0.975, method="gaussian")	SEMOESHIt120	SEMOESMOt120	SEMOESNOt120
SEMOESMOt121<-ES(datSEMOretOUTSAt121$rev.SEMOretOUTSAt121, p=0.975, method="modified")	SEMOESNOt121<-ES(datSEMOretOUTSAt121$rev.SEMOretOUTSAt121, p=0.975, method="gaussian")	SEMOESHIt121	SEMOESMOt121	SEMOESNOt121
SEMOESMOt122<-ES(datSEMOretOUTSAt122$rev.SEMOretOUTSAt122, p=0.975, method="modified")	SEMOESNOt122<-ES(datSEMOretOUTSAt122$rev.SEMOretOUTSAt122, p=0.975, method="gaussian")	SEMOESHIt122	SEMOESMOt122	SEMOESNOt122
SEMOESMOt123<-ES(datSEMOretOUTSAt123$rev.SEMOretOUTSAt123, p=0.975, method="modified")	SEMOESNOt123<-ES(datSEMOretOUTSAt123$rev.SEMOretOUTSAt123, p=0.975, method="gaussian")	SEMOESHIt123	SEMOESMOt123	SEMOESNOt123
SEMOESMOt124<-ES(datSEMOretOUTSAt124$rev.SEMOretOUTSAt124, p=0.975, method="modified")	SEMOESNOt124<-ES(datSEMOretOUTSAt124$rev.SEMOretOUTSAt124, p=0.975, method="gaussian")	SEMOESHIt124	SEMOESMOt124	SEMOESNOt124
SEMOESMOt125<-ES(datSEMOretOUTSAt125$rev.SEMOretOUTSAt125, p=0.975, method="modified")	SEMOESNOt125<-ES(datSEMOretOUTSAt125$rev.SEMOretOUTSAt125, p=0.975, method="gaussian")	SEMOESHIt125	SEMOESMOt125	SEMOESNOt125
SEMOESMOt126<-ES(datSEMOretOUTSAt126$rev.SEMOretOUTSAt126, p=0.975, method="modified")	SEMOESNOt126<-ES(datSEMOretOUTSAt126$rev.SEMOretOUTSAt126, p=0.975, method="gaussian")	SEMOESHIt126	SEMOESMOt126	SEMOESNOt126
SEMOESMOt127<-ES(datSEMOretOUTSAt127$rev.SEMOretOUTSAt127, p=0.975, method="modified")	SEMOESNOt127<-ES(datSEMOretOUTSAt127$rev.SEMOretOUTSAt127, p=0.975, method="gaussian")	SEMOESHIt127	SEMOESMOt127	SEMOESNOt127
SEMOESMOt128<-ES(datSEMOretOUTSAt128$rev.SEMOretOUTSAt128, p=0.975, method="modified")	SEMOESNOt128<-ES(datSEMOretOUTSAt128$rev.SEMOretOUTSAt128, p=0.975, method="gaussian")	SEMOESHIt128	SEMOESMOt128	SEMOESNOt128
SEMOESMOt129<-ES(datSEMOretOUTSAt129$rev.SEMOretOUTSAt129, p=0.975, method="modified")	SEMOESNOt129<-ES(datSEMOretOUTSAt129$rev.SEMOretOUTSAt129, p=0.975, method="gaussian")	SEMOESHIt129	SEMOESMOt129	SEMOESNOt129
SEMOESMOt130<-ES(datSEMOretOUTSAt130$rev.SEMOretOUTSAt130, p=0.975, method="modified")	SEMOESNOt130<-ES(datSEMOretOUTSAt130$rev.SEMOretOUTSAt130, p=0.975, method="gaussian")	SEMOESHIt130	SEMOESMOt130	SEMOESNOt130
SEMOESMOt131<-ES(datSEMOretOUTSAt131$rev.SEMOretOUTSAt131, p=0.975, method="modified")	SEMOESNOt131<-ES(datSEMOretOUTSAt131$rev.SEMOretOUTSAt131, p=0.975, method="gaussian")	SEMOESHIt131	SEMOESMOt131	SEMOESNOt131
SEMOESMOt132<-ES(datSEMOretOUTSAt132$rev.SEMOretOUTSAt132, p=0.975, method="modified")	SEMOESNOt132<-ES(datSEMOretOUTSAt132$rev.SEMOretOUTSAt132, p=0.975, method="gaussian")	SEMOESHIt132	SEMOESMOt132	SEMOESNOt132
SEMOESMOt133<-ES(datSEMOretOUTSAt133$rev.SEMOretOUTSAt133, p=0.975, method="modified")	SEMOESNOt133<-ES(datSEMOretOUTSAt133$rev.SEMOretOUTSAt133, p=0.975, method="gaussian")	SEMOESHIt133	SEMOESMOt133	SEMOESNOt133
SEMOESMOt134<-ES(datSEMOretOUTSAt134$rev.SEMOretOUTSAt134, p=0.975, method="modified")	SEMOESNOt134<-ES(datSEMOretOUTSAt134$rev.SEMOretOUTSAt134, p=0.975, method="gaussian")	SEMOESHIt134	SEMOESMOt134	SEMOESNOt134
SEMOESMOt135<-ES(datSEMOretOUTSAt135$rev.SEMOretOUTSAt135, p=0.975, method="modified")	SEMOESNOt135<-ES(datSEMOretOUTSAt135$rev.SEMOretOUTSAt135, p=0.975, method="gaussian")	SEMOESHIt135	SEMOESMOt135	SEMOESNOt135
SEMOESMOt136<-ES(datSEMOretOUTSAt136$rev.SEMOretOUTSAt136, p=0.975, method="modified")	SEMOESNOt136<-ES(datSEMOretOUTSAt136$rev.SEMOretOUTSAt136, p=0.975, method="gaussian")	SEMOESHIt136	SEMOESMOt136	SEMOESNOt136
SEMOESMOt137<-ES(datSEMOretOUTSAt137$rev.SEMOretOUTSAt137, p=0.975, method="modified")	SEMOESNOt137<-ES(datSEMOretOUTSAt137$rev.SEMOretOUTSAt137, p=0.975, method="gaussian")	SEMOESHIt137	SEMOESMOt137	SEMOESNOt137
SEMOESMOt138<-ES(datSEMOretOUTSAt138$rev.SEMOretOUTSAt138, p=0.975, method="modified")	SEMOESNOt138<-ES(datSEMOretOUTSAt138$rev.SEMOretOUTSAt138, p=0.975, method="gaussian")	SEMOESHIt138	SEMOESMOt138	SEMOESNOt138
SEMOESMOt139<-ES(datSEMOretOUTSAt139$rev.SEMOretOUTSAt139, p=0.975, method="modified")	SEMOESNOt139<-ES(datSEMOretOUTSAt139$rev.SEMOretOUTSAt139, p=0.975, method="gaussian")	SEMOESHIt139	SEMOESMOt139	SEMOESNOt139
SEMOESMOt140<-ES(datSEMOretOUTSAt140$rev.SEMOretOUTSAt140, p=0.975, method="modified")	SEMOESNOt140<-ES(datSEMOretOUTSAt140$rev.SEMOretOUTSAt140, p=0.975, method="gaussian")	SEMOESHIt140	SEMOESMOt140	SEMOESNOt140
SEMOESMOt141<-ES(datSEMOretOUTSAt141$rev.SEMOretOUTSAt141, p=0.975, method="modified")	SEMOESNOt141<-ES(datSEMOretOUTSAt141$rev.SEMOretOUTSAt141, p=0.975, method="gaussian")	SEMOESHIt141	SEMOESMOt141	SEMOESNOt141
SEMOESMOt142<-ES(datSEMOretOUTSAt142$rev.SEMOretOUTSAt142, p=0.975, method="modified")	SEMOESNOt142<-ES(datSEMOretOUTSAt142$rev.SEMOretOUTSAt142, p=0.975, method="gaussian")	SEMOESHIt142	SEMOESMOt142	SEMOESNOt142
SEMOESMOt143<-ES(datSEMOretOUTSAt143$rev.SEMOretOUTSAt143, p=0.975, method="modified")	SEMOESNOt143<-ES(datSEMOretOUTSAt143$rev.SEMOretOUTSAt143, p=0.975, method="gaussian")	SEMOESHIt143	SEMOESMOt143	SEMOESNOt143
SEMOESMOt144<-ES(datSEMOretOUTSAt144$rev.SEMOretOUTSAt144, p=0.975, method="modified")	SEMOESNOt144<-ES(datSEMOretOUTSAt144$rev.SEMOretOUTSAt144, p=0.975, method="gaussian")	SEMOESHIt144	SEMOESMOt144	SEMOESNOt144
SEMOESMOt145<-ES(datSEMOretOUTSAt145$rev.SEMOretOUTSAt145, p=0.975, method="modified")	SEMOESNOt145<-ES(datSEMOretOUTSAt145$rev.SEMOretOUTSAt145, p=0.975, method="gaussian")	SEMOESHIt145	SEMOESMOt145	SEMOESNOt145
SEMOESMOt146<-ES(datSEMOretOUTSAt146$rev.SEMOretOUTSAt146, p=0.975, method="modified")	SEMOESNOt146<-ES(datSEMOretOUTSAt146$rev.SEMOretOUTSAt146, p=0.975, method="gaussian")	SEMOESHIt146	SEMOESMOt146	SEMOESNOt146
SEMOESMOt147<-ES(datSEMOretOUTSAt147$rev.SEMOretOUTSAt147, p=0.975, method="modified")	SEMOESNOt147<-ES(datSEMOretOUTSAt147$rev.SEMOretOUTSAt147, p=0.975, method="gaussian")	SEMOESHIt147	SEMOESMOt147	SEMOESNOt147
SEMOESMOt148<-ES(datSEMOretOUTSAt148$rev.SEMOretOUTSAt148, p=0.975, method="modified")	SEMOESNOt148<-ES(datSEMOretOUTSAt148$rev.SEMOretOUTSAt148, p=0.975, method="gaussian")	SEMOESHIt148	SEMOESMOt148	SEMOESNOt148
SEMOESMOt149<-ES(datSEMOretOUTSAt149$rev.SEMOretOUTSAt149, p=0.975, method="modified")	SEMOESNOt149<-ES(datSEMOretOUTSAt149$rev.SEMOretOUTSAt149, p=0.975, method="gaussian")	SEMOESHIt149	SEMOESMOt149	SEMOESNOt149
SEMOESMOt150<-ES(datSEMOretOUTSAt150$rev.SEMOretOUTSAt150, p=0.975, method="modified")	SEMOESNOt150<-ES(datSEMOretOUTSAt150$rev.SEMOretOUTSAt150, p=0.975, method="gaussian")	SEMOESHIt150	SEMOESMOt150	SEMOESNOt150
SEMOESMOt151<-ES(datSEMOretOUTSAt151$rev.SEMOretOUTSAt151, p=0.975, method="modified")	SEMOESNOt151<-ES(datSEMOretOUTSAt151$rev.SEMOretOUTSAt151, p=0.975, method="gaussian")	SEMOESHIt151	SEMOESMOt151	SEMOESNOt151
SEMOESMOt152<-ES(datSEMOretOUTSAt152$rev.SEMOretOUTSAt152, p=0.975, method="modified")	SEMOESNOt152<-ES(datSEMOretOUTSAt152$rev.SEMOretOUTSAt152, p=0.975, method="gaussian")	SEMOESHIt152	SEMOESMOt152	SEMOESNOt152
SEMOESMOt153<-ES(datSEMOretOUTSAt153$rev.SEMOretOUTSAt153, p=0.975, method="modified")	SEMOESNOt153<-ES(datSEMOretOUTSAt153$rev.SEMOretOUTSAt153, p=0.975, method="gaussian")	SEMOESHIt153	SEMOESMOt153	SEMOESNOt153
SEMOESMOt154<-ES(datSEMOretOUTSAt154$rev.SEMOretOUTSAt154, p=0.975, method="modified")	SEMOESNOt154<-ES(datSEMOretOUTSAt154$rev.SEMOretOUTSAt154, p=0.975, method="gaussian")	SEMOESHIt154	SEMOESMOt154	SEMOESNOt154
SEMOESMOt155<-ES(datSEMOretOUTSAt155$rev.SEMOretOUTSAt155, p=0.975, method="modified")	SEMOESNOt155<-ES(datSEMOretOUTSAt155$rev.SEMOretOUTSAt155, p=0.975, method="gaussian")	SEMOESHIt155	SEMOESMOt155	SEMOESNOt155
SEMOESMOt156<-ES(datSEMOretOUTSAt156$rev.SEMOretOUTSAt156, p=0.975, method="modified")	SEMOESNOt156<-ES(datSEMOretOUTSAt156$rev.SEMOretOUTSAt156, p=0.975, method="gaussian")	SEMOESHIt156	SEMOESMOt156	SEMOESNOt156
SEMOESMOt157<-ES(datSEMOretOUTSAt157$rev.SEMOretOUTSAt157, p=0.975, method="modified")	SEMOESNOt157<-ES(datSEMOretOUTSAt157$rev.SEMOretOUTSAt157, p=0.975, method="gaussian")	SEMOESHIt157	SEMOESMOt157	SEMOESNOt157
SEMOESMOt158<-ES(datSEMOretOUTSAt158$rev.SEMOretOUTSAt158, p=0.975, method="modified")	SEMOESNOt158<-ES(datSEMOretOUTSAt158$rev.SEMOretOUTSAt158, p=0.975, method="gaussian")	SEMOESHIt158	SEMOESMOt158	SEMOESNOt158
SEMOESMOt159<-ES(datSEMOretOUTSAt159$rev.SEMOretOUTSAt159, p=0.975, method="modified")	SEMOESNOt159<-ES(datSEMOretOUTSAt159$rev.SEMOretOUTSAt159, p=0.975, method="gaussian")	SEMOESHIt159	SEMOESMOt159	SEMOESNOt159
SEMOESMOt160<-ES(datSEMOretOUTSAt160$rev.SEMOretOUTSAt160, p=0.975, method="modified")	SEMOESNOt160<-ES(datSEMOretOUTSAt160$rev.SEMOretOUTSAt160, p=0.975, method="gaussian")	SEMOESHIt160	SEMOESMOt160	SEMOESNOt160
SEMOESMOt161<-ES(datSEMOretOUTSAt161$rev.SEMOretOUTSAt161, p=0.975, method="modified")	SEMOESNOt161<-ES(datSEMOretOUTSAt161$rev.SEMOretOUTSAt161, p=0.975, method="gaussian")	SEMOESHIt161	SEMOESMOt161	SEMOESNOt161
SEMOESMOt162<-ES(datSEMOretOUTSAt162$rev.SEMOretOUTSAt162, p=0.975, method="modified")	SEMOESNOt162<-ES(datSEMOretOUTSAt162$rev.SEMOretOUTSAt162, p=0.975, method="gaussian")	SEMOESHIt162	SEMOESMOt162	SEMOESNOt162
SEMOESMOt163<-ES(datSEMOretOUTSAt163$rev.SEMOretOUTSAt163, p=0.975, method="modified")	SEMOESNOt163<-ES(datSEMOretOUTSAt163$rev.SEMOretOUTSAt163, p=0.975, method="gaussian")	SEMOESHIt163	SEMOESMOt163	SEMOESNOt163
SEMOESMOt164<-ES(datSEMOretOUTSAt164$rev.SEMOretOUTSAt164, p=0.975, method="modified")	SEMOESNOt164<-ES(datSEMOretOUTSAt164$rev.SEMOretOUTSAt164, p=0.975, method="gaussian")	SEMOESHIt164	SEMOESMOt164	SEMOESNOt164
SEMOESMOt165<-ES(datSEMOretOUTSAt165$rev.SEMOretOUTSAt165, p=0.975, method="modified")	SEMOESNOt165<-ES(datSEMOretOUTSAt165$rev.SEMOretOUTSAt165, p=0.975, method="gaussian")	SEMOESHIt165	SEMOESMOt165	SEMOESNOt165
SEMOESMOt166<-ES(datSEMOretOUTSAt166$rev.SEMOretOUTSAt166, p=0.975, method="modified")	SEMOESNOt166<-ES(datSEMOretOUTSAt166$rev.SEMOretOUTSAt166, p=0.975, method="gaussian")	SEMOESHIt166	SEMOESMOt166	SEMOESNOt166
SEMOESMOt167<-ES(datSEMOretOUTSAt167$rev.SEMOretOUTSAt167, p=0.975, method="modified")	SEMOESNOt167<-ES(datSEMOretOUTSAt167$rev.SEMOretOUTSAt167, p=0.975, method="gaussian")	SEMOESHIt167	SEMOESMOt167	SEMOESNOt167
SEMOESMOt168<-ES(datSEMOretOUTSAt168$rev.SEMOretOUTSAt168, p=0.975, method="modified")	SEMOESNOt168<-ES(datSEMOretOUTSAt168$rev.SEMOretOUTSAt168, p=0.975, method="gaussian")	SEMOESHIt168	SEMOESMOt168	SEMOESNOt168
SEMOESMOt169<-ES(datSEMOretOUTSAt169$rev.SEMOretOUTSAt169, p=0.975, method="modified")	SEMOESNOt169<-ES(datSEMOretOUTSAt169$rev.SEMOretOUTSAt169, p=0.975, method="gaussian")	SEMOESHIt169	SEMOESMOt169	SEMOESNOt169
SEMOESMOt170<-ES(datSEMOretOUTSAt170$rev.SEMOretOUTSAt170, p=0.975, method="modified")	SEMOESNOt170<-ES(datSEMOretOUTSAt170$rev.SEMOretOUTSAt170, p=0.975, method="gaussian")	SEMOESHIt170	SEMOESMOt170	SEMOESNOt170
SEMOESMOt171<-ES(datSEMOretOUTSAt171$rev.SEMOretOUTSAt171, p=0.975, method="modified")	SEMOESNOt171<-ES(datSEMOretOUTSAt171$rev.SEMOretOUTSAt171, p=0.975, method="gaussian")	SEMOESHIt171	SEMOESMOt171	SEMOESNOt171
SEMOESMOt172<-ES(datSEMOretOUTSAt172$rev.SEMOretOUTSAt172, p=0.975, method="modified")	SEMOESNOt172<-ES(datSEMOretOUTSAt172$rev.SEMOretOUTSAt172, p=0.975, method="gaussian")	SEMOESHIt172	SEMOESMOt172	SEMOESNOt172
SEMOESMOt173<-ES(datSEMOretOUTSAt173$rev.SEMOretOUTSAt173, p=0.975, method="modified")	SEMOESNOt173<-ES(datSEMOretOUTSAt173$rev.SEMOretOUTSAt173, p=0.975, method="gaussian")	SEMOESHIt173	SEMOESMOt173	SEMOESNOt173
SEMOESMOt174<-ES(datSEMOretOUTSAt174$rev.SEMOretOUTSAt174, p=0.975, method="modified")	SEMOESNOt174<-ES(datSEMOretOUTSAt174$rev.SEMOretOUTSAt174, p=0.975, method="gaussian")	SEMOESHIt174	SEMOESMOt174	SEMOESNOt174
SEMOESMOt175<-ES(datSEMOretOUTSAt175$rev.SEMOretOUTSAt175, p=0.975, method="modified")	SEMOESNOt175<-ES(datSEMOretOUTSAt175$rev.SEMOretOUTSAt175, p=0.975, method="gaussian")	SEMOESHIt175	SEMOESMOt175	SEMOESNOt175
SEMOESMOt176<-ES(datSEMOretOUTSAt176$rev.SEMOretOUTSAt176, p=0.975, method="modified")	SEMOESNOt176<-ES(datSEMOretOUTSAt176$rev.SEMOretOUTSAt176, p=0.975, method="gaussian")	SEMOESHIt176	SEMOESMOt176	SEMOESNOt176
SEMOESMOt177<-ES(datSEMOretOUTSAt177$rev.SEMOretOUTSAt177, p=0.975, method="modified")	SEMOESNOt177<-ES(datSEMOretOUTSAt177$rev.SEMOretOUTSAt177, p=0.975, method="gaussian")	SEMOESHIt177	SEMOESMOt177	SEMOESNOt177
SEMOESMOt178<-ES(datSEMOretOUTSAt178$rev.SEMOretOUTSAt178, p=0.975, method="modified")	SEMOESNOt178<-ES(datSEMOretOUTSAt178$rev.SEMOretOUTSAt178, p=0.975, method="gaussian")	SEMOESHIt178	SEMOESMOt178	SEMOESNOt178
SEMOESMOt179<-ES(datSEMOretOUTSAt179$rev.SEMOretOUTSAt179, p=0.975, method="modified")	SEMOESNOt179<-ES(datSEMOretOUTSAt179$rev.SEMOretOUTSAt179, p=0.975, method="gaussian")	SEMOESHIt179	SEMOESMOt179	SEMOESNOt179
SEMOESMOt180<-ES(datSEMOretOUTSAt180$rev.SEMOretOUTSAt180, p=0.975, method="modified")	SEMOESNOt180<-ES(datSEMOretOUTSAt180$rev.SEMOretOUTSAt180, p=0.975, method="gaussian")	SEMOESHIt180	SEMOESMOt180	SEMOESNOt180
SEMOESMOt181<-ES(datSEMOretOUTSAt181$rev.SEMOretOUTSAt181, p=0.975, method="modified")	SEMOESNOt181<-ES(datSEMOretOUTSAt181$rev.SEMOretOUTSAt181, p=0.975, method="gaussian")	SEMOESHIt181	SEMOESMOt181	SEMOESNOt181
SEOGESMOt1<-ES(datSEOGretOUTSAt1$rev.SEOGretOUTSAt1, p=0.975, method="modified")	SEOGESNOt1<-ES(datSEOGretOUTSAt1$rev.SEOGretOUTSAt1, p=0.975, method="gaussian")	SEOGESHIt1	SEOGESMOt1	SEOGESNOt1
SEOGESMOt2<-ES(datSEOGretOUTSAt2$rev.SEOGretOUTSAt2, p=0.975, method="modified")	SEOGESNOt2<-ES(datSEOGretOUTSAt2$rev.SEOGretOUTSAt2, p=0.975, method="gaussian")	SEOGESHIt2	SEOGESMOt2	SEOGESNOt2
SEOGESMOt3<-ES(datSEOGretOUTSAt3$rev.SEOGretOUTSAt3, p=0.975, method="modified")	SEOGESNOt3<-ES(datSEOGretOUTSAt3$rev.SEOGretOUTSAt3, p=0.975, method="gaussian")	SEOGESHIt3	SEOGESMOt3	SEOGESNOt3
SEOGESMOt4<-ES(datSEOGretOUTSAt4$rev.SEOGretOUTSAt4, p=0.975, method="modified")	SEOGESNOt4<-ES(datSEOGretOUTSAt4$rev.SEOGretOUTSAt4, p=0.975, method="gaussian")	SEOGESHIt4	SEOGESMOt4	SEOGESNOt4
SEOGESMOt5<-ES(datSEOGretOUTSAt5$rev.SEOGretOUTSAt5, p=0.975, method="modified")	SEOGESNOt5<-ES(datSEOGretOUTSAt5$rev.SEOGretOUTSAt5, p=0.975, method="gaussian")	SEOGESHIt5	SEOGESMOt5	SEOGESNOt5
SEOGESMOt6<-ES(datSEOGretOUTSAt6$rev.SEOGretOUTSAt6, p=0.975, method="modified")	SEOGESNOt6<-ES(datSEOGretOUTSAt6$rev.SEOGretOUTSAt6, p=0.975, method="gaussian")	SEOGESHIt6	SEOGESMOt6	SEOGESNOt6
SEOGESMOt7<-ES(datSEOGretOUTSAt7$rev.SEOGretOUTSAt7, p=0.975, method="modified")	SEOGESNOt7<-ES(datSEOGretOUTSAt7$rev.SEOGretOUTSAt7, p=0.975, method="gaussian")	SEOGESHIt7	SEOGESMOt7	SEOGESNOt7
SEOGESMOt8<-ES(datSEOGretOUTSAt8$rev.SEOGretOUTSAt8, p=0.975, method="modified")	SEOGESNOt8<-ES(datSEOGretOUTSAt8$rev.SEOGretOUTSAt8, p=0.975, method="gaussian")	SEOGESHIt8	SEOGESMOt8	SEOGESNOt8
SEOGESMOt9<-ES(datSEOGretOUTSAt9$rev.SEOGretOUTSAt9, p=0.975, method="modified")	SEOGESNOt9<-ES(datSEOGretOUTSAt9$rev.SEOGretOUTSAt9, p=0.975, method="gaussian")	SEOGESHIt9	SEOGESMOt9	SEOGESNOt9
SEOGESMOt10<-ES(datSEOGretOUTSAt10$rev.SEOGretOUTSAt10, p=0.975, method="modified")	SEOGESNOt10<-ES(datSEOGretOUTSAt10$rev.SEOGretOUTSAt10, p=0.975, method="gaussian")	SEOGESHIt10	SEOGESMOt10	SEOGESNOt10
SEOGESMOt11<-ES(datSEOGretOUTSAt11$rev.SEOGretOUTSAt11, p=0.975, method="modified")	SEOGESNOt11<-ES(datSEOGretOUTSAt11$rev.SEOGretOUTSAt11, p=0.975, method="gaussian")	SEOGESHIt11	SEOGESMOt11	SEOGESNOt11
SEOGESMOt12<-ES(datSEOGretOUTSAt12$rev.SEOGretOUTSAt12, p=0.975, method="modified")	SEOGESNOt12<-ES(datSEOGretOUTSAt12$rev.SEOGretOUTSAt12, p=0.975, method="gaussian")	SEOGESHIt12	SEOGESMOt12	SEOGESNOt12
SEOGESMOt13<-ES(datSEOGretOUTSAt13$rev.SEOGretOUTSAt13, p=0.975, method="modified")	SEOGESNOt13<-ES(datSEOGretOUTSAt13$rev.SEOGretOUTSAt13, p=0.975, method="gaussian")	SEOGESHIt13	SEOGESMOt13	SEOGESNOt13
SEOGESMOt14<-ES(datSEOGretOUTSAt14$rev.SEOGretOUTSAt14, p=0.975, method="modified")	SEOGESNOt14<-ES(datSEOGretOUTSAt14$rev.SEOGretOUTSAt14, p=0.975, method="gaussian")	SEOGESHIt14	SEOGESMOt14	SEOGESNOt14
SEOGESMOt15<-ES(datSEOGretOUTSAt15$rev.SEOGretOUTSAt15, p=0.975, method="modified")	SEOGESNOt15<-ES(datSEOGretOUTSAt15$rev.SEOGretOUTSAt15, p=0.975, method="gaussian")	SEOGESHIt15	SEOGESMOt15	SEOGESNOt15
SEOGESMOt16<-ES(datSEOGretOUTSAt16$rev.SEOGretOUTSAt16, p=0.975, method="modified")	SEOGESNOt16<-ES(datSEOGretOUTSAt16$rev.SEOGretOUTSAt16, p=0.975, method="gaussian")	SEOGESHIt16	SEOGESMOt16	SEOGESNOt16
SEOGESMOt17<-ES(datSEOGretOUTSAt17$rev.SEOGretOUTSAt17, p=0.975, method="modified")	SEOGESNOt17<-ES(datSEOGretOUTSAt17$rev.SEOGretOUTSAt17, p=0.975, method="gaussian")	SEOGESHIt17	SEOGESMOt17	SEOGESNOt17
SEOGESMOt18<-ES(datSEOGretOUTSAt18$rev.SEOGretOUTSAt18, p=0.975, method="modified")	SEOGESNOt18<-ES(datSEOGretOUTSAt18$rev.SEOGretOUTSAt18, p=0.975, method="gaussian")	SEOGESHIt18	SEOGESMOt18	SEOGESNOt18
SEOGESMOt19<-ES(datSEOGretOUTSAt19$rev.SEOGretOUTSAt19, p=0.975, method="modified")	SEOGESNOt19<-ES(datSEOGretOUTSAt19$rev.SEOGretOUTSAt19, p=0.975, method="gaussian")	SEOGESHIt19	SEOGESMOt19	SEOGESNOt19
SEOGESMOt20<-ES(datSEOGretOUTSAt20$rev.SEOGretOUTSAt20, p=0.975, method="modified")	SEOGESNOt20<-ES(datSEOGretOUTSAt20$rev.SEOGretOUTSAt20, p=0.975, method="gaussian")	SEOGESHIt20	SEOGESMOt20	SEOGESNOt20
SEOGESMOt21<-ES(datSEOGretOUTSAt21$rev.SEOGretOUTSAt21, p=0.975, method="modified")	SEOGESNOt21<-ES(datSEOGretOUTSAt21$rev.SEOGretOUTSAt21, p=0.975, method="gaussian")	SEOGESHIt21	SEOGESMOt21	SEOGESNOt21
SEOGESMOt22<-ES(datSEOGretOUTSAt22$rev.SEOGretOUTSAt22, p=0.975, method="modified")	SEOGESNOt22<-ES(datSEOGretOUTSAt22$rev.SEOGretOUTSAt22, p=0.975, method="gaussian")	SEOGESHIt22	SEOGESMOt22	SEOGESNOt22
SEOGESMOt23<-ES(datSEOGretOUTSAt23$rev.SEOGretOUTSAt23, p=0.975, method="modified")	SEOGESNOt23<-ES(datSEOGretOUTSAt23$rev.SEOGretOUTSAt23, p=0.975, method="gaussian")	SEOGESHIt23	SEOGESMOt23	SEOGESNOt23
SEOGESMOt24<-ES(datSEOGretOUTSAt24$rev.SEOGretOUTSAt24, p=0.975, method="modified")	SEOGESNOt24<-ES(datSEOGretOUTSAt24$rev.SEOGretOUTSAt24, p=0.975, method="gaussian")	SEOGESHIt24	SEOGESMOt24	SEOGESNOt24
SEOGESMOt25<-ES(datSEOGretOUTSAt25$rev.SEOGretOUTSAt25, p=0.975, method="modified")	SEOGESNOt25<-ES(datSEOGretOUTSAt25$rev.SEOGretOUTSAt25, p=0.975, method="gaussian")	SEOGESHIt25	SEOGESMOt25	SEOGESNOt25
SEOGESMOt26<-

SEOGESNOt46<-ES(datSEOGretOUTSAt46$rev.SEOGretOUTSAt46, p=0.975, method="modified")	SEOGESNOt46<-ES(datSEOGretOUTSAt46$rev.SEOGretOUTSAt46, p=0.975, method="gaussian")	SEOGESHIt46	SEOGESMOt46	SEOGESNOt46
SEOGESNOt47<-ES(datSEOGretOUTSAt47$rev.SEOGretOUTSAt47, p=0.975, method="modified")	SEOGESNOt47<-ES(datSEOGretOUTSAt47$rev.SEOGretOUTSAt47, p=0.975, method="gaussian")	SEOGESHIt47	SEOGESMOt47	SEOGESNOt47
SEOGESNOt48<-ES(datSEOGretOUTSAt48$rev.SEOGretOUTSAt48, p=0.975, method="modified")	SEOGESNOt48<-ES(datSEOGretOUTSAt48$rev.SEOGretOUTSAt48, p=0.975, method="gaussian")	SEOGESHIt48	SEOGESMOt48	SEOGESNOt48

SEOGESMOt175<-ES(datSEOGretOUTSAt175$rev.SEOGretOUTSAt175, p=0.975, method="modified")	SEOGESNOt175<-ES(datSEOGretOUTSAt175$rev.SEOGretOUTSAt175, p=0.975, method="gaussian")	SEOGESHIt175	SEOGESMOt175	SEOGESNOt175
SEOGESMOt176<-ES(datSEOGretOUTSAt176$rev.SEOGretOUTSAt176, p=0.975, method="modified")	SEOGESNOt176<-ES(datSEOGretOUTSAt176$rev.SEOGretOUTSAt176, p=0.975, method="gaussian")	SEOGESHIt176	SEOGESMOt176	SEOGESNOt176
SEOGESMOt177<-ES(datSEOGretOUTSAt177$rev.SEOGretOUTSAt177, p=0.975, method="modified")	SEOGESNOt177<-ES(datSEOGretOUTSAt177$rev.SEOGretOUTSAt177, p=0.975, method="gaussian")	SEOGESHIt177	SEOGESMOt177	SEOGESNOt177
SEOGESMOt178<-ES(datSEOGretOUTSAt178$rev.SEOGretOUTSAt178, p=0.975, method="modified")	SEOGESNOt178<-ES(datSEOGretOUTSAt178$rev.SEOGretOUTSAt178, p=0.975, method="gaussian")	SEOGESHIt178	SEOGESMOt178	SEOGESNOt178
SEOGESMOt179<-ES(datSEOGretOUTSAt179$rev.SEOGretOUTSAt179, p=0.975, method="modified")	SEOGESNOt179<-ES(datSEOGretOUTSAt179$rev.SEOGretOUTSAt179, p=0.975, method="gaussian")	SEOGESHIt179	SEOGESMOt179	SEOGESNOt179
SEOGESMOt180<-ES(datSEOGretOUTSAt180$rev.SEOGretOUTSAt180, p=0.975, method="modified")	SEOGESNOt180<-ES(datSEOGretOUTSAt180$rev.SEOGretOUTSAt180, p=0.975, method="gaussian")	SEOGESHIt180	SEOGESMOt180	SEOGESNOt180
SEOGESMOt181<-ES(datSEOGretOUTSAt181$rev.SEOGretOUTSAt181, p=0.975, method="modified")	SEOGESNOt181<-ES(datSEOGretOUTSAt181$rev.SEOGretOUTSAt181, p=0.975, method="gaussian")	SEOGESHIt181	SEOGESMOt181	SEOGESNOt181
SEOEESMOt1<-ES(datSEOEretOUTSAt1$rev.SEOEretOUTSAt1, p=0.975, method="modified")	SEOEESNOt1<-ES(datSEOEretOUTSAt1$rev.SEOEretOUTSAt1, p=0.975, method="gaussian")	SEOEESHIt1	SEOEESMOt1	SEOEESNOt1
SEOEESMOt2<-ES(datSEOEretOUTSAt2$rev.SEOEretOUTSAt2, p=0.975, method="modified")	SEOEESNOt2<-ES(datSEOEretOUTSAt2$rev.SEOEretOUTSAt2, p=0.975, method="gaussian")	SEOEESHIt2	SEOEESMOt2	SEOEESNOt2
SEOEESMOt3<-ES(datSEOEretOUTSAt3$rev.SEOEretOUTSAt3, p=0.975, method="modified")	SEOEESNOt3<-ES(datSEOEretOUTSAt3$rev.SEOEretOUTSAt3, p=0.975, method="gaussian")	SEOEESHIt3	SEOEESMOt3	SEOEESNOt3
SEOEESMOt4<-ES(datSEOEretOUTSAt4$rev.SEOEretOUTSAt4, p=0.975, method="modified")	SEOEESNOt4<-ES(datSEOEretOUTSAt4$rev.SEOEretOUTSAt4, p=0.975, method="gaussian")	SEOEESHIt4	SEOEESMOt4	SEOEESNOt4
SEOEESMOt5<-ES(datSEOEretOUTSAt5$rev.SEOEretOUTSAt5, p=0.975, method="modified")	SEOEESNOt5<-ES(datSEOEretOUTSAt5$rev.SEOEretOUTSAt5, p=0.975, method="gaussian")	SEOEESHIt5	SEOEESMOt5	SEOEESNOt5
SEOEESMOt6<-ES(datSEOEretOUTSAt6$rev.SEOEretOUTSAt6, p=0.975, method="modified")	SEOEESNOt6<-ES(datSEOEretOUTSAt6$rev.SEOEretOUTSAt6, p=0.975, method="gaussian")	SEOEESHIt6	SEOEESMOt6	SEOEESNOt6
SEOEESMOt7<-ES(datSEOEretOUTSAt7$rev.SEOEretOUTSAt7, p=0.975, method="modified")	SEOEESNOt7<-ES(datSEOEretOUTSAt7$rev.SEOEretOUTSAt7, p=0.975, method="gaussian")	SEOEESHIt7	SEOEESMOt7	SEOEESNOt7
SEOEESMOt8<-ES(datSEOEretOUTSAt8$rev.SEOEretOUTSAt8, p=0.975, method="modified")	SEOEESNOt8<-ES(datSEOEretOUTSAt8$rev.SEOEretOUTSAt8, p=0.975, method="gaussian")	SEOEESHIt8	SEOEESMOt8	SEOEESNOt8
SEOEESMOt9<-ES(datSEOEretOUTSAt9$rev.SEOEretOUTSAt9, p=0.975, method="modified")	SEOEESNOt9<-ES(datSEOEretOUTSAt9$rev.SEOEretOUTSAt9, p=0.975, method="gaussian")	SEOEESHIt9	SEOEESMOt9	SEOEESNOt9
SEOEESMOt10<-ES(datSEOEretOUTSAt10$rev.SEOEretOUTSAt10, p=0.975, method="modified")	SEOEESNOt10<-ES(datSEOEretOUTSAt10$rev.SEOEretOUTSAt10, p=0.975, method="gaussian")	SEOEESHIt10	SEOEESMOt10	SEOEESNOt10
SEOEESMOt11<-ES(datSEOEretOUTSAt11$rev.SEOEretOUTSAt11, p=0.975, method="modified")	SEOEESNOt11<-ES(datSEOEretOUTSAt11$rev.SEOEretOUTSAt11, p=0.975, method="gaussian")	SEOEESHIt11	SEOEESMOt11	SEOEESNOt11
SEOEESMOt12<-ES(datSEOEretOUTSAt12$rev.SEOEretOUTSAt12, p=0.975, method="modified")	SEOEESNOt12<-ES(datSEOEretOUTSAt12$rev.SEOEretOUTSAt12, p=0.975, method="gaussian")	SEOEESHIt12	SEOEESMOt12	SEOEESNOt12
SEOEESMOt13<-ES(datSEOEretOUTSAt13$rev.SEOEretOUTSAt13, p=0.975, method="modified")	SEOEESNOt13<-ES(datSEOEretOUTSAt13$rev.SEOEretOUTSAt13, p=0.975, method="gaussian")	SEOEESHIt13	SEOEESMOt13	SEOEESNOt13
SEOEESMOt14<-ES(datSEOEretOUTSAt14$rev.SEOEretOUTSAt14, p=0.975, method="modified")	SEOEESNOt14<-ES(datSEOEretOUTSAt14$rev.SEOEretOUTSAt14, p=0.975, method="gaussian")	SEOEESHIt14	SEOEESMOt14	SEOEESNOt14
SEOEESMOt15<-ES(datSEOEretOUTSAt15$rev.SEOEretOUTSAt15, p=0.975, method="modified")	SEOEESNOt15<-ES(datSEOEretOUTSAt15$rev.SEOEretOUTSAt15, p=0.975, method="gaussian")	SEOEESHIt15	SEOEESMOt15	SEOEESNOt15
SEOEESMOt16<-ES(datSEOEretOUTSAt16$rev.SEOEretOUTSAt16, p=0.975, method="modified")	SEOEESNOt16<-ES(datSEOEretOUTSAt16$rev.SEOEretOUTSAt16, p=0.975, method="gaussian")	SEOEESHIt16	SEOEESMOt16	SEOEESNOt16
SEOEESMOt17<-ES(datSEOEretOUTSAt17$rev.SEOEretOUTSAt17, p=0.975, method="modified")	SEOEESNOt17<-ES(datSEOEretOUTSAt17$rev.SEOEretOUTSAt17, p=0.975, method="gaussian")	SEOEESHIt17	SEOEESMOt17	SEOEESNOt17
SEOEESMOt18<-ES(datSEOEretOUTSAt18$rev.SEOEretOUTSAt18, p=0.975, method="modified")	SEOEESNOt18<-ES(datSEOEretOUTSAt18$rev.SEOEretOUTSAt18, p=0.975, method="gaussian")	SEOEESHIt18	SEOEESMOt18	SEOEESNOt18
SEOEESMOt19<-ES(datSEOEretOUTSAt19$rev.SEOEretOUTSAt19, p=0.975, method="modified")	SEOEESNOt19<-ES(datSEOEretOUTSAt19$rev.SEOEretOUTSAt19, p=0.975, method="gaussian")	SEOEESHIt19	SEOEESMOt19	SEOEESNOt19
SEOEESMOt20<-ES(datSEOEretOUTSAt20$rev.SEOEretOUTSAt20, p=0.975, method="modified")	SEOEESNOt20<-ES(datSEOEretOUTSAt20$rev.SEOEretOUTSAt20, p=0.975, method="gaussian")	SEOEESHIt20	SEOEESMOt20	SEOEESNOt20
SEOEESMOt21<-ES(datSEOEretOUTSAt21$rev.SEOEretOUTSAt21, p=0.975, method="modified")	SEOEESNOt21<-ES(datSEOEretOUTSAt21$rev.SEOEretOUTSAt21, p=0.975, method="gaussian")	SEOEESHIt21	SEOEESMOt21	SEOEESNOt21
SEOEESMOt22<-ES(datSEOEretOUTSAt22$rev.SEOEretOUTSAt22, p=0.975, method="modified")	SEOEESNOt22<-ES(datSEOEretOUTSAt22$rev.SEOEretOUTSAt22, p=0.975, method="gaussian")	SEOEESHIt22	SEOEESMOt22	SEOEESNOt22
SEOEESMOt23<-ES(datSEOEretOUTSAt23$rev.SEOEretOUTSAt23, p=0.975, method="modified")	SEOEESNOt23<-ES(datSEOEretOUTSAt23$rev.SEOEretOUTSAt23, p=0.975, method="gaussian")	SEOEESHIt23	SEOEESMOt23	SEOEESNOt23
SEOEESMOt24<-ES(datSEOEretOUTSAt24$rev.SEOEretOUTSAt24, p=0.975, method="modified")	SEOEESNOt24<-ES(datSEOEretOUTSAt24$rev.SEOEretOUTSAt24, p=0.975, method="gaussian")	SEOEESHIt24	SEOEESMOt24	SEOEESNOt24
SEOEESMOt25<-ES(datSEOEretOUTSAt25$rev.SEOEretOUTSAt25, p=0.975, method="modified")	SEOEESNOt25<-ES(datSEOEretOUTSAt25$rev.SEOEretOUTSAt25, p=0.975, method="gaussian")	SEOEESHIt25	SEOEESMOt25	SEOEESNOt25
SEOEESMOt26<-ES(datSEOEretOUTSAt26$rev.SEOEretOUTSAt26, p=0.975, method="modified")	SEOEESNOt26<-ES(datSEOEretOUTSAt26$rev.SEOEretOUTSAt26, p=0.975, method="gaussian")	SEOEESHIt26	SEOEESMOt26	SEOEESNOt26
SEOEESMOt27<-ES(datSEOEretOUTSAt27$rev.SEOEretOUTSAt27, p=0.975, method="modified")	SEOEESNOt27<-ES(datSEOEretOUTSAt27$rev.SEOEretOUTSAt27, p=0.975, method="gaussian")	SEOEESHIt27	SEOEESMOt27	SEOEESNOt27
SEOEESMOt28<-ES(datSEOEretOUTSAt28$rev.SEOEretOUTSAt28, p=0.975, method="modified")	SEOEESNOt28<-ES(datSEOEretOUTSAt28$rev.SEOEretOUTSAt28, p=0.975, method="gaussian")	SEOEESHIt28	SEOEESMOt28	SEOEESNOt28
SEOEESMOt29<-ES(datSEOEretOUTSAt29$rev.SEOEretOUTSAt29, p=0.975, method="modified")	SEOEESNOt29<-ES(datSEOEretOUTSAt29$rev.SEOEretOUTSAt29, p=0.975, method="gaussian")	SEOEESHIt29	SEOEESMOt29	SEOEESNOt29
SEOEESMOt30<-ES(datSEOEretOUTSAt30$rev.SEOEretOUTSAt30, p=0.975, method="modified")	SEOEESNOt30<-ES(datSEOEretOUTSAt30$rev.SEOEretOUTSAt30, p=0.975, method="gaussian")	SEOEESHIt30	SEOEESMOt30	SEOEESNOt30
SEOEESMOt31<-ES(datSEOEretOUTSAt31$rev.SEOEretOUTSAt31, p=0.975, method="modified")	SEOEESNOt31<-ES(datSEOEretOUTSAt31$rev.SEOEretOUTSAt31, p=0.975, method="gaussian")	SEOEESHIt31	SEOEESMOt31	SEOEESNOt31
SEOEESMOt32<-ES(datSEOEretOUTSAt32$rev.SEOEretOUTSAt32, p=0.975, method="modified")	SEOEESNOt32<-ES(datSEOEretOUTSAt32$rev.SEOEretOUTSAt32, p=0.975, method="gaussian")	SEOEESHIt32	SEOEESMOt32	SEOEESNOt32
SEOEESMOt33<-ES(datSEOEretOUTSAt33$rev.SEOEretOUTSAt33, p=0.975, method="modified")	SEOEESNOt33<-ES(datSEOEretOUTSAt33$rev.SEOEretOUTSAt33, p=0.975, method="gaussian")	SEOEESHIt33	SEOEESMOt33	SEOEESNOt33
SEOEESMOt34<-ES(datSEOEretOUTSAt34$rev.SEOEretOUTSAt34, p=0.975, method="modified")	SEOEESNOt34<-ES(datSEOEretOUTSAt34$rev.SEOEretOUTSAt34, p=0.975, method="gaussian")	SEOEESHIt34	SEOEESMOt34	SEOEESNOt34
SEOEESMOt35<-ES(datSEOEretOUTSAt35$rev.SEOEretOUTSAt35, p=0.975, method="modified")	SEOEESNOt35<-ES(datSEOEretOUTSAt35$rev.SEOEretOUTSAt35, p=0.975, method="gaussian")	SEOEESHIt35	SEOEESMOt35	SEOEESNOt35
SEOEESMOt36<-ES(datSEOEretOUTSAt36$rev.SEOEretOUTSAt36, p=0.975, method="modified")	SEOEESNOt36<-ES(datSEOEretOUTSAt36$rev.SEOEretOUTSAt36, p=0.975, method="gaussian")	SEOEESHIt36	SEOEESMOt36	SEOEESNOt36
SEOEESMOt37<-ES(datSEOEretOUTSAt37$rev.SEOEretOUTSAt37, p=0.975, method="modified")	SEOEESNOt37<-ES(datSEOEretOUTSAt37$rev.SEOEretOUTSAt37, p=0.975, method="gaussian")	SEOEESHIt37	SEOEESMOt37	SEOEESNOt37
SEOEESMOt38<-ES(datSEOEretOUTSAt38$rev.SEOEretOUTSAt38, p=0.975, method="modified")	SEOEESNOt38<-ES(datSEOEretOUTSAt38$rev.SEOEretOUTSAt38, p=0.975, method="gaussian")	SEOEESHIt38	SEOEESMOt38	SEOEESNOt38
SEOEESMOt39<-ES(datSEOEretOUTSAt39$rev.SEOEretOUTSAt39, p=0.975, method="modified")	SEOEESNOt39<-ES(datSEOEretOUTSAt39$rev.SEOEretOUTSAt39, p=0.975, method="gaussian")	SEOEESHIt39	SEOEESMOt39	SEOEESNOt39
SEOEESMOt40<-ES(datSEOEretOUTSAt40$rev.SEOEretOUTSAt40, p=0.975, method="modified")	SEOEESNOt40<-ES(datSEOEretOUTSAt40$rev.SEOEretOUTSAt40, p=0.975, method="gaussian")	SEOEESHIt40	SEOEESMOt40	SEOEESNOt40
SEOEESMOt41<-ES(datSEOEretOUTSAt41$rev.SEOEretOUTSAt41, p=0.975, method="modified")	SEOEESNOt41<-ES(datSEOEretOUTSAt41$rev.SEOEretOUTSAt41, p=0.975, method="gaussian")	SEOEESHIt41	SEOEESMOt41	SEOEESNOt41
SEOEESMOt42<-ES(datSEOEretOUTSAt42$rev.SEOEretOUTSAt42, p=0.975, method="modified")	SEOEESNOt42<-ES(datSEOEretOUTSAt42$rev.SEOEretOUTSAt42, p=0.975, method="gaussian")	SEOEESHIt42	SEOEESMOt42	SEOEESNOt42
SEOEESMOt43<-ES(datSEOEretOUTSAt43$rev.SEOEretOUTSAt43, p=0.975, method="modified")	SEOEESNOt43<-ES(datSEOEretOUTSAt43$rev.SEOEretOUTSAt43, p=0.975, method="gaussian")	SEOEESHIt43	SEOEESMOt43	SEOEESNOt43
SEOEESMOt44<-ES(datSEOEretOUTSAt44$rev.SEOEretOUTSAt44, p=0.975, method="modified")	SEOEESNOt44<-ES(datSEOEretOUTSAt44$rev.SEOEretOUTSAt44, p=0.975, method="gaussian")	SEOEESHIt44	SEOEESMOt44	SEOEESNOt44
SEOEESMOt45<-ES(datSEOEretOUTSAt45$rev.SEOEretOUTSAt45, p=0.975, method="modified")	SEOEESNOt45<-ES(datSEOEretOUTSAt45$rev.SEOEretOUTSAt45, p=0.975, method="gaussian")	SEOEESHIt45	SEOEESMOt45	SEOEESNOt45
SEOEESMOt46<-ES(datSEOEretOUTSAt46$rev.SEOEretOUTSAt46, p=0.975, method="modified")	SEOEESNOt46<-ES(datSEOEretOUTSAt46$rev.SEOEretOUTSAt46, p=0.975, method="gaussian")	SEOEESHIt46	SEOEESMOt46	SEOEESNOt46
SEOEESMOt47<-ES(datSEOEretOUTSAt47$rev.SEOEretOUTSAt47, p=0.975, method="modified")	SEOEESNOt47<-ES(datSEOEretOUTSAt47$rev.SEOEretOUTSAt47, p=0.975, method="gaussian")	SEOEESHIt47	SEOEESMOt47	SEOEESNOt47
SEOEESMOt48<-ES(datSEOEretOUTSAt48$rev.SEOEretOUTSAt48, p=0.975, method="modified")	SEOEESNOt48<-ES(datSEOEretOUTSAt48$rev.SEOEretOUTSAt48, p=0.975, method="gaussian")	SEOEESHIt48	SEOEESMOt48	SEOEESNOt48
SEOEESMOt49<-ES(datSEOEretOUTSAt49$rev.SEOEretOUTSAt49, p=0.975, method="modified")	SEOEESNOt49<-ES(datSEOEretOUTSAt49$rev.SEOEretOUTSAt49, p=0.975, method="gaussian")	SEOEESHIt49	SEOEESMOt49	SEOEESNOt49
SEOEESMOt50<-ES(datSEOEretOUTSAt50$rev.SEOEretOUTSAt50, p=0.975, method="modified")	SEOEESNOt50<-ES(datSEOEretOUTSAt50$rev.SEOEretOUTSAt50, p=0.975, method="gaussian")	SEOEESHIt50	SEOEESMOt50	SEOEESNOt50
SEOEESMOt51<-ES(datSEOEretOUTSAt51$rev.SEOEretOUTSAt51, p=0.975, method="modified")	SEOEESNOt51<-ES(datSEOEretOUTSAt51$rev.SEOEretOUTSAt51, p=0.975, method="gaussian")	SEOEESHIt51	SEOEESMOt51	SEOEESNOt51
SEOEESMOt52<-ES(datSEOEretOUTSAt52$rev.SEOEretOUTSAt52, p=0.975, method="modified")	SEOEESNOt52<-ES(datSEOEretOUTSAt52$rev.SEOEretOUTSAt52, p=0.975, method="gaussian")	SEOEESHIt52	SEOEESMOt52	SEOEESNOt52
SEOEESMOt53<-ES(datSEOEretOUTSAt53$rev.SEOEretOUTSAt53, p=0.975, method="modified")	SEOEESNOt53<-ES(datSEOEretOUTSAt53$rev.SEOEretOUTSAt53, p=0.975, method="gaussian")	SEOEESHIt53	SEOEESMOt53	SEOEESNOt53
SEOEESMOt54<-ES(datSEOEretOUTSAt54$rev.SEOEretOUTSAt54, p=0.975, method="modified")	SEOEESNOt54<-ES(datSEOEretOUTSAt54$rev.SEOEretOUTSAt54, p=0.975, method="gaussian")	SEOEESHIt54	SEOEESMOt54	SEOEESNOt54
SEOEESMOt55<-ES(datSEOEretOUTSAt55$rev.SEOEretOUTSAt55, p=0.975, method="modified")	SEOEESNOt55<-ES(datSEOEretOUTSAt55$rev.SEOEretOUTSAt55, p=0.975, method="gaussian")	SEOEESHIt55	SEOEESMOt55	SEOEESNOt55
SEOEESMOt56<-ES(datSEOEretOUTSAt56$rev.SEOEretOUTSAt56, p=0.975, method="modified")	SEOEESNOt56<-ES(datSEOEretOUTSAt56$rev.SEOEretOUTSAt56, p=0.975, method="gaussian")	SEOEESHIt56	SEOEESMOt56	SEOEESNOt56
SEOEESMOt57<-ES(datSEOEretOUTSAt57$rev.SEOEretOUTSAt57, p=0.975, method="modified")	SEOEESNOt57<-ES(datSEOEretOUTSAt57$rev.SEOEretOUTSAt57, p=0.975, method="gaussian")	SEOEESHIt57	SEOEESMOt57	SEOEESNOt57
SEOEESMOt58<-ES(datSEOEretOUTSAt58$rev.SEOEretOUTSAt58, p=0.975, method="modified")	SEOEESNOt58<-ES(datSEOEretOUTSAt58$rev.SEOEretOUTSAt58, p=0.975, method="gaussian")	SEOEESHIt58	SEOEESMOt58	SEOEESNOt58
SEOEESMOt59<-ES(datSEOEretOUTSAt59$rev.SEOEretOUTSAt59, p=0.975, method="modified")	SEOEESNOt59<-ES(datSEOEretOUTSAt59$rev.SEOEretOUTSAt59, p=0.975, method="gaussian")	SEOEESHIt59	SEOEESMOt59	SEOEESNOt59
SEOEESMOt60<-ES(datSEOEretOUTSAt60$rev.SEOEretOUTSAt60, p=0.975, method="modified")	SEOEESNOt60<-ES(datSEOEretOUTSAt60$rev.SEOEretOUTSAt60, p=0.975, method="gaussian")	SEOEESHIt60	SEOEESMOt60	SEOEESNOt60
SEOEESMOt61<-ES(datSEOEretOUTSAt61$rev.SEOEretOUTSAt61, p=0.975, method="modified")	SEOEESNOt61<-ES(datSEOEretOUTSAt61$rev.SEOEretOUTSAt61, p=0.975, method="gaussian")	SEOEESHIt61	SEOEESMOt61	SEOEESNOt61
SEOEESMOt62<-ES(datSEOEretOUTSAt62$rev.SEOEretOUTSAt62, p=0.975, method="modified")	SEOEESNOt62<-ES(datSEOEretOUTSAt62$rev.SEOEretOUTSAt62, p=0.975, method="gaussian")	SEOEESHIt62	SEOEESMOt62	SEOEESNOt62
SEOEESMOt63<-ES(datSEOEretOUTSAt63$rev.SEOEretOUTSAt63, p=0.975, method="modified")	SEOEESNOt63<-ES(datSEOEretOUTSAt63$rev.SEOEretOUTSAt63, p=0.975, method="gaussian")	SEOEESHIt63	SEOEESMOt63	SEOEESNOt63
SEOEESMOt64<-ES(datSEOEretOUTSAt64$rev.SEOEretOUTSAt64, p=0.975, method="modified")	SEOEESNOt64<-ES(datSEOEretOUTSAt64$rev.SEOEretOUTSAt64, p=0.975, method="gaussian")	SEOEESHIt64	SEOEESMOt64	SEOEESNOt64
SEOEESMOt65<-ES(datSEOEretOUTSAt65$rev.SEOEretOUTSAt65, p=0.975, method="modified")	SEOEESNOt65<-ES(datSEOEretOUTSAt65$rev.SEOEretOUTSAt65, p=0.975, method="gaussian")	SEOEESHIt65	SEOEESMOt65	SEOEESNOt65
SEOEESMOt66<-ES(datSEOEretOUTSAt66$rev.SEOEretOUTSAt66, p=0.975, method="modified")	SEOEESNOt66<-ES(datSEOEretOUTSAt66$rev.SEOEretOUTSAt66, p=0.975, method="gaussian")	SEOEESHIt66	SEOEESMOt66	SEOEESNOt66
SEOEESMOt67<-ES(datSEOEretOUTSAt67$rev.SEOEretOUTSAt67, p=0.975, method="modified")	SEOEESNOt67<-ES(datSEOEretOUTSAt67$rev.SEOEretOUTSAt67, p=0.975, method="gaussian")	SEOEESHIt67	SEOEESMOt67	SEOEESNOt67
SEOEESMOt68<-ES(datSEOEretOUTSAt68$rev.SEOEretOUTSAt68, p=0.975, method="modified")	SEOEESNOt68<-ES(datSEOEretOUTSAt68$rev.SEOEretOUTSAt68, p=0.975, method="gaussian")	SEOEESHIt68	SEOEESMOt68	SEOEESNOt68
SEOEESMOt69<-ES(datSEOEretOUTSAt69$rev.SEOEretOUTSAt69, p=0.975, method="modified")	SEOEESNOt69<-ES(datSEOEretOUTSAt69$rev.SEOEretOUTSAt69, p=0.975, method="gaussian")	SEOEESHIt69	SEOEESMOt69	SEOEESNOt69
SEOEESMOt70<-ES(datSEOEretOUTSAt70$rev.SEOEretOUTSAt70, p=0.975, method="modified")	SEOEESNOt70<-ES(datSEOEretOUTSAt70$rev.SEOEretOUTSAt70, p=0.975, method="gaussian")	SEOEESHIt70	SEOEESMOt70	SEOEESNOt70
SEOEESMOt71<-ES(datSEOEretOUTSAt71$rev.SEOEretOUTSAt71, p=0.975, method="modified")	SEOEESNOt71<-ES(datSEOEretOUTSAt71$rev.SEOEretOUTSAt71, p=0.975, method="gaussian")	SEOEESHIt71	SEOEESMOt71	SEOEESNOt71
SEOEESMOt72<-ES(datSEOEretOUTSAt72$rev.SEOEretOUTSAt72, p=0.975, method="modified")	SEOEESNOt72<-ES(datSEOEretOUTSAt72$rev.SEOEretOUTSAt72, p=0.975, method="gaussian")	SEOEESHIt72	SEOEESMOt72	SEOEESNOt72
SEOEESMOt73<-ES(datSEOEretOUTSAt73$rev.SEOEretOUTSAt73, p=0.975, method="modified")	SEOEESNOt73<-ES(datSEOEretOUTSAt73$rev.SEOEretOUTSAt73, p=0.975, method="gaussian")	SEOEESHIt73	SEOEESMOt73	SEOEESNOt73
SEOEESMOt74<-ES(datSEOEretOUTSAt74$rev.SEOEretOUTSAt74, p=0.975, method="modified")	SEOEESNOt74<-ES(datSEOEretOUTSAt74$rev.SEOEretOUTSAt74, p=0.975, method="gaussian")	SEOEESHIt74	SEOEESMOt74	SEOEESNOt74
SEOEESMOt75<-ES(datSEOEretOUTSAt75$rev.SEOEretOUTSAt75, p=0.975, method="modified")	SEOEESNOt75<-ES(datSEOEretOUTSAt75$rev.SEOEretOUTSAt75, p=0.975, method="gaussian")	SEOEESHIt75	SEOEESMOt75	SEOEESNOt75
SEOEESMOt76<-ES(datSEOEretOUTSAt76$rev.SEOEretOUTSAt76, p=0.975, method="modified")	SEOEESNOt76<-ES(datSEOEretOUTSAt76$rev.SEOEretOUTSAt76, p=0.975, method="gaussian")	SEOEESHIt76	SEOEESMOt76	SEOEESNOt76
SEOEESMOt77<-ES(datSEOEretOUTSAt77$rev.SEOEretOUTSAt77, p=0.975, method="modified")	SEOEESNOt77<-ES(datSEOEretOUTSAt77$rev.SEOEretOUTSAt77, p=0.975, method="gaussian")	SEOEESHIt77	SEOEESMOt77	SEOEESNOt77
SEOEESMOt78<-ES(datSEOEretOUTSAt78$rev.SEOEretOUTSAt78, p=0.975, method="modified")	SEOEESNOt78<-ES(datSEOEretOUTSAt78$rev.SEOEretOUTSAt78, p=0.975, method="gaussian")	SEOEESHIt78	SEOEESMOt78	SEOEESNOt78
SEOEESMOt79<-ES(datSEOEretOUTSAt79$rev.SEOEretOUTSAt79, p=0.975, method="modified")	SEOEESNOt79<-ES(datSEOEretOUTSAt79$rev.SEOEretOUTSAt79, p=0.975, method="gaussian")	SEOEESHIt79	SEOEESMOt79	SEOEESNOt79
SEOEESMOt80<-ES(datSEOEretOUTSAt80$rev.SEOEretOUTSAt80, p=0.975, method="modified")	SEOEESNOt80<-ES(datSEOEretOUTSAt80$rev.SEOEretOUTSAt80, p=0.975, method="gaussian")	SEOEESHIt80	SEOEESMOt80	SEOEESNOt80
SEOEESMOt81<-ES(datSEOEretOUTSAt81$rev.SEOEretOUTSAt81, p=0.975, method="modified")	SEOEESNOt81<-ES(datSEOEretOUTSAt81$rev.SEOEretOUTSAt81, p=0.975, method="gaussian")	SEOEESHIt81	SEOEESMOt81	SEOEESNOt81
SEOEESMOt82<-ES(datSEOEretOUTSAt82$rev.SEOEretOUTSAt82, p=0.975, method="modified")	SEOEESNOt82<-ES(datSEOEretOUTSAt82$rev.SEOEretOUTSAt82, p=0.975, method="gaussian")	SEOEESHIt82	SEOEESMOt82	SEOEESNOt82
SEOEESMOt83<-ES(datSEOEretOUTSAt83$rev.SEOEretOUTSAt83, p=0.975, method="modified")	SEOEESNOt83<-ES(datSEOEretOUTSAt83$rev.SEOEretOUTSAt83, p=0.975, method="gaussian")	SEOEESHIt83	SEOEESMOt83	SEOEESNOt83
SEOEESMOt84<-ES(datSEOEretOUTSAt84$rev.SEOEretOUTSAt84, p=0.975, method="modified")	SEOEESNOt84<-ES(datSEOEretOUTSAt84$rev.SEOEretOUTSAt84, p=0.975, method="gaussian")	SEOEESHIt84	SEOEESMOt84	SEOEESNOt84
SEOEESMOt85<-ES(datSEOEretOUTSAt85$rev.SEOEretOUTSAt85, p=0.975, method="modified")	SEOEESNOt85<-ES(datSEOEretOUTSAt85$rev.SEOEretOUTSAt85, p=0.975, method="gaussian")	SEOEESHIt85	SEOEESMOt85	SEOEESNOt85
SEOEESMOt86<-ES(datSEOEretOUTSAt86$rev.SEOEretOUTSAt86, p=0.975, method="modified")	SEOEESNOt86<-ES(datSEOEretOUTSAt86$rev.SEOEretOUTSAt86, p=0.975, method="gaussian")	SEOEESHIt86	SEOEESMOt86	SEOEESNOt86
SEOEESMOt87<-ES(datSEOEretOUTSAt87$rev.SEOEretOUTSAt87, p=0.975, method="modified")	SEOEESNOt87<-ES(datSEOEretOUTSAt87$rev.SEOEretOUTSAt87, p=0.975, method="gaussian")	SEOEESHIt87	SEOEESMOt87	SEOEESNOt87
SEOEESMOt88<-ES(datSEOEretOUTSAt88$rev.SEOEretOUTSAt88, p=0.975, method="modified")	SEOEESNOt88<-ES(datSEOEretOUTSAt88$rev.SEOEretOUTSAt88, p=0.975, method="gaussian")	SEOEESHIt88	SEOEESMOt88	SEOEESNOt88
SEOEESMOt89<-ES(datSEOEretOUTSAt89$rev.SEOEretOUTSAt89, p=0.975, method="modified")	SEOEESNOt89<-ES(datSEOEretOUTSAt89$rev.SEOEretOUTSAt89, p=0.975, method="gaussian")	SEOEESHIt89	SEOEESMOt89	SEOEESNOt89
SEOEESMOt90<-ES(datSEOEretOUTSAt90$rev.SEOEretOUTSAt90, p=0.975, method="modified")	SEOEESNOt90<-ES(datSEOEretOUTSAt90$rev.SEOEretOUTSAt90, p=0.975, method="gaussian")	SEOEESHIt90	SEOEESMOt90	SEOEESNOt90
SEOEESMOt91<-ES(datSEOEretOUTSAt91$rev.SEOEretOUTSAt91, p=0.975, method="modified")	SEOEESNOt91<-ES(datSEOEretOUTSAt91$rev.SEOEretOUTSAt91, p=0.975, method="gaussian")	SEOEESHIt91	SEOEESMOt91	SEOEESNOt91
SEOEESMOt92<-ES(datSEOEretOUTSAt92$rev.SEOEretOUTSAt92, p=0.975, method="modified")	SEOEESNOt92<-ES(datSEOEretOUTSAt92$rev.SEOEretOUTSAt92, p=0.975, method="gaussian")	SEOEESHIt92	SEOEESMOt92	SEOEESNOt92
SEOEESMOt93<-ES(datSEOEretOUTSAt93$rev.SEOEretOUTSAt93$rev.SEOEretOUTSAt93, p=0.975, method="modified")	SEOEESNOt93<-ES(datSEOEretOUTSAt93$rev.SEOEretOUTSAt93, p=0.975, method="gaussian")	SEOEESHIt93	SEOEESMOt93	SEOEESNOt93
SEOEESMOt94<-ES(datSEOEretOUTSAt94$rev.SEOEretOUTSAt94, p=0.975, method="modified")	SEOEESNOt94<-ES(datSEOEretOUTSAt94$rev.SEOEretOUTSAt94, p=0.975, method="gaussian")	SEOEESHIt94	SEOEESMOt94	SEOEESNOt94
SEOEESMOt95<-ES(datSEOEretOUTSAt95$rev.SEOEretOUTSAt95, p=0.975, method="modified")	SEOEESNOt95<-ES(datSEOEretOUTSAt95$rev.SEOEretOUTSAt95, p=0.975, method="gaussian")	SEOEESHIt95	SEOEESMOt95	SEOEESNOt95
SEOEESMOt96<-ES(datSEOEretOUTSAt96$rev.SEOEretOUTSAt96, p=0.975, method="modified")	SEOEESNOt96<-ES(datSEOEretOUTSAt96$rev.SEOEretOUTSAt96, p=0.975, method="gaussian")	SEOEESHIt96	SEOEESMOt96	SEOEESNOt96
SEOEESMOt97<-ES(datSEOEretOUTSAt97$rev.SEOEretOUTSAt97, p=0.975, method="modified")	SEOEESNOt97<-ES(datSEOEretOUTSAt97$rev.SEOEretOUTSAt97, p=0.975, method="gaussian")	SEOEESHIt97	SEOEESMOt97	SEOEESNOt97
SEOEESMOt98<-ES(datSEOEretOUTSAt98$rev.SEOEretOUTSAt98, p=0.975, method="modified")	SEOEESNOt98<-ES(datSEOEretOUTSAt98$rev.SEOEretOUTSAt98, p=0.975, method="gaussian")	SEOEESHIt98	SEOEESMOt98	SEOEESNOt98
SEOEESMOt99<-ES(datSEOEretOUTSAt99$rev.SEOEretOUTSAt99, p=0.975, method="modified")	SEOEESNOt99<-ES(datSEOEretOUTSAt99$rev.SEOEretOUTSAt99, p=0.975, method="gaussian")	SEOEESHIt99	SEOEESMOt99	SEOEESNOt99
SEOEESMOt100<-ES(datSEOEretOUTSAt100$rev.SEOEretOUTSAt100, p=0.975, method="modified")	SEOEESNOt100<-ES(datSEOEretOUTSAt100$rev.SEOEretOUTSAt100, p=0.975, method="gaussian")	SEOEESHIt100	SEOEESMOt100	SEOEESNOt

SEOEESNOt121<-ES(datSEOEretOUTSAt121$rev.SEOEretOUTSAt121, p=0.975, method="modified")	SEOEESNOt121<-ES(datSEOEretOUTSAt121$rev.SEOEretOUTSAt121, p=0.975, method="gaussian")	SEOEESHIt121	SEOEESMDt121	SEOEESNDt121
SEOEESNOt122<-ES(datSEOEretOUTSAt122$rev.SEOEretOUTSAt122, p=0.975, method="modified")	SEOEESNOt122<-ES(datSEOEretOUTSAt122$rev.SEOEretOUTSAt122, p=0.975, method="gaussian")	SEOEESHIt122	SEOEESMDt122	SEOEESNDt122
SEOEESNOt123<-ES(datSEOEretOUTSAt123$rev.SEOEretOUTSAt123, p=0.975, method="modified")	SEOEESNOt123<-ES(datSEOEretOUTSAt123$rev.SEOEretOUTSAt123, p=0.975, method="gaussian")	SEOEESHIt123	SEOEESMDt123	SEOEESNDt123
SEOEESNOt124<-ES(datSEOEretOUTSAt124$rev.SEOEretOUTSAt124, p=0.975, method="modified")	SEOEESNOt124<-ES(datSEOEretOUTSAt124$rev.SEOEretOUTSAt124, p=0.975, method="gaussian")	SEOEESHIt124	SEOEESMDt124	SEOEESNDt124
SEOEESNOt125<-ES(datSEOEretOUTSAt125$rev.SEOEretOUTSAt125, p=0.975, method="modified")	SEOEESNOt125<-ES(datSEOEretOUTSAt125$rev.SEOEretOUTSAt125, p=0.975, method="gaussian")	SEOEESHIt125	SEOEESMDt125	SEOEESNDt125
SEOEESNOt126<-ES(datSEOEretOUTSAt126$rev.SEOEretOUTSAt126, p=0.975, method="modified")	SEOEESNOt126<-ES(datSEOEretOUTSAt126$rev.SEOEretOUTSAt126, p=0.975, method="gaussian")	SEOEESHIt126	SEOEESMDt126	SEOEESNDt126
SEOEESNOt127<-ES(datSEOEretOUTSAt127$rev.SEOEretOUTSAt127, p=0.975, method="modified")	SEOEESNOt127<-ES(datSEOEretOUTSAt127$rev.SEOEretOUTSAt127, p=0.975, method="gaussian")	SEOEESHIt127	SEOEESMDt127	SEOEESNDt127
SEOEESNOt128<-ES(datSEOEretOUTSAt128$rev.SEOEretOUTSAt128, p=0.975, method="modified")	SEOEESNOt128<-ES(datSEOEretOUTSAt128$rev.SEOEretOUTSAt128, p=0.975, method="gaussian")	SEOEESHIt128	SEOEESMDt128	SEOEESNDt128
SEOEESNOt129<-ES(datSEOEretOUTSAt129$rev.SEOEretOUTSAt129, p=0.975, method="modified")	SEOEESNOt129<-ES(datSEOEretOUTSAt129$rev.SEOEretOUTSAt129, p=0.975, method="gaussian")	SEOEESHIt129	SEOEESMDt129	SEOEESNDt129
SEOEESNOt130<-ES(datSEOEretOUTSAt130$rev.SEOEretOUTSAt130, p=0.975, method="modified")	SEOEESNOt130<-ES(datSEOEretOUTSAt130$rev.SEOEretOUTSAt130, p=0.975, method="gaussian")	SEOEESHIt130	SEOEESMDt130	SEOEESNDt130
SEOEESNOt131<-ES(datSEOEretOUTSAt131$rev.SEOEretOUTSAt131, p=0.975, method="modified")	SEOEESNOt131<-ES(datSEOEretOUTSAt131$rev.SEOEretOUTSAt131, p=0.975, method="gaussian")	SEOEESHIt131	SEOEESMDt131	SEOEESNDt131
SEOEESNOt132<-ES(datSEOEretOUTSAt132$rev.SEOEretOUTSAt132, p=0.975, method="modified")	SEOEESNOt132<-ES(datSEOEretOUTSAt132$rev.SEOEretOUTSAt132, p=0.975, method="gaussian")	SEOEESHIt132	SEOEESMDt132	SEOEESNDt132
SEOEESNOt133<-ES(datSEOEretOUTSAt133$rev.SEOEretOUTSAt133, p=0.975, method="modified")	SEOEESNOt133<-ES(datSEOEretOUTSAt133$rev.SEOEretOUTSAt133, p=0.975, method="gaussian")	SEOEESHIt133	SEOEESMDt133	SEOEESNDt133
SEOEESNOt134<-ES(datSEOEretOUTSAt134$rev.SEOEretOUTSAt134, p=0.975, method="modified")	SEOEESNOt134<-ES(datSEOEretOUTSAt134$rev.SEOEretOUTSAt134, p=0.975, method="gaussian")	SEOEESHIt134	SEOEESMDt134	SEOEESNDt134
SEOEESNOt135<-ES(datSEOEretOUTSAt135$rev.SEOEretOUTSAt135, p=0.975, method="modified")	SEOEESNOt135<-ES(datSEOEretOUTSAt135$rev.SEOEretOUTSAt135, p=0.975, method="gaussian")	SEOEESHIt135	SEOEESMDt135	SEOEESNDt135
SEOEESNOt136<-ES(datSEOEretOUTSAt136$rev.SEOEretOUTSAt136, p=0.975, method="modified")	SEOEESNOt136<-ES(datSEOEretOUTSAt136$rev.SEOEretOUTSAt136, p=0.975, method="gaussian")	SEOEESHIt136	SEOEESMDt136	SEOEESNDt136
SEOEESNOt137<-ES(datSEOEretOUTSAt137$rev.SEOEretOUTSAt137, p=0.975, method="modified")	SEOEESNOt137<-ES(datSEOEretOUTSAt137$rev.SEOEretOUTSAt137, p=0.975, method="gaussian")	SEOEESHIt137	SEOEESMDt137	SEOEESNDt137
SEOEESNOt138<-ES(datSEOEretOUTSAt138$rev.SEOEretOUTSAt138, p=0.975, method="modified")	SEOEESNOt138<-ES(datSEOEretOUTSAt138$rev.SEOEretOUTSAt138, p=0.975, method="gaussian")	SEOEESHIt138	SEOEESMDt138	SEOEESNDt138
SEOEESNOt139<-ES(datSEOEretOUTSAt139$rev.SEOEretOUTSAt139, p=0.975, method="modified")	SEOEESNOt139<-ES(datSEOEretOUTSAt139$rev.SEOEretOUTSAt139, p=0.975, method="gaussian")	SEOEESHIt139	SEOEESMDt139	SEOEESNDt139
SEOEESNOt140<-ES(datSEOEretOUTSAt140$rev.SEOEretOUTSAt140, p=0.975, method="modified")	SEOEESNOt140<-ES(datSEOEretOUTSAt140$rev.SEOEretOUTSAt140, p=0.975, method="gaussian")	SEOEESHIt140	SEOEESMDt140	SEOEESNDt140
SEOEESNOt141<-ES(datSEOEretOUTSAt141$rev.SEOEretOUTSAt141, p=0.975, method="modified")	SEOEESNOt141<-ES(datSEOEretOUTSAt141$rev.SEOEretOUTSAt141, p=0.975, method="gaussian")	SEOEESHIt141	SEOEESMDt141	SEOEESNDt141
SEOEESNOt142<-ES(datSEOEretOUTSAt142$rev.SEOEretOUTSAt142, p=0.975, method="modified")	SEOEESNOt142<-ES(datSEOEretOUTSAt142$rev.SEOEretOUTSAt142, p=0.975, method="gaussian")	SEOEESHIt142	SEOEESMDt142	SEOEESNDt142
SEOEESNOt143<-ES(datSEOEretOUTSAt143$rev.SEOEretOUTSAt143, p=0.975, method="modified")	SEOEESNOt143<-ES(datSEOEretOUTSAt143$rev.SEOEretOUTSAt143, p=0.975, method="gaussian")	SEOEESHIt143	SEOEESMDt143	SEOEESNDt143
SEOEESNOt144<-ES(datSEOEretOUTSAt144$rev.SEOEretOUTSAt144, p=0.975, method="modified")	SEOEESNOt144<-ES(datSEOEretOUTSAt144$rev.SEOEretOUTSAt144, p=0.975, method="gaussian")	SEOEESHIt144	SEOEESMDt144	SEOEESNDt144
SEOEESNOt145<-ES(datSEOEretOUTSAt145$rev.SEOEretOUTSAt145, p=0.975, method="modified")	SEOEESNOt145<-ES(datSEOEretOUTSAt145$rev.SEOEretOUTSAt145, p=0.975, method="gaussian")	SEOEESHIt145	SEOEESMDt145	SEOEESNDt145
SEOEESNOt146<-ES(datSEOEretOUTSAt146$rev.SEOEretOUTSAt146, p=0.975, method="modified")	SEOEESNOt146<-ES(datSEOEretOUTSAt146$rev.SEOEretOUTSAt146, p=0.975, method="gaussian")	SEOEESHIt146	SEOEESMDt146	SEOEESNDt146
SEOEESNOt147<-ES(datSEOEretOUTSAt147$rev.SEOEretOUTSAt147, p=0.975, method="modified")	SEOEESNOt147<-ES(datSEOEretOUTSAt147$rev.SEOEretOUTSAt147, p=0.975, method="gaussian")	SEOEESHIt147	SEOEESMDt147	SEOEESNDt147
SEOEESNOt148<-ES(datSEOEretOUTSAt148$rev.SEOEretOUTSAt148, p=0.975, method="modified")	SEOEESNOt148<-ES(datSEOEretOUTSAt148$rev.SEOEretOUTSAt148, p=0.975, method="gaussian")	SEOEESHIt148	SEOEESMDt148	SEOEESNDt148
SEOEESNOt149<-ES(datSEOEretOUTSAt149$rev.SEOEretOUTSAt149, p=0.975, method="modified")	SEOEESNOt149<-ES(datSEOEretOUTSAt149$rev.SEOEretOUTSAt149, p=0.975, method="gaussian")	SEOEESHIt149	SEOEESMDt149	SEOEESNDt149
SEOEESNOt150<-ES(datSEOEretOUTSAt150$rev.SEOEretOUTSAt150, p=0.975, method="modified")	SEOEESNOt150<-ES(datSEOEretOUTSAt150$rev.SEOEretOUTSAt150, p=0.975, method="gaussian")	SEOEESHIt150	SEOEESMDt150	SEOEESNDt150
SEOEESNOt151<-ES(datSEOEretOUTSAt151$rev.SEOEretOUTSAt151, p=0.975, method="modified")	SEOEESNOt151<-ES(datSEOEretOUTSAt151$rev.SEOEretOUTSAt151, p=0.975, method="gaussian")	SEOEESHIt151	SEOEESMDt151	SEOEESNDt151
SEOEESNOt152<-ES(datSEOEretOUTSAt152$rev.SEOEretOUTSAt152, p=0.975, method="modified")	SEOEESNOt152<-ES(datSEOEretOUTSAt152$rev.SEOEretOUTSAt152, p=0.975, method="gaussian")	SEOEESHIt152	SEOEESMDt152	SEOEESNDt152
SEOEESNOt153<-ES(datSEOEretOUTSAt153$rev.SEOEretOUTSAt153, p=0.975, method="modified")	SEOEESNOt153<-ES(datSEOEretOUTSAt153$rev.SEOEretOUTSAt153, p=0.975, method="gaussian")	SEOEESHIt153	SEOEESMDt153	SEOEESNDt153
SEOEESNOt154<-ES(datSEOEretOUTSAt154$rev.SEOEretOUTSAt154, p=0.975, method="modified")	SEOEESNOt154<-ES(datSEOEretOUTSAt154$rev.SEOEretOUTSAt154, p=0.975, method="gaussian")	SEOEESHIt154	SEOEESMDt154	SEOEESNDt154
SEOEESNOt155<-ES(datSEOEretOUTSAt155$rev.SEOEretOUTSAt155, p=0.975, method="modified")	SEOEESNOt155<-ES(datSEOEretOUTSAt155$rev.SEOEretOUTSAt155, p=0.975, method="gaussian")	SEOEESHIt155	SEOEESMDt155	SEOEESNDt155
SEOEESNOt156<-ES(datSEOEretOUTSAt156$rev.SEOEretOUTSAt156, p=0.975, method="modified")	SEOEESNOt156<-ES(datSEOEretOUTSAt156$rev.SEOEretOUTSAt156, p=0.975, method="gaussian")	SEOEESHIt156	SEOEESMDt156	SEOEESNDt156
SEOEESNOt157<-ES(datSEOEretOUTSAt157$rev.SEOEretOUTSAt157, p=0.975, method="modified")	SEOEESNOt157<-ES(datSEOEretOUTSAt157$rev.SEOEretOUTSAt157, p=0.975, method="gaussian")	SEOEESHIt157	SEOEESMDt157	SEOEESNDt157
SEOEESNOt158<-ES(datSEOEretOUTSAt158$rev.SEOEretOUTSAt158, p=0.975, method="modified")	SEOEESNOt158<-ES(datSEOEretOUTSAt158$rev.SEOEretOUTSAt158, p=0.975, method="gaussian")	SEOEESHIt158	SEOEESMDt158	SEOEESNDt158
SEOEESNOt159<-ES(datSEOEretOUTSAt159$rev.SEOEretOUTSAt159, p=0.975, method="modified")	SEOEESNOt159<-ES(datSEOEretOUTSAt159$rev.SEOEretOUTSAt159, p=0.975, method="gaussian")	SEOEESHIt159	SEOEESMDt159	SEOEESNDt159
SEOEESNOt160<-ES(datSEOEretOUTSAt160$rev.SEOEretOUTSAt160, p=0.975, method="modified")	SEOEESNOt160<-ES(datSEOEretOUTSAt160$rev.SEOEretOUTSAt160, p=0.975, method="gaussian")	SEOEESHIt160	SEOEESMDt160	SEOEESNDt160
SEOEESNOt161<-ES(datSEOEretOUTSAt161$rev.SEOEretOUTSAt161, p=0.975, method="modified")	SEOEESNOt161<-ES(datSEOEretOUTSAt161$rev.SEOEretOUTSAt161, p=0.975, method="gaussian")	SEOEESHIt161	SEOEESMDt161	SEOEESNDt161
SEOEESNOt162<-ES(datSEOEretOUTSAt162$rev.SEOEretOUTSAt162, p=0.975, method="modified")	SEOEESNOt162<-ES(datSEOEretOUTSAt162$rev.SEOEretOUTSAt162, p=0.975, method="gaussian")	SEOEESHIt162	SEOEESMDt162	SEOEESNDt162
SEOEESNOt163<-ES(datSEOEretOUTSAt163$rev.SEOEretOUTSAt163, p=0.975, method="modified")	SEOEESNOt163<-ES(datSEOEretOUTSAt163$rev.SEOEretOUTSAt163, p=0.975, method="gaussian")	SEOEESHIt163	SEOEESMDt163	SEOEESNDt163
SEOEESNOt164<-ES(datSEOEretOUTSAt164$rev.SEOEretOUTSAt164, p=0.975, method="modified")	SEOEESNOt164<-ES(datSEOEretOUTSAt164$rev.SEOEretOUTSAt164, p=0.975, method="gaussian")	SEOEESHIt164	SEOEESMDt164	SEOEESNDt164
SEOEESNOt165<-ES(datSEOEretOUTSAt165$rev.SEOEretOUTSAt165, p=0.975, method="modified")	SEOEESNOt165<-ES(datSEOEretOUTSAt165$rev.SEOEretOUTSAt165, p=0.975, method="gaussian")	SEOEESHIt165	SEOEESMDt165	SEOEESNDt165
SEOEESNOt166<-ES(datSEOEretOUTSAt166$rev.SEOEretOUTSAt166, p=0.975, method="modified")	SEOEESNOt166<-ES(datSEOEretOUTSAt166$rev.SEOEretOUTSAt166, p=0.975, method="gaussian")	SEOEESHIt166	SEOEESMDt166	SEOEESNDt166
SEOEESNOt167<-ES(datSEOEretOUTSAt167$rev.SEOEretOUTSAt167, p=0.975, method="modified")	SEOEESNOt167<-ES(datSEOEretOUTSAt167$rev.SEOEretOUTSAt167, p=0.975, method="gaussian")	SEOEESHIt167	SEOEESMDt167	SEOEESNDt167
SEOEESNOt168<-ES(datSEOEretOUTSAt168$rev.SEOEretOUTSAt168, p=0.975, method="modified")	SEOEESNOt168<-ES(datSEOEretOUTSAt168$rev.SEOEretOUTSAt168, p=0.975, method="gaussian")	SEOEESHIt168	SEOEESMDt168	SEOEESNDt168
SEOEESNOt169<-ES(datSEOEretOUTSAt169$rev.SEOEretOUTSAt169, p=0.975, method="modified")	SEOEESNOt169<-ES(datSEOEretOUTSAt169$rev.SEOEretOUTSAt169, p=0.975, method="gaussian")	SEOEESHIt169	SEOEESMDt169	SEOEESNDt169
SEOEESNOt170<-ES(datSEOEretOUTSAt170$rev.SEOEretOUTSAt170, p=0.975, method="modified")	SEOEESNOt170<-ES(datSEOEretOUTSAt170$rev.SEOEretOUTSAt170, p=0.975, method="gaussian")	SEOEESHIt170	SEOEESMDt170	SEOEESNDt170
SEOEESNOt171<-ES(datSEOEretOUTSAt171$rev.SEOEretOUTSAt171, p=0.975, method="modified")	SEOEESNOt171<-ES(datSEOEretOUTSAt171$rev.SEOEretOUTSAt171, p=0.975, method="gaussian")	SEOEESHIt171	SEOEESMDt171	SEOEESNDt171
SEOEESNOt172<-ES(datSEOEretOUTSAt172$rev.SEOEretOUTSAt172, p=0.975, method="modified")	SEOEESNOt172<-ES(datSEOEretOUTSAt172$rev.SEOEretOUTSAt172, p=0.975, method="gaussian")	SEOEESHIt172	SEOEESMDt172	SEOEESNDt172
SEOEESNOt173<-ES(datSEOEretOUTSAt173$rev.SEOEretOUTSAt173, p=0.975, method="modified")	SEOEESNOt173<-ES(datSEOEretOUTSAt173$rev.SEOEretOUTSAt173, p=0.975, method="gaussian")	SEOEESHIt173	SEOEESMDt173	SEOEESNDt173
SEOEESNOt174<-ES(datSEOEretOUTSAt174$rev.SEOEretOUTSAt174, p=0.975, method="modified")	SEOEESNOt174<-ES(datSEOEretOUTSAt174$rev.SEOEretOUTSAt174, p=0.975, method="gaussian")	SEOEESHIt174	SEOEESMDt174	SEOEESNDt174
SEOEESNOt175<-ES(datSEOEretOUTSAt175$rev.SEOEretOUTSAt175, p=0.975, method="modified")	SEOEESNOt175<-ES(datSEOEretOUTSAt175$rev.SEOEretOUTSAt175, p=0.975, method="gaussian")	SEOEESHIt175	SEOEESMDt175	SEOEESNDt175
SEOEESNOt176<-ES(datSEOEretOUTSAt176$rev.SEOEretOUTSAt176, p=0.975, method="modified")	SEOEESNOt176<-ES(datSEOEretOUTSAt176$rev.SEOEretOUTSAt176, p=0.975, method="gaussian")	SEOEESHIt176	SEOEESMDt176	SEOEESNDt176
SEOEESNOt177<-ES(datSEOEretOUTSAt177$rev.SEOEretOUTSAt177, p=0.975, method="modified")	SEOEESNOt177<-ES(datSEOEretOUTSAt177$rev.SEOEretOUTSAt177, p=0.975, method="gaussian")	SEOEESHIt177	SEOEESMDt177	SEOEESNDt177
SEOEESNOt178<-ES(datSEOEretOUTSAt178$rev.SEOEretOUTSAt178, p=0.975, method="modified")	SEOEESNOt178<-ES(datSEOEretOUTSAt178$rev.SEOEretOUTSAt178, p=0.975, method="gaussian")	SEOEESHIt178	SEOEESMDt178	SEOEESNDt178
SEOEESNOt179<-ES(datSEOEretOUTSAt179$rev.SEOEretOUTSAt179, p=0.975, method="modified")	SEOEESNOt179<-ES(datSEOEretOUTSAt179$rev.SEOEretOUTSAt179, p=0.975, method="gaussian")	SEOEESHIt179	SEOEESMDt179	SEOEESNDt179
SEOEESNOt180<-ES(datSEOEretOUTSAt180$rev.SEOEretOUTSAt180, p=0.975, method="modified")	SEOEESNOt180<-ES(datSEOEretOUTSAt180$rev.SEOEretOUTSAt180, p=0.975, method="gaussian")	SEOEESHIt180	SEOEESMDt180	SEOEESNDt180
SEOEESNOt181<-ES(datSEOEretOUTSAt181$rev.SEOEretOUTSAt181, p=0.975, method="modified")	SEOEESNOt181<-ES(datSEOEretOUTSAt181$rev.SEOEretOUTSAt181, p=0.975, method="gaussian")	SEOEESHIt181	SEOEESMDt181	SEOEESNDt181
SEOEESNOt1<-ES(datSEOEretOUTSAt1$rev.SEOEretOUTSAt1, p=0.975, method="modified")	SEOEESNOt1<-ES(datSEOEretOUTSAt1$rev.SEOEretOUTSAt1, p=0.975, method="gaussian")	SEOEESHIt1	SEOEESMDt1	SEOEESNDt1
SEOEESNOt2<-ES(datSEOEretOUTSAt2$rev.SEOEretOUTSAt2, p=0.975, method="modified")	SEOEESNOt2<-ES(datSEOEretOUTSAt2$rev.SEOEretOUTSAt2, p=0.975, method="gaussian")	SEOEESHIt2	SEOEESMDt2	SEOEESNDt2
SEOEESNOt3<-ES(datSEOEretOUTSAt3$rev.SEOEretOUTSAt3, p=0.975, method="modified")	SEOEESNOt3<-ES(datSEOEretOUTSAt3$rev.SEOEretOUTSAt3, p=0.975, method="gaussian")	SEOEESHIt3	SEOEESMDt3	SEOEESNDt3

SEOEESNOt67<-ES(datSEOEretOUTSAt67$rev.SEOEretOUTSAt67, p=0.975, method="modified")	SEOEESNOt67<-ES(datSEOEretOUTSAt67$rev.SEOEretOUTSAt67, p=0.975, method="gaussian")	SEOEESHIt67	SEOEESMOt67	SEOEESNOt67
SEOEESNOt68<-ES(datSEOEretOUTSAt68$rev.SEOEretOUTSAt68, p=0.975, method="modified")	SEOEESNOt68<-ES(datSEOEretOUTSAt68$rev.SEOEretOUTSAt68, p=0.975, method="gaussian")	SEOEESHIt68	SEOEESMOt68	SEOEESNOt68
SEOEESNOt69<-ES(datSEOEretOUTSAt69$rev.SEOEretOUTSAt69, p=0.975, method="modified")	SEOEESNOt69<-ES(datSEOEretOUTSAt69$rev.SEOEretOUTSAt69, p=0.975, method="gaussian")	SEOEESHIt69	SEOEESMOt69	SEOEESNOt69

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SEAIESMOt13<-ES(datSEAIretOUTSAt13$rev.SEAIretOUTSAt13, p=0.975, method="modified")
SEAIESMOt14<-ES(datSEAIretOUTSAt14$rev.SEAIretOUTSAt14, p=0.975, method="modified")
SEAIESMOt15<-ES(datSEAIretOUTSAt15$rev.SEAIretOUTSAt15, p=0.975, method="modified")
SEAIESMOt16<-ES(datSEAIretOUTSAt16$rev.SEAIretOUTSAt16, p=0.975, method="modified")
SEAIESMOt17<-ES(datSEAIretOUTSAt17$rev.SEAIretOUTSAt17, p=0.975, method="modified")
SEAIESMOt18<-ES(datSEAIretOUTSAt18$rev.SEAIretOUTSAt18, p=0.975, method="modified")
SEAIESMOt19<-ES(datSEAIretOUTSAt19$rev.SEAIretOUTSAt19, p=0.975, method="modified")
SEAIESMOt20<-ES(datSEAIretOUTSAt20$rev.SEAIretOUTSAt20, p=0.975, method="modified")
SEAIESMOt21<-ES(datSEAIretOUTSAt21$rev.SEAIretOUTSAt21, p=0.975, method="modified")
SEAIESMOt22<-ES(datSEAIretOUTSAt22$rev.SEAIretOUTSAt22, p=0.975, method="modified")
SEAIESMOt23<-ES(datSEAIretOUTSAt23$rev.SEAIretOUTSAt23, p=0.975, method="modified")
SEAIESMOt24<-ES(datSEAIretOUTSAt24$rev.SEAIretOUTSAt24, p=0.975, method="modified")
SEAIESMOt25<-ES(datSEAIretOUTSAt25$rev.SEAIretOUTSAt25, p=0.975, method="modified")
SEAIESMOt26<-ES(datSEAIretOUTSAt26$rev.SEAIretOUTSAt26, p=0.975, method="modified")
SEAIESMOt27<-ES(datSEAIretOUTSAt27$rev.SEAIretOUTSAt27, p=0.975, method="modified")
SEAIESMOt28<-ES(datSEAIretOUTSAt28$rev.SEAIretOUTSAt28, p=0.975, method="modified")
SEAIESMOt29<-ES(datSEAIretOUTSAt29$rev.SEAIretOUTSAt29, p=0.975, method="modified")
SEAIESMOt30<-ES(datSEAIretOUTSAt30$rev.SEAIretOUTSAt30, p=0.975, method="modified")
SEAIESMOt31<-ES(datSEAIretOUTSAt31$rev.SEAIretOUTSAt31, p=0.975, method="modified")
SEAIESMOt32<-ES(datSEAIretOUTSAt32$rev.SEAIretOUTSAt32, p=0.975, method="modified")
SEAIESMOt33<-ES(datSEAIretOUTSAt33$rev.SEAIretOUTSAt33, p=0.975, method="modified")
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SEAIESNOt105<-ES(datSEAIretOUTSAt105$rev.SEAIretOUTSAt105, p=0.975, method="gaussian")
SEAIESNOt106<-ES(datSEAIretOUTSAt106$rev.SEAIretOUTSAt106, p=0.975, method="gaussian")
SEAIESNOt107<-ES(datSEAIretOUTSAt107$rev.SEAIretOUTSAt107, p=0.975, method="gaussian")
SEAIESNOt108<-ES(datSEAIretOUTSAt108$rev.SEAIretOUTSAt108, p=0.975, method="gaussian")
SEAIESNOt109<-ES(datSEAIretOUTSAt109$rev.SEAIretOUTSAt109, p=0.975, method="gaussian")
SEAIESNOt110<-ES(datSEAIretOUTSAt110$rev.SEAIretOUTSAt110, p=0.975, method="gaussian")
SEAIESNOt111<-ES(datSEAIretOUTSAt111$rev.SEAIretOUTSAt111, p=0.975, method="gaussian")
SEAIESNOt112<-ES(datSEAIretOUTSAt112$rev.SEAIretOUTSAt112, p=0.975, method="gaussian")
SEAIESNOt113<-ES(datSEAIretOUTSAt113$rev.SEAIretOUTSAt113, p=0.975, method="gaussian")
SEAIESNOt114<-ES(datSEAIretOUTSAt114$rev.SEAIretOUTSAt114, p=0.975, method="gaussian")
SEAIESNOt115<-ES(datSEAIretOUTSAt115$rev.SEAIretOUTSAt115, p=0.975, method="gaussian")
SEAIESNOt116<-ES(datSEAIretOUTSAt116$rev.SEAIretOUTSAt116, p=0.975, method="gaussian")
SEAIESNOt117<-ES(datSEAIretOUTSAt117$rev.SEAIretOUTSAt117, p=0.975, method="gaussian")
SEAIESNOt118<-ES(datSEAIretOUTSAt118$rev.SEAIretOUTSAt118, p=0.975, method="gaussian")
SEAIESNOt119<-ES(datSEAIretOUTSAt119$rev.SEAIretOUTSAt119, p=0.975, method="gaussian")
SEAIESNOt120<-ES(datSEAIretOUTSAt120$rev.SEAIretOUTSAt120, p=0.975, method="gaussian")
SEAIESNOt121<-ES(datSEAIretOUTSAt121$rev.SEAIretOUTSAt121, p=0.975, method="gaussian")
SEAIESNOt122<-ES(datSEAIretOUTSAt122$rev.SEAIretOUTSAt122, p=0.975, method="gaussian")
SEAIESNOt123<-ES(datSEAIretOUTSAt123$rev.SEAIretOUTSAt123, p=0.975, method="gaussian")
SEAIESNOt124<-ES(datSEAIretOUTSAt124$rev.SEAIretOUTSAt124, p=0.975, method="gaussian")
SEAIESNOt125<-ES(datSEAIretOUTSAt125$rev.SEAIretOUTSAt125, p=0.975, method="gaussian")
SEAIESNOt126<-ES(datSEAIretOUTSAt126$rev.SEAIretOUTSAt126, p=0.975, method="gaussian")
SEAIESNOt127<-ES(datSEAIretOUTSAt127$rev.SEAIretOUTSAt127, p=0.975, method="gaussian")
SEAIESNOt128<-ES(datSEAIretOUTSAt128$rev.SEAIretOUTSAt128, p=0.975, method="gaussian")
SEAIESNOt129<-ES(datSEAIretOUTSAt129$rev.SEAIretOUTSAt129, p=0.975, method="gaussian")
SEAIESNOt130<-ES(datSEAIretOUTSAt130$rev.SEAIretOUTSAt130, p=0.975, method="gaussian")
SEAIESNOt131<-ES(datSEAIretOUTSAt131$rev.SEAIretOUTSAt131, p=0.975, method="gaussian")
SEAIESNOt132<-ES(datSEAIretOUTSAt132$rev.SEAIretOUTSAt132, p=0.975, method="gaussian")
SEAIESNOt133<-ES(datSEAIretOUTSAt133$rev.SEAIretOUTSAt133, p=0.975, method="gaussian")
SEAIESNOt134<-ES(datSEAIretOUTSAt134$rev.SEAIretOUTSAt134, p=0.975, method="gaussian")
SEAIESNOt135<-ES(datSEAIretOUTSAt135$rev.SEAIretOUTSAt135, p=0.975, method="gaussian")
SEAIESNOt136<-ES(datSEAIretOUTSAt136$rev.SEAIretOUTSAt136, p=0.975, method="gaussian")
SEAIESNOt137<-ES(datSEAIretOUTSAt137$rev.SEAIretOUTSAt137, p=0.975, method="gaussian")
SEAIESNOt138<-ES(datSEAIretOUTSAt138$rev.SEAIretOUTSAt138, p=0.975, method="gaussian")
SEAIESNOt139<-ES(datSEAIretOUTSAt139$rev.SEAIretOUTSAt139, p=0.975, method="gaussian")
SEAIESNOt140<-ES(datSEAIretOUTSAt140$rev.SEAIretOUTSAt140, p=0.975, method="gaussian")
SEAIESNOt141<-ES(datSEAIretOUTSAt141$rev.SEAIretOUTSAt141, p=0.975, method="gaussian")

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SEAIESMDt142<-ES(datSEAIretOUTSAt142$rev.SEAIretOUTSAt142, p=0.975, method="modified")	SEAIESNDt142<-ES(datSEAIretOUTSAt142$rev.SEAIretOUTSAt142, p=0.975, method="gaussian")	SEAIESHIt142	SEAIESMDt142	SEAIESNDt142
SEAIESMDt143<-ES(datSEAIretOUTSAt143$rev.SEAIretOUTSAt143, p=0.975, method="modified")	SEAIESNDt143<-ES(datSEAIretOUTSAt143$rev.SEAIretOUTSAt143, p=0.975, method="gaussian")	SEAIESHIt143	SEAIESMDt143	SEAIESNDt143
SEAIESMDt144<-ES(datSEAIretOUTSAt144$rev.SEAIretOUTSAt144, p=0.975, method="modified")	SEAIESNDt144<-ES(datSEAIretOUTSAt144$rev.SEAIretOUTSAt144, p=0.975, method="gaussian")	SEAIESHIt144	SEAIESMDt144	SEAIESNDt144
SEAIESMDt145<-ES(datSEAIretOUTSAt145$rev.SEAIretOUTSAt145, p=0.975, method="modified")	SEAIESNDt145<-ES(datSEAIretOUTSAt145$rev.SEAIretOUTSAt145, p=0.975, method="gaussian")	SEAIESHIt145	SEAIESMDt145	SEAIESNDt145
SEAIESMDt146<-ES(datSEAIretOUTSAt146$rev.SEAIretOUTSAt146, p=0.975, method="modified")	SEAIESNDt146<-ES(datSEAIretOUTSAt146$rev.SEAIretOUTSAt146, p=0.975, method="gaussian")	SEAIESHIt146	SEAIESMDt146	SEAIESNDt146
SEAIESMDt147<-ES(datSEAIretOUTSAt147$rev.SEAIretOUTSAt147, p=0.975, method="modified")	SEAIESNDt147<-ES(datSEAIretOUTSAt147$rev.SEAIretOUTSAt147, p=0.975, method="gaussian")	SEAIESHIt147	SEAIESMDt147	SEAIESNDt147
SEAIESMDt148<-ES(datSEAIretOUTSAt148$rev.SEAIretOUTSAt148, p=0.975, method="modified")	SEAIESNDt148<-ES(datSEAIretOUTSAt148$rev.SEAIretOUTSAt148, p=0.975, method="gaussian")	SEAIESHIt148	SEAIESMDt148	SEAIESNDt148
SEAIESMDt149<-ES(datSEAIretOUTSAt149$rev.SEAIretOUTSAt149, p=0.975, method="modified")	SEAIESNDt149<-ES(datSEAIretOUTSAt149$rev.SEAIretOUTSAt149, p=0.975, method="gaussian")	SEAIESHIt149	SEAIESMDt149	SEAIESNDt149
SEAIESMDt150<-ES(datSEAIretOUTSAt150$rev.SEAIretOUTSAt150, p=0.975, method="modified")	SEAIESNDt150<-ES(datSEAIretOUTSAt150$rev.SEAIretOUTSAt150, p=0.975, method="gaussian")	SEAIESHIt150	SEAIESMDt150	SEAIESNDt150
SEAIESMDt151<-ES(datSEAIretOUTSAt151$rev.SEAIretOUTSAt151, p=0.975, method="modified")	SEAIESNDt151<-ES(datSEAIretOUTSAt151$rev.SEAIretOUTSAt151, p=0.975, method="gaussian")	SEAIESHIt151	SEAIESMDt151	SEAIESNDt151
SEAIESMDt152<-ES(datSEAIretOUTSAt152$rev.SEAIretOUTSAt152, p=0.975, method="modified")	SEAIESNDt152<-ES(datSEAIretOUTSAt152$rev.SEAIretOUTSAt152, p=0.975, method="gaussian")	SEAIESHIt152	SEAIESMDt152	SEAIESNDt152
SEAIESMDt153<-ES(datSEAIretOUTSAt153$rev.SEAIretOUTSAt153, p=0.975, method="modified")	SEAIESNDt153<-ES(datSEAIretOUTSAt153$rev.SEAIretOUTSAt153, p=0.975, method="gaussian")	SEAIESHIt153	SEAIESMDt153	SEAIESNDt153
SEAIESMDt154<-ES(datSEAIretOUTSAt154$rev.SEAIretOUTSAt154, p=0.975, method="modified")	SEAIESNDt154<-ES(datSEAIretOUTSAt154$rev.SEAIretOUTSAt154, p=0.975, method="gaussian")	SEAIESHIt154	SEAIESMDt154	SEAIESNDt154
SEAIESMDt155<-ES(datSEAIretOUTSAt155$rev.SEAIretOUTSAt155, p=0.975, method="modified")	SEAIESNDt155<-ES(datSEAIretOUTSAt155$rev.SEAIretOUTSAt155, p=0.975, method="gaussian")	SEAIESHIt155	SEAIESMDt155	SEAIESNDt155
SEAIESMDt156<-ES(datSEAIretOUTSAt156$rev.SEAIretOUTSAt156, p=0.975, method="modified")	SEAIESNDt156<-ES(datSEAIretOUTSAt156$rev.SEAIretOUTSAt156, p=0.975, method="gaussian")	SEAIESHIt156	SEAIESMDt156	SEAIESNDt156
SEAIESMDt157<-ES(datSEAIretOUTSAt157$rev.SEAIretOUTSAt157, p=0.975, method="modified")	SEAIESNDt157<-ES(datSEAIretOUTSAt157$rev.SEAIretOUTSAt157, p=0.975, method="gaussian")	SEAIESHIt157	SEAIESMDt157	SEAIESNDt157
SEAIESMDt158<-ES(datSEAIretOUTSAt158$rev.SEAIretOUTSAt158, p=0.975, method="modified")	SEAIESNDt158<-ES(datSEAIretOUTSAt158$rev.SEAIretOUTSAt158, p=0.975, method="gaussian")	SEAIESHIt158	SEAIESMDt158	SEAIESNDt158
SEAIESMDt159<-ES(datSEAIretOUTSAt159$rev.SEAIretOUTSAt159, p=0.975, method="modified")	SEAIESNDt159<-ES(datSEAIretOUTSAt159$rev.SEAIretOUTSAt159, p=0.975, method="gaussian")	SEAIESHIt159	SEAIESMDt159	SEAIESNDt159
SEAIESMDt160<-ES(datSEAIretOUTSAt160$rev.SEAIretOUTSAt160, p=0.975, method="modified")	SEAIESNDt160<-ES(datSEAIretOUTSAt160$rev.SEAIretOUTSAt160, p=0.975, method="gaussian")	SEAIESHIt160	SEAIESMDt160	SEAIESNDt160
SEAIESMDt161<-ES(datSEAIretOUTSAt161$rev.SEAIretOUTSAt161, p=0.975, method="modified")	SEAIESNDt161<-ES(datSEAIretOUTSAt161$rev.SEAIretOUTSAt161, p=0.975, method="gaussian")	SEAIESHIt161	SEAIESMDt161	SEAIESNDt161
SEAIESMDt162<-ES(datSEAIretOUTSAt162$rev.SEAIretOUTSAt162, p=0.975, method="modified")	SEAIESNDt162<-ES(datSEAIretOUTSAt162$rev.SEAIretOUTSAt162, p=0.975, method="gaussian")	SEAIESHIt162	SEAIESMDt162	SEAIESNDt162
SEAIESMDt163<-ES(datSEAIretOUTSAt163$rev.SEAIretOUTSAt163, p=0.975, method="modified")	SEAIESNDt163<-ES(datSEAIretOUTSAt163$rev.SEAIretOUTSAt163, p=0.975, method="gaussian")	SEAIESHIt163	SEAIESMDt163	SEAIESNDt163
SEAIESMDt164<-ES(datSEAIretOUTSAt164$rev.SEAIretOUTSAt164, p=0.975, method="modified")	SEAIESNDt164<-ES(datSEAIretOUTSAt164$rev.SEAIretOUTSAt164, p=0.975, method="gaussian")	SEAIESHIt164	SEAIESMDt164	SEAIESNDt164
SEAIESMDt165<-ES(datSEAIretOUTSAt165$rev.SEAIretOUTSAt165, p=0.975, method="modified")	SEAIESNDt165<-ES(datSEAIretOUTSAt165$rev.SEAIretOUTSAt165, p=0.975, method="gaussian")	SEAIESHIt165	SEAIESMDt165	SEAIESNDt165
SEAIESMDt166<-ES(datSEAIretOUTSAt166$rev.SEAIretOUTSAt166, p=0.975, method="modified")	SEAIESNDt166<-ES(datSEAIretOUTSAt166$rev.SEAIretOUTSAt166, p=0.975, method="gaussian")	SEAIESHIt166	SEAIESMDt166	SEAIESNDt166
SEAIESMDt167<-ES(datSEAIretOUTSAt167$rev.SEAIretOUTSAt167, p=0.975, method="modified")	SEAIESNDt167<-ES(datSEAIretOUTSAt167$rev.SEAIretOUTSAt167, p=0.975, method="gaussian")	SEAIESHIt167	SEAIESMDt167	SEAIESNDt167
SEAIESMDt168<-ES(datSEAIretOUTSAt168$rev.SEAIretOUTSAt168, p=0.975, method="modified")	SEAIESNDt168<-ES(datSEAIretOUTSAt168$rev.SEAIretOUTSAt168, p=0.975, method="gaussian")	SEAIESHIt168	SEAIESMDt168	SEAIESNDt168
SEAIESMDt169<-ES(datSEAIretOUTSAt169$rev.SEAIretOUTSAt169, p=0.975, method="modified")	SEAIESNDt169<-ES(datSEAIretOUTSAt169$rev.SEAIretOUTSAt169, p=0.975, method="gaussian")	SEAIESHIt169	SEAIESMDt169	SEAIESNDt169
SEAIESMDt170<-ES(datSEAIretOUTSAt170$rev.SEAIretOUTSAt170, p=0.975, method="modified")	SEAIESNDt170<-ES(datSEAIretOUTSAt170$rev.SEAIretOUTSAt170, p=0.975, method="gaussian")	SEAIESHIt170	SEAIESMDt170	SEAIESNDt170
SEAIESMDt171<-ES(datSEAIretOUTSAt171$rev.SEAIretOUTSAt171, p=0.975, method="modified")	SEAIESNDt171<-ES(datSEAIretOUTSAt171$rev.SEAIretOUTSAt171, p=0.975, method="gaussian")	SEAIESHIt171	SEAIESMDt171	SEAIESNDt171
SEAIESMDt172<-ES(datSEAIretOUTSAt172$rev.SEAIretOUTSAt172, p=0.975, method="modified")	SEAIESNDt172<-ES(datSEAIretOUTSAt172$rev.SEAIretOUTSAt172, p=0.975, method="gaussian")	SEAIESHIt172	SEAIESMDt172	SEAIESNDt172
SEAIESMDt173<-ES(datSEAIretOUTSAt173$rev.SEAIretOUTSAt173, p=0.975, method="modified")	SEAIESNDt173<-ES(datSEAIretOUTSAt173$rev.SEAIretOUTSAt173, p=0.975, method="gaussian")	SEAIESHIt173	SEAIESMDt173	SEAIESNDt173
SEAIESMDt174<-ES(datSEAIretOUTSAt174$rev.SEAIretOUTSAt174, p=0.975, method="modified")	SEAIESNDt174<-ES(datSEAIretOUTSAt174$rev.SEAIretOUTSAt174, p=0.975, method="gaussian")	SEAIESHIt174	SEAIESMDt174	SEAIESNDt174
SEAIESMDt175<-ES(datSEAIretOUTSAt175$rev.SEAIretOUTSAt175, p=0.975, method="modified")	SEAIESNDt175<-ES(datSEAIretOUTSAt175$rev.SEAIretOUTSAt175, p=0.975, method="gaussian")	SEAIESHIt175	SEAIESMDt175	SEAIESNDt175
SEAIESMDt176<-ES(datSEAIretOUTSAt176$rev.SEAIretOUTSAt176, p=0.975, method="modified")	SEAIESNDt176<-ES(datSEAIretOUTSAt176$rev.SEAIretOUTSAt176, p=0.975, method="gaussian")	SEAIESHIt176	SEAIESMDt176	SEAIESNDt176
SEAIESMDt177<-ES(datSEAIretOUTSAt177$rev.SEAIretOUTSAt177, p=0.975, method="modified")	SEAIESNDt177<-ES(datSEAIretOUTSAt177$rev.SEAIretOUTSAt177, p=0.975, method="gaussian")	SEAIESHIt177	SEAIESMDt177	SEAIESNDt177
SEAIESMDt178<-ES(datSEAIretOUTSAt178$rev.SEAIretOUTSAt178, p=0.975, method="modified")	SEAIESNDt178<-ES(datSEAIretOUTSAt178$rev.SEAIretOUTSAt178, p=0.975, method="gaussian")	SEAIESHIt178	SEAIESMDt178	SEAIESNDt178
SEAIESMDt179<-ES(datSEAIretOUTSAt179$rev.SEAIretOUTSAt179, p=0.975, method="modified")	SEAIESNDt179<-ES(datSEAIretOUTSAt179$rev.SEAIretOUTSAt179, p=0.975, method="gaussian")	SEAIESHIt179	SEAIESMDt179	SEAIESNDt179
SEAIESMDt180<-ES(datSEAIretOUTSAt180$rev.SEAIretOUTSAt180, p=0.975, method="modified")	SEAIESNDt180<-ES(datSEAIretOUTSAt180$rev.SEAIretOUTSAt180, p=0.975, method="gaussian")	SEAIESHIt180	SEAIESMDt180	SEAIESNDt180
SEAIESMDt181<-ES(datSEAIretOUTSAt181$rev.SEAIretOUTSAt181, p=0.975, method="modified")	SEAIESNDt181<-ES(datSEAIretOUTSAt181$rev.SEAIretOUTSAt181, p=0.975, method="gaussian")	SEAIESHIt181	SEAIESMDt181	SEAIESNDt181
SEISESMDt1<-ES(datSEISretOUTSAt1$rev.SEISretOUTSAt1, p=0.975, method="modified")	SEISESNDt1<-ES(datSEISretOUTSAt1$rev.SEISretOUTSAt1, p=0.975, method="gaussian")	SEISESHIt1	SEISESMDt1	SEISESNDt1
SEISESMDt2<-ES(datSEISretOUTSAt2$rev.SEISretOUTSAt2, p=0.975, method="modified")	SEISESNDt2<-ES(datSEISretOUTSAt2$rev.SEISretOUTSAt2, p=0.975, method="gaussian")	SEISESHIt2	SEISESMDt2	SEISESNDt2
SEISESMDt3<-ES(datSEISretOUTSAt3$rev.SEISretOUTSAt3, p=0.975, method="modified")	SEISESNDt3<-ES(datSEISretOUTSAt3$rev.SEISretOUTSAt3, p=0.975, method="gaussian")	SEISESHIt3	SEISESMDt3	SEISESNDt3

SEISESMOt88<-ES(datSEISretOUTSAt88$rev.SEISretOUTSAt88, p=0.975, method="modified")	SEISESNOt88<-ES(datSEISretOUTSAt88$rev.SEISretOUTSAt88, p=0.975, method="gaussian")	SEISESHIt88	SEISESMOt88	SEISESNOt88
SEISESMOt89<-ES(datSEISretOUTSAt89$rev.SEISretOUTSAt89, p=0.975, method="modified")	SEISESNOt89<-ES(datSEISretOUTSAt89$rev.SEISretOUTSAt89, p=0.975, method="gaussian")	SEISESHIt89	SEISESMOt89	SEISESNOt89
SEISESMOt90<-ES(datSEISretOUTSAt90$rev.SEISretOUTSAt90, p=0.975, method="modified")	SEISESNOt90<-ES(datSEISretOUTSAt90$rev.SEISretOUTSAt90, p=0.975, method="gaussian")	SEISESHIt90	SEISESMOt90	SEISESNOt90
SEISESMOt91<-ES(datSEISretOUTSAt91$rev.SEISretOUTSAt91, p=0.975, method="modified")	SEISESNOt91<-ES(datSEISretOUTSAt91$rev.SEISretOUTSAt91, p=0.975, method="gaussian")	SEISESHIt91	SEISESMOt91	SEISESNOt91
SEISESMOt92<-ES(datSEISretOUTSAt92$rev.SEISretOUTSAt92, p=0.975, method="modified")	SEISESNOt92<-ES(datSEISretOUTSAt92$rev.SEISretOUTSAt92, p=0.975, method="gaussian")	SEISESHIt92	SEISESMOt92	SEISESNOt92
SEISESMOt93<-ES(datSEISretOUTSAt93$rev.SEISretOUTSAt93, p=0.975, method="modified")	SEISESNOt93<-ES(datSEISretOUTSAt93$rev.SEISretOUTSAt93, p=0.975, method="gaussian")	SEISESHIt93	SEISESMOt93	SEISESNOt93
SEISESMOt94<-ES(datSEISretOUTSAt94$rev.SEISretOUTSAt94, p=0.975, method="modified")	SEISESNOt94<-ES(datSEISretOUTSAt94$rev.SEISretOUTSAt94, p=0.975, method="gaussian")	SEISESHIt94	SEISESMOt94	SEISESNOt94
SEISESMOt95<-ES(datSEISretOUTSAt95$rev.SEISretOUTSAt95, p=0.975, method="modified")	SEISESNOt95<-ES(datSEISretOUTSAt95$rev.SEISretOUTSAt95, p=0.975, method="gaussian")	SEISESHIt95	SEISESMOt95	SEISESNOt95
SEISESMOt96<-ES(datSEISretOUTSAt96$rev.SEISretOUTSAt96, p=0.975, method="modified")	SEISESNOt96<-ES(datSEISretOUTSAt96$rev.SEISretOUTSAt96, p=0.975, method="gaussian")	SEISESHIt96	SEISESMOt96	SEISESNOt96
SEISESMOt97<-ES(datSEISretOUTSAt97$rev.SEISretOUTSAt97, p=0.975, method="modified")	SEISESNOt97<-ES(datSEISretOUTSAt97$rev.SEISretOUTSAt97, p=0.975, method="gaussian")	SEISESHIt97	SEISESMOt97	SEISESNOt97
SEISESMOt98<-ES(datSEISretOUTSAt98$rev.SEISretOUTSAt98, p=0.975, method="modified")	SEISESNOt98<-ES(datSEISretOUTSAt98$rev.SEISretOUTSAt98, p=0.975, method="gaussian")	SEISESHIt98	SEISESMOt98	SEISESNOt98
SEISESMOt99<-ES(datSEISretOUTSAt99$rev.SEISretOUTSAt99, p=0.975, method="modified")	SEISESNOt99<-ES(datSEISretOUTSAt99$rev.SEISretOUTSAt99, p=0.975, method="gaussian")	SEISESHIt99	SEISESMOt99	SEISESNOt99
SEISESMOt100<-ES(datSEISretOUTSAt100$rev.SEISretOUTSAt100, p=0.975, method="modified")	SEISESNOt100<-ES(datSEISretOUTSAt100$rev.SEISretOUTSAt100, p=0.975, method="gaussian")	SEISESHIt100	SEISESMOt100	SEISESNOt100
SEISESMOt101<-ES(datSEISretOUTSAt101$rev.SEISretOUTSAt101, p=0.975, method="modified")	SEISESNOt101<-ES(datSEISretOUTSAt101$rev.SEISretOUTSAt101, p=0.975, method="gaussian")	SEISESHIt101	SEISESMOt101	SEISESNOt101
SEISESMOt102<-ES(datSEISretOUTSAt102$rev.SEISretOUTSAt102, p=0.975, method="modified")	SEISESNOt102<-ES(datSEISretOUTSAt102$rev.SEISretOUTSAt102, p=0.975, method="gaussian")	SEISESHIt102	SEISESMOt102	SEISESNOt102
SEISESMOt103<-ES(datSEISretOUTSAt103$rev.SEISretOUTSAt103, p=0.975, method="modified")	SEISESNOt103<-ES(datSEISretOUTSAt103$rev.SEISretOUTSAt103, p=0.975, method="gaussian")	SEISESHIt103	SEISESMOt103	SEISESNOt103
SEISESMOt104<-ES(datSEISretOUTSAt104$rev.SEISretOUTSAt104, p=0.975, method="modified")	SEISESNOt104<-ES(datSEISretOUTSAt104$rev.SEISretOUTSAt104, p=0.975, method="gaussian")	SEISESHIt104	SEISESMOt104	SEISESNOt104
SEISESMOt105<-ES(datSEISretOUTSAt105$rev.SEISretOUTSAt105, p=0.975, method="modified")	SEISESNOt105<-ES(datSEISretOUTSAt105$rev.SEISretOUTSAt105, p=0.975, method="gaussian")	SEISESHIt105	SEISESMOt105	SEISESNOt105
SEISESMOt106<-ES(datSEISretOUTSAt106$rev.SEISretOUTSAt106, p=0.975, method="modified")	SEISESNOt106<-ES(datSEISretOUTSAt106$rev.SEISretOUTSAt106, p=0.975, method="gaussian")	SEISESHIt106	SEISESMOt106	SEISESNOt106
SEISESMOt107<-ES(datSEISretOUTSAt107$rev.SEISretOUTSAt107, p=0.975, method="modified")	SEISESNOt107<-ES(datSEISretOUTSAt107$rev.SEISretOUTSAt107, p=0.975, method="gaussian")	SEISESHIt107	SEISESMOt107	SEISESNOt107
SEISESMOt108<-ES(datSEISretOUTSAt108$rev.SEISretOUTSAt108, p=0.975, method="modified")	SEISESNOt108<-ES(datSEISretOUTSAt108$rev.SEISretOUTSAt108, p=0.975, method="gaussian")	SEISESHIt108	SEISESMOt108	SEISESNOt108
SEISESMOt109<-ES(datSEISretOUTSAt109$rev.SEISretOUTSAt109, p=0.975, method="modified")	SEISESNOt109<-ES(datSEISretOUTSAt109$rev.SEISretOUTSAt109, p=0.975, method="gaussian")	SEISESHIt109	SEISESMOt109	SEISESNOt109
SEISESMOt110<-ES(datSEISretOUTSAt110$rev.SEISretOUTSAt110, p=0.975, method="modified")	SEISESNOt110<-ES(datSEISretOUTSAt110$rev.SEISretOUTSAt110, p=0.975, method="gaussian")	SEISESHIt110	SEISESMOt110	SEISESNOt110
SEISESMOt111<-ES(datSEISretOUTSAt111$rev.SEISretOUTSAt111, p=0.975, method="modified")	SEISESNOt111<-ES(datSEISretOUTSAt111$rev.SEISretOUTSAt111, p=0.975, method="gaussian")	SEISESHIt111	SEISESMOt111	SEISESNOt111
SEISESMOt112<-ES(datSEISretOUTSAt112$rev.SEISretOUTSAt112, p=0.975, method="modified")	SEISESNOt112<-ES(datSEISretOUTSAt112$rev.SEISretOUTSAt112, p=0.975, method="gaussian")	SEISESHIt112	SEISESMOt112	SEISESNOt112
SEISESMOt113<-ES(datSEISretOUTSAt113$rev.SEISretOUTSAt113, p=0.975, method="modified")	SEISESNOt113<-ES(datSEISretOUTSAt113$rev.SEISretOUTSAt113, p=0.975, method="gaussian")	SEISESHIt113	SEISESMOt113	SEISESNOt113
SEISESMOt114<-ES(datSEISretOUTSAt114$rev.SEISretOUTSAt114, p=0.975, method="modified")	SEISESNOt114<-ES(datSEISretOUTSAt114$rev.SEISretOUTSAt114, p=0.975, method="gaussian")	SEISESHIt114	SEISESMOt114	SEISESNOt114
SEISESMOt115<-ES(datSEISretOUTSAt115$rev.SEISretOUTSAt115, p=0.975, method="modified")	SEISESNOt115<-ES(datSEISretOUTSAt115$rev.SEISretOUTSAt115, p=0.975, method="gaussian")	SEISESHIt115	SEISESMOt115	SEISESNOt115
SEISESMOt116<-ES(datSEISretOUTSAt116$rev.SEISretOUTSAt116, p=0.975, method="modified")	SEISESNOt116<-ES(datSEISretOUTSAt116$rev.SEISretOUTSAt116, p=0.975, method="gaussian")	SEISESHIt116	SEISESMOt116	SEISESNOt116
SEISESMOt117<-ES(datSEISretOUTSAt117$rev.SEISretOUTSAt117, p=0.975, method="modified")	SEISESNOt117<-ES(datSEISretOUTSAt117$rev.SEISretOUTSAt117, p=0.975, method="gaussian")	SEISESHIt117	SEISESMOt117	SEISESNOt117
SEISESMOt118<-ES(datSEISretOUTSAt118$rev.SEISretOUTSAt118, p=0.975, method="modified")	SEISESNOt118<-ES(datSEISretOUTSAt118$rev.SEISretOUTSAt118, p=0.975, method="gaussian")	SEISESHIt118	SEISESMOt118	SEISESNOt118
SEISESMOt119<-ES(datSEISretOUTSAt119$rev.SEISretOUTSAt119, p=0.975, method="modified")	SEISESNOt119<-ES(datSEISretOUTSAt119$rev.SEISretOUTSAt119, p=0.975, method="gaussian")	SEISESHIt119	SEISESMOt119	SEISESNOt119
SEISESMOt120<-ES(datSEISretOUTSAt120$rev.SEISretOUTSAt120, p=0.975, method="modified")	SEISESNOt120<-ES(datSEISretOUTSAt120$rev.SEISretOUTSAt120, p=0.975, method="gaussian")	SEISESHIt120	SEISESMOt120	SEISESNOt120
SEISESMOt121<-ES(datSEISretOUTSAt121$rev.SEISretOUTSAt121, p=0.975, method="modified")	SEISESNOt121<-ES(datSEISretOUTSAt121$rev.SEISretOUTSAt121, p=0.975, method="gaussian")	SEISESHIt121	SEISESMOt121	SEISESNOt121
SEISESMOt122<-ES(datSEISretOUTSAt122$rev.SEISretOUTSAt122, p=0.975, method="modified")	SEISESNOt122<-ES(datSEISretOUTSAt122$rev.SEISretOUTSAt122, p=0.975, method="gaussian")	SEISESHIt122	SEISESMOt122	SEISESNOt122
SEISESMOt123<-ES(datSEISretOUTSAt123$rev.SEISretOUTSAt123, p=0.975, method="modified")	SEISESNOt123<-ES(datSEISretOUTSAt123$rev.SEISretOUTSAt123, p=0.975, method="gaussian")	SEISESHIt123	SEISESMOt123	SEISESNOt123
SEISESMOt124<-ES(datSEISretOUTSAt124$rev.SEISretOUTSAt124, p=0.975, method="modified")	SEISESNOt124<-ES(datSEISretOUTSAt124$rev.SEISretOUTSAt124, p=0.975, method="gaussian")	SEISESHIt124	SEISESMOt124	SEISESNOt124
SEISESMOt125<-ES(datSEISretOUTSAt125$rev.SEISretOUTSAt125, p=0.975, method="modified")	SEISESNOt125<-ES(datSEISretOUTSAt125$rev.SEISretOUTSAt125, p=0.975, method="gaussian")	SEISESHIt125	SEISESMOt125	SEISESNOt125
SEISESMOt126<-ES(datSEISretOUTSAt126$rev.SEISretOUTSAt126, p=0.975, method="modified")	SEISESNOt126<-ES(datSEISretOUTSAt126$rev.SEISretOUTSAt126, p=0.975, method="gaussian")	SEISESHIt126	SEISESMOt126	SEISESNOt126
SEISESMOt127<-ES(datSEISretOUTSAt127$rev.SEISretOUTSAt127, p=0.975, method="modified")	SEISESNOt127<-ES(datSEISretOUTSAt127$rev.SEISretOUTSAt127, p=0.975, method="gaussian")	SEISESHIt127	SEISESMOt127	SEISESNOt127
SEISESMOt128<-ES(datSEISretOUTSAt128$rev.SEISretOUTSAt128, p=0.975, method="modified")	SEISESNOt128<-ES(datSEISretOUTSAt128$rev.SEISretOUTSAt128, p=0.975, method="gaussian")	SEISESHIt128	SEISESMOt128	SEISESNOt128
SEISESMOt129<-ES(datSEISretOUTSAt129$rev.SEISretOUTSAt129, p=0.975, method="modified")	SEISESNOt129<-ES(datSEISretOUTSAt129$rev.SEISretOUTSAt129, p=0.975, method="gaussian")	SEISESHIt129	SEISESMOt129	SEISESNOt129
SEISESMOt130<-ES(datSEISretOUTSAt130$rev.SEISretOUTSAt130, p=0.975, method="modified")	SEISESNOt130<-ES(datSEISretOUTSAt130$rev.SEISretOUTSAt130, p=0.975, method="gaussian")	SEISESHIt130	SEISESMOt130	SEISESNOt130
SEISESMOt131<-ES(datSEISretOUTSAt131$rev.SEISretOUTSAt131, p=0.975, method="modified")	SEISESNOt131<-ES(datSEISretOUTSAt131$rev.SEISretOUTSAt131, p=0.975, method="gaussian")	SEISESHIt131	SEISESMOt131	SEISESNOt131
SEISESMOt132<-ES(datSEISretOUTSAt132$rev.SEISretOUTSAt132, p=0.975, method="modified")	SEISESNOt132<-ES(datSEISretOUTSAt132$rev.SEISretOUTSAt132, p=0.975, method="gaussian")	SEISESHIt132	SEISESMOt132	SEISESNOt132
SEISESMOt133<-ES(datSEISretOUTSAt133$rev.SEISretOUTSAt133, p=0.975, method="modified")	SEISESNOt133<-ES(datSEISretOUTSAt133$rev.SEISretOUTSAt133, p=0.975, method="gaussian")	SEISESHIt133	SEISESMOt133	SEISESNOt133
SEISESMOt134<-ES(datSEISretOUTSAt134$rev.SEISretOUTSAt134, p=0.975, method="modified")	SEISESNOt134<-ES(datSEISretOUTSAt134$rev.SEISretOUTSAt134, p=0.975, method="gaussian")	SEISESHIt134	SEISESMOt134	SEISESNOt134
SEISESMOt135<-ES(datSEISretOUTSAt135$rev.SEISretOUTSAt135, p=0.975, method="modified")	SEISESNOt135<-ES(datSEISretOUTSAt135$rev.SEISretOUTSAt135, p=0.975, method="gaussian")	SEISESHIt135	SEISESMOt135	SEISESNOt135
SEISESMOt136<-ES(datSEISretOUTSAt136$rev.SEISretOUTSAt136, p=0.975, method="modified")	SEISESNOt136<-ES(datSEISretOUTSAt136$rev.SEISretOUTSAt136, p=0.975, method="gaussian")	SEISESHIt136	SEISESMOt136	SEISESNOt136
SEISESMOt137<-ES(datSEISretOUTSAt137$rev.SEISretOUTSAt137, p=0.975, method="modified")	SEISESNOt137<-ES(datSEISretOUTSAt137$rev.SEISretOUTSAt137, p=0.975, method="gaussian")	SEISESHIt137	SEISESMOt137	SEISESNOt137
SEISESMOt138<-ES(datSEISretOUTSAt138$rev.SEISretOUTSAt138, p=0.975, method="modified")	SEISESNOt138<-ES(datSEISretOUTSAt138$rev.SEISretOUTSAt138, p=0.975, method="gaussian")	SEISESHIt138	SEISESMOt138	SEISESNOt138
SEISESMOt139<-ES(datSEISretOUTSAt139$rev.SEISretOUTSAt139, p=0.975, method="modified")	SEISESNOt139<-ES(datSEISretOUTSAt139$rev.SEISretOUTSAt139, p=0.975, method="gaussian")	SEISESHIt139	SEISESMOt139	SEISESNOt139
SEISESMOt140<-ES(datSEISretOUTSAt140$rev.SEISretOUTSAt140, p=0.975, method="modified")	SEISESNOt140<-ES(datSEISretOUTSAt140$rev.SEISretOUTSAt140, p=0.975, method="gaussian")	SEISESHIt140	SEISESMOt140	SEISESNOt140
SEISESMOt141<-ES(datSEISretOUTSAt141$rev.SEISretOUTSAt141, p=0.975, method="modified")	SEISESNOt141<-ES(datSEISretOUTSAt141$rev.SEISretOUTSAt141, p=0.975, method="gaussian")	SEISESHIt141	SEISESMOt141	SEISESNOt141
SEISESMOt142<-ES(datSEISretOUTSAt142$rev.SEISretOUTSAt142, p=0.975, method="modified")	SEISESNOt142<-ES(datSEISretOUTSAt142$rev.SEISretOUTSAt142, p=0.975, method="gaussian")	SEISESHIt142	SEISESMOt142	SEISESNOt142
SEISESMOt143<-ES(datSEISretOUTSAt143$rev.SEISretOUTSAt143, p=0.975, method="modified")	SEISESNOt143<-ES(datSEISretOUTSAt143$rev.SEISretOUTSAt143, p=0.975, method="gaussian")	SEISESHIt143	SEISESMOt143	SEISESNOt143
SEISESMOt144<-ES(datSEISretOUTSAt144$rev.SEISretOUTSAt144, p=0.975, method="modified")	SEISESNOt144<-ES(datSEISretOUTSAt144$rev.SEISretOUTSAt144, p=0.975, method="gaussian")	SEISESHIt144	SEISESMOt144	SEISESNOt144
SEISESMOt145<-ES(datSEISretOUTSAt145$rev.SEISretOUTSAt145, p=0.975, method="modified")	SEISESNOt145<-ES(datSEISretOUTSAt145$rev.SEISretOUTSAt145, p=0.975, method="gaussian")	SEISESHIt145	SEISESMOt145	SEISESNOt145
SEISESMOt146<-ES(datSEISretOUTSAt146$rev.SEISretOUTSAt146, p=0.975, method="modified")	SEISESNOt146<-ES(datSEISretOUTSAt146$rev.SEISretOUTSAt146, p=0.975, method="gaussian")	SEISESHIt146	SEISESMOt146	SEISESNOt146
SEISESMOt147<-ES(datSEISretOUTSAt147$rev.SEISretOUTSAt147, p=0.975, method="modified")	SEISESNOt147<-ES(datSEISretOUTSAt147$rev.SEISretOUTSAt147, p=0.975, method="gaussian")	SEISESHIt147	SEISESMOt147	SEISESNOt147
SEISESMOt148<-ES(datSEISretOUTSAt148$rev.SEISretOUTSAt148, p=0.975, method="modified")	SEISESNOt148<-ES(datSEISretOUTSAt148$rev.SEISretOUTSAt148, p=0.975, method="gaussian")	SEISESHIt148	SEISESMOt148	SEISESNOt148
SEISESMOt149<-ES(datSEISretOUTSAt149$rev.SEISretOUTSAt149, p=0.975, method="modified")	SEISESNOt149<-ES(datSEISretOUTSAt149$rev.SEISretOUTSAt149, p=0.975, method="gaussian")	SEISESHIt149	SEISESMOt149	SEISESNOt149
SEISESMOt150<-ES(datSEISretOUTSAt150$rev.SEISretOUTSAt150, p=0.975, method="modified")	SEISESNOt150<-ES(datSEISretOUTSAt150$rev.SEISretOUTSAt150, p=0.975, method="gaussian")	SEISESHIt150	SEISESMOt150	SEISESNOt150
SEISESMOt151<-ES(datSEISretOUTSAt151$rev.SEISretOUTSAt151, p=0.975, method="modified")	SEISESNOt151<-ES(datSEISretOUTSAt151$rev.SEISretOUTSAt151, p=0.975, method="gaussian")	SEISESHIt151	SEISESMOt151	SEISESNOt151
SEISESMOt152<-ES(datSEISretOUTSAt152$rev.SEISretOUTSAt152, p=0.975, method="modified")	SEISESNOt152<-ES(datSEISretOUTSAt152$rev.SEISretOUTSAt152, p=0.975, method="gaussian")	SEISESHIt152	SEISESMOt152	SEISESNOt152
SEISESMOt153<-ES(datSEISretOUTSAt153$rev.SEISretOUTSAt153, p=0.975, method="modified")	SEISESNOt153<-ES(datSEISretOUTSAt153$rev.SEISretOUTSAt153, p=0.975, method="gaussian")	SEISESHIt153	SEISESMOt153	SEISESNOt153
SEISESMOt154<-ES(datSEISretOUTSAt154$rev.SEISretOUTSAt154, p=0.975, method="modified")	SEISESNOt154<-ES(datSEISretOUTSAt154$rev.SEISretOUTSAt154, p=0.975, method="gaussian")	SEISESHIt154	SEISESMOt154	SEISESNOt154
SEISESMOt155<-ES(datSEISretOUTSAt155$rev.SEISretOUTSAt155, p=0.975, method="modified")	SEISESNOt155<-ES(datSEISretOUTSAt155$rev.SEISretOUTSAt155, p=0.975, method="gaussian")	SEISESHIt155	SEISESMOt155	SEISESNOt155
SEISESMOt156<-ES(datSEISretOUTSAt156$rev.SEISretOUTSAt156, p=0.975, method="modified")	SEISESNOt156<-ES(datSEISretOUTSAt156$rev.SEISretOUTSAt156, p=0.975, method="gaussian")	SEISESHIt156	SEISESMOt156	SEISESNOt156
SEISESMOt157<-ES(datSEISretOUTSAt157$rev.SEISretOUTSAt157, p=0.975, method="modified")	SEISESNOt157<-ES(datSEISretOUTSAt157$rev.SEISretOUTSAt157, p=0.975, method="gaussian")	SEISESHIt157	SEISESMOt157	SEISESNOt157
SEISESMOt158<-ES(datSEISretOUTSAt158$rev.SEISretOUTSAt158, p=0.975, method="modified")	SEISESNOt158<-ES(datSEISretOUTSAt158$rev.SEISretOUTSAt158, p=0.975, method="gaussian")	SEISESHIt158	SEISESMOt158	SEISESNOt158
SEISESMOt159<-ES(datSEISretOUTSAt159$rev.SEISretOUTSAt159, p=0.975, method="modified")	SEISESNOt159<-ES(datSEISretOUTSAt159$rev.SEISretOUTSAt159, p=0.975, method="gaussian")	SEISESHIt159	SEISESMOt159	SEISESNOt159
SEISESMOt160<-ES(datSEISretOUTSAt160$rev.SEISretOUTSAt160, p=0.975, method="modified")	SEISESNOt160<-ES(datSEISretOUTSAt160$rev.SEISretOUTSAt160, p=0.975, method="gaussian")	SEISESHIt160	SEISESMOt160	SEISESNOt160
SEISESMOt161<-ES(datSEISretOUTSAt161$rev.SEISretOUTSAt161, p=0.975, method="modified")	SEISESNOt161<-ES(datSEISretOUTSAt161$rev.SEISretOUTSAt161, p=0.975, method="gaussian")	SEISESHIt161	SEISESMOt161	SEISESNOt161
SEISESMOt162<-ES(datSEISretOUTSAt162$rev.SEISretOUTSAt162, p=0.975, method="modified")	SEISESNOt162<-ES(datSEISretOUTSAt162$rev.SEISretOUTSAt162, p=0.975, method="gaussian")	SEISESHIt162	SEISESMOt162	SEISESNOt162
SEISESMOt163<-ES(datSEISretOUTSAt163$rev.SEISretOUTSAt163, p=0.975, method="modified")	SEISESNOt163<-ES(datSEISretOUTSAt163$rev.SEISretOUTSAt163, p=0.975, method="gaussian")	SEISESHIt163	SEISESMOt163	SEISESNOt163
SEISESMOt164<-ES(datSEISretOUTSAt164$rev.SEISretOUTSAt164, p=0.975, method="modified")	SEISESNOt164<-ES(datSEISretOUTSAt164$rev.SEISretOUTSAt164, p=0.975, method="gaussian")	SEISESHIt164	SEISESMOt164	SEISESNOt164
SEISESMOt165<-ES(datSEISretOUTSAt165$rev.SEISretOUTSAt165, p=0.975, method="modified")	SEISESNOt165<-ES(datSEISretOUTSAt165$rev.SEISretOUTSAt165, p=0.975, method="gaussian")	SEISESHIt165	SEISESMOt165	SEISESNOt165
SEISESMOt166<-ES(datSEISretOUTSAt166$rev.SEISretOUTSAt166, p=0.975, method="modified")	SEISESNOt166<-ES(datSEISretOUTSAt166$rev.SEISretOUTSAt166, p=0.975, method="gaussian")	SEISESHIt166	SEISESMOt166	SEISESNOt166
SEISESMOt167<-ES(datSEISretOUTSAt167$rev.SEISretOUTSAt167, p=0.975, method="modified")	SEISESNOt167<-ES(datSEISretOUTSAt167$rev.SEISretOUTSAt167, p=0.975, method="gaussian")	SEISESHIt167	SEISESMOt167	SEISESNOt167
SEISESMOt168<-ES(datSEISretOUTSAt168$rev.SEISretOUTSAt168, p=0.975, method="modified")	SEISESNOt168<-ES(datSEISretOUTSAt168$rev.SEISretOUTSAt168, p=0.975, method="gaussian")	SEISESHIt168	SEISESMOt168	SEISESNOt168
SEISESMOt169<-ES(datSEISretOUTSAt169$rev.SEISretOUTSAt169, p=0.975, method="modified")	SEISESNOt169<-ES(datSEISretOUTSAt169$rev.SEISretOUTSAt169, p=0.975, method="gaussian")	SEISESHIt169	SEISESMOt169	SEISESNOt169
SEISESMOt170<-ES(datSEISretOUTSAt170$rev.SEISretOUTSAt170, p=0.975, method="modified")	SEISESNOt170<-ES(datSEISretOUTSAt170$rev.SEISretOUTSAt170, p=0.975, method="gaussian")	SEISESHIt170	SEISESMOt170	SEISESNOt170
SEISESMOt171<-ES(datSEISretOUTSAt171$rev.SEISretOUTSAt171, p=0.975, method="modified")	SEISESNOt171<-ES(datSEISretOUTSAt171$rev.SEISretOUTSAt171, p=0.975, method="gaussian")	SEISESHIt171	SEISESMOt171	SEISESNOt171
SEISESMOt172<-ES(datSEISretOUTSAt172$rev.SEISretOUTSAt172, p=0.975, method="modified")	SEISESNOt172<-ES(datSEISretOUTSAt172$rev.SEISretOUTSAt172, p=0.975, method="gaussian")	SEISESHIt172	SEISESMOt172	SEISESNOt172
SEISESMOt173<-ES(datSEISretOUTSAt173$rev.SEISretOUTSAt173, p=0.975, method="modified")	SEISESNOt173<-ES(datSEISretOUTSAt173$rev.SEISretOUTSAt173, p=0.975, method="gaussian")	SEISESHIt173	SEISESMOt173	SEISESNOt173
SEISESMOt174<-ES(datSEISretOUTSAt174$rev.SEISretOUTSAt174, p=0.975, method="modified")	SEISESNOt174<-ES(datSEISretOUTSAt174$rev.SEISretOUTSAt174, p=0.975, method="gaussian")	SEISESHIt174	SEISESMOt174	SEISESNOt174
SEISESMOt175<-ES(datSEISretOUTSAt175$rev.SEISretOUTSAt175, p=0.975, method="modified")	SEISESNOt175<-ES(datSEISretOUTSAt175$rev.SEISretOUTSAt175, p=0.975, method="gaussian")	SEISESHIt175	SEISESMOt175	SEISESNOt175
SEISESMOt176<-ES(datSEISretOUTSAt176$rev.SEISretOUTSAt176, p=0.975, method="modified")	SEISESNOt176<-ES(datSEISretOUTSAt176$rev.SEISretOUTSAt176, p=0.975, method="gaussian")	SEISESHIt176	SEISESMOt176	SEISESNOt176
SEISESMOt177<-ES(datSEISretOUTSAt177$rev.SEISretOUTSAt177, p=0.975, method="modified")	SEISESNOt177<-ES(datSEISretOUTSAt177$rev.SEISretOUTSAt177, p=0.975, method="gaussian")	SEISESHIt177	SEISESMOt177	SEISESNOt177
SEISESMOt178<-ES(datSEISretOUTSAt178$rev.SEISretOUTSAt178, p=0.975, method="modified")	SEISESNOt178<-ES(datSEISretOUTSAt178$rev.SEISretOUTSAt178, p=0.975, method="gaussian")	SEISESHIt178	SEISESMOt178	SEISESNOt178
SEISESMOt179<-ES(datSEISretOUTSAt179$rev.SEISretOUTSAt179, p=0.975, method="modified")	SEISESNOt179<-ES(datSEISretOUTSAt179$rev.SEISretOUTSAt179, p=0.975, method="gaussian")	SEISESHIt179	SEISESMOt179	SEISESNOt179
SEISESMOt180<-ES(datSEISretOUTSAt180$rev.SEISretOUTSAt180, p=0.975, method="modified")	SEISESNOt180<-ES(datSEISretOUTSAt180$rev.SEISretOUTSAt180, p=0.975, method="gaussian")	SEISESHIt180	SEISESMOt180	SEISESNOt180
SEISESMOt181<-ES(datSEISretOUTSAt181$rev.SEISretOUTSAt181, p=0.975, method="modified")	SEISESNOt181<-ES(datSEISretOUTSAt181$rev.SEISretOUTSAt181, p=0.975, method="gaussian")	SEISESHIt181	SEISESMOt181	SEISESNOt181
SERESMOt1<-ES(datSERERetOUTSAt1$rev.SERERetOUTSAt1, p=0.975, method="modified")	SERESNOt1<-ES(datSERERetOUTSAt1$rev.SERERetOUTSAt1, p=0.975, method="gaussian")	SERESHIt1	SERESMOt1	SERESNOt1
SERESMOt2<-ES(datSERERetOUTSAt2$rev.SERERetOUTSAt2, p=0.975, method="modified")	SERESNOt2<-ES(datSERERetOUTSAt2$rev.SERERetOUTSAt2, p=0.975, method="gaussian")	SERESHIt2	SERESMOt2	SERESNOt2
SERESMOt3<-ES(datSERERetOUTSAt3$rev.SERERetOUTSAt3, p=0.975, method="modified")	SERESNOt3<-ES(datSERERetOUTSAt3$rev.SERERetOUTSAt3, p=0.975, method="gaussian")	SERESHIt3	SERESMOt3	SERESNOt3
SERESMOt4<-ES(datSERERetOUTSAt4$rev.SERERetOUTSAt4, p=0.975, method="modified")	SERESNOt4<-ES(datSERERetOUTSAt4$rev.SERERetOUTSAt4, p=0.975, method="gaussian")	SERESHIt4	SERESMOt4	SERESNOt4
SERESMOt5<-ES(datSERERetOUTSAt5$rev.SERERetOUTSAt5, p=0.975, method="modified")	SERESNOt5<-ES(datSERERetOUTSAt5$rev.SERERetOUTSAt5, p=0.975, method="gaussian")	SERESHIt5	SERESMOt5	SERESNOt5
SERESMOt6<-ES(datSERERetOUTSAt6$rev.SERERetOUTSAt6, p=0.975, method="modified")	SERESNOt6<-ES(datSERERetOUTSAt6$rev.SERERetOUTSAt6, p=0.975, method="gaussian")	SERESHIt6	SERESMOt6	SERESNOt6
SERESMOt7<-ES(datSERERetOUTSAt7$rev.SERERetOUTSAt7, p=0.975, method="modified")	SERESNOt7<-ES(datSERERetOUTSAt7$rev.SERERetOUTSAt7, p=0.975, method="gaussian")	SERESHIt7	SERESMOt7	SERESNOt7
SERESMOt8<-ES(datSERERetOUTSAt8$rev.SERERetOUTSAt8, p=0.975, method="modified")	SERESNOt8<-ES(datSERERetOUTSAt8$rev.SERERetOUTSAt8, p=0.975, method="gaussian")	SERESHIt8	SERESMOt8	SERESNOt8
SERESMOt9<-ES(datSERERetOUTSAt9$rev.SERERetOUTSAt9, p=0.975, method="modified")	SERESNOt9<-ES(datSERERetOUTSAt9$rev.SERERetOUTSAt9, p=0.975, method="gaussian")	SERESHIt9	SERESMOt9	SERESNOt9
SERESMOt10<-ES(datSERERetOUTSAt10$rev.SERERetOUTSAt10, p=0.975, method="modified")	SERESNOt10<-ES(datSERERetOUTSAt10$rev.SERERetOUTSAt10, p=0.975, method="gaussian")	SERESHIt10	SERESMOt10	SERESNOt10
SERESMOt11<-ES(datSERERetOUTSAt11$rev.SERERetOUTSAt11, p=0.975, method="modified")	SERESNOt11<-ES(datSERERetOUTSAt11$rev.SERERetOUTSAt11, p=0.975, method="gaussian")	SERESHIt11	SERESMOt11	SERESNOt11
SERESMOt12<-ES(datSERERetOUTSAt12$rev.SERERetOUTSAt12, p=0.975, method="modified")	SERESNOt12<-ES(datSERERetOUTSAt12$rev.SERERetOUTSAt12, p=0.975, method="gaussian")	SERESHIt12	SERESMOt12	SERESNOt12
SERESMOt13<-ES(datSERERetOUTSAt13$rev.SERERetOUTSAt13, p=0.975, method="modified")	SERESNOt13<-ES(datSERERetOUTSAt13$rev.SERERetOUTSAt13, p=0.975, method="gaussian")	SERESHIt13	SERESMOt13	SERESNOt13
SERESMOt14<-ES(datSERERetOUTSAt14$rev.SERERetOUTSAt14, p=0.975, method="modified")	SERESNOt14<-ES(datSERERetOUTSAt14$rev.SERERetOUTSAt14, p=0.975, method="gaussian")	SERESHIt14	SERESMOt14	SERESNOt14
SERESMOt15<-ES(datSERERetOUTSAt15$rev.SERERetOUTSAt15, p=0.975, method="modified")	SERESNOt15<-ES(datSERERetOUTSAt15$rev.SERERetOUTSAt15, p=0.975, method="gaussian")	SERESHIt15	SERESMOt15	SERESNOt15
SERESMOt16<-ES(datSERERetOUTSAt16$rev.SERERetOUTSAt16, p=0.975, method="modified")	SERESNOt16<-ES(datSERERetOUTSAt16$rev.SERERetOUTSAt16, p=0.975, method="gaussian")	SERESHIt16	SERESMOt16	SERESNOt16
SERESMOt17<-ES(datSERERetOUTSAt17$rev.SERERetOUTSAt17, p=0.975, method="modified")	SERESNOt17<-ES(datSERERetOUTSAt17$rev.SERERetOUTSAt17, p=0.975, method="gaussian")	SERESHIt17	SERESMOt17	SERESNOt17
SERESMOt18<-ES(datSERERetOUTSAt18$rev.SERERetOUTSAt18, p=0.975, method="modified")	SERESNOt18<-ES(datSERERetOUTSAt18$rev.SERERetOUTSAt18, p=0.975, method="gaussian")	SERESHIt18	SERESMOt18	SERESNOt18
SERESMOt19<-ES(datSERERetOUTSAt19$rev.SERERetOUTSAt19, p=0.975, method="modified")	SERESNOt19<-ES(datSERERetOUTSAt19$rev.SERERetOUTSAt19, p=0.975, method="gaussian")	SERESHIt19	SERESMOt19	SERESNOt19
SERESMOt20<-ES(datSERERetOUTSAt20$rev.SERERetOUTSAt20, p=0.975, method="modified")	SERESNOt20<-ES(datSERERetOUTSAt20$rev.SERERetOUTSAt20, p=0.975, method="gaussian")	SERESHIt20	SERESMOt20	SERESNOt20
SERESMOt21<-ES(datSERERetOUTSAt21$rev.SERERetOUTSAt21, p=0.975, method="modified")	SERESNOt21<-ES(datSERERetOUTSAt21$rev.SERERetOUTSAt21, p=

SEREESMOt34<-ES(datSERERetOUTSAt34$rev.SERERetOUTSAt34, p=0.975, method="modified")	SEREESNOt34<-ES(datSERERetOUTSAt34$rev.SERERetOUTSAt34, p=0.975, method="gaussian")	SEREESHIt34	SEREESMOt34	SEREESNOt34
SEREESMOt35<-ES(datSERERetOUTSAt35$rev.SERERetOUTSAt35, p=0.975, method="modified")	SEREESNOt35<-ES(datSERERetOUTSAt35$rev.SERERetOUTSAt35, p=0.975, method="gaussian")	SEREESHIt35	SEREESMOt35	SEREESNOt35
SEREESMOt36<-ES(datSERERetOUTSAt36$rev.SERERetOUTSAt36, p=0.975, method="modified")	SEREESNOt36<-ES(datSERERetOUTSAt36$rev.SERERetOUTSAt36, p=0.975, method="gaussian")	SEREESHIt36	SEREESMOt36	SEREESNOt36

SEREESMOt163<-ES(datSERERetOUTSAt163$rev.SERERetOUTSAt163, p=0.975, method="modified")	SEREESNOt163<-ES(datSERERetOUTSAt163$rev.SERERetOUTSAt163, p=0.975, method="gaussian")	SEREESHIt163	SEREESMOt163	SEREESNOt163
SEREESMOt164<-ES(datSERERetOUTSAt164$rev.SERERetOUTSAt164, p=0.975, method="modified")	SEREESNOt164<-ES(datSERERetOUTSAt164$rev.SERERetOUTSAt164, p=0.975, method="gaussian")	SEREESHIt164	SEREESMOt164	SEREESNOt164
SEREESMOt165<-ES(datSERERetOUTSAt165$rev.SERERetOUTSAt165, p=0.975, method="modified")	SEREESNOt165<-ES(datSERERetOUTSAt165$rev.SERERetOUTSAt165, p=0.975, method="gaussian")	SEREESHIt165	SEREESMOt165	SEREESNOt165
SEREESMOt166<-ES(datSERERetOUTSAt166$rev.SERERetOUTSAt166, p=0.975, method="modified")	SEREESNOt166<-ES(datSERERetOUTSAt166$rev.SERERetOUTSAt166, p=0.975, method="gaussian")	SEREESHIt166	SEREESMOt166	SEREESNOt166
SEREESMOt167<-ES(datSERERetOUTSAt167$rev.SERERetOUTSAt167, p=0.975, method="modified")	SEREESNOt167<-ES(datSERERetOUTSAt167$rev.SERERetOUTSAt167, p=0.975, method="gaussian")	SEREESHIt167	SEREESMOt167	SEREESNOt167
SEREESMOt168<-ES(datSERERetOUTSAt168$rev.SERERetOUTSAt168, p=0.975, method="modified")	SEREESNOt168<-ES(datSERERetOUTSAt168$rev.SERERetOUTSAt168, p=0.975, method="gaussian")	SEREESHIt168	SEREESMOt168	SEREESNOt168
SEREESMOt169<-ES(datSERERetOUTSAt169$rev.SERERetOUTSAt169, p=0.975, method="modified")	SEREESNOt169<-ES(datSERERetOUTSAt169$rev.SERERetOUTSAt169, p=0.975, method="gaussian")	SEREESHIt169	SEREESMOt169	SEREESNOt169
SEREESMOt170<-ES(datSERERetOUTSAt170$rev.SERERetOUTSAt170, p=0.975, method="modified")	SEREESNOt170<-ES(datSERERetOUTSAt170$rev.SERERetOUTSAt170, p=0.975, method="gaussian")	SEREESHIt170	SEREESMOt170	SEREESNOt170
SEREESMOt171<-ES(datSERERetOUTSAt171$rev.SERERetOUTSAt171, p=0.975, method="modified")	SEREESNOt171<-ES(datSERERetOUTSAt171$rev.SERERetOUTSAt171, p=0.975, method="gaussian")	SEREESHIt171	SEREESMOt171	SEREESNOt171
SEREESMOt172<-ES(datSERERetOUTSAt172$rev.SERERetOUTSAt172, p=0.975, method="modified")	SEREESNOt172<-ES(datSERERetOUTSAt172$rev.SERERetOUTSAt172, p=0.975, method="gaussian")	SEREESHIt172	SEREESMOt172	SEREESNOt172
SEREESMOt173<-ES(datSERERetOUTSAt173$rev.SERERetOUTSAt173, p=0.975, method="modified")	SEREESNOt173<-ES(datSERERetOUTSAt173$rev.SERERetOUTSAt173, p=0.975, method="gaussian")	SEREESHIt173	SEREESMOt173	SEREESNOt173
SEREESMOt174<-ES(datSERERetOUTSAt174$rev.SERERetOUTSAt174, p=0.975, method="modified")	SEREESNOt174<-ES(datSERERetOUTSAt174$rev.SERERetOUTSAt174, p=0.975, method="gaussian")	SEREESHIt174	SEREESMOt174	SEREESNOt174
SEREESMOt175<-ES(datSERERetOUTSAt175$rev.SERERetOUTSAt175, p=0.975, method="modified")	SEREESNOt175<-ES(datSERERetOUTSAt175$rev.SERERetOUTSAt175, p=0.975, method="gaussian")	SEREESHIt175	SEREESMOt175	SEREESNOt175
SEREESMOt176<-ES(datSERERetOUTSAt176$rev.SERERetOUTSAt176, p=0.975, method="modified")	SEREESNOt176<-ES(datSERERetOUTSAt176$rev.SERERetOUTSAt176, p=0.975, method="gaussian")	SEREESHIt176	SEREESMOt176	SEREESNOt176
SEREESMOt177<-ES(datSERERetOUTSAt177$rev.SERERetOUTSAt177, p=0.975, method="modified")	SEREESNOt177<-ES(datSERERetOUTSAt177$rev.SERERetOUTSAt177, p=0.975, method="gaussian")	SEREESHIt177	SEREESMOt177	SEREESNOt177
SEREESMOt178<-ES(datSERERetOUTSAt178$rev.SERERetOUTSAt178, p=0.975, method="modified")	SEREESNOt178<-ES(datSERERetOUTSAt178$rev.SERERetOUTSAt178, p=0.975, method="gaussian")	SEREESHIt178	SEREESMOt178	SEREESNOt178
SEREESMOt179<-ES(datSERERetOUTSAt179$rev.SERERetOUTSAt179, p=0.975, method="modified")	SEREESNOt179<-ES(datSERERetOUTSAt179$rev.SERERetOUTSAt179, p=0.975, method="gaussian")	SEREESHIt179	SEREESMOt179	SEREESNOt179
SEREESMOt180<-ES(datSERERetOUTSAt180$rev.SERERetOUTSAt180, p=0.975, method="modified")	SEREESNOt180<-ES(datSERERetOUTSAt180$rev.SERERetOUTSAt180, p=0.975, method="gaussian")	SEREESHIt180	SEREESMOt180	SEREESNOt180
SEREESMOt181<-ES(datSERERetOUTSAt181$rev.SERERetOUTSAt181, p=0.975, method="modified")	SEREESNOt181<-ES(datSERERetOUTSAt181$rev.SERERetOUTSAt181, p=0.975, method="gaussian")	SEREESHIt181	SEREESMOt181	SEREESNOt181
SEAEESMOt1<-ES(datSEAEretOUTSAt1$rev.SEAEretOUTSAt1, p=0.975, method="modified")	SEAEESNOt1<-ES(datSEAEretOUTSAt1$rev.SEAEretOUTSAt1, p=0.975, method="gaussian")	SEAEESHIt1	SEAEESMOt1	SEAEESNOt1
SEAEESMOt2<-ES(datSEAEretOUTSAt2$rev.SEAEretOUTSAt2, p=0.975, method="modified")	SEAEESNOt2<-ES(datSEAEretOUTSAt2$rev.SEAEretOUTSAt2, p=0.975, method="gaussian")	SEAEESHIt2	SEAEESMOt2	SEAEESNOt2
SEAEESMOt3<-ES(datSEAEretOUTSAt3$rev.SEAEretOUTSAt3, p=0.975, method="modified")	SEAEESNOt3<-ES(datSEAEretOUTSAt3$rev.SEAEretOUTSAt3, p=0.975, method="gaussian")	SEAEESHIt3	SEAEESMOt3	SEAEESNOt3
SEAEESMOt4<-ES(datSEAEretOUTSAt4$rev.SEAEretOUTSAt4, p=0.975, method="modified")	SEAEESNOt4<-ES(datSEAEretOUTSAt4$rev.SEAEretOUTSAt4, p=0.975, method="gaussian")	SEAEESHIt4	SEAEESMOt4	SEAEESNOt4
SEAEESMOt5<-ES(datSEAEretOUTSAt5$rev.SEAEretOUTSAt5, p=0.975, method="modified")	SEAEESNOt5<-ES(datSEAEretOUTSAt5$rev.SEAEretOUTSAt5, p=0.975, method="gaussian")	SEAEESHIt5	SEAEESMOt5	SEAEESNOt5
SEAEESMOt6<-ES(datSEAEretOUTSAt6$rev.SEAEretOUTSAt6, p=0.975, method="modified")	SEAEESNOt6<-ES(datSEAEretOUTSAt6$rev.SEAEretOUTSAt6, p=0.975, method="gaussian")	SEAEESHIt6	SEAEESMOt6	SEAEESNOt6
SEAEESMOt7<-ES(datSEAEretOUTSAt7$rev.SEAEretOUTSAt7, p=0.975, method="modified")	SEAEESNOt7<-ES(datSEAEretOUTSAt7$rev.SEAEretOUTSAt7, p=0.975, method="gaussian")	SEAEESHIt7	SEAEESMOt7	SEAEESNOt7
SEAEESMOt8<-ES(datSEAEretOUTSAt8$rev.SEAEretOUTSAt8, p=0.975, method="modified")	SEAEESNOt8<-ES(datSEAEretOUTSAt8$rev.SEAEretOUTSAt8, p=0.975, method="gaussian")	SEAEESHIt8	SEAEESMOt8	SEAEESNOt8
SEAEESMOt9<-ES(datSEAEretOUTSAt9$rev.SEAEretOUTSAt9, p=0.975, method="modified")	SEAEESNOt9<-ES(datSEAEretOUTSAt9$rev.SEAEretOUTSAt9, p=0.975, method="gaussian")	SEAEESHIt9	SEAEESMOt9	SEAEESNOt9
SEAEESMOt10<-ES(datSEAEretOUTSAt10$rev.SEAEretOUTSAt10, p=0.975, method="modified")	SEAEESNOt10<-ES(datSEAEretOUTSAt10$rev.SEAEretOUTSAt10, p=0.975, method="gaussian")	SEAEESHIt10	SEAEESMOt10	SEAEESNOt10
SEAEESMOt11<-ES(datSEAEretOUTSAt11$rev.SEAEretOUTSAt11, p=0.975, method="modified")	SEAEESNOt11<-ES(datSEAEretOUTSAt11$rev.SEAEretOUTSAt11, p=0.975, method="gaussian")	SEAEESHIt11	SEAEESMOt11	SEAEESNOt11
SEAEESMOt12<-ES(datSEAEretOUTSAt12$rev.SEAEretOUTSAt12, p=0.975, method="modified")	SEAEESNOt12<-ES(datSEAEretOUTSAt12$rev.SEAEretOUTSAt12, p=0.975, method="gaussian")	SEAEESHIt12	SEAEESMOt12	SEAEESNOt12
SEAEESMOt13<-ES(datSEAEretOUTSAt13$rev.SEAEretOUTSAt13, p=0.975, method="modified")	SEAEESNOt13<-ES(datSEAEretOUTSAt13$rev.SEAEretOUTSAt13, p=0.975, method="gaussian")	SEAEESHIt13	SEAEESMOt13	SEAEESNOt13
SEAEESMOt14<-ES(datSEAEretOUTSAt14$rev.SEAEretOUTSAt14, p=0.975, method="modified")	SEAEESNOt14<-ES(datSEAEretOUTSAt14$rev.SEAEretOUTSAt14, p=0.975, method="gaussian")	SEAEESHIt14	SEAEESMOt14	SEAEESNOt14
SEAEESMOt15<-ES(datSEAEretOUTSAt15$rev.SEAEretOUTSAt15, p=0.975, method="modified")	SEAEESNOt15<-ES(datSEAEretOUTSAt15$rev.SEAEretOUTSAt15, p=0.975, method="gaussian")	SEAEESHIt15	SEAEESMOt15	SEAEESNOt15
SEAEESMOt16<-ES(datSEAEretOUTSAt16$rev.SEAEretOUTSAt16, p=0.975, method="modified")	SEAEESNOt16<-ES(datSEAEretOUTSAt16$rev.SEAEretOUTSAt16, p=0.975, method="gaussian")	SEAEESHIt16	SEAEESMOt16	SEAEESNOt16
SEAEESMOt17<-ES(datSEAEretOUTSAt17$rev.SEAEretOUTSAt17, p=0.975, method="modified")	SEAEESNOt17<-ES(datSEAEretOUTSAt17$rev.SEAEretOUTSAt17, p=0.975, method="gaussian")	SEAEESHIt17	SEAEESMOt17	SEAEESNOt17
SEAEESMOt18<-ES(datSEAEretOUTSAt18$rev.SEAEretOUTSAt18, p=0.975, method="modified")	SEAEESNOt18<-ES(datSEAEretOUTSAt18$rev.SEAEretOUTSAt18, p=0.975, method="gaussian")	SEAEESHIt18	SEAEESMOt18	SEAEESNOt18
SEAEESMOt19<-ES(datSEAEretOUTSAt19$rev.SEAEretOUTSAt19, p=0.975, method="modified")	SEAEESNOt19<-ES(datSEAEretOUTSAt19$rev.SEAEretOUTSAt19, p=0.975, method="gaussian")	SEAEESHIt19	SEAEESMOt19	SEAEESNOt19
SEAEESMOt20<-ES(datSEAEretOUTSAt20$rev.SEAEretOUTSAt20, p=0.975, method="modified")	SEAEESNOt20<-ES(datSEAEretOUTSAt20$rev.SEAEretOUTSAt20, p=0.975, method="gaussian")	SEAEESHIt20	SEAEESMOt20	SEAEESNOt20
SEAEESMOt21<-ES(datSEAEretOUTSAt21$rev.SEAEretOUTSAt21, p=0.975, method="modified")	SEAEESNOt21<-ES(datSEAEretOUTSAt21$rev.SEAEretOUTSAt21, p=0.975, method="gaussian")	SEAEESHIt21	SEAEESMOt21	SEAEESNOt21
SEAEESMOt22<-ES(datSEAEretOUTSAt22$rev.SEAEretOUTSAt22, p=0.975, method="modified")	SEAEESNOt22<-ES(datSEAEretOUTSAt22$rev.SEAEretOUTSAt22, p=0.975, method="gaussian")	SEAEESHIt22	SEAEESMOt22	SEAEESNOt22
SEAEESMOt23<-ES(datSEAEretOUTSAt23$rev.SEAEretOUTSAt23, p=0.975, method="modified")	SEAEESNOt23<-ES(datSEAEretOUTSAt23$rev.SEAEretOUTSAt23, p=0.975, method="gaussian")	SEAEESHIt23	SEAEESMOt23	SEAEESNOt23
SEAEESMOt24<-ES(datSEAEretOUTSAt24$rev.SEAEretOUTSAt24, p=0.975, method="modified")	SEAEESNOt24<-ES(datSEAEretOUTSAt24$rev.SEAEretOUTSAt24, p=0.975, method="gaussian")	SEAEESHIt24	SEAEESMOt24	SEAEESNOt24
SEAEESMOt25<-ES(datSEAEretOUTSAt25$rev.SEAEretOUTSAt25, p=0.975, method="modified")	SEAEESNOt25<-ES(datSEAEretOUTSAt25$rev.SEAEretOUTSAt25, p=0.975, method="gaussian")	SEAEESHIt25	SEAEESMOt25	SEAEESNOt25
SEAEESMOt26<-ES(datSEAEretOUTSAt26$rev.SEAEretOUTSAt26, p=0.975, method="modified")	SEAEESNOt26<-ES(datSEAEretOUTSAt26$rev.SEAEretOUTSAt26, p=0.975, method="gaussian")	SEAEESHIt26	SEAEESMOt26	SEAEESNOt26
SEAEESMOt27<-ES(datSEAEretOUTSAt27$rev.SEAEretOUTSAt27, p=0.975, method="modified")	SEAEESNOt27<-ES(datSEAEretOUTSAt27$rev.SEAEretOUTSAt27, p=0.975, method="gaussian")	SEAEESHIt27	SEAEESMOt27	SEAEESNOt27
SEAEESMOt28<-ES(datSEAEretOUTSAt28$rev.SEAEretOUTSAt28, p=0.975, method="modified")	SEAEESNOt28<-ES(datSEAEretOUTSAt28$rev.SEAEretOUTSAt28, p=0.975, method="gaussian")	SEAEESHIt28	SEAEESMOt28	SEAEESNOt28
SEAEESMOt29<-ES(datSEAEretOUTSAt29$rev.SEAEretOUTSAt29, p=0.975, method="modified")	SEAEESNOt29<-ES(datSEAEretOUTSAt29$rev.SEAEretOUTSAt29, p=0.975, method="gaussian")	SEAEESHIt29	SEAEESMOt29	SEAEESNOt29
SEAEESMOt30<-ES(datSEAEretOUTSAt30$rev.SEAEretOUTSAt30, p=0.975, method="modified")	SEAEESNOt30<-ES(datSEAEretOUTSAt30$rev.SEAEretOUTSAt30, p=0.975, method="gaussian")	SEAEESHIt30	SEAEESMOt30	SEAEESNOt30
SEAEESMOt31<-ES(datSEAEretOUTSAt31$rev.SEAEretOUTSAt31, p=0.975, method="modified")	SEAEESNOt31<-ES(datSEAEretOUTSAt31$rev.SEAEretOUTSAt31, p=0.975, method="gaussian")	SEAEESHIt31	SEAEESMOt31	SEAEESNOt31
SEAEESMOt32<-ES(datSEAEretOUTSAt32$rev.SEAEretOUTSAt32, p=0.975, method="modified")	SEAEESNOt32<-ES(datSEAEretOUTSAt32$rev.SEAEretOUTSAt32, p=0.975, method="gaussian")	SEAEESHIt32	SEAEESMOt32	SEAEESNOt32
SEAEESMOt33<-ES(datSEAEretOUTSAt33$rev.SEAEretOUTSAt33, p=0.975, method="modified")	SEAEESNOt33<-ES(datSEAEretOUTSAt33$rev.SEAEretOUTSAt33, p=0.975, method="gaussian")	SEAEESHIt33	SEAEESMOt33	SEAEESNOt33
SEAEESMOt34<-ES(datSEAEretOUTSAt34$rev.SEAEretOUTSAt34, p=0.975, method="modified")	SEAEESNOt34<-ES(datSEAEretOUTSAt34$rev.SEAEretOUTSAt34, p=0.975, method="gaussian")	SEAEESHIt34	SEAEESMOt34	SEAEESNOt34
SEAEESMOt35<-ES(datSEAEretOUTSAt35$rev.SEAEretOUTSAt35, p=0.975, method="modified")	SEAEESNOt35<-ES(datSEAEretOUTSAt35$rev.SEAEretOUTSAt35, p=0.975, method="gaussian")	SEAEESHIt35	SEAEESMOt35	SEAEESNOt35
SEAEESMOt36<-ES(datSEAEretOUTSAt36$rev.SEAEretOUTSAt36, p=0.975, method="modified")	SEAEESNOt36<-ES(datSEAEretOUTSAt36$rev.SEAEretOUTSAt36, p=0.975, method="gaussian")	SEAEESHIt36	SEAEESMOt36	SEAEESNOt36
SEAEESMOt37<-ES(datSEAEretOUTSAt37$rev.SEAEretOUTSAt37, p=0.975, method="modified")	SEAEESNOt37<-ES(datSEAEretOUTSAt37$rev.SEAEretOUTSAt37, p=0.975, method="gaussian")	SEAEESHIt37	SEAEESMOt37	SEAEESNOt37
SEAEESMOt38<-ES(datSEAEretOUTSAt38$rev.SEAEretOUTSAt38, p=0.975, method="modified")	SEAEESNOt38<-ES(datSEAEretOUTSAt38$rev.SEAEretOUTSAt38, p=0.975, method="gaussian")	SEAEESHIt38	SEAEESMOt38	SEAEESNOt38
SEAEESMOt39<-ES(datSEAEretOUTSAt39$rev.SEAEretOUTSAt39, p=0.975, method="modified")	SEAEESNOt39<-ES(datSEAEretOUTSAt39$rev.SEAEretOUTSAt39, p=0.975, method="gaussian")	SEAEESHIt39	SEAEESMOt39	SEAEESNOt39
SEAEESMOt40<-ES(datSEAEretOUTSAt40$rev.SEAEretOUTSAt40, p=0.975, method="modified")	SEAEESNOt40<-ES(datSEAEretOUTSAt40$rev.SEAEretOUTSAt40, p=0.975, method="gaussian")	SEAEESHIt40	SEAEESMOt40	SEAEESNOt40
SEAEESMOt41<-ES(datSEAEretOUTSAt41$rev.SEAEretOUTSAt41, p=0.975, method="modified")	SEAEESNOt41<-ES(datSEAEretOUTSAt41$rev.SEAEretOUTSAt41, p=0.975, method="gaussian")	SEAEESHIt41	SEAEESMOt41	SEAEESNOt41
SEAEESMOt42<-ES(datSEAEretOUTSAt42$rev.SEAEretOUTSAt42, p=0.975, method="modified")	SEAEESNOt42<-ES(datSEAEretOUTSAt42$rev.SEAEretOUTSAt42, p=0.975, method="gaussian")	SEAEESHIt42	SEAEESMOt42	SEAEESNOt42
SEAEESMOt43<-ES(datSEAEretOUTSAt43$rev.SEAEretOUTSAt43, p=0.975, method="modified")	SEAEESNOt43<-ES(datSEAEretOUTSAt43$rev.SEAEretOUTSAt43, p=0.975, method="gaussian")	SEAEESHIt43	SEAEESMOt43	SEAEESNOt43
SEAEESMOt44<-ES(datSEAEretOUTSAt44$rev.SEAEretOUTSAt44, p=0.975, method="modified")	SEAEESNOt44<-ES(datSEAEretOUTSAt44$rev.SEAEretOUTSAt44, p=0.975, method="gaussian")	SEAEESHIt44	SEAEESMOt44	SEAEESNOt44
SEAEESMOt45<-ES(datSEAEretOUTSAt45$rev.SEAEretOUTSAt45, p=0.975, method="modified")	SEAEESNOt45<-ES(datSEAEretOUTSAt45$rev.SEAEretOUTSAt45, p=0.975, method="gaussian")	SEAEESHIt45	SEAEESMOt45	SEAEESNOt45
SEAEESMOt46<-ES(datSEAEretOUTSAt46$rev.SEAEretOUTSAt46, p=0.975, method="modified")	SEAEESNOt46<-ES(datSEAEretOUTSAt46$rev.SEAEretOUTSAt46, p=0.975, method="gaussian")	SEAEESHIt46	SEAEESMOt46	SEAEESNOt46
SEAEESMOt47<-ES(datSEAEretOUTSAt47$rev.SEAEretOUTSAt47, p=0.975, method="modified")	SEAEESNOt47<-ES(datSEAEretOUTSAt47$rev.SEAEretOUTSAt47, p=0.975, method="gaussian")	SEAEESHIt47	SEAEESMOt47	SEAEESNOt47
SEAEESMOt48<-ES(datSEAEretOUTSAt48$rev.SEAEretOUTSAt48, p=0.975, method="modified")	SEAEESNOt48<-ES(datSEAEretOUTSAt48$rev.SEAEretOUTSAt48, p=0.975, method="gaussian")	SEAEESHIt48	SEAEESMOt48	SEAEESNOt48
SEAEESMOt49<-ES(datSEAEretOUTSAt49$rev.SEAEretOUTSAt49, p=0.975, method="modified")	SEAEESNOt49<-ES(datSEAEretOUTSAt49$rev.SEAEretOUTSAt49, p=0.975, method="gaussian")	SEAEESHIt49	SEAEESMOt49	SEAEESNOt49
SEAEESMOt50<-ES(datSEAEretOUTSAt50$rev.SEAEretOUTSAt50, p=0.975, method="modified")	SEAEESNOt50<-ES(datSEAEretOUTSAt50$rev.SEAEretOUTSAt50, p=0.975, method="gaussian")	SEAEESHIt50	SEAEESMOt50	SEAEESNOt50
SEAEESMOt51<-ES(datSEAEretOUTSAt51$rev.SEAEretOUTSAt51, p=0.975, method="modified")	SEAEESNOt51<-ES(datSEAEretOUTSAt51$rev.SEAEretOUTSAt51, p=0.975, method="gaussian")	SEAEESHIt51	SEAEESMOt51	SEAEESNOt51
SEAEESMOt52<-ES(datSEAEretOUTSAt52$rev.SEAEretOUTSAt52, p=0.975, method="modified")	SEAEESNOt52<-ES(datSEAEretOUTSAt52$rev.SEAEretOUTSAt52, p=0.975, method="gaussian")	SEAEESHIt52	SEAEESMOt52	SEAEESNOt52
SEAEESMOt53<-ES(datSEAEretOUTSAt53$rev.SEAEretOUTSAt53, p=0.975, method="modified")	SEAEESNOt53<-ES(datSEAEretOUTSAt53$rev.SEAEretOUTSAt53, p=0.975, method="gaussian")	SEAEESHIt53	SEAEESMOt53	SEAEESNOt53
SEAEESMOt54<-ES(datSEAEretOUTSAt54$rev.SEAEretOUTSAt54, p=0.975, method="modified")	SEAEESNOt54<-ES(datSEAEretOUTSAt54$rev.SEAEretOUTSAt54, p=0.975, method="gaussian")	SEAEESHIt54	SEAEESMOt54	SEAEESNOt54
SEAEESMOt55<-ES(datSEAEretOUTSAt55$rev.SEAEretOUTSAt55, p=0.975, method="modified")	SEAEESNOt55<-ES(datSEAEretOUTSAt55$rev.SEAEretOUTSAt55, p=0.975, method="gaussian")	SEAEESHIt55	SEAEESMOt55	SEAEESNOt55
SEAEESMOt56<-ES(datSEAEretOUTSAt56$rev.SEAEretOUTSAt56, p=0.975, method="modified")	SEAEESNOt56<-ES(datSEAEretOUTSAt56$rev.SEAEretOUTSAt56, p=0.975, method="gaussian")	SEAEESHIt56	SEAEESMOt56	SEAEESNOt56
SEAEESMOt57<-ES(datSEAEretOUTSAt57$rev.SEAEretOUTSAt57, p=0.975, method="modified")	SEAEESNOt57<-ES(datSEAEretOUTSAt57$rev.SEAEretOUTSAt57, p=0.975, method="gaussian")	SEAEESHIt57	SEAEESMOt57	SEAEESNOt57
SEAEESMOt58<-ES(datSEAEretOUTSAt58$rev.SEAEretOUTSAt58$rev.SEAEretOUTSAt58, p=0.975, method="modified")	SEAEESNOt58<-ES(datSEAEretOUTSAt58$rev.SEAEretOUTSAt58, p=0.975, method="gaussian")	SEAEESHIt58	SEAEESMOt58	SEAEESNOt58
SEAEESMOt59<-ES(datSEAEretOUTSAt59$rev.SEAEretOUTSAt59, p=0.975, method="modified")	SEAEESNOt59<-ES(datSEAEretOUTSAt59$rev.SEAEretOUTSAt59, p=0.975, method="gaussian")	SEAEESHIt59	SEAEESMOt59	SEAEESNOt59
SEAEESMOt60<-ES(datSEAEretOUTSAt60$rev.SEAEretOUTSAt60, p=0.975, method="modified")	SEAEESNOt60<-ES(datSEAEretOUTSAt60$rev.SEAEretOUTSAt60, p=0.975, method="gaussian")	SEAEESHIt60	SEAEESMOt60	SEAEESNOt60
SEAEESMOt61<-ES(datSEAEretOUTSAt61$rev.SEAEretOUTSAt61, p=0.975, method="modified")	SEAEESNOt61<-ES(datSEAEretOUTSAt61$rev.SEAEretOUTSAt61, p=0.975, method="gaussian")	SEAEESHIt61	SEAEESMOt61	SEAEESNOt61
SEAEESMOt62<-ES(datSEAEretOUTSAt62$rev.SEAEretOUTSAt62, p=0.975, method="modified")	SEAEESNOt62<-ES(datSEAEretOUTSAt62$rev.SEAEretOUTSAt62, p=0.975, method="gaussian")	SEAEESHIt62	SEAEESMOt62	SEAEESNOt62
SEAEESMOt63<-ES(datSEAEretOUTSAt63$rev.SEAEretOUTSAt63, p=0.975, method="modified")	SEAEESNOt63<-ES(datSEAEretOUTSAt63$rev.SEAEretOUTSAt63, p=0.975, method="gaussian")	SEAEESHIt63	SEAEESMOt63	SEAEESNOt63
SEAEESMOt64<-ES(datSEAEretOUTSAt64$rev.SEAEretOUTSAt64, p=0.975, method="modified")	SEAEESNOt64<-ES(datSEAEretOUTSAt64$rev.SEAEretOUTSAt64, p=0.975, method="gaussian")	SEAEESHIt64	SEAEESMOt64	SEAEESNOt64
SEAEESMOt65<-ES(datSEAEretOUTSAt65$rev.SEAEretOUTSAt65, p=0.975, method="modified")	SEAEESNOt65<-ES(datSEAEretOUTSAt65$rev.SEAEretOUTSAt65, p=0.975, method="gaussian")	SEAEESHIt65	SEAEESMOt65	SEAEESNOt65
SEAEESMOt66<-ES(datSEAEretOUTSAt66$rev.SEAEretOUTSAt66$rev.SEAEretOUTSAt66, p=0.975, method="modified")	SEAEESNOt66<-ES(datSEAEretOUTSAt66$rev.SEAEretOUTSAt66, p=0.975, method="gaussian")	SEAEESHIt66	SEAEESMOt66	SEAEESNOt66
SEAEESMOt67<-ES(datSEAEretOUTSAt67$rev.SEAEretOUTSAt67$rev.SEAEretOUTSAt67, p=0.975, method="modified")	SEAEESNOt67<-ES(datSEAEretOUTSAt67$rev.SEAEretOUTSAt67, p=0.975, method="gaussian")	SEAEESHIt67	SEAEESMOt67	SEAEESNOt67
SEAEESMOt68<-ES(datSEAEretOUTSAt68$rev.SEAEretOUTSAt68, p=0.975, method="modified")	SEAEESNOt68<-ES(datSEAEretOUTSAt68$rev.SEAEretOUTSAt68, p=0.975, method="gaussian")	SEAEESHIt68	SEAEESMOt68	SEAEESNOt68
SEAEESMOt69<-ES(datSEAEretOUTSAt69$rev.SEAEretOUTSAt69, p=0.975, method="modified")	SEAEESNOt69<-ES(datSEAEretOUTSAt69$rev.SEAEretOUTSAt69, p=0.975, method="gaussian")	SEAEESHIt69	SEAEESMOt69	SEAEESNOt69
SEAEESMOt70<-ES(datSEAEretOUTSAt70$rev.SEAEretOUTSAt70, p=0.975, method="modified")	SEAEESNOt70<-ES(datSEAEretOUTSAt70$rev.SEAEretOUTSAt70, p=0.975, method="gaussian")	SEAEESHIt70	SEAEESMOt70	SEAEESNOt70
SEAEESMOt71<-ES(datSEAEretOUTSAt71$rev.SEAEretOUTSAt71, p=0.975, method="modified")	SEAEESNOt71<-ES(datSEAEretOUTSAt71$rev.SEAEretOUTSAt71, p=0.975, method="gaussian")	SEAEESHIt71	SEAEESMOt71	SEAEESNOt71
SEAEESMOt72<-ES(datSEAEretOUTSAt72$rev.SEAEretOUTSAt72, p=0.975, method="modified")	SEAEESNOt72<-ES(datSEAEretOUTSAt72$rev.SEAEretOUTSAt72, p=0.975, method="gaussian")	SEAEESHIt72	SEAEESMOt72	SEAEESNOt72
SEAEESMOt73<-ES(datSEAEretOUTSAt73$rev.SEAEretOUTSAt73, p=0.975, method="modified")	SEAEESNOt73<-ES(datSEAEretOUTSAt73$rev.SEAEretOUTSAt73, p=0.975, method="gaussian")	SEAEESHIt73	SEAEESMOt73	SEAEESNOt73
SEAEESMOt74<-ES(datSEAEretOUTSAt74$rev.SEAEretOUTSAt74, p=0.975, method="modified")	SEAEESNOt74<-ES(datSEAEretOUTSAt74$rev.SEAEretOUTSAt74, p=0.975, method="gaussian")	SEAEESHIt74	SEAEESMOt74	SEAEESNOt74
SEAEESMOt75<-ES(datSEAEretOUTSAt75$rev.SEAEretOUTSAt75, p=0.975, method="modified")	SEAEESNOt75<-ES(datSEAEretOUTSAt75$rev.SEAEretOUTSAt75, p=0.975, method="gaussian")	SEAEESHIt75	SEAEESMOt75	SEAEESNOt75
SEAEESMOt76<-ES(datSEAEretOUTSAt76$rev.SEAEretOUTSAt76, p=0.975, method="modified")	SEAEESNOt76<-ES(datSEAEretOUTSAt76$rev.SEAEretOUTSAt76, p=0.975, method="gaussian")	SEAEESHIt76	SEAEESMOt76	SEAEESNOt76
SEAEESMOt77<-ES(datSEAEretOUTSAt77$rev.SEAEretOUTSAt77, p=0.975, method="modified")	SEAEESNOt77<-ES(datSEAEretOUTSAt77$rev.SEAEretOUTSAt77, p=0.975, method="gaussian")	SEAEESHIt77	SEAEESMOt77	SEAEESNOt77
SEAEESMOt78<-ES(datSEAEretOUTSAt78$rev.SEAEretOUTSAt78, p=0.975, method="modified")	SEAEESNOt78<-ES(datSEAEretOUTSAt78$rev.SEAEretOUTSAt78, p=0.975, method="gaussian")	SEAEESHIt78	SEAEESMOt78	SEAEESNOt78
SEAEESMOt79<-ES(datSEAEretOUTSAt79$rev.SEAEretOUTSAt79, p=0.975, method="modified")	SEAEESNOt79<-ES(datSEAEretOUTSAt79$rev.SEAEretOUTSAt79, p=0.975, method="gaussian")	SEAEESHIt79	SEAEESMOt79	SEAEESNOt79
SEAEESMOt80<-ES(datSEAEretOUTSAt80$rev.SEAEretOUTSAt80, p=0.975, method="modified")	SEAEESNOt80<-ES(datSEAEretOUTSAt80$rev.SEAEretOUTSAt80, p=0.975, method="gaussian")	SEAEESHIt80	SEAEESMOt80	SEAEESNOt80
SEAEESMOt81<-ES(datSEAEretOUTSAt81$rev.SEAEretOUTSAt81$rev.SEAEretOUTSAt81, p=0.975, method="modified")	SEAEESNOt81<-ES(datSEAEretOUTSAt81$rev.SEAEretOUTSAt81, p=0.975, method="gaussian")	SEAEESHIt81	SEAEESMOt81	SEAEESNOt81
SEAEESMOt82<-ES(datSEAEretOUTSAt82$rev.SEAEretOUTSAt82, p=0.975, method="modified")	SEAEESNOt82<-ES(datSEAEretOUTSAt82$rev.SEAEretOUTSAt82, p=0.975, method="gaussian")	SEAEESHIt82	SEAEESMOt82	SEAEESNOt82
SEAEESMOt83<-ES(datSEAEretOUTSAt83$rev.SEAEretOUTSAt83, p=0.975, method="modified")	SEAEESNOt83<-ES(datSEAEretOUTSAt83$rev.SEAEretOUTSAt83, p=0.975, method="gaussian")	SEAEESHIt83	SEAEESMOt83	SEAEESNOt83
SEAEESMOt84<-ES(datSEAEretOUTSAt84$rev.SEAEretOUTSAt84, p=0.975, method="modified")	SEAEESNOt84<-ES(datSEAEretOUTSAt84$rev.SEAEretOUTSAt84, p=0.975, method="gaussian")	SEAEESHIt84	SEAEESMOt84	SEAEESNOt84
SEAEESMOt85<-ES(datSEAEretOUTSAt85$rev.SEAEretOUTSAt85, p=0.975, method="modified")	SEAEESNOt85<-ES(datSEAEretOUTSAt85$rev.SEAEretOUTSAt85, p=0.975, method="gaussian")	SEAEESHIt85	SEAEESMOt85	SEAEESNOt85
SEAEESMOt86<-ES(datSEAEretOUTSAt86$rev.SEAEretOUTSAt86, p=0.975, method="modified")	SEAEESNOt86<-ES(datSEAEretOUTSAt86$rev.SEAEretOUTSAt86, p=0.975, method="gaussian")	SEAEESHIt86	SEAEESMOt86	SEAEESNOt86
SEAEESMOt87<-ES(datSEAEretOUTSAt87$rev.SEAEretOUTSAt87, p=0.975, method="modified")	SEAEESNOt87<-ES(datSEAEretOUTSAt87$rev.SEAEretOUTSAt87, p=0.975, method="gaussian")	SEAEESHIt87	SEAEESMOt87	SEAEESNOt87
SEAEESMOt88<-ES(datSEAEretOUTSAt88$rev.SEAEretOUTSAt88, p=0.975, method="modified")	SEAEESNOt88<-ES(datSEAEretOUTSAt88$rev.SEAEretOUTSAt88, p=0.975, method="gaussian")	SEAEESHIt88	SEAEESMOt88	SEAEESNOt88
SEAEESMOt89<-ES(datSEAEretOUTSAt89$rev.SEAEretOUTSAt89, p=0.975, method="modified")	SEAEESNOt89<-ES(datSEAEretOUTSAt89$rev.SEAEretOUTSAt89, p=0.975, method="gaussian")	SEAE

SEAEESMDt109<-ES(datSEAEretOUTSAt109$rev.SEAEretOUTSAt109, p=0.975, method="modified")	SEAEESNOt109<-ES(datSEAEretOUTSAt109$rev.SEAEretOUTSAt109, p=0.975, method="gaussian")	SEAEESHIt109	SEAEESMDt109	SEAEESNDt109
SEAEESMDt110<-ES(datSEAEretOUTSAt110$rev.SEAEretOUTSAt110, p=0.975, method="modified")	SEAEESNOt110<-ES(datSEAEretOUTSAt110$rev.SEAEretOUTSAt110, p=0.975, method="gaussian")	SEAEESHIt110	SEAEESMDt110	SEAEESNDt110
SEAEESMDt111<-ES(datSEAEretOUTSAt111$rev.SEAEretOUTSAt111, p=0.975, method="modified")	SEAEESNOt111<-ES(datSEAEretOUTSAt111$rev.SEAEretOUTSAt111, p=0.975, method="gaussian")	SEAEESHIt111	SEAEESMDt111	SEAEESNDt111
SEAEESMDt112<-ES(datSEAEretOUTSAt112$rev.SEAEretOUTSAt112, p=0.975, method="modified")	SEAEESNOt112<-ES(datSEAEretOUTSAt112$rev.SEAEretOUTSAt112, p=0.975, method="gaussian")	SEAEESHIt112	SEAEESMDt112	SEAEESNDt112
SEAEESMDt113<-ES(datSEAEretOUTSAt113$rev.SEAEretOUTSAt113, p=0.975, method="modified")	SEAEESNOt113<-ES(datSEAEretOUTSAt113$rev.SEAEretOUTSAt113, p=0.975, method="gaussian")	SEAEESHIt113	SEAEESMDt113	SEAEESNDt113
SEAEESMDt114<-ES(datSEAEretOUTSAt114$rev.SEAEretOUTSAt114, p=0.975, method="modified")	SEAEESNOt114<-ES(datSEAEretOUTSAt114$rev.SEAEretOUTSAt114, p=0.975, method="gaussian")	SEAEESHIt114	SEAEESMDt114	SEAEESNDt114
SEAEESMDt115<-ES(datSEAEretOUTSAt115$rev.SEAEretOUTSAt115, p=0.975, method="modified")	SEAEESNOt115<-ES(datSEAEretOUTSAt115$rev.SEAEretOUTSAt115, p=0.975, method="gaussian")	SEAEESHIt115	SEAEESMDt115	SEAEESNDt115
SEAEESMDt116<-ES(datSEAEretOUTSAt116$rev.SEAEretOUTSAt116, p=0.975, method="modified")	SEAEESNOt116<-ES(datSEAEretOUTSAt116$rev.SEAEretOUTSAt116, p=0.975, method="gaussian")	SEAEESHIt116	SEAEESMDt116	SEAEESNDt116
SEAEESMDt117<-ES(datSEAEretOUTSAt117$rev.SEAEretOUTSAt117, p=0.975, method="modified")	SEAEESNOt117<-ES(datSEAEretOUTSAt117$rev.SEAEretOUTSAt117, p=0.975, method="gaussian")	SEAEESHIt117	SEAEESMDt117	SEAEESNDt117
SEAEESMDt118<-ES(datSEAEretOUTSAt118$rev.SEAEretOUTSAt118, p=0.975, method="modified")	SEAEESNOt118<-ES(datSEAEretOUTSAt118$rev.SEAEretOUTSAt118, p=0.975, method="gaussian")	SEAEESHIt118	SEAEESMDt118	SEAEESNDt118
SEAEESMDt119<-ES(datSEAEretOUTSAt119$rev.SEAEretOUTSAt119, p=0.975, method="modified")	SEAEESNOt119<-ES(datSEAEretOUTSAt119$rev.SEAEretOUTSAt119, p=0.975, method="gaussian")	SEAEESHIt119	SEAEESMDt119	SEAEESNDt119
SEAEESMDt120<-ES(datSEAEretOUTSAt120$rev.SEAEretOUTSAt120, p=0.975, method="modified")	SEAEESNOt120<-ES(datSEAEretOUTSAt120$rev.SEAEretOUTSAt120, p=0.975, method="gaussian")	SEAEESHIt120	SEAEESMDt120	SEAEESNDt120
SEAEESMDt121<-ES(datSEAEretOUTSAt121$rev.SEAEretOUTSAt121, p=0.975, method="modified")	SEAEESNOt121<-ES(datSEAEretOUTSAt121$rev.SEAEretOUTSAt121, p=0.975, method="gaussian")	SEAEESHIt121	SEAEESMDt121	SEAEESNDt121
SEAEESMDt122<-ES(datSEAEretOUTSAt122$rev.SEAEretOUTSAt122, p=0.975, method="modified")	SEAEESNOt122<-ES(datSEAEretOUTSAt122$rev.SEAEretOUTSAt122, p=0.975, method="gaussian")	SEAEESHIt122	SEAEESMDt122	SEAEESNDt122
SEAEESMDt123<-ES(datSEAEretOUTSAt123$rev.SEAEretOUTSAt123, p=0.975, method="modified")	SEAEESNOt123<-ES(datSEAEretOUTSAt123$rev.SEAEretOUTSAt123, p=0.975, method="gaussian")	SEAEESHIt123	SEAEESMDt123	SEAEESNDt123
SEAEESMDt124<-ES(datSEAEretOUTSAt124$rev.SEAEretOUTSAt124, p=0.975, method="modified")	SEAEESNOt124<-ES(datSEAEretOUTSAt124$rev.SEAEretOUTSAt124, p=0.975, method="gaussian")	SEAEESHIt124	SEAEESMDt124	SEAEESNDt124
SEAEESMDt125<-ES(datSEAEretOUTSAt125$rev.SEAEretOUTSAt125, p=0.975, method="modified")	SEAEESNOt125<-ES(datSEAEretOUTSAt125$rev.SEAEretOUTSAt125, p=0.975, method="gaussian")	SEAEESHIt125	SEAEESMDt125	SEAEESNDt125
SEAEESMDt126<-ES(datSEAEretOUTSAt126$rev.SEAEretOUTSAt126, p=0.975, method="modified")	SEAEESNOt126<-ES(datSEAEretOUTSAt126$rev.SEAEretOUTSAt126, p=0.975, method="gaussian")	SEAEESHIt126	SEAEESMDt126	SEAEESNDt126
SEAEESMDt127<-ES(datSEAEretOUTSAt127$rev.SEAEretOUTSAt127, p=0.975, method="modified")	SEAEESNOt127<-ES(datSEAEretOUTSAt127$rev.SEAEretOUTSAt127, p=0.975, method="gaussian")	SEAEESHIt127	SEAEESMDt127	SEAEESNDt127
SEAEESMDt128<-ES(datSEAEretOUTSAt128$rev.SEAEretOUTSAt128, p=0.975, method="modified")	SEAEESNOt128<-ES(datSEAEretOUTSAt128$rev.SEAEretOUTSAt128, p=0.975, method="gaussian")	SEAEESHIt128	SEAEESMDt128	SEAEESNDt128
SEAEESMDt129<-ES(datSEAEretOUTSAt129$rev.SEAEretOUTSAt129, p=0.975, method="modified")	SEAEESNOt129<-ES(datSEAEretOUTSAt129$rev.SEAEretOUTSAt129, p=0.975, method="gaussian")	SEAEESHIt129	SEAEESMDt129	SEAEESNDt129
SEAEESMDt130<-ES(datSEAEretOUTSAt130$rev.SEAEretOUTSAt130, p=0.975, method="modified")	SEAEESNOt130<-ES(datSEAEretOUTSAt130$rev.SEAEretOUTSAt130, p=0.975, method="gaussian")	SEAEESHIt130	SEAEESMDt130	SEAEESNDt130
SEAEESMDt131<-ES(datSEAEretOUTSAt131$rev.SEAEretOUTSAt131, p=0.975, method="modified")	SEAEESNOt131<-ES(datSEAEretOUTSAt131$rev.SEAEretOUTSAt131, p=0.975, method="gaussian")	SEAEESHIt131	SEAEESMDt131	SEAEESNDt131
SEAEESMDt132<-ES(datSEAEretOUTSAt132$rev.SEAEretOUTSAt132, p=0.975, method="modified")	SEAEESNOt132<-ES(datSEAEretOUTSAt132$rev.SEAEretOUTSAt132, p=0.975, method="gaussian")	SEAEESHIt132	SEAEESMDt132	SEAEESNDt132
SEAEESMDt133<-ES(datSEAEretOUTSAt133$rev.SEAEretOUTSAt133, p=0.975, method="modified")	SEAEESNOt133<-ES(datSEAEretOUTSAt133$rev.SEAEretOUTSAt133, p=0.975, method="gaussian")	SEAEESHIt133	SEAEESMDt133	SEAEESNDt133
SEAEESMDt134<-ES(datSEAEretOUTSAt134$rev.SEAEretOUTSAt134, p=0.975, method="modified")	SEAEESNOt134<-ES(datSEAEretOUTSAt134$rev.SEAEretOUTSAt134, p=0.975, method="gaussian")	SEAEESHIt134	SEAEESMDt134	SEAEESNDt134
SEAEESMDt135<-ES(datSEAEretOUTSAt135$rev.SEAEretOUTSAt135, p=0.975, method="modified")	SEAEESNOt135<-ES(datSEAEretOUTSAt135$rev.SEAEretOUTSAt135, p=0.975, method="gaussian")	SEAEESHIt135	SEAEESMDt135	SEAEESNDt135
SEAEESMDt136<-ES(datSEAEretOUTSAt136$rev.SEAEretOUTSAt136, p=0.975, method="modified")	SEAEESNOt136<-ES(datSEAEretOUTSAt136$rev.SEAEretOUTSAt136, p=0.975, method="gaussian")	SEAEESHIt136	SEAEESMDt136	SEAEESNDt136
SEAEESMDt137<-ES(datSEAEretOUTSAt137$rev.SEAEretOUTSAt137, p=0.975, method="modified")	SEAEESNOt137<-ES(datSEAEretOUTSAt137$rev.SEAEretOUTSAt137, p=0.975, method="gaussian")	SEAEESHIt137	SEAEESMDt137	SEAEESNDt137
SEAEESMDt138<-ES(datSEAEretOUTSAt138$rev.SEAEretOUTSAt138, p=0.975, method="modified")	SEAEESNOt138<-ES(datSEAEretOUTSAt138$rev.SEAEretOUTSAt138, p=0.975, method="gaussian")	SEAEESHIt138	SEAEESMDt138	SEAEESNDt138
SEAEESMDt139<-ES(datSEAEretOUTSAt139$rev.SEAEretOUTSAt139, p=0.975, method="modified")	SEAEESNOt139<-ES(datSEAEretOUTSAt139$rev.SEAEretOUTSAt139, p=0.975, method="gaussian")	SEAEESHIt139	SEAEESMDt139	SEAEESNDt139
SEAEESMDt140<-ES(datSEAEretOUTSAt140$rev.SEAEretOUTSAt140, p=0.975, method="modified")	SEAEESNOt140<-ES(datSEAEretOUTSAt140$rev.SEAEretOUTSAt140, p=0.975, method="gaussian")	SEAEESHIt140	SEAEESMDt140	SEAEESNDt140
SEAEESMDt141<-ES(datSEAEretOUTSAt141$rev.SEAEretOUTSAt141, p=0.975, method="modified")	SEAEESNOt141<-ES(datSEAEretOUTSAt141$rev.SEAEretOUTSAt141, p=0.975, method="gaussian")	SEAEESHIt141	SEAEESMDt141	SEAEESNDt141
SEAEESMDt142<-ES(datSEAEretOUTSAt142$rev.SEAEretOUTSAt142, p=0.975, method="modified")	SEAEESNOt142<-ES(datSEAEretOUTSAt142$rev.SEAEretOUTSAt142, p=0.975, method="gaussian")	SEAEESHIt142	SEAEESMDt142	SEAEESNDt142
SEAEESMDt143<-ES(datSEAEretOUTSAt143$rev.SEAEretOUTSAt143, p=0.975, method="modified")	SEAEESNOt143<-ES(datSEAEretOUTSAt143$rev.SEAEretOUTSAt143, p=0.975, method="gaussian")	SEAEESHIt143	SEAEESMDt143	SEAEESNDt143
SEAEESMDt144<-ES(datSEAEretOUTSAt144$rev.SEAEretOUTSAt144, p=0.975, method="modified")	SEAEESNOt144<-ES(datSEAEretOUTSAt144$rev.SEAEretOUTSAt144, p=0.975, method="gaussian")	SEAEESHIt144	SEAEESMDt144	SEAEESNDt144
SEAEESMDt145<-ES(datSEAEretOUTSAt145$rev.SEAEretOUTSAt145, p=0.975, method="modified")	SEAEESNOt145<-ES(datSEAEretOUTSAt145$rev.SEAEretOUTSAt145, p=0.975, method="gaussian")	SEAEESHIt145	SEAEESMDt145	SEAEESNDt145
SEAEESMDt146<-ES(datSEAEretOUTSAt146$rev.SEAEretOUTSAt146, p=0.975, method="modified")	SEAEESNOt146<-ES(datSEAEretOUTSAt146$rev.SEAEretOUTSAt146, p=0.975, method="gaussian")	SEAEESHIt146	SEAEESMDt146	SEAEESNDt146
SEAEESMDt147<-ES(datSEAEretOUTSAt147$rev.SEAEretOUTSAt147, p=0.975, method="modified")	SEAEESNOt147<-ES(datSEAEretOUTSAt147$rev.SEAEretOUTSAt147, p=0.975, method="gaussian")	SEAEESHIt147	SEAEESMDt147	SEAEESNDt147
SEAEESMDt148<-ES(datSEAEretOUTSAt148$rev.SEAEretOUTSAt148, p=0.975, method="modified")	SEAEESNOt148<-ES(datSEAEretOUTSAt148$rev.SEAEretOUTSAt148, p=0.975, method="gaussian")	SEAEESHIt148	SEAEESMDt148	SEAEESNDt148
SEAEESMDt149<-ES(datSEAEretOUTSAt149$rev.SEAEretOUTSAt149, p=0.975, method="modified")	SEAEESNOt149<-ES(datSEAEretOUTSAt149$rev.SEAEretOUTSAt149, p=0.975, method="gaussian")	SEAEESHIt149	SEAEESMDt149	SEAEESNDt149
SEAEESMDt150<-ES(datSEAEretOUTSAt150$rev.SEAEretOUTSAt150, p=0.975, method="modified")	SEAEESNOt150<-ES(datSEAEretOUTSAt150$rev.SEAEretOUTSAt150, p=0.975, method="gaussian")	SEAEESHIt150	SEAEESMDt150	SEAEESNDt150
SEAEESMDt151<-ES(datSEAEretOUTSAt151$rev.SEAEretOUTSAt151, p=0.975, method="modified")	SEAEESNOt151<-ES(datSEAEretOUTSAt151$rev.SEAEretOUTSAt151, p=0.975, method="gaussian")	SEAEESHIt151	SEAEESMDt151	SEAEESNDt151
SEAEESMDt152<-ES(datSEAEretOUTSAt152$rev.SEAEretOUTSAt152, p=0.975, method="modified")	SEAEESNOt152<-ES(datSEAEretOUTSAt152$rev.SEAEretOUTSAt152, p=0.975, method="gaussian")	SEAEESHIt152	SEAEESMDt152	SEAEESNDt152
SEAEESMDt153<-ES(datSEAEretOUTSAt153$rev.SEAEretOUTSAt153, p=0.975, method="modified")	SEAEESNOt153<-ES(datSEAEretOUTSAt153$rev.SEAEretOUTSAt153, p=0.975, method="gaussian")	SEAEESHIt153	SEAEESMDt153	SEAEESNDt153
SEAEESMDt154<-ES(datSEAEretOUTSAt154$rev.SEAEretOUTSAt154, p=0.975, method="modified")	SEAEESNOt154<-ES(datSEAEretOUTSAt154$rev.SEAEretOUTSAt154, p=0.975, method="gaussian")	SEAEESHIt154	SEAEESMDt154	SEAEESNDt154
SEAEESMDt155<-ES(datSEAEretOUTSAt155$rev.SEAEretOUTSAt155, p=0.975, method="modified")	SEAEESNOt155<-ES(datSEAEretOUTSAt155$rev.SEAEretOUTSAt155, p=0.975, method="gaussian")	SEAEESHIt155	SEAEESMDt155	SEAEESNDt155
SEAEESMDt156<-ES(datSEAEretOUTSAt156$rev.SEAEretOUTSAt156, p=0.975, method="modified")	SEAEESNOt156<-ES(datSEAEretOUTSAt156$rev.SEAEretOUTSAt156, p=0.975, method="gaussian")	SEAEESHIt156	SEAEESMDt156	SEAEESNDt156
SEAEESMDt157<-ES(datSEAEretOUTSAt157$rev.SEAEretOUTSAt157, p=0.975, method="modified")	SEAEESNOt157<-ES(datSEAEretOUTSAt157$rev.SEAEretOUTSAt157, p=0.975, method="gaussian")	SEAEESHIt157	SEAEESMDt157	SEAEESNDt157
SEAEESMDt158<-ES(datSEAEretOUTSAt158$rev.SEAEretOUTSAt158, p=0.975, method="modified")	SEAEESNOt158<-ES(datSEAEretOUTSAt158$rev.SEAEretOUTSAt158, p=0.975, method="gaussian")	SEAEESHIt158	SEAEESMDt158	SEAEESNDt158
SEAEESMDt159<-ES(datSEAEretOUTSAt159$rev.SEAEretOUTSAt159, p=0.975, method="modified")	SEAEESNOt159<-ES(datSEAEretOUTSAt159$rev.SEAEretOUTSAt159, p=0.975, method="gaussian")	SEAEESHIt159	SEAEESMDt159	SEAEESNDt159
SEAEESMDt160<-ES(datSEAEretOUTSAt160$rev.SEAEretOUTSAt160, p=0.975, method="modified")	SEAEESNOt160<-ES(datSEAEretOUTSAt160$rev.SEAEretOUTSAt160, p=0.975, method="gaussian")	SEAEESHIt160	SEAEESMDt160	SEAEESNDt160
SEAEESMDt161<-ES(datSEAEretOUTSAt161$rev.SEAEretOUTSAt161, p=0.975, method="modified")	SEAEESNOt161<-ES(datSEAEretOUTSAt161$rev.SEAEretOUTSAt161, p=0.975, method="gaussian")	SEAEESHIt161	SEAEESMDt161	SEAEESNDt161
SEAEESMDt162<-ES(datSEAEretOUTSAt162$rev.SEAEretOUTSAt162, p=0.975, method="modified")	SEAEESNOt162<-ES(datSEAEretOUTSAt162$rev.SEAEretOUTSAt162, p=0.975, method="gaussian")	SEAEESHIt162	SEAEESMDt162	SEAEESNDt162
SEAEESMDt163<-ES(datSEAEretOUTSAt163$rev.SEAEretOUTSAt163, p=0.975, method="modified")	SEAEESNOt163<-ES(datSEAEretOUTSAt163$rev.SEAEretOUTSAt163, p=0.975, method="gaussian")	SEAEESHIt163	SEAEESMDt163	SEAEESNDt163
SEAEESMDt164<-ES(datSEAEretOUTSAt164$rev.SEAEretOUTSAt164, p=0.975, method="modified")	SEAEESNOt164<-ES(datSEAEretOUTSAt164$rev.SEAEretOUTSAt164, p=0.975, method="gaussian")	SEAEESHIt164	SEAEESMDt164	SEAEESNDt164
SEAEESMDt165<-ES(datSEAEretOUTSAt165$rev.SEAEretOUTSAt165, p=0.975, method="modified")	SEAEESNOt165<-ES(datSEAEretOUTSAt165$rev.SEAEretOUTSAt165, p=0.975, method="gaussian")	SEAEESHIt165	SEAEESMDt165	SEAEESNDt165
SEAEESMDt166<-ES(datSEAEretOUTSAt166$rev.SEAEretOUTSAt166, p=0.975, method="modified")	SEAEESNOt166<-ES(datSEAEretOUTSAt166$rev.SEAEretOUTSAt166, p=0.975, method="gaussian")	SEAEESHIt166	SEAEESMDt166	SEAEESNDt166
SEAEESMDt167<-ES(datSEAEretOUTSAt167$rev.SEAEretOUTSAt167, p=0.975, method="modified")	SEAEESNOt167<-ES(datSEAEretOUTSAt167$rev.SEAEretOUTSAt167, p=0.975, method="gaussian")	SEAEESHIt167	SEAEESMDt167	SEAEESNDt167
SEAEESMDt168<-ES(datSEAEretOUTSAt168$rev.SEAEretOUTSAt168, p=0.975, method="modified")	SEAEESNOt168<-ES(datSEAEretOUTSAt168$rev.SEAEretOUTSAt168, p=0.975, method="gaussian")	SEAEESHIt168	SEAEESMDt168	SEAEESNDt168
SEAEESMDt169<-ES(datSEAEretOUTSAt169$rev.SEAEretOUTSAt169, p=0.975, method="modified")	SEAEESNOt169<-ES(datSEAEretOUTSAt169$rev.SEAEretOUTSAt169, p=0.975, method="gaussian")	SEAEESHIt169	SEAEESMDt169	SEAEESNDt169
SEAEESMDt170<-ES(datSEAEretOUTSAt170$rev.SEAEretOUTSAt170, p=0.975, method="modified")	SEAEESNOt170<-ES(datSEAEretOUTSAt170$rev.SEAEretOUTSAt170, p=0.975, method="gaussian")	SEAEESHIt170	SEAEESMDt170	SEAEESNDt170
SEAEESMDt171<-ES(datSEAEretOUTSAt171$rev.SEAEretOUTSAt171, p=0.975, method="modified")	SEAEESNOt171<-ES(datSEAEretOUTSAt171$rev.SEAEretOUTSAt171, p=0.975, method="gaussian")	SEAEESHIt171	SEAEESMDt171	SEAEESNDt171
SEAEESMDt172<-ES(datSEAEretOUTSAt172$rev.SEAEretOUTSAt172, p=0.975, method="modified")	SEAEESNOt172<-ES(datSEAEretOUTSAt172$rev.SEAEretOUTSAt172, p=0.975, method="gaussian")	SEAEESHIt172	SEAEESMDt172	SEAEESNDt172
SEAEESMDt173<-ES(datSEAEretOUTSAt173$rev.SEAEretOUTSAt173, p=0.975, method="modified")	SEAEESNOt173<-ES(datSEAEretOUTSAt173$rev.SEAEretOUTSAt173, p=0.975, method="gaussian")	SEAEESHIt173	SEAEESMDt173	SEAEESNDt173
SEAEESMDt174<-ES(datSEAEretOUTSAt174$rev.SEAEretOUTSAt174, p=0.975, method="modified")	SEAEESNOt174<-ES(datSEAEretOUTSAt174$rev.SEAEretOUTSAt174, p=0.975, method="gaussian")	SEAEESHIt174	SEAEESMDt174	SEAEESNDt174
SEAEESMDt175<-ES(datSEAEretOUTSAt175$rev.SEAEretOUTSAt175, p=0.975, method="modified")	SEAEESNOt175<-ES(datSEAEretOUTSAt175$rev.SEAEretOUTSAt175, p=0.975, method="gaussian")	SEAEESHIt175	SEAEESMDt175	SEAEESNDt175
SEAEESMDt176<-ES(datSEAEretOUTSAt176$rev.SEAEretOUTSAt176, p=0.975, method="modified")	SEAEESNOt176<-ES(datSEAEretOUTSAt176$rev.SEAEretOUTSAt176, p=0.975, method="gaussian")	SEAEESHIt176	SEAEESMDt176	SEAEESNDt176
SEAEESMDt177<-ES(datSEAEretOUTSAt177$rev.SEAEretOUTSAt177, p=0.975, method="modified")	SEAEESNOt177<-ES(datSEAEretOUTSAt177$rev.SEAEretOUTSAt177, p=0.975, method="gaussian")	SEAEESHIt177	SEAEESMDt177	SEAEESNDt177
SEAEESMDt178<-ES(datSEAEretOUTSAt178$rev.SEAEretOUTSAt178, p=0.975, method="modified")	SEAEESNOt178<-ES(datSEAEretOUTSAt178$rev.SEAEretOUTSAt178, p=0.975, method="gaussian")	SEAEESHIt178	SEAEESMDt178	SEAEESNDt178
SEAEESMDt179<-ES(datSEAEretOUTSAt179$rev.SEAEretOUTSAt179, p=0.975, method="modified")	SEAEESNOt179<-ES(datSEAEretOUTSAt179$rev.SEAEretOUTSAt179, p=0.975, method="gaussian")	SEAEESHIt179	SEAEESMDt179	SEAEESNDt179
SEAEESMDt180<-ES(datSEAEretOUTSAt180$rev.SEAEretOUTSAt180, p=0.975, method="modified")	SEAEESNOt180<-ES(datSEAEretOUTSAt180$rev.SEAEretOUTSAt180, p=0.975, method="gaussian")	SEAEESHIt180	SEAEESMDt180	SEAEESNDt180
SEAEESMDt181<-ES(datSEAEretOUTSAt181$rev.SEAEretOUTSAt181, p=0.975, method="modified")	SEAEESNOt181<-ES(datSEAEretOUTSAt181$rev.SEAEretOUTSAt181, p=0.975, method="gaussian")	SEAEESHIt181	SEAEESMDt181	SEAEESNDt181
SESOESMDt1<-ES(datSESOretOUTSAt1$rev.SESOretOUTSAt1, p=0.975, method="modified")	SESOESNOt1<-ES(datSESOretOUTSAt1$rev.SESOretOUTSAt1, p=0.975, method="gaussian")	SESOESHIt1	SESOESMDt1	SESOESNDt1
SESOESMDt2<-ES(datSESOretOUTSAt2$rev.SESOretOUTSAt2, p=0.975, method="modified")	SESOESNOt2<-ES(datSESOretOUTSAt2$rev.SESOretOUTSAt2, p=0.975, method="gaussian")	SESOESHIt2	SESOESMDt2	SESOESNDt2
SESOESMDt3<-ES(datSESOretOUTSAt3$rev.SESOretOUTSAt3, p=0.975, method="modified")	SESOESNOt3<-ES(datSESOretOUTSAt3$rev.SESOretOUTSAt3, p=0.975, method="gaussian")	SESOESHIt3	SESOESMDt3	SESOESNDt3
SESOESMDt4<-ES(datSESOretOUTSAt4$rev.SESOretOUTSAt4, p=0.975, method="modified")	SESOESNOt4<-ES(datSESOretOUTSAt4$rev.SESOretOUTSAt4, p=0.975, method="gaussian")	SESOESHIt4	SESOESMDt4	SESOESNDt4
SESOESMDt5<-ES(datSESOretOUTSAt5$rev.SESOretOUTSAt5, p=0.975, method="modified")	SESOESNOt5<-ES(datSESOretOUTSAt5$rev.SESOretOUTSAt5, p=0.975, method="gaussian")	SESOESHIt5	SESOESMDt5	SESOESNDt5
SESOESMDt6<-ES(datSESOretOUTSAt6$rev.SESOretOUTSAt6, p=0.975, method="modified")	SESOESNOt6<-ES(datSESOretOUTSAt6$rev.SESOretOUTSAt6, p=0.975, method="gaussian")	SESOESHIt6	SESOESMDt6	SESOESNDt6
SESOESMDt7<-ES(datSESOretOUTSAt7$rev.SESOretOUTSAt7, p=0.975, method="modified")	SESOESNOt7<-ES(datSESOretOUTSAt7$rev.SESOretOUTSAt7, p=0.975, method="gaussian")	SESOESHIt7	SESOESMDt7	SESOESNDt7
SESOESMDt8<-ES(datSESOretOUTSAt8$rev.SESOretOUTSAt8, p=0.975, method="modified")	SESOESNOt8<-ES(datSESOretOUTSAt8$rev.SESOretOUTSAt8, p=0.975, method="gaussian")	SESOESHIt8	SESOESMDt8	SESOESNDt8
SESOESMDt9<-ES(datSESOretOUTSAt9$rev.SESOretOUTSAt9, p=0.975, method="modified")	SESOESNOt9<-ES(datSESOretOUTSAt9$rev.SESOretOUTSAt9, p=0.975, method="gaussian")	SESOESHIt9	SESOESMDt9	SESOESNDt9
SESOESMDt10<-ES(datSESOretOUTSAt10$rev.SESOretOUTSAt10, p=0.975, method="modified")	SESOESNOt10<-ES(datSESOretOUTSAt10$rev.SESOretOUTSAt10, p=0.975, method="gaussian")	SESOESHIt10	SESOESMDt10	SESOESNDt10
SESOESMDt11<-ES(datSESOretOUTSAt11$rev.SESOretOUTSAt11, p=0.975, method="modified")	SESOESNOt11<-ES(datSESOretOUTSAt11$rev.SESOretOUTSAt11, p=0.975, method="gaussian")	SESOESHIt11	SESOESMDt11	SESOESNDt11
SESOESMDt12<-ES(datSESOretOUTSAt12$rev.SESOretOUTSAt12, p=0.975, method="modified")	SESOESNOt12<-ES(datSESOretOUTSAt12$rev.SESOretOUTSAt12, p=0.975, method="gaussian")	SESOESHIt12	SESOESMDt12	SESOESNDt12
SESOESMDt13<-ES(datSESOretOUTSAt13$rev.SESOretOUTSAt13, p=0.975, method="modified")	SESOESNOt13<-ES(datSESOretOUTSAt13$rev.SESOretOUTSAt13, p=0.975, method="gaussian")	SESOESHIt13	SESOESMDt13	SESOESNDt13
SESOESMDt14<-ES(datSESOretOUTSAt14$rev.SESOretOUTSAt14, p=0.975, method="modified")	SESOESNOt14<-ES(datSESOretOUTSAt14$rev.SESOretOUTSAt14, p=0.975, method="gaussian")	SESOESHIt14	SESOESMDt14	SESOESNDt14
SESOESMDt15<-ES(datSESOretOUTSAt15$rev.SESOretOUTSAt15, p=0.975, method="modified")	SESOESNOt15<-ES(datSESOretOUTSAt15$rev.SESOretOUTSAt15, p=0.975, method="gaussian")	SESOESHIt15	SESOESMDt15	SESOESNDt15
SESOESMDt16<-ES(datSESOretOUTSAt16$rev.SESOretOUTSAt16, p=0.975, method="modified")	SESOESNOt16<-ES(datSESOretOUTSAt16$rev.SESOretOUTSAt16, p=0.975, method="gaussian")	SESOESHIt16	SESOESMDt16	SESOESNDt16
SESOESMDt17<-ES(datSESOretOUTSAt17$rev.SESOretOUTSAt17, p=0.975, method="modified")	SESOESNOt17<-ES(datSESOretOUTSAt17$rev.SESOretOUTSAt17, p=0.975, method="gaussian")	SESOESHIt17	SESOESMDt17	SESOESNDt17
SESOESMDt18<-ES(datSESOretOUTSAt18$rev.SESOretOUTSAt18, p=0.975, method="modified")	SESOESNOt18<-ES(datSESOretOUTSAt18$rev.SESOretOUTSAt18, p=0.975, method="gaussian")	SESOESHIt18	SESOESMDt18	SESOESNDt18
SESOESMDt19<-ES(datSESOretOUTSAt19$rev.SESOretOUTSAt19, p=0.975, method="modified")	SESOESNOt19<-ES(datSESOretOUTSAt19$rev.SESOretOUTSAt19, p=0.975, method="gaussian")	SESOESHIt19	SESOESMDt19	SESOESNDt19
SESOESMDt20<-ES(datSESOretOUTSAt20$rev.SESOretOUTSAt20, p=0.975, method="modified")	SESOESNOt20<-ES(datSESOretOUTSAt20$rev.SESOretOUTSAt20, p=0.975, method="gaussian")	SESOESHIt20	SESOESMDt20	SESOESNDt20
SESOESMDt21<-ES(datSESOretOUTSAt21$rev.SESOretOUTSAt21, p=0.975, method="modified")	SESOESNOt21<-ES(datSESOretOUTSAt21$rev.SESOretOUTSAt21, p=0.975, method="gaussian")	SESOESHIt21	SESOESMDt21	SESOESNDt21
SESOESMDt22<-ES(datSESOretOUTSAt22$rev.SESOretOUTSAt22, p=0.975, method="modified")	SESOESNOt22<-ES(datSESOretOUTSAt22$rev.SESOretOUTSAt22, p=0.975, method="gaussian")	SESOESHIt22	SESOESMDt22	SESOESNDt22
SESOESMDt23<-ES(datSESOretOUTSAt23$rev.SESOretOUTSAt23, p=0.975, method="modified")	SESOESNOt23<-ES(datSESOretOUTSAt23$rev.SESOretOUTSAt23, p=0.975, method="gaussian")	SESOESHIt23	SESOESMDt23	SESOESNDt23
SESOESMDt24<-ES(datSESOretOUTSAt24$rev.SESOretOUTSAt24, p=0.975, method="modified")	SESOESNOt24<-ES(datSESOretOUTSAt24$rev.SESOretOUTSAt24, p=0.975, method="gaussian")	SESOESHIt24	SESOESMDt24	SESOESNDt24
SESOESMDt25<-ES(datSESOretOUTSAt25$rev.SESOretOUTSAt25, p=0.975, method="modified")	SESOESNOt25<-ES(datSESOretOUTSAt25$rev.SESOretOUTSAt25, p=0.975, method="gaussian")	SESOESHIt25	SESOESMDt25	SESOESNDt25
SESOESMDt26<-ES(datSESOretOUTSAt26$rev.SESOretOUTSAt26, p=0.975, method="modified")	SESOESNOt26<-ES(datSESOretOUTSAt26$rev.SESOretOUTSAt26, p=0.975, method="gaussian")	SESOESHIt26	SESOESMDt26	SESOESNDt26
SESOESMDt27<-ES(datSESOretOUTSAt27$rev.SESOretOUTSAt27, p=0.975, method="modified")	SESOESNOt27<-ES(datSESOretOUTSAt27$rev.SESOretOUTSAt27, p=0.975, method="gaussian")	SESOESHIt27	SESOESMDt27	SESOESNDt27
SESOESMDt28<-ES(datSESOretOUTSAt28$rev.SESOretOUTSAt28, p=0.975, method="modified")	SESOESNOt28<-ES(datSESOretOUTSAt28$rev.SESOretOUTSAt28, p=0.975, method="gaussian")	SESOESHIt28	SESOESMDt28	SESOESNDt28
SESOESMDt29<-ES(datSESOretOUTSAt29$rev.SESOretOUTSAt29, p=0.975, method="modified")	SESOESNOt29<-ES(datSESOretOUTSAt29$rev.SESOretOUTSAt29, p=0.975, method="gaussian")	SESOESHIt29	SESOESMDt29	SESOESNDt29
SESOESMDt30<-ES(datSESOretOUTSAt30$rev.SESOretOUTSAt30, p=0.975, method="modified")	SESOESNOt30<-ES(datSESOretOUTSAt30$rev.SESOretOUTSAt30, p=0.975, method="gaussian")	SESOESHIt30	SESOESMDt30	SESOESNDt30
SESOESMDt31<-ES(datSESOretOUTSAt31$rev.SESOretOUTSAt31, p=0.975, method="modified")	SESOESNOt31<-ES(datSESOretOUTSAt31$rev.SESOretOUTSAt31, p=0.975, method="gaussian")	SESOESHIt31	SESOESMDt31	SESOESNDt31
SESOESMDt32<-ES(datSESOretOUTSAt32$rev.SESOretOUTSAt32, p=0.975, method="modified")	SESOESNOt32<-ES(datSESOretOUTSAt32$rev.SESOretOUTSAt32, p=0.975, method="gaussian")	SESOESHIt32	SESOESMDt32	SESOESNDt32
SESOESMDt33<-ES(datSESOretOUTSAt33$rev.SESOretOUTSAt33, p=0.975, method="modified")	SESOESNOt33<-ES(datSESOretOUTSAt33$rev.SESOretOUTSAt33, p=0.975, method="gaussian")	SESOESHIt33	SESOESMDt33	SESOESNDt33
SESOESMDt34<-ES(datSESOretOUTSAt34$rev.SESOretOUTSAt34, p=0.975, method="modified")	SESOESNOt34<-ES(datSESOretOUTSAt34$rev.SESOretOUTSAt34, p=0.975, method="gaussian")	SESOESHIt34	SESOESMDt34	SESOESNDt34
SESOESMDt35<-ES(datSESOretOUTSAt35$rev.SESOretOUTSAt35, p=0.975, method="modified")	SESOESNOt35<-ES(datSESOretOUTSAt35$rev.SESOretOUTSAt35, p=0.975, method="gaussian")	SESOESHIt35	SESOESMDt35	SESOESNDt35
SESOESMDt36<-ES(datSESOretOUTSAt36$rev.SESOretOUTSAt36, p=0.975, method="modified")	SESOESNOt36<-ES(datSESOretOUTSAt36$rev.SESOretOUTSAt36, p=0.975, method="gaussian")	SESOESHIt36	SESOESMDt36	SESOESNDt36
SESOESMDt37<-ES(datSESOretOUTSAt37$rev.SESOretOUTS

SESOESMOt55<-ES(datSESOretOUTSAt55$rev.SESOretOUTSAt55, p=0.975, method="modified")	SESOESNOt55<-ES(datSESOretOUTSAt55$rev.SESOretOUTSAt55, p=0.975, method="gaussian")	SESOESHIt55	SESOESMOt55	SESOESNOt55
SESOESMOt56<-ES(datSESOretOUTSAt56$rev.SESOretOUTSAt56, p=0.975, method="modified")	SESOESNOt56<-ES(datSESOretOUTSAt56$rev.SESOretOUTSAt56, p=0.975, method="gaussian")	SESOESHIt56	SESOESMOt56	SESOESNOt56
SESOESMOt57<-ES(datSESOretOUTSAt57$rev.SESOretOUTSAt57, p=0.975, method="modified")	SESOESNOt57<-ES(datSESOretOUTSAt57$rev.SESOretOUTSAt57, p=0.975, method="gaussian")	SESOESHIt57	SESOESMOt57	SESOESNOt57

SETEESMDt1<-ES(datSETeretOUTSAt1$rev.SETeretOUTSAt1, p=0.975, method="modified")	SETEESNDt1<-ES(datSETeretOUTSAt1$rev.SETeretOUTSAt1, p=0.975, method="gaussian")	SETEESHIt1	SETEESMDt1	SETEESNDt1
SETEESMDt2<-ES(datSETeretOUTSAt2$rev.SETeretOUTSAt2, p=0.975, method="modified")	SETEESNDt2<-ES(datSETeretOUTSAt2$rev.SETeretOUTSAt2, p=0.975, method="gaussian")	SETEESHIt2	SETEESMDt2	SETEESNDt2
SETEESMDt3<-ES(datSETeretOUTSAt3$rev.SETeretOUTSAt3, p=0.975, method="modified")	SETEESNDt3<-ES(datSETeretOUTSAt3$rev.SETeretOUTSAt3, p=0.975, method="gaussian")	SETEESHIt3	SETEESMDt3	SETEESNDt3

SETEESMOt130<-ES(datSETeretOUTSAt130$rev.SETeretOUTSAt130, p=0.975, method="modified")	SETEESNOt130<-ES(datSETeretOUTSAt130$rev.SETeretOUTSAt130, p=0.975, method="gaussian")	SETEESHIt130	SETEESMOt130	SETEESNOt130
SETEESMOt131<-ES(datSETeretOUTSAt131$rev.SETeretOUTSAt131, p=0.975, method="modified")	SETEESNOt131<-ES(datSETeretOUTSAt131$rev.SETeretOUTSAt131, p=0.975, method="gaussian")	SETEESHIt131	SETEESMOt131	SETEESNOt131
SETEESMOt132<-ES(datSETeretOUTSAt132$rev.SETeretOUTSAt132, p=0.975, method="modified")	SETEESNOt132<-ES(datSETeretOUTSAt132$rev.SETeretOUTSAt132, p=0.975, method="gaussian")	SETEESHIt132	SETEESMOt132	SETEESNOt132
SETEESMOt133<-ES(datSETeretOUTSAt133$rev.SETeretOUTSAt133, p=0.975, method="modified")	SETEESNOt133<-ES(datSETeretOUTSAt133$rev.SETeretOUTSAt133, p=0.975, method="gaussian")	SETEESHIt133	SETEESMOt133	SETEESNOt133
SETEESMOt134<-ES(datSETeretOUTSAt134$rev.SETeretOUTSAt134, p=0.975, method="modified")	SETEESNOt134<-ES(datSETeretOUTSAt134$rev.SETeretOUTSAt134, p=0.975, method="gaussian")	SETEESHIt134	SETEESMOt134	SETEESNOt134
SETEESMOt135<-ES(datSETeretOUTSAt135$rev.SETeretOUTSAt135, p=0.975, method="modified")	SETEESNOt135<-ES(datSETeretOUTSAt135$rev.SETeretOUTSAt135, p=0.975, method="gaussian")	SETEESHIt135	SETEESMOt135	SETEESNOt135
SETEESMOt136<-ES(datSETeretOUTSAt136$rev.SETeretOUTSAt136, p=0.975, method="modified")	SETEESNOt136<-ES(datSETeretOUTSAt136$rev.SETeretOUTSAt136, p=0.975, method="gaussian")	SETEESHIt136	SETEESMOt136	SETEESNOt136
SETEESMOt137<-ES(datSETeretOUTSAt137$rev.SETeretOUTSAt137, p=0.975, method="modified")	SETEESNOt137<-ES(datSETeretOUTSAt137$rev.SETeretOUTSAt137, p=0.975, method="gaussian")	SETEESHIt137	SETEESMOt137	SETEESNOt137
SETEESMOt138<-ES(datSETeretOUTSAt138$rev.SETeretOUTSAt138, p=0.975, method="modified")	SETEESNOt138<-ES(datSETeretOUTSAt138$rev.SETeretOUTSAt138, p=0.975, method="gaussian")	SETEESHIt138	SETEESMOt138	SETEESNOt138
SETEESMOt139<-ES(datSETeretOUTSAt139$rev.SETeretOUTSAt139, p=0.975, method="modified")	SETEESNOt139<-ES(datSETeretOUTSAt139$rev.SETeretOUTSAt139, p=0.975, method="gaussian")	SETEESHIt139	SETEESMOt139	SETEESNOt139
SETEESMOt140<-ES(datSETeretOUTSAt140$rev.SETeretOUTSAt140, p=0.975, method="modified")	SETEESNOt140<-ES(datSETeretOUTSAt140$rev.SETeretOUTSAt140, p=0.975, method="gaussian")	SETEESHIt140	SETEESMOt140	SETEESNOt140
SETEESMOt141<-ES(datSETeretOUTSAt141$rev.SETeretOUTSAt141, p=0.975, method="modified")	SETEESNOt141<-ES(datSETeretOUTSAt141$rev.SETeretOUTSAt141, p=0.975, method="gaussian")	SETEESHIt141	SETEESMOt141	SETEESNOt141
SETEESMOt142<-ES(datSETeretOUTSAt142$rev.SETeretOUTSAt142, p=0.975, method="modified")	SETEESNOt142<-ES(datSETeretOUTSAt142$rev.SETeretOUTSAt142, p=0.975, method="gaussian")	SETEESHIt142	SETEESMOt142	SETEESNOt142
SETEESMOt143<-ES(datSETeretOUTSAt143$rev.SETeretOUTSAt143, p=0.975, method="modified")	SETEESNOt143<-ES(datSETeretOUTSAt143$rev.SETeretOUTSAt143, p=0.975, method="gaussian")	SETEESHIt143	SETEESMOt143	SETEESNOt143
SETEESMOt144<-ES(datSETeretOUTSAt144$rev.SETeretOUTSAt144, p=0.975, method="modified")	SETEESNOt144<-ES(datSETeretOUTSAt144$rev.SETeretOUTSAt144, p=0.975, method="gaussian")	SETEESHIt144	SETEESMOt144	SETEESNOt144
SETEESMOt145<-ES(datSETeretOUTSAt145$rev.SETeretOUTSAt145, p=0.975, method="modified")	SETEESNOt145<-ES(datSETeretOUTSAt145$rev.SETeretOUTSAt145, p=0.975, method="gaussian")	SETEESHIt145	SETEESMOt145	SETEESNOt145
SETEESMOt146<-ES(datSETeretOUTSAt146$rev.SETeretOUTSAt146, p=0.975, method="modified")	SETEESNOt146<-ES(datSETeretOUTSAt146$rev.SETeretOUTSAt146, p=0.975, method="gaussian")	SETEESHIt146	SETEESMOt146	SETEESNOt146
SETEESMOt147<-ES(datSETeretOUTSAt147$rev.SETeretOUTSAt147, p=0.975, method="modified")	SETEESNOt147<-ES(datSETeretOUTSAt147$rev.SETeretOUTSAt147, p=0.975, method="gaussian")	SETEESHIt147	SETEESMOt147	SETEESNOt147
SETEESMOt148<-ES(datSETeretOUTSAt148$rev.SETeretOUTSAt148, p=0.975, method="modified")	SETEESNOt148<-ES(datSETeretOUTSAt148$rev.SETeretOUTSAt148, p=0.975, method="gaussian")	SETEESHIt148	SETEESMOt148	SETEESNOt148
SETEESMOt149<-ES(datSETeretOUTSAt149$rev.SETeretOUTSAt149, p=0.975, method="modified")	SETEESNOt149<-ES(datSETeretOUTSAt149$rev.SETeretOUTSAt149, p=0.975, method="gaussian")	SETEESHIt149	SETEESMOt149	SETEESNOt149
SETEESMOt150<-ES(datSETeretOUTSAt150$rev.SETeretOUTSAt150, p=0.975, method="modified")	SETEESNOt150<-ES(datSETeretOUTSAt150$rev.SETeretOUTSAt150, p=0.975, method="gaussian")	SETEESHIt150	SETEESMOt150	SETEESNOt150
SETEESMOt151<-ES(datSETeretOUTSAt151$rev.SETeretOUTSAt151, p=0.975, method="modified")	SETEESNOt151<-ES(datSETeretOUTSAt151$rev.SETeretOUTSAt151, p=0.975, method="gaussian")	SETEESHIt151	SETEESMOt151	SETEESNOt151
SETEESMOt152<-ES(datSETeretOUTSAt152$rev.SETeretOUTSAt152, p=0.975, method="modified")	SETEESNOt152<-ES(datSETeretOUTSAt152$rev.SETeretOUTSAt152, p=0.975, method="gaussian")	SETEESHIt152	SETEESMOt152	SETEESNOt152
SETEESMOt153<-ES(datSETeretOUTSAt153$rev.SETeretOUTSAt153, p=0.975, method="modified")	SETEESNOt153<-ES(datSETeretOUTSAt153$rev.SETeretOUTSAt153, p=0.975, method="gaussian")	SETEESHIt153	SETEESMOt153	SETEESNOt153
SETEESMOt154<-ES(datSETeretOUTSAt154$rev.SETeretOUTSAt154, p=0.975, method="modified")	SETEESNOt154<-ES(datSETeretOUTSAt154$rev.SETeretOUTSAt154, p=0.975, method="gaussian")	SETEESHIt154	SETEESMOt154	SETEESNOt154
SETEESMOt155<-ES(datSETeretOUTSAt155$rev.SETeretOUTSAt155, p=0.975, method="modified")	SETEESNOt155<-ES(datSETeretOUTSAt155$rev.SETeretOUTSAt155, p=0.975, method="gaussian")	SETEESHIt155	SETEESMOt155	SETEESNOt155
SETEESMOt156<-ES(datSETeretOUTSAt156$rev.SETeretOUTSAt156, p=0.975, method="modified")	SETEESNOt156<-ES(datSETeretOUTSAt156$rev.SETeretOUTSAt156, p=0.975, method="gaussian")	SETEESHIt156	SETEESMOt156	SETEESNOt156
SETEESMOt157<-ES(datSETeretOUTSAt157$rev.SETeretOUTSAt157, p=0.975, method="modified")	SETEESNOt157<-ES(datSETeretOUTSAt157$rev.SETeretOUTSAt157, p=0.975, method="gaussian")	SETEESHIt157	SETEESMOt157	SETEESNOt157
SETEESMOt158<-ES(datSETeretOUTSAt158$rev.SETeretOUTSAt158, p=0.975, method="modified")	SETEESNOt158<-ES(datSETeretOUTSAt158$rev.SETeretOUTSAt158, p=0.975, method="gaussian")	SETEESHIt158	SETEESMOt158	SETEESNOt158
SETEESMOt159<-ES(datSETeretOUTSAt159$rev.SETeretOUTSAt159, p=0.975, method="modified")	SETEESNOt159<-ES(datSETeretOUTSAt159$rev.SETeretOUTSAt159, p=0.975, method="gaussian")	SETEESHIt159	SETEESMOt159	SETEESNOt159
SETEESMOt160<-ES(datSETeretOUTSAt160$rev.SETeretOUTSAt160, p=0.975, method="modified")	SETEESNOt160<-ES(datSETeretOUTSAt160$rev.SETeretOUTSAt160, p=0.975, method="gaussian")	SETEESHIt160	SETEESMOt160	SETEESNOt160
SETEESMOt161<-ES(datSETeretOUTSAt161$rev.SETeretOUTSAt161, p=0.975, method="modified")	SETEESNOt161<-ES(datSETeretOUTSAt161$rev.SETeretOUTSAt161, p=0.975, method="gaussian")	SETEESHIt161	SETEESMOt161	SETEESNOt161
SETEESMOt162<-ES(datSETeretOUTSAt162$rev.SETeretOUTSAt162, p=0.975, method="modified")	SETEESNOt162<-ES(datSETeretOUTSAt162$rev.SETeretOUTSAt162, p=0.975, method="gaussian")	SETEESHIt162	SETEESMOt162	SETEESNOt162
SETEESMOt163<-ES(datSETeretOUTSAt163$rev.SETeretOUTSAt163, p=0.975, method="modified")	SETEESNOt163<-ES(datSETeretOUTSAt163$rev.SETeretOUTSAt163, p=0.975, method="gaussian")	SETEESHIt163	SETEESMOt163	SETEESNOt163
SETEESMOt164<-ES(datSETeretOUTSAt164$rev.SETeretOUTSAt164, p=0.975, method="modified")	SETEESNOt164<-ES(datSETeretOUTSAt164$rev.SETeretOUTSAt164, p=0.975, method="gaussian")	SETEESHIt164	SETEESMOt164	SETEESNOt164
SETEESMOt165<-ES(datSETeretOUTSAt165$rev.SETeretOUTSAt165, p=0.975, method="modified")	SETEESNOt165<-ES(datSETeretOUTSAt165$rev.SETeretOUTSAt165, p=0.975, method="gaussian")	SETEESHIt165	SETEESMOt165	SETEESNOt165
SETEESMOt166<-ES(datSETeretOUTSAt166$rev.SETeretOUTSAt166, p=0.975, method="modified")	SETEESNOt166<-ES(datSETeretOUTSAt166$rev.SETeretOUTSAt166, p=0.975, method="gaussian")	SETEESHIt166	SETEESMOt166	SETEESNOt166
SETEESMOt167<-ES(datSETeretOUTSAt167$rev.SETeretOUTSAt167, p=0.975, method="modified")	SETEESNOt167<-ES(datSETeretOUTSAt167$rev.SETeretOUTSAt167, p=0.975, method="gaussian")	SETEESHIt167	SETEESMOt167	SETEESNOt167
SETEESMOt168<-ES(datSETeretOUTSAt168$rev.SETeretOUTSAt168, p=0.975, method="modified")	SETEESNOt168<-ES(datSETeretOUTSAt168$rev.SETeretOUTSAt168, p=0.975, method="gaussian")	SETEESHIt168	SETEESMOt168	SETEESNOt168
SETEESMOt169<-ES(datSETeretOUTSAt169$rev.SETeretOUTSAt169, p=0.975, method="modified")	SETEESNOt169<-ES(datSETeretOUTSAt169$rev.SETeretOUTSAt169, p=0.975, method="gaussian")	SETEESHIt169	SETEESMOt169	SETEESNOt169
SETEESMOt170<-ES(datSETeretOUTSAt170$rev.SETeretOUTSAt170, p=0.975, method="modified")	SETEESNOt170<-ES(datSETeretOUTSAt170$rev.SETeretOUTSAt170, p=0.975, method="gaussian")	SETEESHIt170	SETEESMOt170	SETEESNOt170
SETEESMOt171<-ES(datSETeretOUTSAt171$rev.SETeretOUTSAt171, p=0.975, method="modified")	SETEESNOt171<-ES(datSETeretOUTSAt171$rev.SETeretOUTSAt171, p=0.975, method="gaussian")	SETEESHIt171	SETEESMOt171	SETEESNOt171
SETEESMOt172<-ES(datSETeretOUTSAt172$rev.SETeretOUTSAt172, p=0.975, method="modified")	SETEESNOt172<-ES(datSETeretOUTSAt172$rev.SETeretOUTSAt172, p=0.975, method="gaussian")	SETEESHIt172	SETEESMOt172	SETEESNOt172
SETEESMOt173<-ES(datSETeretOUTSAt173$rev.SETeretOUTSAt173, p=0.975, method="modified")	SETEESNOt173<-ES(datSETeretOUTSAt173$rev.SETeretOUTSAt173, p=0.975, method="gaussian")	SETEESHIt173	SETEESMOt173	SETEESNOt173
SETEESMOt174<-ES(datSETeretOUTSAt174$rev.SETeretOUTSAt174, p=0.975, method="modified")	SETEESNOt174<-ES(datSETeretOUTSAt174$rev.SETeretOUTSAt174, p=0.975, method="gaussian")	SETEESHIt174	SETEESMOt174	SETEESNOt174
SETEESMOt175<-ES(datSETeretOUTSAt175$rev.SETeretOUTSAt175, p=0.975, method="modified")	SETEESNOt175<-ES(datSETeretOUTSAt175$rev.SETeretOUTSAt175, p=0.975, method="gaussian")	SETEESHIt175	SETEESMOt175	SETEESNOt175
SETEESMOt176<-ES(datSETeretOUTSAt176$rev.SETeretOUTSAt176, p=0.975, method="modified")	SETEESNOt176<-ES(datSETeretOUTSAt176$rev.SETeretOUTSAt176, p=0.975, method="gaussian")	SETEESHIt176	SETEESMOt176	SETEESNOt176
SETEESMOt177<-ES(datSETeretOUTSAt177$rev.SETeretOUTSAt177, p=0.975, method="modified")	SETEESNOt177<-ES(datSETeretOUTSAt177$rev.SETeretOUTSAt177, p=0.975, method="gaussian")	SETEESHIt177	SETEESMOt177	SETEESNOt177
SETEESMOt178<-ES(datSETeretOUTSAt178$rev.SETeretOUTSAt178, p=0.975, method="modified")	SETEESNOt178<-ES(datSETeretOUTSAt178$rev.SETeretOUTSAt178, p=0.975, method="gaussian")	SETEESHIt178	SETEESMOt178	SETEESNOt178
SETEESMOt179<-ES(datSETeretOUTSAt179$rev.SETeretOUTSAt179, p=0.975, method="modified")	SETEESNOt179<-ES(datSETeretOUTSAt179$rev.SETeretOUTSAt179, p=0.975, method="gaussian")	SETEESHIt179	SETEESMOt179	SETEESNOt179
SETEESMOt180<-ES(datSETeretOUTSAt180$rev.SETeretOUTSAt180, p=0.975, method="modified")	SETEESNOt180<-ES(datSETeretOUTSAt180$rev.SETeretOUTSAt180, p=0.975, method="gaussian")	SETEESHIt180	SETEESMOt180	SETEESNOt180
SETEESMOt181<-ES(datSETeretOUTSAt181$rev.SETeretOUTSAt181, p=0.975, method="modified")	SETEESNOt181<-ES(datSETeretOUTSAt181$rev.SETeretOUTSAt181, p=0.975, method="gaussian")	SETEESHIt181	SETEESMOt181	SETEESNOt181
SEBEESMOt1<-ES(datSEBEretOUTSAt1$rev.SEBEretOUTSAt1, p=0.975, method="modified")	SEBEESNOt1<-ES(datSEBEretOUTSAt1$rev.SEBEretOUTSAt1, p=0.975, method="gaussian")	SEBEESHIt1	SEBEESMOt1	SEBEESNOt1
SEBEESMOt2<-ES(datSEBEretOUTSAt2$rev.SEBEretOUTSAt2, p=0.975, method="modified")	SEBEESNOt2<-ES(datSEBEretOUTSAt2$rev.SEBEretOUTSAt2, p=0.975, method="gaussian")	SEBEESHIt2	SEBEESMOt2	SEBEESNOt2
SEBEESMOt3<-ES(datSEBEretOUTSAt3$rev.SEBEretOUTSAt3, p=0.975, method="modified")	SEBEESNOt3<-ES(datSEBEretOUTSAt3$rev.SEBEretOUTSAt3, p=0.975, method="gaussian")	SEBEESHIt3	SEBEESMOt3	SEBEESNOt3

SEBEESMOt76<-ES(datSEBEretOUTSAt76$rev.SEBEretOUTSAt76, p=0.975, method="modified")	SEBEESNOt76<-ES(datSEBEretOUTSAt76$rev.SEBEretOUTSAt76, p=0.975, method="gaussian")	SEBEESHIt76	SEBEESMDt76	SEBEESNDt76
SEBEESMOt77<-ES(datSEBEretOUTSAt77$rev.SEBEretOUTSAt77, p=0.975, method="modified")	SEBEESNOt77<-ES(datSEBEretOUTSAt77$rev.SEBEretOUTSAt77, p=0.975, method="gaussian")	SEBEESHIt77	SEBEESMDt77	SEBEESNDt77
SEBEESMOt78<-ES(datSEBEretOUTSAt78$rev.SEBEretOUTSAt78, p=0.975, method="modified")	SEBEESNOt78<-ES(datSEBEretOUTSAt78$rev.SEBEretOUTSAt78, p=0.975, method="gaussian")	SEBEESHIt78	SEBEESMDt78	SEBEESNDt78
SEBEESMOt79<-ES(datSEBEretOUTSAt79$rev.SEBEretOUTSAt79, p=0.975, method="modified")	SEBEESNOt79<-ES(datSEBEretOUTSAt79$rev.SEBEretOUTSAt79, p=0.975, method="gaussian")	SEBEESHIt79	SEBEESMDt79	SEBEESNDt79
SEBEESMOt80<-ES(datSEBEretOUTSAt80$rev.SEBEretOUTSAt80, p=0.975, method="modified")	SEBEESNOt80<-ES(datSEBEretOUTSAt80$rev.SEBEretOUTSAt80, p=0.975, method="gaussian")	SEBEESHIt80	SEBEESMDt80	SEBEESNDt80
SEBEESMOt81<-ES(datSEBEretOUTSAt81$rev.SEBEretOUTSAt81, p=0.975, method="modified")	SEBEESNOt81<-ES(datSEBEretOUTSAt81$rev.SEBEretOUTSAt81, p=0.975, method="gaussian")	SEBEESHIt81	SEBEESMDt81	SEBEESNDt81
SEBEESMOt82<-ES(datSEBEretOUTSAt82$rev.SEBEretOUTSAt82, p=0.975, method="modified")	SEBEESNOt82<-ES(datSEBEretOUTSAt82$rev.SEBEretOUTSAt82, p=0.975, method="gaussian")	SEBEESHIt82	SEBEESMDt82	SEBEESNDt82
SEBEESMOt83<-ES(datSEBEretOUTSAt83$rev.SEBEretOUTSAt83, p=0.975, method="modified")	SEBEESNOt83<-ES(datSEBEretOUTSAt83$rev.SEBEretOUTSAt83, p=0.975, method="gaussian")	SEBEESHIt83	SEBEESMDt83	SEBEESNDt83
SEBEESMOt84<-ES(datSEBEretOUTSAt84$rev.SEBEretOUTSAt84, p=0.975, method="modified")	SEBEESNOt84<-ES(datSEBEretOUTSAt84$rev.SEBEretOUTSAt84, p=0.975, method="gaussian")	SEBEESHIt84	SEBEESMDt84	SEBEESNDt84
SEBEESMOt85<-ES(datSEBEretOUTSAt85$rev.SEBEretOUTSAt85, p=0.975, method="modified")	SEBEESNOt85<-ES(datSEBEretOUTSAt85$rev.SEBEretOUTSAt85, p=0.975, method="gaussian")	SEBEESHIt85	SEBEESMDt85	SEBEESNDt85
SEBEESMOt86<-ES(datSEBEretOUTSAt86$rev.SEBEretOUTSAt86, p=0.975, method="modified")	SEBEESNOt86<-ES(datSEBEretOUTSAt86$rev.SEBEretOUTSAt86, p=0.975, method="gaussian")	SEBEESHIt86	SEBEESMDt86	SEBEESNDt86
SEBEESMOt87<-ES(datSEBEretOUTSAt87$rev.SEBEretOUTSAt87, p=0.975, method="modified")	SEBEESNOt87<-ES(datSEBEretOUTSAt87$rev.SEBEretOUTSAt87, p=0.975, method="gaussian")	SEBEESHIt87	SEBEESMDt87	SEBEESNDt87
SEBEESMOt88<-ES(datSEBEretOUTSAt88$rev.SEBEretOUTSAt88, p=0.975, method="modified")	SEBEESNOt88<-ES(datSEBEretOUTSAt88$rev.SEBEretOUTSAt88, p=0.975, method="gaussian")	SEBEESHIt88	SEBEESMDt88	SEBEESNDt88
SEBEESMOt89<-ES(datSEBEretOUTSAt89$rev.SEBEretOUTSAt89, p=0.975, method="modified")	SEBEESNOt89<-ES(datSEBEretOUTSAt89$rev.SEBEretOUTSAt89, p=0.975, method="gaussian")	SEBEESHIt89	SEBEESMDt89	SEBEESNDt89
SEBEESMOt90<-ES(datSEBEretOUTSAt90$rev.SEBEretOUTSAt90, p=0.975, method="modified")	SEBEESNOt90<-ES(datSEBEretOUTSAt90$rev.SEBEretOUTSAt90, p=0.975, method="gaussian")	SEBEESHIt90	SEBEESMDt90	SEBEESNDt90
SEBEESMOt91<-ES(datSEBEretOUTSAt91$rev.SEBEretOUTSAt91, p=0.975, method="modified")	SEBEESNOt91<-ES(datSEBEretOUTSAt91$rev.SEBEretOUTSAt91, p=0.975, method="gaussian")	SEBEESHIt91	SEBEESMDt91	SEBEESNDt91
SEBEESMOt92<-ES(datSEBEretOUTSAt92$rev.SEBEretOUTSAt92, p=0.975, method="modified")	SEBEESNOt92<-ES(datSEBEretOUTSAt92$rev.SEBEretOUTSAt92, p=0.975, method="gaussian")	SEBEESHIt92	SEBEESMDt92	SEBEESNDt92
SEBEESMOt93<-ES(datSEBEretOUTSAt93$rev.SEBEretOUTSAt93, p=0.975, method="modified")	SEBEESNOt93<-ES(datSEBEretOUTSAt93$rev.SEBEretOUTSAt93, p=0.975, method="gaussian")	SEBEESHIt93	SEBEESMDt93	SEBEESNDt93
SEBEESMOt94<-ES(datSEBEretOUTSAt94$rev.SEBEretOUTSAt94, p=0.975, method="modified")	SEBEESNOt94<-ES(datSEBEretOUTSAt94$rev.SEBEretOUTSAt94, p=0.975, method="gaussian")	SEBEESHIt94	SEBEESMDt94	SEBEESNDt94
SEBEESMOt95<-ES(datSEBEretOUTSAt95$rev.SEBEretOUTSAt95, p=0.975, method="modified")	SEBEESNOt95<-ES(datSEBEretOUTSAt95$rev.SEBEretOUTSAt95, p=0.975, method="gaussian")	SEBEESHIt95	SEBEESMDt95	SEBEESNDt95
SEBEESMOt96<-ES(datSEBEretOUTSAt96$rev.SEBEretOUTSAt96, p=0.975, method="modified")	SEBEESNOt96<-ES(datSEBEretOUTSAt96$rev.SEBEretOUTSAt96, p=0.975, method="gaussian")	SEBEESHIt96	SEBEESMDt96	SEBEESNDt96
SEBEESMOt97<-ES(datSEBEretOUTSAt97$rev.SEBEretOUTSAt97, p=0.975, method="modified")	SEBEESNOt97<-ES(datSEBEretOUTSAt97$rev.SEBEretOUTSAt97, p=0.975, method="gaussian")	SEBEESHIt97	SEBEESMDt97	SEBEESNDt97
SEBEESMOt98<-ES(datSEBEretOUTSAt98$rev.SEBEretOUTSAt98, p=0.975, method="modified")	SEBEESNOt98<-ES(datSEBEretOUTSAt98$rev.SEBEretOUTSAt98, p=0.975, method="gaussian")	SEBEESHIt98	SEBEESMDt98	SEBEESNDt98
SEBEESMOt99<-ES(datSEBEretOUTSAt99$rev.SEBEretOUTSAt99, p=0.975, method="modified")	SEBEESNOt99<-ES(datSEBEretOUTSAt99$rev.SEBEretOUTSAt99, p=0.975, method="gaussian")	SEBEESHIt99	SEBEESMDt99	SEBEESNDt99
SEBEESMOt100<-ES(datSEBEretOUTSAt100$rev.SEBEretOUTSAt100, p=0.975, method="modified")	SEBEESNOt100<-ES(datSEBEretOUTSAt100$rev.SEBEretOUTSAt100, p=0.975, method="gaussian")	SEBEESHIt100	SEBEESMDt100	SEBEESNDt100
SEBEESMOt101<-ES(datSEBEretOUTSAt101$rev.SEBEretOUTSAt101, p=0.975, method="modified")	SEBEESNOt101<-ES(datSEBEretOUTSAt101$rev.SEBEretOUTSAt101, p=0.975, method="gaussian")	SEBEESHIt101	SEBEESMDt101	SEBEESNDt101
SEBEESMOt102<-ES(datSEBEretOUTSAt102$rev.SEBEretOUTSAt102, p=0.975, method="modified")	SEBEESNOt102<-ES(datSEBEretOUTSAt102$rev.SEBEretOUTSAt102, p=0.975, method="gaussian")	SEBEESHIt102	SEBEESMDt102	SEBEESNDt102
SEBEESMOt103<-ES(datSEBEretOUTSAt103$rev.SEBEretOUTSAt103, p=0.975, method="modified")	SEBEESNOt103<-ES(datSEBEretOUTSAt103$rev.SEBEretOUTSAt103, p=0.975, method="gaussian")	SEBEESHIt103	SEBEESMDt103	SEBEESNDt103
SEBEESMOt104<-ES(datSEBEretOUTSAt104$rev.SEBEretOUTSAt104, p=0.975, method="modified")	SEBEESNOt104<-ES(datSEBEretOUTSAt104$rev.SEBEretOUTSAt104, p=0.975, method="gaussian")	SEBEESHIt104	SEBEESMDt104	SEBEESNDt104
SEBEESMOt105<-ES(datSEBEretOUTSAt105$rev.SEBEretOUTSAt105, p=0.975, method="modified")	SEBEESNOt105<-ES(datSEBEretOUTSAt105$rev.SEBEretOUTSAt105, p=0.975, method="gaussian")	SEBEESHIt105	SEBEESMDt105	SEBEESNDt105
SEBEESMOt106<-ES(datSEBEretOUTSAt106$rev.SEBEretOUTSAt106, p=0.975, method="modified")	SEBEESNOt106<-ES(datSEBEretOUTSAt106$rev.SEBEretOUTSAt106, p=0.975, method="gaussian")	SEBEESHIt106	SEBEESMDt106	SEBEESNDt106
SEBEESMOt107<-ES(datSEBEretOUTSAt107$rev.SEBEretOUTSAt107, p=0.975, method="modified")	SEBEESNOt107<-ES(datSEBEretOUTSAt107$rev.SEBEretOUTSAt107, p=0.975, method="gaussian")	SEBEESHIt107	SEBEESMDt107	SEBEESNDt107
SEBEESMOt108<-ES(datSEBEretOUTSAt108$rev.SEBEretOUTSAt108, p=0.975, method="modified")	SEBEESNOt108<-ES(datSEBEretOUTSAt108$rev.SEBEretOUTSAt108, p=0.975, method="gaussian")	SEBEESHIt108	SEBEESMDt108	SEBEESNDt108
SEBEESMOt109<-ES(datSEBEretOUTSAt109$rev.SEBEretOUTSAt109, p=0.975, method="modified")	SEBEESNOt109<-ES(datSEBEretOUTSAt109$rev.SEBEretOUTSAt109, p=0.975, method="gaussian")	SEBEESHIt109	SEBEESMDt109	SEBEESNDt109
SEBEESMOt110<-ES(datSEBEretOUTSAt110$rev.SEBEretOUTSAt110, p=0.975, method="modified")	SEBEESNOt110<-ES(datSEBEretOUTSAt110$rev.SEBEretOUTSAt110, p=0.975, method="gaussian")	SEBEESHIt110	SEBEESMDt110	SEBEESNDt110
SEBEESMOt111<-ES(datSEBEretOUTSAt111$rev.SEBEretOUTSAt111, p=0.975, method="modified")	SEBEESNOt111<-ES(datSEBEretOUTSAt111$rev.SEBEretOUTSAt111, p=0.975, method="gaussian")	SEBEESHIt111	SEBEESMDt111	SEBEESNDt111
SEBEESMOt112<-ES(datSEBEretOUTSAt112$rev.SEBEretOUTSAt112, p=0.975, method="modified")	SEBEESNOt112<-ES(datSEBEretOUTSAt112$rev.SEBEretOUTSAt112, p=0.975, method="gaussian")	SEBEESHIt112	SEBEESMDt112	SEBEESNDt112
SEBEESMOt113<-ES(datSEBEretOUTSAt113$rev.SEBEretOUTSAt113, p=0.975, method="modified")	SEBEESNOt113<-ES(datSEBEretOUTSAt113$rev.SEBEretOUTSAt113, p=0.975, method="gaussian")	SEBEESHIt113	SEBEESMDt113	SEBEESNDt113
SEBEESMOt114<-ES(datSEBEretOUTSAt114$rev.SEBEretOUTSAt114, p=0.975, method="modified")	SEBEESNOt114<-ES(datSEBEretOUTSAt114$rev.SEBEretOUTSAt114, p=0.975, method="gaussian")	SEBEESHIt114	SEBEESMDt114	SEBEESNDt114
SEBEESMOt115<-ES(datSEBEretOUTSAt115$rev.SEBEretOUTSAt115, p=0.975, method="modified")	SEBEESNOt115<-ES(datSEBEretOUTSAt115$rev.SEBEretOUTSAt115, p=0.975, method="gaussian")	SEBEESHIt115	SEBEESMDt115	SEBEESNDt115
SEBEESMOt116<-ES(datSEBEretOUTSAt116$rev.SEBEretOUTSAt116, p=0.975, method="modified")	SEBEESNOt116<-ES(datSEBEretOUTSAt116$rev.SEBEretOUTSAt116, p=0.975, method="gaussian")	SEBEESHIt116	SEBEESMDt116	SEBEESNDt116
SEBEESMOt117<-ES(datSEBEretOUTSAt117$rev.SEBEretOUTSAt117, p=0.975, method="modified")	SEBEESNOt117<-ES(datSEBEretOUTSAt117$rev.SEBEretOUTSAt117, p=0.975, method="gaussian")	SEBEESHIt117	SEBEESMDt117	SEBEESNDt117
SEBEESMOt118<-ES(datSEBEretOUTSAt118$rev.SEBEretOUTSAt118, p=0.975, method="modified")	SEBEESNOt118<-ES(datSEBEretOUTSAt118$rev.SEBEretOUTSAt118, p=0.975, method="gaussian")	SEBEESHIt118	SEBEESMDt118	SEBEESNDt118
SEBEESMOt119<-ES(datSEBEretOUTSAt119$rev.SEBEretOUTSAt119, p=0.975, method="modified")	SEBEESNOt119<-ES(datSEBEretOUTSAt119$rev.SEBEretOUTSAt119, p=0.975, method="gaussian")	SEBEESHIt119	SEBEESMDt119	SEBEESNDt119
SEBEESMOt120<-ES(datSEBEretOUTSAt120$rev.SEBEretOUTSAt120, p=0.975, method="modified")	SEBEESNOt120<-ES(datSEBEretOUTSAt120$rev.SEBEretOUTSAt120, p=0.975, method="gaussian")	SEBEESHIt120	SEBEESMDt120	SEBEESNDt120
SEBEESMOt121<-ES(datSEBEretOUTSAt121$rev.SEBEretOUTSAt121, p=0.975, method="modified")	SEBEESNOt121<-ES(datSEBEretOUTSAt121$rev.SEBEretOUTSAt121, p=0.975, method="gaussian")	SEBEESHIt121	SEBEESMDt121	SEBEESNDt121
SEBEESMOt122<-ES(datSEBEretOUTSAt122$rev.SEBEretOUTSAt122, p=0.975, method="modified")	SEBEESNOt122<-ES(datSEBEretOUTSAt122$rev.SEBEretOUTSAt122, p=0.975, method="gaussian")	SEBEESHIt122	SEBEESMDt122	SEBEESNDt122
SEBEESMOt123<-ES(datSEBEretOUTSAt123$rev.SEBEretOUTSAt123, p=0.975, method="modified")	SEBEESNOt123<-ES(datSEBEretOUTSAt123$rev.SEBEretOUTSAt123, p=0.975, method="gaussian")	SEBEESHIt123	SEBEESMDt123	SEBEESNDt123
SEBEESMOt124<-ES(datSEBEretOUTSAt124$rev.SEBEretOUTSAt124, p=0.975, method="modified")	SEBEESNOt124<-ES(datSEBEretOUTSAt124$rev.SEBEretOUTSAt124, p=0.975, method="gaussian")	SEBEESHIt124	SEBEESMDt124	SEBEESNDt124
SEBEESMOt125<-ES(datSEBEretOUTSAt125$rev.SEBEretOUTSAt125, p=0.975, method="modified")	SEBEESNOt125<-ES(datSEBEretOUTSAt125$rev.SEBEretOUTSAt125, p=0.975, method="gaussian")	SEBEESHIt125	SEBEESMDt125	SEBEESNDt125
SEBEESMOt126<-ES(datSEBEretOUTSAt126$rev.SEBEretOUTSAt126, p=0.975, method="modified")	SEBEESNOt126<-ES(datSEBEretOUTSAt126$rev.SEBEretOUTSAt126, p=0.975, method="gaussian")	SEBEESHIt126	SEBEESMDt126	SEBEESNDt126
SEBEESMOt127<-ES(datSEBEretOUTSAt127$rev.SEBEretOUTSAt127, p=0.975, method="modified")	SEBEESNOt127<-ES(datSEBEretOUTSAt127$rev.SEBEretOUTSAt127, p=0.975, method="gaussian")	SEBEESHIt127	SEBEESMDt127	SEBEESNDt127
SEBEESMOt128<-ES(datSEBEretOUTSAt128$rev.SEBEretOUTSAt128, p=0.975, method="modified")	SEBEESNOt128<-ES(datSEBEretOUTSAt128$rev.SEBEretOUTSAt128, p=0.975, method="gaussian")	SEBEESHIt128	SEBEESMDt128	SEBEESNDt128
SEBEESMOt129<-ES(datSEBEretOUTSAt129$rev.SEBEretOUTSAt129, p=0.975, method="modified")	SEBEESNOt129<-ES(datSEBEretOUTSAt129$rev.SEBEretOUTSAt129, p=0.975, method="gaussian")	SEBEESHIt129	SEBEESMDt129	SEBEESNDt129
SEBEESMOt130<-ES(datSEBEretOUTSAt130$rev.SEBEretOUTSAt130, p=0.975, method="modified")	SEBEESNOt130<-ES(datSEBEretOUTSAt130$rev.SEBEretOUTSAt130, p=0.975, method="gaussian")	SEBEESHIt130	SEBEESMDt130	SEBEESNDt130
SEBEESMOt131<-ES(datSEBEretOUTSAt131$rev.SEBEretOUTSAt131, p=0.975, method="modified")	SEBEESNOt131<-ES(datSEBEretOUTSAt131$rev.SEBEretOUTSAt131, p=0.975, method="gaussian")	SEBEESHIt131	SEBEESMDt131	SEBEESNDt131
SEBEESMOt132<-ES(datSEBEretOUTSAt132$rev.SEBEretOUTSAt132, p=0.975, method="modified")	SEBEESNOt132<-ES(datSEBEretOUTSAt132$rev.SEBEretOUTSAt132, p=0.975, method="gaussian")	SEBEESHIt132	SEBEESMDt132	SEBEESNDt132
SEBEESMOt133<-ES(datSEBEretOUTSAt133$rev.SEBEretOUTSAt133, p=0.975, method="modified")	SEBEESNOt133<-ES(datSEBEretOUTSAt133$rev.SEBEretOUTSAt133, p=0.975, method="gaussian")	SEBEESHIt133	SEBEESMDt133	SEBEESNDt133
SEBEESMOt134<-ES(datSEBEretOUTSAt134$rev.SEBEretOUTSAt134, p=0.975, method="modified")	SEBEESNOt134<-ES(datSEBEretOUTSAt134$rev.SEBEretOUTSAt134, p=0.975, method="gaussian")	SEBEESHIt134	SEBEESMDt134	SEBEESNDt134
SEBEESMOt135<-ES(datSEBEretOUTSAt135$rev.SEBEretOUTSAt135, p=0.975, method="modified")	SEBEESNOt135<-ES(datSEBEretOUTSAt135$rev.SEBEretOUTSAt135, p=0.975, method="gaussian")	SEBEESHIt135	SEBEESMDt135	SEBEESNDt135
SEBEESMOt136<-ES(datSEBEretOUTSAt136$rev.SEBEretOUTSAt136, p=0.975, method="modified")	SEBEESNOt136<-ES(datSEBEretOUTSAt136$rev.SEBEretOUTSAt136, p=0.975, method="gaussian")	SEBEESHIt136	SEBEESMDt136	SEBEESNDt136
SEBEESMOt137<-ES(datSEBEretOUTSAt137$rev.SEBEretOUTSAt137, p=0.975, method="modified")	SEBEESNOt137<-ES(datSEBEretOUTSAt137$rev.SEBEretOUTSAt137, p=0.975, method="gaussian")	SEBEESHIt137	SEBEESMDt137	SEBEESNDt137
SEBEESMOt138<-ES(datSEBEretOUTSAt138$rev.SEBEretOUTSAt138, p=0.975, method="modified")	SEBEESNOt138<-ES(datSEBEretOUTSAt138$rev.SEBEretOUTSAt138, p=0.975, method="gaussian")	SEBEESHIt138	SEBEESMDt138	SEBEESNDt138
SEBEESMOt139<-ES(datSEBEretOUTSAt139$rev.SEBEretOUTSAt139, p=0.975, method="modified")	SEBEESNOt139<-ES(datSEBEretOUTSAt139$rev.SEBEretOUTSAt139, p=0.975, method="gaussian")	SEBEESHIt139	SEBEESMDt139	SEBEESNDt139
SEBEESMOt140<-ES(datSEBEretOUTSAt140$rev.SEBEretOUTSAt140, p=0.975, method="modified")	SEBEESNOt140<-ES(datSEBEretOUTSAt140$rev.SEBEretOUTSAt140, p=0.975, method="gaussian")	SEBEESHIt140	SEBEESMDt140	SEBEESNDt140
SEBEESMOt141<-ES(datSEBEretOUTSAt141$rev.SEBEretOUTSAt141, p=0.975, method="modified")	SEBEESNOt141<-ES(datSEBEretOUTSAt141$rev.SEBEretOUTSAt141, p=0.975, method="gaussian")	SEBEESHIt141	SEBEESMDt141	SEBEESNDt141
SEBEESMOt142<-ES(datSEBEretOUTSAt142$rev.SEBEretOUTSAt142, p=0.975, method="modified")	SEBEESNOt142<-ES(datSEBEretOUTSAt142$rev.SEBEretOUTSAt142, p=0.975, method="gaussian")	SEBEESHIt142	SEBEESMDt142	SEBEESNDt142
SEBEESMOt143<-ES(datSEBEretOUTSAt143$rev.SEBEretOUTSAt143, p=0.975, method="modified")	SEBEESNOt143<-ES(datSEBEretOUTSAt143$rev.SEBEretOUTSAt143, p=0.975, method="gaussian")	SEBEESHIt143	SEBEESMDt143	SEBEESNDt143
SEBEESMOt144<-ES(datSEBEretOUTSAt144$rev.SEBEretOUTSAt144, p=0.975, method="modified")	SEBEESNOt144<-ES(datSEBEretOUTSAt144$rev.SEBEretOUTSAt144, p=0.975, method="gaussian")	SEBEESHIt144	SEBEESMDt144	SEBEESNDt144
SEBEESMOt145<-ES(datSEBEretOUTSAt145$rev.SEBEretOUTSAt145, p=0.975, method="modified")	SEBEESNOt145<-ES(datSEBEretOUTSAt145$rev.SEBEretOUTSAt145, p=0.975, method="gaussian")	SEBEESHIt145	SEBEESMDt145	SEBEESNDt145
SEBEESMOt146<-ES(datSEBEretOUTSAt146$rev.SEBEretOUTSAt146, p=0.975, method="modified")	SEBEESNOt146<-ES(datSEBEretOUTSAt146$rev.SEBEretOUTSAt146, p=0.975, method="gaussian")	SEBEESHIt146	SEBEESMDt146	SEBEESNDt146
SEBEESMOt147<-ES(datSEBEretOUTSAt147$rev.SEBEretOUTSAt147, p=0.975, method="modified")	SEBEESNOt147<-ES(datSEBEretOUTSAt147$rev.SEBEretOUTSAt147, p=0.975, method="gaussian")	SEBEESHIt147	SEBEESMDt147	SEBEESNDt147
SEBEESMOt148<-ES(datSEBEretOUTSAt148$rev.SEBEretOUTSAt148, p=0.975, method="modified")	SEBEESNOt148<-ES(datSEBEretOUTSAt148$rev.SEBEretOUTSAt148, p=0.975, method="gaussian")	SEBEESHIt148	SEBEESMDt148	SEBEESNDt148
SEBEESMOt149<-ES(datSEBEretOUTSAt149$rev.SEBEretOUTSAt149, p=0.975, method="modified")	SEBEESNOt149<-ES(datSEBEretOUTSAt149$rev.SEBEretOUTSAt149, p=0.975, method="gaussian")	SEBEESHIt149	SEBEESMDt149	SEBEESNDt149
SEBEESMOt150<-ES(datSEBEretOUTSAt150$rev.SEBEretOUTSAt150, p=0.975, method="modified")	SEBEESNOt150<-ES(datSEBEretOUTSAt150$rev.SEBEretOUTSAt150, p=0.975, method="gaussian")	SEBEESHIt150	SEBEESMDt150	SEBEESNDt150
SEBEESMOt151<-ES(datSEBEretOUTSAt151$rev.SEBEretOUTSAt151, p=0.975, method="modified")	SEBEESNOt151<-ES(datSEBEretOUTSAt151$rev.SEBEretOUTSAt151, p=0.975, method="gaussian")	SEBEESHIt151	SEBEESMDt151	SEBEESNDt151
SEBEESMOt152<-ES(datSEBEretOUTSAt152$rev.SEBEretOUTSAt152, p=0.975, method="modified")	SEBEESNOt152<-ES(datSEBEretOUTSAt152$rev.SEBEretOUTSAt152, p=0.975, method="gaussian")	SEBEESHIt152	SEBEESMDt152	SEBEESNDt152
SEBEESMOt153<-ES(datSEBEretOUTSAt153$rev.SEBEretOUTSAt153, p=0.975, method="modified")	SEBEESNOt153<-ES(datSEBEretOUTSAt153$rev.SEBEretOUTSAt153, p=0.975, method="gaussian")	SEBEESHIt153	SEBEESMDt153	SEBEESNDt153
SEBEESMOt154<-ES(datSEBEretOUTSAt154$rev.SEBEretOUTSAt154, p=0.975, method="modified")	SEBEESNOt154<-ES(datSEBEretOUTSAt154$rev.SEBEretOUTSAt154, p=0.975, method="gaussian")	SEBEESHIt154	SEBEESMDt154	SEBEESNDt154
SEBEESMOt155<-ES(datSEBEretOUTSAt155$rev.SEBEretOUTSAt155, p=0.975, method="modified")	SEBEESNOt155<-ES(datSEBEretOUTSAt155$rev.SEBEretOUTSAt155, p=0.975, method="gaussian")	SEBEESHIt155	SEBEESMDt155	SEBEESNDt155
SEBEESMOt156<-ES(datSEBEretOUTSAt156$rev.SEBEretOUTSAt156, p=0.975, method="modified")	SEBEESNOt156<-ES(datSEBEretOUTSAt156$rev.SEBEretOUTSAt156, p=0.975, method="gaussian")	SEBEESHIt156	SEBEESMDt156	SEBEESNDt156
SEBEESMOt157<-ES(datSEBEretOUTSAt157$rev.SEBEretOUTSAt157, p=0.975, method="modified")	SEBEESNOt157<-ES(datSEBEretOUTSAt157$rev.SEBEretOUTSAt157, p=0.975, method="gaussian")	SEBEESHIt157	SEBEESMDt157	SEBEESNDt157
SEBEESMOt158<-ES(datSEBEretOUTSAt158$rev.SEBEretOUTSAt158, p=0.975, method="modified")	SEBEESNOt158<-ES(datSEBEretOUTSAt158$rev.SEBEretOUTSAt158, p=0.975, method="gaussian")	SEBEESHIt158	SEBEESMDt158	SEBEESNDt158
SEBEESMOt159<-ES(datSEBEretOUTSAt159$rev.SEBEretOUTSAt159, p=0.975, method="modified")	SEBEESNOt159<-ES(datSEBEretOUTSAt159$rev.SEBEretOUTSAt159, p=0.975, method="gaussian")	SEBEESHIt159	SEBEESMDt159	SEBEESNDt159
SEBEESMOt160<-ES(datSEBEretOUTSAt160$rev.SEBEretOUTSAt160, p=0.975, method="modified")	SEBEESNOt160<-ES(datSEBEretOUTSAt160$rev.SEBEretOUTSAt160, p=0.975, method="gaussian")	SEBEESHIt160	SEBEESMDt160	SEBEESNDt160
SEBEESMOt161<-ES(datSEBEretOUTSAt161$rev.SEBEretOUTSAt161, p=0.975, method="modified")	SEBEESNOt161<-ES(datSEBEretOUTSAt161$rev.SEBEretOUTSAt161, p=0.975, method="gaussian")	SEBEESHIt161	SEBEESMDt161	SEBEESNDt161
SEBEESMOt162<-ES(datSEBEretOUTSAt162$rev.SEBEretOUTSAt162, p=0.975, method="modified")	SEBEESNOt162<-ES(datSEBEretOUTSAt162$rev.SEBEretOUTSAt162, p=0.975, method="gaussian")	SEBEESHIt162	SEBEESMDt162	SEBEESNDt162
SEBEESMOt163<-ES(datSEBEretOUTSAt163$rev.SEBEretOUTSAt163, p=0.975, method="modified")	SEBEESNOt163<-ES(datSEBEretOUTSAt163$rev.SEBEretOUTSAt163, p=0.975, method="gaussian")	SEBEESHIt163	SEBEESMDt163	SEBEESNDt163
SEBEESMOt164<-ES(datSEBEretOUTSAt164$rev.SEBEretOUTSAt164, p=0.975, method="modified")	SEBEESNOt164<-ES(datSEBEretOUTSAt164$rev.SEBEretOUTSAt164, p=0.975, method="gaussian")	SEBEESHIt164	SEBEESMDt164	SEBEESNDt164
SEBEESMOt165<-ES(datSEBEretOUTSAt165$rev.SEBEretOUTSAt165, p=0.975, method="modified")	SEBEESNOt165<-ES(datSEBEretOUTSAt165$rev.SEBEretOUTSAt165, p=0.975, method="gaussian")	SEBEESHIt165	SEBEESMDt165	SEBEESNDt165
SEBEESMOt166<-ES(datSEBEretOUTSAt166$rev.SEBEretOUTSAt166, p=0.975, method="modified")	SEBEESNOt166<-ES(datSEBEretOUTSAt166$rev.SEBEretOUTSAt166, p=0.975, method="gaussian")	SEBEESHIt166	SEBEESMDt166	SEBEESNDt166
SEBEESMOt167<-ES(datSEBEretOUTSAt167$rev.SEBEretOUTSAt167, p=0.975, method="modified")	SEBEESNOt167<-ES(datSEBEretOUTSAt167$rev.SEBEretOUTSAt167, p=0.975, method="gaussian")	SEBEESHIt167	SEBEESMDt167	SEBEESNDt167
SEBEESMOt168<-ES(datSEBEretOUTSAt168$rev.SEBEretOUTSAt168, p=0.975, method="modified")	SEBEESNOt168<-ES(datSEBEretOUTSAt168$rev.SEBEretOUTSAt168, p=0.975, method="gaussian")	SEBEESHIt168	SEBEESMDt168	SEBEESNDt168
SEBEESMOt169<-ES(datSEBEretOUTSAt169$rev.SEBEretOUTSAt169, p=0.975, method="modified")	SEBEESNOt169<-ES(datSEBEretOUTSAt169$rev.SEBEretOUTSAt169, p=0.975, method="gaussian")	SEBEESHIt169	SEBEESMDt169	SEBEESNDt169
SEBEESMOt170<-ES(datSEBEretOUTSAt170$rev.SEBEretOUTSAt170, p=0.975, method="modified")	SEBEESNOt170<-ES(datSEBEretOUTSAt170$rev.SEBEretOUTSAt170, p=0.975, method="gaussian")	SEBEESHIt170	SEBEESMDt170	SEBEESNDt170
SEBEESMOt171<-ES(datSEBEretOUTSAt171$rev.SEBEretOUTSAt171, p=0.975, method="modified")	SEBEESNOt171<-ES(datSEBEretOUTSAt171$rev.SEBEretOUTSAt171, p=0.975, method="gaussian")	SEBEESHIt171	SEBEESMDt171	SEBEESNDt171
SEBEESMOt172<-ES(datSEBEretOUTSAt172$rev.SEBEretOUTSAt172, p=0.975, method="modified")	SEBEESNOt172<-ES(datSEBEretOUTSAt172$rev.SEBEretOUTSAt172, p=0.975, method="gaussian")	SEBEESHIt172	SEBEESMDt172	SEBEESNDt172
SEBEESMOt173<-ES(datSEBEretOUTSAt173$rev.SEBEretOUTSAt173, p=0.975, method="modified")	SEBEESNOt173<-ES(datSEBEretOUTSAt173$rev.SEBEretOUTSAt173, p=0.975, method="gaussian")	SEBEESHIt173	SEBEESMDt173	SEBEESNDt173
SEBEESMOt174<-ES(datSEBEretOUTSAt174$rev.SEBEretOUTSAt174, p=0.975, method="modified")	SEBEESNOt174<-ES(datSEBEretOUTSAt174$rev.SEBEretOUTSAt174, p=0.975, method="gaussian")	SEBEESHIt174	SEBEESMDt174	SEBEESNDt174
SEBEESMOt175<-ES(datSEBEretOUTSAt175$rev.SEBEretOUTSAt175, p=0.975, method="modified")	SEBEESNOt175<-ES(datSEBEretOUTSAt175$rev.SEBEretOUTSAt175, p=0.975, method="gaussian")	SEBEESHIt175	SEBEESMDt175	SEBEESNDt175
SEBEESMOt176<-ES(datSEBEretOUTSAt176$rev.SEBEretOUTSAt176, p=0.975, method="modified")	SEBEESNOt176<-ES(datSEBEretOUTSAt176$rev.SEBEretOUTSAt176, p=0.975, method="gaussian")	SEBEESHIt176	SEBEESMDt176	SEBEESNDt176
SEBEESMOt177<-ES(datSEBEretOUTSAt177$rev.SEBEretOUTSAt177, p=0.975, method="modified")	SEBEESNOt177<-ES(datSEBEretOUTSAt177$rev.SEBEretOUTSAt177, p=0.975, method="gaussian")	SEBEESHIt177	SEBEESMDt177	SEBEESNDt177
SEBEESMOt178<-ES(datSEBEretOUTSAt178$rev.SEBEretOUTSAt178, p=0.975, method="modified")	SEBEESNOt178<-ES(datSEBEretOUTSAt178$rev.SEBEretOUTSAt178, p=0.975, method="gaussian")	SEBEESHIt178	SEBEESMDt178	SEBEESNDt178
SEBEESMOt179<-ES(datSEBEretOUTSAt179$rev.SEBEretOUTSAt179, p=0.975, method="modified")	SEBEESNOt179<-ES(datSEBEretOUTSAt179$rev.SEBEretOUTSAt179, p=0.975, method="gaussian")	SEBEESHIt179	SEBEESMDt179	SEBEESNDt179
SEBEESMOt180<-ES(datSEBEretOUTSAt180$rev.SEBEretOUTSAt180, p=0.975, method="modified")	SEBEESNOt180<-ES(datSEBEretOUTSAt180$rev.SEBEretOUTSAt180, p=0.975, method="gaussian")	SEBEESHIt180	SEBEESMDt180	SEBEESNDt180
SEBEESMOt181<-ES(datSEBEretOUTSAt181$rev.SEBEretOUTSAt181, p=0.975, method="modified")	SEBEESNOt181<-ES(datSEBEretOUTSAt181$rev.SEBEretOUTSAt181, p=0.975, method="gaussian")	SEBEESHIt181	SEBEESMDt181	SEBEESNDt181
SEETESMOt1<-ES(datSEETretOUTSAt1$rev.SEETretOUTSAt1, p=0.975, method="modified")	SEETESNOt1<-ES(datSEETretOUTSAt1$rev.SEETretOUTSAt1, p=0.975, method="gaussian")	SEETESHIt1	SEETESMDt1	SEETESNDt1
SEETESMOt2<-ES(datSEETretOUTSAt2$r

SEETESMDt22<-ES(datSEETretOUTSAt22$rev.SEETretOUTSAt22, p=0.975, method="modified")	SEETESNDt22<-ES(datSEETretOUTSAt22$rev.SEETretOUTSAt22, p=0.975, method="gaussian")	SEETESHIt22	SEETESMDt22	SEETESNDt22
SEETESMDt23<-ES(datSEETretOUTSAt23$rev.SEETretOUTSAt23, p=0.975, method="modified")	SEETESNDt23<-ES(datSEETretOUTSAt23$rev.SEETretOUTSAt23, p=0.975, method="gaussian")	SEETESHIt23	SEETESMDt23	SEETESNDt23
SEETESMDt24<-ES(datSEETretOUTSAt24$rev.SEETretOUTSAt24, p=0.975, method="modified")	SEETESNDt24<-ES(datSEETretOUTSAt24$rev.SEETretOUTSAt24, p=0.975, method="gaussian")	SEETESHIt24	SEETESMDt24	SEETESNDt24

SEETESMOt151<-ES(datSEETretOUTSAt151$rev.SEETretOUTSAt151, p=0.975, method="modified")	SEETESNOt151<-ES(datSEETretOUTSAt151$rev.SEETretOUTSAt151, p=0.975, method="gaussian")	SEETESHIt151	SEETESMDt151	SEETESNDt151
SEETESMOt152<-ES(datSEETretOUTSAt152$rev.SEETretOUTSAt152, p=0.975, method="modified")	SEETESNOt152<-ES(datSEETretOUTSAt152$rev.SEETretOUTSAt152, p=0.975, method="gaussian")	SEETESHIt152	SEETESMDt152	SEETESNDt152
SEETESMOt153<-ES(datSEETretOUTSAt153$rev.SEETretOUTSAt153, p=0.975, method="modified")	SEETESNOt153<-ES(datSEETretOUTSAt153$rev.SEETretOUTSAt153, p=0.975, method="gaussian")	SEETESHIt153	SEETESMDt153	SEETESNDt153
SEETESMOt154<-ES(datSEETretOUTSAt154$rev.SEETretOUTSAt154, p=0.975, method="modified")	SEETESNOt154<-ES(datSEETretOUTSAt154$rev.SEETretOUTSAt154, p=0.975, method="gaussian")	SEETESHIt154	SEETESMDt154	SEETESNDt154
SEETESMOt155<-ES(datSEETretOUTSAt155$rev.SEETretOUTSAt155, p=0.975, method="modified")	SEETESNOt155<-ES(datSEETretOUTSAt155$rev.SEETretOUTSAt155, p=0.975, method="gaussian")	SEETESHIt155	SEETESMDt155	SEETESNDt155
SEETESMOt156<-ES(datSEETretOUTSAt156$rev.SEETretOUTSAt156, p=0.975, method="modified")	SEETESNOt156<-ES(datSEETretOUTSAt156$rev.SEETretOUTSAt156, p=0.975, method="gaussian")	SEETESHIt156	SEETESMDt156	SEETESNDt156
SEETESMOt157<-ES(datSEETretOUTSAt157$rev.SEETretOUTSAt157, p=0.975, method="modified")	SEETESNOt157<-ES(datSEETretOUTSAt157$rev.SEETretOUTSAt157, p=0.975, method="gaussian")	SEETESHIt157	SEETESMDt157	SEETESNDt157
SEETESMOt158<-ES(datSEETretOUTSAt158$rev.SEETretOUTSAt158, p=0.975, method="modified")	SEETESNOt158<-ES(datSEETretOUTSAt158$rev.SEETretOUTSAt158, p=0.975, method="gaussian")	SEETESHIt158	SEETESMDt158	SEETESNDt158
SEETESMOt159<-ES(datSEETretOUTSAt159$rev.SEETretOUTSAt159, p=0.975, method="modified")	SEETESNOt159<-ES(datSEETretOUTSAt159$rev.SEETretOUTSAt159, p=0.975, method="gaussian")	SEETESHIt159	SEETESMDt159	SEETESNDt159
SEETESMOt160<-ES(datSEETretOUTSAt160$rev.SEETretOUTSAt160, p=0.975, method="modified")	SEETESNOt160<-ES(datSEETretOUTSAt160$rev.SEETretOUTSAt160, p=0.975, method="gaussian")	SEETESHIt160	SEETESMDt160	SEETESNDt160
SEETESMOt161<-ES(datSEETretOUTSAt161$rev.SEETretOUTSAt161, p=0.975, method="modified")	SEETESNOt161<-ES(datSEETretOUTSAt161$rev.SEETretOUTSAt161, p=0.975, method="gaussian")	SEETESHIt161	SEETESMDt161	SEETESNDt161
SEETESMOt162<-ES(datSEETretOUTSAt162$rev.SEETretOUTSAt162, p=0.975, method="modified")	SEETESNOt162<-ES(datSEETretOUTSAt162$rev.SEETretOUTSAt162, p=0.975, method="gaussian")	SEETESHIt162	SEETESMDt162	SEETESNDt162
SEETESMOt163<-ES(datSEETretOUTSAt163$rev.SEETretOUTSAt163, p=0.975, method="modified")	SEETESNOt163<-ES(datSEETretOUTSAt163$rev.SEETretOUTSAt163, p=0.975, method="gaussian")	SEETESHIt163	SEETESMDt163	SEETESNDt163
SEETESMOt164<-ES(datSEETretOUTSAt164$rev.SEETretOUTSAt164, p=0.975, method="modified")	SEETESNOt164<-ES(datSEETretOUTSAt164$rev.SEETretOUTSAt164, p=0.975, method="gaussian")	SEETESHIt164	SEETESMDt164	SEETESNDt164
SEETESMOt165<-ES(datSEETretOUTSAt165$rev.SEETretOUTSAt165, p=0.975, method="modified")	SEETESNOt165<-ES(datSEETretOUTSAt165$rev.SEETretOUTSAt165, p=0.975, method="gaussian")	SEETESHIt165	SEETESMDt165	SEETESNDt165
SEETESMOt166<-ES(datSEETretOUTSAt166$rev.SEETretOUTSAt166, p=0.975, method="modified")	SEETESNOt166<-ES(datSEETretOUTSAt166$rev.SEETretOUTSAt166, p=0.975, method="gaussian")	SEETESHIt166	SEETESMDt166	SEETESNDt166
SEETESMOt167<-ES(datSEETretOUTSAt167$rev.SEETretOUTSAt167, p=0.975, method="modified")	SEETESNOt167<-ES(datSEETretOUTSAt167$rev.SEETretOUTSAt167, p=0.975, method="gaussian")	SEETESHIt167	SEETESMDt167	SEETESNDt167
SEETESMOt168<-ES(datSEETretOUTSAt168$rev.SEETretOUTSAt168, p=0.975, method="modified")	SEETESNOt168<-ES(datSEETretOUTSAt168$rev.SEETretOUTSAt168, p=0.975, method="gaussian")	SEETESHIt168	SEETESMDt168	SEETESNDt168
SEETESMOt169<-ES(datSEETretOUTSAt169$rev.SEETretOUTSAt169, p=0.975, method="modified")	SEETESNOt169<-ES(datSEETretOUTSAt169$rev.SEETretOUTSAt169, p=0.975, method="gaussian")	SEETESHIt169	SEETESMDt169	SEETESNDt169
SEETESMOt170<-ES(datSEETretOUTSAt170$rev.SEETretOUTSAt170, p=0.975, method="modified")	SEETESNOt170<-ES(datSEETretOUTSAt170$rev.SEETretOUTSAt170, p=0.975, method="gaussian")	SEETESHIt170	SEETESMDt170	SEETESNDt170
SEETESMOt171<-ES(datSEETretOUTSAt171$rev.SEETretOUTSAt171, p=0.975, method="modified")	SEETESNOt171<-ES(datSEETretOUTSAt171$rev.SEETretOUTSAt171, p=0.975, method="gaussian")	SEETESHIt171	SEETESMDt171	SEETESNDt171
SEETESMOt172<-ES(datSEETretOUTSAt172$rev.SEETretOUTSAt172, p=0.975, method="modified")	SEETESNOt172<-ES(datSEETretOUTSAt172$rev.SEETretOUTSAt172, p=0.975, method="gaussian")	SEETESHIt172	SEETESMDt172	SEETESNDt172
SEETESMOt173<-ES(datSEETretOUTSAt173$rev.SEETretOUTSAt173, p=0.975, method="modified")	SEETESNOt173<-ES(datSEETretOUTSAt173$rev.SEETretOUTSAt173, p=0.975, method="gaussian")	SEETESHIt173	SEETESMDt173	SEETESNDt173
SEETESMOt174<-ES(datSEETretOUTSAt174$rev.SEETretOUTSAt174, p=0.975, method="modified")	SEETESNOt174<-ES(datSEETretOUTSAt174$rev.SEETretOUTSAt174, p=0.975, method="gaussian")	SEETESHIt174	SEETESMDt174	SEETESNDt174
SEETESMOt175<-ES(datSEETretOUTSAt175$rev.SEETretOUTSAt175, p=0.975, method="modified")	SEETESNOt175<-ES(datSEETretOUTSAt175$rev.SEETretOUTSAt175, p=0.975, method="gaussian")	SEETESHIt175	SEETESMDt175	SEETESNDt175
SEETESMOt176<-ES(datSEETretOUTSAt176$rev.SEETretOUTSAt176, p=0.975, method="modified")	SEETESNOt176<-ES(datSEETretOUTSAt176$rev.SEETretOUTSAt176, p=0.975, method="gaussian")	SEETESHIt176	SEETESMDt176	SEETESNDt176
SEETESMOt177<-ES(datSEETretOUTSAt177$rev.SEETretOUTSAt177, p=0.975, method="modified")	SEETESNOt177<-ES(datSEETretOUTSAt177$rev.SEETretOUTSAt177, p=0.975, method="gaussian")	SEETESHIt177	SEETESMDt177	SEETESNDt177
SEETESMOt178<-ES(datSEETretOUTSAt178$rev.SEETretOUTSAt178, p=0.975, method="modified")	SEETESNOt178<-ES(datSEETretOUTSAt178$rev.SEETretOUTSAt178, p=0.975, method="gaussian")	SEETESHIt178	SEETESMDt178	SEETESNDt178
SEETESMOt179<-ES(datSEETretOUTSAt179$rev.SEETretOUTSAt179, p=0.975, method="modified")	SEETESNOt179<-ES(datSEETretOUTSAt179$rev.SEETretOUTSAt179, p=0.975, method="gaussian")	SEETESHIt179	SEETESMDt179	SEETESNDt179
SEETESMOt180<-ES(datSEETretOUTSAt180$rev.SEETretOUTSAt180, p=0.975, method="modified")	SEETESNOt180<-ES(datSEETretOUTSAt180$rev.SEETretOUTSAt180, p=0.975, method="gaussian")	SEETESHIt180	SEETESMDt180	SEETESNDt180
SEETESMOt181<-ES(datSEETretOUTSAt181$rev.SEETretOUTSAt181, p=0.975, method="modified")	SEETESNOt181<-ES(datSEETretOUTSAt181$rev.SEETretOUTSAt181, p=0.975, method="gaussian")	SEETESHIt181	SEETESMDt181	SEETESNDt181
SECHESMOt1<-ES(datSECHretOUTSAt1$rev.SECHretOUTSAt1, p=0.975, method="modified")	SECHESNOt1<-ES(datSECHretOUTSAt1$rev.SECHretOUTSAt1, p=0.975, method="gaussian")	SECHESHIt1	SECHESMDt1	SECHESNDt1
SECHESMOt2<-ES(datSECHretOUTSAt2$rev.SECHretOUTSAt2, p=0.975, method="modified")	SECHESNOt2<-ES(datSECHretOUTSAt2$rev.SECHretOUTSAt2, p=0.975, method="gaussian")	SECHESHIt2	SECHESMDt2	SECHESNDt2
SECHESMOt3<-ES(datSECHretOUTSAt3$rev.SECHretOUTSAt3, p=0.975, method="modified")	SECHESNOt3<-ES(datSECHretOUTSAt3$rev.SECHretOUTSAt3, p=0.975, method="gaussian")	SECHESHIt3	SECHESMDt3	SECHESNDt3

SECHESMOt97<-ES(datSECretOUTSAt97$rev.SECHretOUTSAt97, p=0.975, method="modified")	SECHESNOt97<-ES(datSECretOUTSAt97$rev.SECHretOUTSAt97, p=0.975, method="gaussian")	SECHESHIt97	SECHESMOt97	SECHESNOt97
SECHESMOt98<-ES(datSECretOUTSAt98$rev.SECHretOUTSAt98, p=0.975, method="modified")	SECHESNOt98<-ES(datSECretOUTSAt98$rev.SECHretOUTSAt98, p=0.975, method="gaussian")	SECHESHIt98	SECHESMOt98	SECHESNOt98
SECHESMOt99<-ES(datSECretOUTSAt99$rev.SECHretOUTSAt99, p=0.975, method="modified")	SECHESNOt99<-ES(datSECretOUTSAt99$rev.SECHretOUTSAt99, p=0.975, method="gaussian")	SECHESHIt99	SECHESMOt99	SECHESNOt99
SECHESMOt100<-ES(datSECretOUTSAt100$rev.SECHretOUTSAt100, p=0.975, method="modified")	SECHESNOt100<-ES(datSECretOUTSAt100$rev.SECHretOUTSAt100, p=0.975, method="gaussian")	SECHESHIt100	SECHESMOt100	SECHESNOt100
SECHESMOt101<-ES(datSECretOUTSAt101$rev.SECHretOUTSAt101, p=0.975, method="modified")	SECHESNOt101<-ES(datSECretOUTSAt101$rev.SECHretOUTSAt101, p=0.975, method="gaussian")	SECHESHIt101	SECHESMOt101	SECHESNOt101
SECHESMOt102<-ES(datSECretOUTSAt102$rev.SECHretOUTSAt102, p=0.975, method="modified")	SECHESNOt102<-ES(datSECretOUTSAt102$rev.SECHretOUTSAt102, p=0.975, method="gaussian")	SECHESHIt102	SECHESMOt102	SECHESNOt102
SECHESMOt103<-ES(datSECretOUTSAt103$rev.SECHretOUTSAt103, p=0.975, method="modified")	SECHESNOt103<-ES(datSECretOUTSAt103$rev.SECHretOUTSAt103, p=0.975, method="gaussian")	SECHESHIt103	SECHESMOt103	SECHESNOt103
SECHESMOt104<-ES(datSECretOUTSAt104$rev.SECHretOUTSAt104, p=0.975, method="modified")	SECHESNOt104<-ES(datSECretOUTSAt104$rev.SECHretOUTSAt104, p=0.975, method="gaussian")	SECHESHIt104	SECHESMOt104	SECHESNOt104
SECHESMOt105<-ES(datSECretOUTSAt105$rev.SECHretOUTSAt105, p=0.975, method="modified")	SECHESNOt105<-ES(datSECretOUTSAt105$rev.SECHretOUTSAt105, p=0.975, method="gaussian")	SECHESHIt105	SECHESMOt105	SECHESNOt105
SECHESMOt106<-ES(datSECretOUTSAt106$rev.SECHretOUTSAt106, p=0.975, method="modified")	SECHESNOt106<-ES(datSECretOUTSAt106$rev.SECHretOUTSAt106, p=0.975, method="gaussian")	SECHESHIt106	SECHESMOt106	SECHESNOt106
SECHESMOt107<-ES(datSECretOUTSAt107$rev.SECHretOUTSAt107, p=0.975, method="modified")	SECHESNOt107<-ES(datSECretOUTSAt107$rev.SECHretOUTSAt107, p=0.975, method="gaussian")	SECHESHIt107	SECHESMOt107	SECHESNOt107
SECHESMOt108<-ES(datSECretOUTSAt108$rev.SECHretOUTSAt108, p=0.975, method="modified")	SECHESNOt108<-ES(datSECretOUTSAt108$rev.SECHretOUTSAt108, p=0.975, method="gaussian")	SECHESHIt108	SECHESMOt108	SECHESNOt108
SECHESMOt109<-ES(datSECretOUTSAt109$rev.SECHretOUTSAt109, p=0.975, method="modified")	SECHESNOt109<-ES(datSECretOUTSAt109$rev.SECHretOUTSAt109, p=0.975, method="gaussian")	SECHESHIt109	SECHESMOt109	SECHESNOt109
SECHESMOt110<-ES(datSECretOUTSAt110$rev.SECHretOUTSAt110, p=0.975, method="modified")	SECHESNOt110<-ES(datSECretOUTSAt110$rev.SECHretOUTSAt110, p=0.975, method="gaussian")	SECHESHIt110	SECHESMOt110	SECHESNOt110
SECHESMOt111<-ES(datSECretOUTSAt111$rev.SECHretOUTSAt111, p=0.975, method="modified")	SECHESNOt111<-ES(datSECretOUTSAt111$rev.SECHretOUTSAt111, p=0.975, method="gaussian")	SECHESHIt111	SECHESMOt111	SECHESNOt111
SECHESMOt112<-ES(datSECretOUTSAt112$rev.SECHretOUTSAt112, p=0.975, method="modified")	SECHESNOt112<-ES(datSECretOUTSAt112$rev.SECHretOUTSAt112, p=0.975, method="gaussian")	SECHESHIt112	SECHESMOt112	SECHESNOt112
SECHESMOt113<-ES(datSECretOUTSAt113$rev.SECHretOUTSAt113, p=0.975, method="modified")	SECHESNOt113<-ES(datSECretOUTSAt113$rev.SECHretOUTSAt113, p=0.975, method="gaussian")	SECHESHIt113	SECHESMOt113	SECHESNOt113
SECHESMOt114<-ES(datSECretOUTSAt114$rev.SECHretOUTSAt114, p=0.975, method="modified")	SECHESNOt114<-ES(datSECretOUTSAt114$rev.SECHretOUTSAt114, p=0.975, method="gaussian")	SECHESHIt114	SECHESMOt114	SECHESNOt114
SECHESMOt115<-ES(datSECretOUTSAt115$rev.SECHretOUTSAt115, p=0.975, method="modified")	SECHESNOt115<-ES(datSECretOUTSAt115$rev.SECHretOUTSAt115, p=0.975, method="gaussian")	SECHESHIt115	SECHESMOt115	SECHESNOt115
SECHESMOt116<-ES(datSECretOUTSAt116$rev.SECHretOUTSAt116, p=0.975, method="modified")	SECHESNOt116<-ES(datSECretOUTSAt116$rev.SECHretOUTSAt116, p=0.975, method="gaussian")	SECHESHIt116	SECHESMOt116	SECHESNOt116
SECHESMOt117<-ES(datSECretOUTSAt117$rev.SECHretOUTSAt117, p=0.975, method="modified")	SECHESNOt117<-ES(datSECretOUTSAt117$rev.SECHretOUTSAt117, p=0.975, method="gaussian")	SECHESHIt117	SECHESMOt117	SECHESNOt117
SECHESMOt118<-ES(datSECretOUTSAt118$rev.SECHretOUTSAt118, p=0.975, method="modified")	SECHESNOt118<-ES(datSECretOUTSAt118$rev.SECHretOUTSAt118, p=0.975, method="gaussian")	SECHESHIt118	SECHESMOt118	SECHESNOt118
SECHESMOt119<-ES(datSECretOUTSAt119$rev.SECHretOUTSAt119, p=0.975, method="modified")	SECHESNOt119<-ES(datSECretOUTSAt119$rev.SECHretOUTSAt119, p=0.975, method="gaussian")	SECHESHIt119	SECHESMOt119	SECHESNOt119
SECHESMOt120<-ES(datSECretOUTSAt120$rev.SECHretOUTSAt120, p=0.975, method="modified")	SECHESNOt120<-ES(datSECretOUTSAt120$rev.SECHretOUTSAt120, p=0.975, method="gaussian")	SECHESHIt120	SECHESMOt120	SECHESNOt120
SECHESMOt121<-ES(datSECretOUTSAt121$rev.SECHretOUTSAt121, p=0.975, method="modified")	SECHESNOt121<-ES(datSECretOUTSAt121$rev.SECHretOUTSAt121, p=0.975, method="gaussian")	SECHESHIt121	SECHESMOt121	SECHESNOt121
SECHESMOt122<-ES(datSECretOUTSAt122$rev.SECHretOUTSAt122, p=0.975, method="modified")	SECHESNOt122<-ES(datSECretOUTSAt122$rev.SECHretOUTSAt122, p=0.975, method="gaussian")	SECHESHIt122	SECHESMOt122	SECHESNOt122
SECHESMOt123<-ES(datSECretOUTSAt123$rev.SECHretOUTSAt123, p=0.975, method="modified")	SECHESNOt123<-ES(datSECretOUTSAt123$rev.SECHretOUTSAt123, p=0.975, method="gaussian")	SECHESHIt123	SECHESMOt123	SECHESNOt123
SECHESMOt124<-ES(datSECretOUTSAt124$rev.SECHretOUTSAt124, p=0.975, method="modified")	SECHESNOt124<-ES(datSECretOUTSAt124$rev.SECHretOUTSAt124, p=0.975, method="gaussian")	SECHESHIt124	SECHESMOt124	SECHESNOt124
SECHESMOt125<-ES(datSECretOUTSAt125$rev.SECHretOUTSAt125, p=0.975, method="modified")	SECHESNOt125<-ES(datSECretOUTSAt125$rev.SECHretOUTSAt125, p=0.975, method="gaussian")	SECHESHIt125	SECHESMOt125	SECHESNOt125
SECHESMOt126<-ES(datSECretOUTSAt126$rev.SECHretOUTSAt126, p=0.975, method="modified")	SECHESNOt126<-ES(datSECretOUTSAt126$rev.SECHretOUTSAt126, p=0.975, method="gaussian")	SECHESHIt126	SECHESMOt126	SECHESNOt126
SECHESMOt127<-ES(datSECretOUTSAt127$rev.SECHretOUTSAt127, p=0.975, method="modified")	SECHESNOt127<-ES(datSECretOUTSAt127$rev.SECHretOUTSAt127, p=0.975, method="gaussian")	SECHESHIt127	SECHESMOt127	SECHESNOt127
SECHESMOt128<-ES(datSECretOUTSAt128$rev.SECHretOUTSAt128, p=0.975, method="modified")	SECHESNOt128<-ES(datSECretOUTSAt128$rev.SECHretOUTSAt128, p=0.975, method="gaussian")	SECHESHIt128	SECHESMOt128	SECHESNOt128
SECHESMOt129<-ES(datSECretOUTSAt129$rev.SECHretOUTSAt129, p=0.975, method="modified")	SECHESNOt129<-ES(datSECretOUTSAt129$rev.SECHretOUTSAt129, p=0.975, method="gaussian")	SECHESHIt129	SECHESMOt129	SECHESNOt129
SECHESMOt130<-ES(datSECretOUTSAt130$rev.SECHretOUTSAt130, p=0.975, method="modified")	SECHESNOt130<-ES(datSECretOUTSAt130$rev.SECHretOUTSAt130, p=0.975, method="gaussian")	SECHESHIt130	SECHESMOt130	SECHESNOt130
SECHESMOt131<-ES(datSECretOUTSAt131$rev.SECHretOUTSAt131, p=0.975, method="modified")	SECHESNOt131<-ES(datSECretOUTSAt131$rev.SECHretOUTSAt131, p=0.975, method="gaussian")	SECHESHIt131	SECHESMOt131	SECHESNOt131
SECHESMOt132<-ES(datSECretOUTSAt132$rev.SECHretOUTSAt132, p=0.975, method="modified")	SECHESNOt132<-ES(datSECretOUTSAt132$rev.SECHretOUTSAt132, p=0.975, method="gaussian")	SECHESHIt132	SECHESMOt132	SECHESNOt132
SECHESMOt133<-ES(datSECretOUTSAt133$rev.SECHretOUTSAt133, p=0.975, method="modified")	SECHESNOt133<-ES(datSECretOUTSAt133$rev.SECHretOUTSAt133, p=0.975, method="gaussian")	SECHESHIt133	SECHESMOt133	SECHESNOt133
SECHESMOt134<-ES(datSECretOUTSAt134$rev.SECHretOUTSAt134, p=0.975, method="modified")	SECHESNOt134<-ES(datSECretOUTSAt134$rev.SECHretOUTSAt134, p=0.975, method="gaussian")	SECHESHIt134	SECHESMOt134	SECHESNOt134
SECHESMOt135<-ES(datSECretOUTSAt135$rev.SECHretOUTSAt135, p=0.975, method="modified")	SECHESNOt135<-ES(datSECretOUTSAt135$rev.SECHretOUTSAt135, p=0.975, method="gaussian")	SECHESHIt135	SECHESMOt135	SECHESNOt135
SECHESMOt136<-ES(datSECretOUTSAt136$rev.SECHretOUTSAt136, p=0.975, method="modified")	SECHESNOt136<-ES(datSECretOUTSAt136$rev.SECHretOUTSAt136, p=0.975, method="gaussian")	SECHESHIt136	SECHESMOt136	SECHESNOt136
SECHESMOt137<-ES(datSECretOUTSAt137$rev.SECHretOUTSAt137, p=0.975, method="modified")	SECHESNOt137<-ES(datSECretOUTSAt137$rev.SECHretOUTSAt137, p=0.975, method="gaussian")	SECHESHIt137	SECHESMOt137	SECHESNOt137
SECHESMOt138<-ES(datSECretOUTSAt138$rev.SECHretOUTSAt138, p=0.975, method="modified")	SECHESNOt138<-ES(datSECretOUTSAt138$rev.SECHretOUTSAt138, p=0.975, method="gaussian")	SECHESHIt138	SECHESMOt138	SECHESNOt138
SECHESMOt139<-ES(datSECretOUTSAt139$rev.SECHretOUTSAt139, p=0.975, method="modified")	SECHESNOt139<-ES(datSECretOUTSAt139$rev.SECHretOUTSAt139, p=0.975, method="gaussian")	SECHESHIt139	SECHESMOt139	SECHESNOt139
SECHESMOt140<-ES(datSECretOUTSAt140$rev.SECHretOUTSAt140, p=0.975, method="modified")	SECHESNOt140<-ES(datSECretOUTSAt140$rev.SECHretOUTSAt140, p=0.975, method="gaussian")	SECHESHIt140	SECHESMOt140	SECHESNOt140
SECHESMOt141<-ES(datSECretOUTSAt141$rev.SECHretOUTSAt141, p=0.975, method="modified")	SECHESNOt141<-ES(datSECretOUTSAt141$rev.SECHretOUTSAt141, p=0.975, method="gaussian")	SECHESHIt141	SECHESMOt141	SECHESNOt141
SECHESMOt142<-ES(datSECretOUTSAt142$rev.SECHretOUTSAt142, p=0.975, method="modified")	SECHESNOt142<-ES(datSECretOUTSAt142$rev.SECHretOUTSAt142, p=0.975, method="gaussian")	SECHESHIt142	SECHESMOt142	SECHESNOt142
SECHESMOt143<-ES(datSECretOUTSAt143$rev.SECHretOUTSAt143, p=0.975, method="modified")	SECHESNOt143<-ES(datSECretOUTSAt143$rev.SECHretOUTSAt143, p=0.975, method="gaussian")	SECHESHIt143	SECHESMOt143	SECHESNOt143
SECHESMOt144<-ES(datSECretOUTSAt144$rev.SECHretOUTSAt144, p=0.975, method="modified")	SECHESNOt144<-ES(datSECretOUTSAt144$rev.SECHretOUTSAt144, p=0.975, method="gaussian")	SECHESHIt144	SECHESMOt144	SECHESNOt144
SECHESMOt145<-ES(datSECretOUTSAt145$rev.SECHretOUTSAt145, p=0.975, method="modified")	SECHESNOt145<-ES(datSECretOUTSAt145$rev.SECHretOUTSAt145, p=0.975, method="gaussian")	SECHESHIt145	SECHESMOt145	SECHESNOt145
SECHESMOt146<-ES(datSECretOUTSAt146$rev.SECHretOUTSAt146, p=0.975, method="modified")	SECHESNOt146<-ES(datSECretOUTSAt146$rev.SECHretOUTSAt146, p=0.975, method="gaussian")	SECHESHIt146	SECHESMOt146	SECHESNOt146
SECHESMOt147<-ES(datSECretOUTSAt147$rev.SECHretOUTSAt147, p=0.975, method="modified")	SECHESNOt147<-ES(datSECretOUTSAt147$rev.SECHretOUTSAt147, p=0.975, method="gaussian")	SECHESHIt147	SECHESMOt147	SECHESNOt147
SECHESMOt148<-ES(datSECretOUTSAt148$rev.SECHretOUTSAt148, p=0.975, method="modified")	SECHESNOt148<-ES(datSECretOUTSAt148$rev.SECHretOUTSAt148, p=0.975, method="gaussian")	SECHESHIt148	SECHESMOt148	SECHESNOt148
SECHESMOt149<-ES(datSECretOUTSAt149$rev.SECHretOUTSAt149, p=0.975, method="modified")	SECHESNOt149<-ES(datSECretOUTSAt149$rev.SECHretOUTSAt149, p=0.975, method="gaussian")	SECHESHIt149	SECHESMOt149	SECHESNOt149
SECHESMOt150<-ES(datSECretOUTSAt150$rev.SECHretOUTSAt150, p=0.975, method="modified")	SECHESNOt150<-ES(datSECretOUTSAt150$rev.SECHretOUTSAt150, p=0.975, method="gaussian")	SECHESHIt150	SECHESMOt150	SECHESNOt150
SECHESMOt151<-ES(datSECretOUTSAt151$rev.SECHretOUTSAt151, p=0.975, method="modified")	SECHESNOt151<-ES(datSECretOUTSAt151$rev.SECHretOUTSAt151, p=0.975, method="gaussian")	SECHESHIt151	SECHESMOt151	SECHESNOt151
SECHESMOt152<-ES(datSECretOUTSAt152$rev.SECHretOUTSAt152, p=0.975, method="modified")	SECHESNOt152<-ES(datSECretOUTSAt152$rev.SECHretOUTSAt152, p=0.975, method="gaussian")	SECHESHIt152	SECHESMOt152	SECHESNOt152
SECHESMOt153<-ES(datSECretOUTSAt153$rev.SECHretOUTSAt153, p=0.975, method="modified")	SECHESNOt153<-ES(datSECretOUTSAt153$rev.SECHretOUTSAt153, p=0.975, method="gaussian")	SECHESHIt153	SECHESMOt153	SECHESNOt153
SECHESMOt154<-ES(datSECretOUTSAt154$rev.SECHretOUTSAt154, p=0.975, method="modified")	SECHESNOt154<-ES(datSECretOUTSAt154$rev.SECHretOUTSAt154, p=0.975, method="gaussian")	SECHESHIt154	SECHESMOt154	SECHESNOt154
SECHESMOt155<-ES(datSECretOUTSAt155$rev.SECHretOUTSAt155, p=0.975, method="modified")	SECHESNOt155<-ES(datSECretOUTSAt155$rev.SECHretOUTSAt155, p=0.975, method="gaussian")	SECHESHIt155	SECHESMOt155	SECHESNOt155
SECHESMOt156<-ES(datSECretOUTSAt156$rev.SECHretOUTSAt156, p=0.975, method="modified")	SECHESNOt156<-ES(datSECretOUTSAt156$rev.SECHretOUTSAt156, p=0.975, method="gaussian")	SECHESHIt156	SECHESMOt156	SECHESNOt156
SECHESMOt157<-ES(datSECretOUTSAt157$rev.SECHretOUTSAt157, p=0.975, method="modified")	SECHESNOt157<-ES(datSECretOUTSAt157$rev.SECHretOUTSAt157, p=0.975, method="gaussian")	SECHESHIt157	SECHESMOt157	SECHESNOt157
SECHESMOt158<-ES(datSECretOUTSAt158$rev.SECHretOUTSAt158, p=0.975, method="modified")	SECHESNOt158<-ES(datSECretOUTSAt158$rev.SECHretOUTSAt158, p=0.975, method="gaussian")	SECHESHIt158	SECHESMOt158	SECHESNOt158
SECHESMOt159<-ES(datSECretOUTSAt159$rev.SECHretOUTSAt159, p=0.975, method="modified")	SECHESNOt159<-ES(datSECretOUTSAt159$rev.SECHretOUTSAt159, p=0.975, method="gaussian")	SECHESHIt159	SECHESMOt159	SECHESNOt159
SECHESMOt160<-ES(datSECretOUTSAt160$rev.SECHretOUTSAt160, p=0.975, method="modified")	SECHESNOt160<-ES(datSECretOUTSAt160$rev.SECHretOUTSAt160, p=0.975, method="gaussian")	SECHESHIt160	SECHESMOt160	SECHESNOt160
SECHESMOt161<-ES(datSECretOUTSAt161$rev.SECHretOUTSAt161, p=0.975, method="modified")	SECHESNOt161<-ES(datSECretOUTSAt161$rev.SECHretOUTSAt161, p=0.975, method="gaussian")	SECHESHIt161	SECHESMOt161	SECHESNOt161
SECHESMOt162<-ES(datSECretOUTSAt162$rev.SECHretOUTSAt162, p=0.975, method="modified")	SECHESNOt162<-ES(datSECretOUTSAt162$rev.SECHretOUTSAt162, p=0.975, method="gaussian")	SECHESHIt162	SECHESMOt162	SECHESNOt162
SECHESMOt163<-ES(datSECretOUTSAt163$rev.SECHretOUTSAt163, p=0.975, method="modified")	SECHESNOt163<-ES(datSECretOUTSAt163$rev.SECHretOUTSAt163, p=0.975, method="gaussian")	SECHESHIt163	SECHESMOt163	SECHESNOt163
SECHESMOt164<-ES(datSECretOUTSAt164$rev.SECHretOUTSAt164, p=0.975, method="modified")	SECHESNOt164<-ES(datSECretOUTSAt164$rev.SECHretOUTSAt164, p=0.975, method="gaussian")	SECHESHIt164	SECHESMOt164	SECHESNOt164
SECHESMOt165<-ES(datSECretOUTSAt165$rev.SECHretOUTSAt165, p=0.975, method="modified")	SECHESNOt165<-ES(datSECretOUTSAt165$rev.SECHretOUTSAt165, p=0.975, method="gaussian")	SECHESHIt165	SECHESMOt165	SECHESNOt165
SECHESMOt166<-ES(datSECretOUTSAt166$rev.SECHretOUTSAt166, p=0.975, method="modified")	SECHESNOt166<-ES(datSECretOUTSAt166$rev.SECHretOUTSAt166, p=0.975, method="gaussian")	SECHESHIt166	SECHESMOt166	SECHESNOt166
SECHESMOt167<-ES(datSECretOUTSAt167$rev.SECHretOUTSAt167, p=0.975, method="modified")	SECHESNOt167<-ES(datSECretOUTSAt167$rev.SECHretOUTSAt167, p=0.975, method="gaussian")	SECHESHIt167	SECHESMOt167	SECHESNOt167
SECHESMOt168<-ES(datSECretOUTSAt168$rev.SECHretOUTSAt168, p=0.975, method="modified")	SECHESNOt168<-ES(datSECretOUTSAt168$rev.SECHretOUTSAt168, p=0.975, method="gaussian")	SECHESHIt168	SECHESMOt168	SECHESNOt168
SECHESMOt169<-ES(datSECretOUTSAt169$rev.SECHretOUTSAt169, p=0.975, method="modified")	SECHESNOt169<-ES(datSECretOUTSAt169$rev.SECHretOUTSAt169, p=0.975, method="gaussian")	SECHESHIt169	SECHESMOt169	SECHESNOt169
SECHESMOt170<-ES(datSECretOUTSAt170$rev.SECHretOUTSAt170, p=0.975, method="modified")	SECHESNOt170<-ES(datSECretOUTSAt170$rev.SECHretOUTSAt170, p=0.975, method="gaussian")	SECHESHIt170	SECHESMOt170	SECHESNOt170
SECHESMOt171<-ES(datSECretOUTSAt171$rev.SECHretOUTSAt171, p=0.975, method="modified")	SECHESNOt171<-ES(datSECretOUTSAt171$rev.SECHretOUTSAt171, p=0.975, method="gaussian")	SECHESHIt171	SECHESMOt171	SECHESNOt171
SECHESMOt172<-ES(datSECretOUTSAt172$rev.SECHretOUTSAt172, p=0.975, method="modified")	SECHESNOt172<-ES(datSECretOUTSAt172$rev.SECHretOUTSAt172, p=0.975, method="gaussian")	SECHESHIt172	SECHESMOt172	SECHESNOt172
SECHESMOt173<-ES(datSECretOUTSAt173$rev.SECHretOUTSAt173, p=0.975, method="modified")	SECHESNOt173<-ES(datSECretOUTSAt173$rev.SECHretOUTSAt173, p=0.975, method="gaussian")	SECHESHIt173	SECHESMOt173	SECHESNOt173
SECHESMOt174<-ES(datSECretOUTSAt174$rev.SECHretOUTSAt174, p=0.975, method="modified")	SECHESNOt174<-ES(datSECretOUTSAt174$rev.SECHretOUTSAt174, p=0.975, method="gaussian")	SECHESHIt174	SECHESMOt174	SECHESNOt174
SECHESMOt175<-ES(datSECretOUTSAt175$rev.SECHretOUTSAt175, p=0.975, method="modified")	SECHESNOt175<-ES(datSECretOUTSAt175$rev.SECHretOUTSAt175, p=0.975, method="gaussian")	SECHESHIt175	SECHESMOt175	SECHESNOt175
SECHESMOt176<-ES(datSECretOUTSAt176$rev.SECHretOUTSAt176, p=0.975, method="modified")	SECHESNOt176<-ES(datSECretOUTSAt176$rev.SECHretOUTSAt176, p=0.975, method="gaussian")	SECHESHIt176	SECHESMOt176	SECHESNOt176
SECHESMOt177<-ES(datSECretOUTSAt177$rev.SECHretOUTSAt177, p=0.975, method="modified")	SECHESNOt177<-ES(datSECretOUTSAt177$rev.SECHretOUTSAt177, p=0.975, method="gaussian")	SECHESHIt177	SECHESMOt177	SECHESNOt177
SECHESMOt178<-ES(datSECretOUTSAt178$rev.SECHretOUTSAt178, p=0.975, method="modified")	SECHESNOt178<-ES(datSECretOUTSAt178$rev.SECHretOUTSAt178, p=0.975, method="gaussian")	SECHESHIt178	SECHESMOt178	SECHESNOt178
SECHESMOt179<-ES(datSECretOUTSAt179$rev.SECHretOUTSAt179, p=0.975, method="modified")	SECHESNOt179<-ES(datSECretOUTSAt179$rev.SECHretOUTSAt179, p=0.975, method="gaussian")	SECHESHIt179	SECHESMOt179	SECHESNOt179
SECHESMOt180<-ES(datSECretOUTSAt180$rev.SECHretOUTSAt180, p=0.975, method="modified")	SECHESNOt180<-ES(datSECretOUTSAt180$rev.SECHretOUTSAt180, p=0.975, method="gaussian")	SECHESHIt180	SECHESMOt180	SECHESNOt180
SECHESMOt181<-ES(datSECretOUTSAt181$rev.SECHretOUTSAt181, p=0.975, method="modified")	SECHESNOt181<-ES(datSECretOUTSAt181$rev.SECHretOUTSAt181, p=0.975, method="gaussian")	SECHESHIt181	SECHESMOt181	SECHESNOt181
SEAPESMOt1<-ES(datSEAPretOUTSAt1$rev.SEAPretOUTSAt1, p=0.975, method="modified")	SEAPESNOt1<-ES(datSEAPretOUTSAt1$rev.SEAPretOUTSAt1, p=0.975, method="gaussian")	SEAPESHIt1	SEAPESMOt1	SEAPESNOt1
SEAPESMOt2<-ES(datSEAPretOUTSAt2$rev.SEAPretOUTSAt2, p=0.975, method="modified")	SEAPESNOt2<-ES(datSEAPretOUTSAt2$rev.SEAPretOUTSAt2, p=0.975, method="gaussian")	SEAPESHIt2	SEAPESMOt2	SEAPESNOt2
SEAPESMOt3<-ES(datSEAPretOUTSAt3$rev.SEAPretOUTSAt3, p=0.975, method="modified")	SEAPESNOt3<-ES(datSEAPretOUTSAt3$rev.SEAPretOUTSAt3, p=0.975, method="gaussian")	SEAPESHIt3	SEAPESMOt3	SEAPESNOt3
SEAPESMOt4<-ES(datSEAPretOUTSAt4$rev.SEAPretOUTSAt4, p=0.975, method="modified")	SEAPESNOt4<-ES(datSEAPretOUTSAt4$rev.SEAPretOUTSAt4, p=0.975, method="gaussian")	SEAPESHIt4	SEAPESMOt4	SEAPESNOt4
SEAPESMOt5<-ES(datSEAPretOUTSAt5$rev.SEAPretOUTSAt5, p=0.975, method="modified")	SEAPESNOt5<-ES(datSEAPretOUTSAt5$rev.SEAPretOUTSAt5, p=0.975, method="gaussian")	SEAPESHIt5	SEAPESMOt5	SEAPESNOt5
SEAPESMOt6<-ES(datSEAPretOUTSAt6$rev.SEAPretOUTSAt6, p=0.975, method="modified")	SEAPESNOt6<-ES(datSEAPretOUTSAt6$rev.SEAPretOUTSAt6, p=0.975, method="gaussian")	SEAPESHIt6	SEAPESMOt6	SEAPESNOt6
SEAPESMOt7<-ES(datSEAPretOUTSAt7$rev.SEAPretOUTSAt7, p=0.975, method="modified")	SEAPESNOt7<-ES(datSEAPretOUTSAt7$rev.SEAPretOUTSAt7, p=0.975, method="gaussian")	SEAPESHIt7	SEAPESMOt7	SEAPESNOt7
SEAPESMOt8<-ES(datSEAPretOUTSAt8$rev.SEAPretOUTSAt8, p=0.975, method="modified")	SEAPESNOt8<-ES(datSEAPretOUTSAt8$rev.SEAPretOUTSAt8, p=0.975, method="gaussian")	SEAPESHIt8	SEAPESMOt8	SEAPESNOt8
SEAPESMOt9<-ES(datSEAPretOUTSAt9$rev.SEAPretOUTSAt9, p=0.975, method="modified")	SEAPESNOt9<-ES(datSEAPretOUTSAt9$rev.SEAPretOUTSAt9, p=0.975, method="gaussian")	SEAPESHIt9	SEAPESMOt9	SEAPESNOt9
SEAPESMOt10<-ES(datSEAPretOUTSAt10$rev.SEAPretOUTSAt10, p=0.975, method="modified")	SEAPESNOt10<-ES(datSEAPretOUTSAt10$rev.SEAPretOUTSAt10, p=0.975, method="gaussian")	SEAPESHIt10	SEAPESMOt10	SEAPESNOt10
SEAPESMOt11<-ES(datSEAPretOUTSAt11$rev.SEAPretOUTSAt11, p=0.975, method="modified")	SEAPESNOt11<-ES(datSEAPretOUTSAt11$rev.SEAPretOUTSAt11, p=0.975, method="gaussian")	SEAPESHIt11	SEAPESMOt11	SEAPESNOt11
SEAPESMOt12<-ES(datSEAPretOUTSAt12$rev.SEAPretOUTSAt12, p=0.975, method="modified")	SEAPESNOt12<-ES(datSEAPretOUTSAt12$rev.SEAPretOUTSAt12, p=0.975, method="gaussian")	SEAPESHIt12	SEAPESMOt12	SEAPESNOt12
SEAPESMOt13<-ES(datSEAPretOUTSAt13$rev.SEAPretOUTSAt13, p=0.975, method="modified")	SEAPESNOt13<-ES(datSEAPretOUTSAt13$rev.SEAPretOUTSAt13, p=0.975, method="gaussian")	SEAPESHIt13	SEAPESMOt13	SEAPESNOt13
SEAPESMOt14<-ES(datSEAPretOUTSAt14$rev.SEAPretOUTSAt14, p=0.975, method="modified")	SEAPESNOt14<-ES(datSEAPretOUTSAt14$rev.SEAPretOUTSAt14, p=0.975, method="gaussian")	SEAPESHIt14	SEAPESMOt14	SEAPESNOt14
SEAPESMOt15<-ES(datSEAPretOUTSAt15$rev.SEAPretOUTSAt15, p=0.975, method="modified")	SEAPESNOt15<-ES(datSEAPretOUTSAt15$rev.SEAPretOUTSAt15, p=0.975, method="gaussian")	SEAPESHIt15	SEAPESMOt15	SEAPESNOt15
SEAPESMOt16<-ES(datSEAPretOUTSAt16$rev.SEAPretOUTSAt16, p=0.975, method="modified")	SEAPESNOt16<-ES(datSEAPretOUTSAt16$rev.SEAPretOUTSAt16, p=0.975, method="gaussian")	SEAPESHIt16	SEAPESMOt16	SEAPESNOt16
SEAPESMOt17<-ES(datSEAPretOUTSAt17$rev.SEAPretOUTSAt17, p=0.975, method="modified")	SEAPESNOt17<-ES(datSEAPretOUTSAt17$rev.SEAPretOUTSAt17, p=0.975, method="gaussian")	SEAPESHIt17	SEAPESMOt17	SEAPESNOt17
SEAPESMOt18<-ES(datSEAPretOUTSAt18$rev.SEAPretOUTSAt18, p=0.975, method="modified")	SEAPESNOt18<-ES(datSEAPretOUTSAt18$rev.SEAPretOUTSAt18, p=0.975, method="gaussian")	SEAPESHIt18	SEAPESMOt18	SEAPESNOt18
SEAPESMOt19<-ES(datSEAPretOUTSAt19$rev.SEAPretOUTSAt19, p=0.975, method="modified")	SEAPESNOt19<-ES(datSEAPretOUTSAt19$rev.SEAPretOUTSAt19, p=0.975, method="gaussian")	SEAPESHIt19	SEAPESMOt19	SEAPESNOt19
SEAPESMOt20<-ES(datSEAPretOUTSAt20$rev.SEAPretOUTSAt20, p=0.975, method="modified")	SEAPESNOt20<-ES(datSEAPretOUTSAt20$rev.SEAPretOUTSAt20, p=0.975, method="gaussian")	SEAPESHIt20	SEAPESMOt20	SEAPESNOt20
SEAPESMOt21<-ES(datSEAPretOUTSAt21$rev.SEAPretOUTSAt21, p=0.975, method="modified")	SEAPESNOt21<-ES(datSEAPretOUTSAt21$rev.SEAPretOUTSAt21, p=0.975, method="gaussian")	SEAPESHIt21	SEAPESMOt21	SEAPESNOt21
SEAPESMOt22<-ES(datSEAPretOUTSAt22$rev.SEAPretOUTSAt22, p=0.975, method="modified")	SEAPESNOt22<-ES(datSEAPretOUTSAt22$rev.SEAPretOUTSAt22, p=0.975, method="gaussian")	SEAPESHIt22	SEAPESMOt22	SEAPESNOt22
SEAPESMOt23<-ES(datSEAPretOUTSAt23$rev.SEAPretOUTSAt23, p=0.975, method="modified")	SEAPESNOt23<-ES(datSEAPretOUTSAt23$rev.SEAPretOUTSAt23, p=0.975, method="gaussian")	SEAPESHIt23	SEAPESMOt23	SEAPESNOt23
SEAPESMOt24<-ES(datSEAPretOUTSAt24$rev.SEAPretOUTSAt24, p=0.975, method="modified")	SEAPESNOt24<-ES(datSEAPretOUTSAt24$rev.SEAPretOUTSAt24, p=0.975, method="gaussian")	SEAPESHIt24	SEAPESMOt24	SEAPESNOt24
SEAPESMOt25<-ES(datSEAPretOUTSAt25$rev.SEAPretOUTSAt25, p=0.975, method="modified")	SEAPESNOt25<-ES(datSEAPretOUTSAt25$rev.SEAPretOUTSAt25, p=0.975, method="gaussian")	SEAPESHIt25	SEAPESMOt25	SEAPESNOt25
SEAPESMOt26<-ES(datSEAPretOUTSAt26$rev.SEAPretOUTSAt26, p=0.975, method="modified")	SEAPESNOt26<-ES(datSEAPretOUTSAt26$rev.SEAPretOUTSAt26, p=0.975, method="gaussian")	SEAPESHIt26	SEAPESMOt26	SEAPESNOt26
SEAPESMOt27<-ES(datSEAPretOUTSAt27$rev.SEAPretOUTSAt27, p=0.975, method="modified")	SEAPESNOt27<-ES(datSEAPretOUTSAt27$rev.SEAPretOUTSAt27, p=0.975, method="gaussian")	SEAPESHIt27	SEAPESMOt27	SEAPESNOt27
SEAPESMOt28<-ES(datSEAPretOUTSAt28$rev.SEAPretOUTSAt28, p=0.975, method="modified")	SEAPESNOt28<-ES(datSEAPretOUTSAt28$rev.SEAPretOUTSAt28, p=0.975, method="gaussian")	SEAPESHIt28	SEAPESMOt28	SEAPESNOt28
SEAPESMOt29<-ES(datSEAPretOUTSAt29$rev.SEAPretOUTSAt29, p=0.975, method="

SEAPESMOt43<-ES(datSEAPretOUTSAt43$rev.SEAPretOUTSAt43, p=0.975, method="modified")	SEAPESNOt43<-ES(datSEAPretOUTSAt43$rev.SEAPretOUTSAt43, p=0.975, method="gaussian")	SEAPESHIt43	SEAPESMOt43	SEAPESNOt43
SEAPESMOt44<-ES(datSEAPretOUTSAt44$rev.SEAPretOUTSAt44, p=0.975, method="modified")	SEAPESNOt44<-ES(datSEAPretOUTSAt44$rev.SEAPretOUTSAt44, p=0.975, method="gaussian")	SEAPESHIt44	SEAPESMOt44	SEAPESNOt44
SEAPESMOt45<-ES(datSEAPretOUTSAt45$rev.SEAPretOUTSAt45, p=0.975, method="modified")	SEAPESNOt45<-ES(datSEAPretOUTSAt45$rev.SEAPretOUTSAt45, p=0.975, method="gaussian")	SEAPESHIt45	SEAPESMOt45	SEAPESNOt45

SEAPESMOt172<-ES(datSEAPretOUTSAt172$rev.SEAPretOUTSAt172, p=0.975, method="modified")	SEAPESNOt172<-ES(datSEAPretOUTSAt172$rev.SEAPretOUTSAt172, p=0.975, method="gaussian")	SEAPESHIt172	SEAPESMOt172	SEAPESNOt172
SEAPESMOt173<-ES(datSEAPretOUTSAt173$rev.SEAPretOUTSAt173, p=0.975, method="modified")	SEAPESNOt173<-ES(datSEAPretOUTSAt173$rev.SEAPretOUTSAt173, p=0.975, method="gaussian")	SEAPESHIt173	SEAPESMOt173	SEAPESNOt173
SEAPESMOt174<-ES(datSEAPretOUTSAt174$rev.SEAPretOUTSAt174, p=0.975, method="modified")	SEAPESNOt174<-ES(datSEAPretOUTSAt174$rev.SEAPretOUTSAt174, p=0.975, method="gaussian")	SEAPESHIt174	SEAPESMOt174	SEAPESNOt174
SEAPESMOt175<-ES(datSEAPretOUTSAt175$rev.SEAPretOUTSAt175, p=0.975, method="modified")	SEAPESNOt175<-ES(datSEAPretOUTSAt175$rev.SEAPretOUTSAt175, p=0.975, method="gaussian")	SEAPESHIt175	SEAPESMOt175	SEAPESNOt175
SEAPESMOt176<-ES(datSEAPretOUTSAt176$rev.SEAPretOUTSAt176, p=0.975, method="modified")	SEAPESNOt176<-ES(datSEAPretOUTSAt176$rev.SEAPretOUTSAt176, p=0.975, method="gaussian")	SEAPESHIt176	SEAPESMOt176	SEAPESNOt176
SEAPESMOt177<-ES(datSEAPretOUTSAt177$rev.SEAPretOUTSAt177, p=0.975, method="modified")	SEAPESNOt177<-ES(datSEAPretOUTSAt177$rev.SEAPretOUTSAt177, p=0.975, method="gaussian")	SEAPESHIt177	SEAPESMOt177	SEAPESNOt177
SEAPESMOt178<-ES(datSEAPretOUTSAt178$rev.SEAPretOUTSAt178, p=0.975, method="modified")	SEAPESNOt178<-ES(datSEAPretOUTSAt178$rev.SEAPretOUTSAt178, p=0.975, method="gaussian")	SEAPESHIt178	SEAPESMOt178	SEAPESNOt178
SEAPESMOt179<-ES(datSEAPretOUTSAt179$rev.SEAPretOUTSAt179, p=0.975, method="modified")	SEAPESNOt179<-ES(datSEAPretOUTSAt179$rev.SEAPretOUTSAt179, p=0.975, method="gaussian")	SEAPESHIt179	SEAPESMOt179	SEAPESNOt179
SEAPESMOt180<-ES(datSEAPretOUTSAt180$rev.SEAPretOUTSAt180, p=0.975, method="modified")	SEAPESNOt180<-ES(datSEAPretOUTSAt180$rev.SEAPretOUTSAt180, p=0.975, method="gaussian")	SEAPESHIt180	SEAPESMOt180	SEAPESNOt180
SEAPESMOt181<-ES(datSEAPretOUTSAt181$rev.SEAPretOUTSAt181, p=0.975, method="modified")	SEAPESNOt181<-ES(datSEAPretOUTSAt181$rev.SEAPretOUTSAt181, p=0.975, method="gaussian")	SEAPESHIt181	SEAPESMOt181	SEAPESNOt181
BITCESMOt1<-ES(datBITCretOUTSAt1$rev.BITCretOUTSAt1, p=0.975, method="modified")	BITCESNOt1<-ES(datBITCretOUTSAt1$rev.BITCretOUTSAt1, p=0.975, method="gaussian")	BITCESHIt1	BITCESMOt1	BITCESNOt1
BITCESMOt2<-ES(datBITCretOUTSAt2$rev.BITCretOUTSAt2, p=0.975, method="modified")	BITCESNOt2<-ES(datBITCretOUTSAt2$rev.BITCretOUTSAt2, p=0.975, method="gaussian")	BITCESHIt2	BITCESMOt2	BITCESNOt2
BITCESMOt3<-ES(datBITCretOUTSAt3$rev.BITCretOUTSAt3, p=0.975, method="modified")	BITCESNOt3<-ES(datBITCretOUTSAt3$rev.BITCretOUTSAt3, p=0.975, method="gaussian")	BITCESHIt3	BITCESMOt3	BITCESNOt3

BITCESMDt118<-ES(datBITCretOUTSAt118$rev.BITCretOUTSAt118, p=0.975, method="modified")	BITCESNOt118<-ES(datBITCretOUTSAt118$rev.BITCretOUTSAt118, p=0.975, method="gaussian")	BITCESHIt118	BITCESMDt118	BITCESNDt118
BITCESMDt119<-ES(datBITCretOUTSAt119$rev.BITCretOUTSAt119, p=0.975, method="modified")	BITCESNOt119<-ES(datBITCretOUTSAt119$rev.BITCretOUTSAt119, p=0.975, method="gaussian")	BITCESHIt119	BITCESMDt119	BITCESNDt119
BITCESMDt120<-ES(datBITCretOUTSAt120$rev.BITCretOUTSAt120, p=0.975, method="modified")	BITCESNOt120<-ES(datBITCretOUTSAt120$rev.BITCretOUTSAt120, p=0.975, method="gaussian")	BITCESHIt120	BITCESMDt120	BITCESNDt120
BITCESMDt121<-ES(datBITCretOUTSAt121$rev.BITCretOUTSAt121, p=0.975, method="modified")	BITCESNOt121<-ES(datBITCretOUTSAt121$rev.BITCretOUTSAt121, p=0.975, method="gaussian")	BITCESHIt121	BITCESMDt121	BITCESNDt121
BITCESMDt122<-ES(datBITCretOUTSAt122$rev.BITCretOUTSAt122, p=0.975, method="modified")	BITCESNOt122<-ES(datBITCretOUTSAt122$rev.BITCretOUTSAt122, p=0.975, method="gaussian")	BITCESHIt122	BITCESMDt122	BITCESNDt122
BITCESMDt123<-ES(datBITCretOUTSAt123$rev.BITCretOUTSAt123, p=0.975, method="modified")	BITCESNOt123<-ES(datBITCretOUTSAt123$rev.BITCretOUTSAt123, p=0.975, method="gaussian")	BITCESHIt123	BITCESMDt123	BITCESNDt123
BITCESMDt124<-ES(datBITCretOUTSAt124$rev.BITCretOUTSAt124, p=0.975, method="modified")	BITCESNOt124<-ES(datBITCretOUTSAt124$rev.BITCretOUTSAt124, p=0.975, method="gaussian")	BITCESHIt124	BITCESMDt124	BITCESNDt124
BITCESMDt125<-ES(datBITCretOUTSAt125$rev.BITCretOUTSAt125, p=0.975, method="modified")	BITCESNOt125<-ES(datBITCretOUTSAt125$rev.BITCretOUTSAt125, p=0.975, method="gaussian")	BITCESHIt125	BITCESMDt125	BITCESNDt125
BITCESMDt126<-ES(datBITCretOUTSAt126$rev.BITCretOUTSAt126, p=0.975, method="modified")	BITCESNOt126<-ES(datBITCretOUTSAt126$rev.BITCretOUTSAt126, p=0.975, method="gaussian")	BITCESHIt126	BITCESMDt126	BITCESNDt126
BITCESMDt127<-ES(datBITCretOUTSAt127$rev.BITCretOUTSAt127, p=0.975, method="modified")	BITCESNOt127<-ES(datBITCretOUTSAt127$rev.BITCretOUTSAt127, p=0.975, method="gaussian")	BITCESHIt127	BITCESMDt127	BITCESNDt127
BITCESMDt128<-ES(datBITCretOUTSAt128$rev.BITCretOUTSAt128, p=0.975, method="modified")	BITCESNOt128<-ES(datBITCretOUTSAt128$rev.BITCretOUTSAt128, p=0.975, method="gaussian")	BITCESHIt128	BITCESMDt128	BITCESNDt128
BITCESMDt129<-ES(datBITCretOUTSAt129$rev.BITCretOUTSAt129, p=0.975, method="modified")	BITCESNOt129<-ES(datBITCretOUTSAt129$rev.BITCretOUTSAt129, p=0.975, method="gaussian")	BITCESHIt129	BITCESMDt129	BITCESNDt129
BITCESMDt130<-ES(datBITCretOUTSAt130$rev.BITCretOUTSAt130, p=0.975, method="modified")	BITCESNOt130<-ES(datBITCretOUTSAt130$rev.BITCretOUTSAt130, p=0.975, method="gaussian")	BITCESHIt130	BITCESMDt130	BITCESNDt130
BITCESMDt131<-ES(datBITCretOUTSAt131$rev.BITCretOUTSAt131, p=0.975, method="modified")	BITCESNOt131<-ES(datBITCretOUTSAt131$rev.BITCretOUTSAt131, p=0.975, method="gaussian")	BITCESHIt131	BITCESMDt131	BITCESNDt131
BITCESMDt132<-ES(datBITCretOUTSAt132$rev.BITCretOUTSAt132, p=0.975, method="modified")	BITCESNOt132<-ES(datBITCretOUTSAt132$rev.BITCretOUTSAt132, p=0.975, method="gaussian")	BITCESHIt132	BITCESMDt132	BITCESNDt132
BITCESMDt133<-ES(datBITCretOUTSAt133$rev.BITCretOUTSAt133, p=0.975, method="modified")	BITCESNOt133<-ES(datBITCretOUTSAt133$rev.BITCretOUTSAt133, p=0.975, method="gaussian")	BITCESHIt133	BITCESMDt133	BITCESNDt133
BITCESMDt134<-ES(datBITCretOUTSAt134$rev.BITCretOUTSAt134, p=0.975, method="modified")	BITCESNOt134<-ES(datBITCretOUTSAt134$rev.BITCretOUTSAt134, p=0.975, method="gaussian")	BITCESHIt134	BITCESMDt134	BITCESNDt134
BITCESMDt135<-ES(datBITCretOUTSAt135$rev.BITCretOUTSAt135, p=0.975, method="modified")	BITCESNOt135<-ES(datBITCretOUTSAt135$rev.BITCretOUTSAt135, p=0.975, method="gaussian")	BITCESHIt135	BITCESMDt135	BITCESNDt135
BITCESMDt136<-ES(datBITCretOUTSAt136$rev.BITCretOUTSAt136, p=0.975, method="modified")	BITCESNOt136<-ES(datBITCretOUTSAt136$rev.BITCretOUTSAt136, p=0.975, method="gaussian")	BITCESHIt136	BITCESMDt136	BITCESNDt136
BITCESMDt137<-ES(datBITCretOUTSAt137$rev.BITCretOUTSAt137, p=0.975, method="modified")	BITCESNOt137<-ES(datBITCretOUTSAt137$rev.BITCretOUTSAt137, p=0.975, method="gaussian")	BITCESHIt137	BITCESMDt137	BITCESNDt137
BITCESMDt138<-ES(datBITCretOUTSAt138$rev.BITCretOUTSAt138, p=0.975, method="modified")	BITCESNOt138<-ES(datBITCretOUTSAt138$rev.BITCretOUTSAt138, p=0.975, method="gaussian")	BITCESHIt138	BITCESMDt138	BITCESNDt138
BITCESMDt139<-ES(datBITCretOUTSAt139$rev.BITCretOUTSAt139, p=0.975, method="modified")	BITCESNOt139<-ES(datBITCretOUTSAt139$rev.BITCretOUTSAt139, p=0.975, method="gaussian")	BITCESHIt139	BITCESMDt139	BITCESNDt139
BITCESMDt140<-ES(datBITCretOUTSAt140$rev.BITCretOUTSAt140, p=0.975, method="modified")	BITCESNOt140<-ES(datBITCretOUTSAt140$rev.BITCretOUTSAt140, p=0.975, method="gaussian")	BITCESHIt140	BITCESMDt140	BITCESNDt140
BITCESMDt141<-ES(datBITCretOUTSAt141$rev.BITCretOUTSAt141, p=0.975, method="modified")	BITCESNOt141<-ES(datBITCretOUTSAt141$rev.BITCretOUTSAt141, p=0.975, method="gaussian")	BITCESHIt141	BITCESMDt141	BITCESNDt141
BITCESMDt142<-ES(datBITCretOUTSAt142$rev.BITCretOUTSAt142, p=0.975, method="modified")	BITCESNOt142<-ES(datBITCretOUTSAt142$rev.BITCretOUTSAt142, p=0.975, method="gaussian")	BITCESHIt142	BITCESMDt142	BITCESNDt142
BITCESMDt143<-ES(datBITCretOUTSAt143$rev.BITCretOUTSAt143, p=0.975, method="modified")	BITCESNOt143<-ES(datBITCretOUTSAt143$rev.BITCretOUTSAt143, p=0.975, method="gaussian")	BITCESHIt143	BITCESMDt143	BITCESNDt143
BITCESMDt144<-ES(datBITCretOUTSAt144$rev.BITCretOUTSAt144, p=0.975, method="modified")	BITCESNOt144<-ES(datBITCretOUTSAt144$rev.BITCretOUTSAt144, p=0.975, method="gaussian")	BITCESHIt144	BITCESMDt144	BITCESNDt144
BITCESMDt145<-ES(datBITCretOUTSAt145$rev.BITCretOUTSAt145, p=0.975, method="modified")	BITCESNOt145<-ES(datBITCretOUTSAt145$rev.BITCretOUTSAt145, p=0.975, method="gaussian")	BITCESHIt145	BITCESMDt145	BITCESNDt145
BITCESMDt146<-ES(datBITCretOUTSAt146$rev.BITCretOUTSAt146, p=0.975, method="modified")	BITCESNOt146<-ES(datBITCretOUTSAt146$rev.BITCretOUTSAt146, p=0.975, method="gaussian")	BITCESHIt146	BITCESMDt146	BITCESNDt146
BITCESMDt147<-ES(datBITCretOUTSAt147$rev.BITCretOUTSAt147, p=0.975, method="modified")	BITCESNOt147<-ES(datBITCretOUTSAt147$rev.BITCretOUTSAt147, p=0.975, method="gaussian")	BITCESHIt147	BITCESMDt147	BITCESNDt147
BITCESMDt148<-ES(datBITCretOUTSAt148$rev.BITCretOUTSAt148, p=0.975, method="modified")	BITCESNOt148<-ES(datBITCretOUTSAt148$rev.BITCretOUTSAt148, p=0.975, method="gaussian")	BITCESHIt148	BITCESMDt148	BITCESNDt148
BITCESMDt149<-ES(datBITCretOUTSAt149$rev.BITCretOUTSAt149, p=0.975, method="modified")	BITCESNOt149<-ES(datBITCretOUTSAt149$rev.BITCretOUTSAt149, p=0.975, method="gaussian")	BITCESHIt149	BITCESMDt149	BITCESNDt149
BITCESMDt150<-ES(datBITCretOUTSAt150$rev.BITCretOUTSAt150, p=0.975, method="modified")	BITCESNOt150<-ES(datBITCretOUTSAt150$rev.BITCretOUTSAt150, p=0.975, method="gaussian")	BITCESHIt150	BITCESMDt150	BITCESNDt150
BITCESMDt151<-ES(datBITCretOUTSAt151$rev.BITCretOUTSAt151, p=0.975, method="modified")	BITCESNOt151<-ES(datBITCretOUTSAt151$rev.BITCretOUTSAt151, p=0.975, method="gaussian")	BITCESHIt151	BITCESMDt151	BITCESNDt151
BITCESMDt152<-ES(datBITCretOUTSAt152$rev.BITCretOUTSAt152, p=0.975, method="modified")	BITCESNOt152<-ES(datBITCretOUTSAt152$rev.BITCretOUTSAt152, p=0.975, method="gaussian")	BITCESHIt152	BITCESMDt152	BITCESNDt152
BITCESMDt153<-ES(datBITCretOUTSAt153$rev.BITCretOUTSAt153, p=0.975, method="modified")	BITCESNOt153<-ES(datBITCretOUTSAt153$rev.BITCretOUTSAt153, p=0.975, method="gaussian")	BITCESHIt153	BITCESMDt153	BITCESNDt153
BITCESMDt154<-ES(datBITCretOUTSAt154$rev.BITCretOUTSAt154, p=0.975, method="modified")	BITCESNOt154<-ES(datBITCretOUTSAt154$rev.BITCretOUTSAt154, p=0.975, method="gaussian")	BITCESHIt154	BITCESMDt154	BITCESNDt154
BITCESMDt155<-ES(datBITCretOUTSAt155$rev.BITCretOUTSAt155, p=0.975, method="modified")	BITCESNOt155<-ES(datBITCretOUTSAt155$rev.BITCretOUTSAt155, p=0.975, method="gaussian")	BITCESHIt155	BITCESMDt155	BITCESNDt155
BITCESMDt156<-ES(datBITCretOUTSAt156$rev.BITCretOUTSAt156, p=0.975, method="modified")	BITCESNOt156<-ES(datBITCretOUTSAt156$rev.BITCretOUTSAt156, p=0.975, method="gaussian")	BITCESHIt156	BITCESMDt156	BITCESNDt156
BITCESMDt157<-ES(datBITCretOUTSAt157$rev.BITCretOUTSAt157, p=0.975, method="modified")	BITCESNOt157<-ES(datBITCretOUTSAt157$rev.BITCretOUTSAt157, p=0.975, method="gaussian")	BITCESHIt157	BITCESMDt157	BITCESNDt157
BITCESMDt158<-ES(datBITCretOUTSAt158$rev.BITCretOUTSAt158, p=0.975, method="modified")	BITCESNOt158<-ES(datBITCretOUTSAt158$rev.BITCretOUTSAt158, p=0.975, method="gaussian")	BITCESHIt158	BITCESMDt158	BITCESNDt158
BITCESMDt159<-ES(datBITCretOUTSAt159$rev.BITCretOUTSAt159, p=0.975, method="modified")	BITCESNOt159<-ES(datBITCretOUTSAt159$rev.BITCretOUTSAt159, p=0.975, method="gaussian")	BITCESHIt159	BITCESMDt159	BITCESNDt159
BITCESMDt160<-ES(datBITCretOUTSAt160$rev.BITCretOUTSAt160, p=0.975, method="modified")	BITCESNOt160<-ES(datBITCretOUTSAt160$rev.BITCretOUTSAt160, p=0.975, method="gaussian")	BITCESHIt160	BITCESMDt160	BITCESNDt160
BITCESMDt161<-ES(datBITCretOUTSAt161$rev.BITCretOUTSAt161, p=0.975, method="modified")	BITCESNOt161<-ES(datBITCretOUTSAt161$rev.BITCretOUTSAt161, p=0.975, method="gaussian")	BITCESHIt161	BITCESMDt161	BITCESNDt161
BITCESMDt162<-ES(datBITCretOUTSAt162$rev.BITCretOUTSAt162, p=0.975, method="modified")	BITCESNOt162<-ES(datBITCretOUTSAt162$rev.BITCretOUTSAt162, p=0.975, method="gaussian")	BITCESHIt162	BITCESMDt162	BITCESNDt162
BITCESMDt163<-ES(datBITCretOUTSAt163$rev.BITCretOUTSAt163, p=0.975, method="modified")	BITCESNOt163<-ES(datBITCretOUTSAt163$rev.BITCretOUTSAt163, p=0.975, method="gaussian")	BITCESHIt163	BITCESMDt163	BITCESNDt163
BITCESMDt164<-ES(datBITCretOUTSAt164$rev.BITCretOUTSAt164, p=0.975, method="modified")	BITCESNOt164<-ES(datBITCretOUTSAt164$rev.BITCretOUTSAt164, p=0.975, method="gaussian")	BITCESHIt164	BITCESMDt164	BITCESNDt164
BITCESMDt165<-ES(datBITCretOUTSAt165$rev.BITCretOUTSAt165, p=0.975, method="modified")	BITCESNOt165<-ES(datBITCretOUTSAt165$rev.BITCretOUTSAt165, p=0.975, method="gaussian")	BITCESHIt165	BITCESMDt165	BITCESNDt165
BITCESMDt166<-ES(datBITCretOUTSAt166$rev.BITCretOUTSAt166, p=0.975, method="modified")	BITCESNOt166<-ES(datBITCretOUTSAt166$rev.BITCretOUTSAt166, p=0.975, method="gaussian")	BITCESHIt166	BITCESMDt166	BITCESNDt166
BITCESMDt167<-ES(datBITCretOUTSAt167$rev.BITCretOUTSAt167, p=0.975, method="modified")	BITCESNOt167<-ES(datBITCretOUTSAt167$rev.BITCretOUTSAt167, p=0.975, method="gaussian")	BITCESHIt167	BITCESMDt167	BITCESNDt167
BITCESMDt168<-ES(datBITCretOUTSAt168$rev.BITCretOUTSAt168, p=0.975, method="modified")	BITCESNOt168<-ES(datBITCretOUTSAt168$rev.BITCretOUTSAt168, p=0.975, method="gaussian")	BITCESHIt168	BITCESMDt168	BITCESNDt168
BITCESMDt169<-ES(datBITCretOUTSAt169$rev.BITCretOUTSAt169, p=0.975, method="modified")	BITCESNOt169<-ES(datBITCretOUTSAt169$rev.BITCretOUTSAt169, p=0.975, method="gaussian")	BITCESHIt169	BITCESMDt169	BITCESNDt169
BITCESMDt170<-ES(datBITCretOUTSAt170$rev.BITCretOUTSAt170, p=0.975, method="modified")	BITCESNOt170<-ES(datBITCretOUTSAt170$rev.BITCretOUTSAt170, p=0.975, method="gaussian")	BITCESHIt170	BITCESMDt170	BITCESNDt170
BITCESMDt171<-ES(datBITCretOUTSAt171$rev.BITCretOUTSAt171, p=0.975, method="modified")	BITCESNOt171<-ES(datBITCretOUTSAt171$rev.BITCretOUTSAt171, p=0.975, method="gaussian")	BITCESHIt171	BITCESMDt171	BITCESNDt171
BITCESMDt172<-ES(datBITCretOUTSAt172$rev.BITCretOUTSAt172, p=0.975, method="modified")	BITCESNOt172<-ES(datBITCretOUTSAt172$rev.BITCretOUTSAt172, p=0.975, method="gaussian")	BITCESHIt172	BITCESMDt172	BITCESNDt172
BITCESMDt173<-ES(datBITCretOUTSAt173$rev.BITCretOUTSAt173, p=0.975, method="modified")	BITCESNOt173<-ES(datBITCretOUTSAt173$rev.BITCretOUTSAt173, p=0.975, method="gaussian")	BITCESHIt173	BITCESMDt173	BITCESNDt173
BITCESMDt174<-ES(datBITCretOUTSAt174$rev.BITCretOUTSAt174, p=0.975, method="modified")	BITCESNOt174<-ES(datBITCretOUTSAt174$rev.BITCretOUTSAt174, p=0.975, method="gaussian")	BITCESHIt174	BITCESMDt174	BITCESNDt174
BITCESMDt175<-ES(datBITCretOUTSAt175$rev.BITCretOUTSAt175, p=0.975, method="modified")	BITCESNOt175<-ES(datBITCretOUTSAt175$rev.BITCretOUTSAt175, p=0.975, method="gaussian")	BITCESHIt175	BITCESMDt175	BITCESNDt175
BITCESMDt176<-ES(datBITCretOUTSAt176$rev.BITCretOUTSAt176, p=0.975, method="modified")	BITCESNOt176<-ES(datBITCretOUTSAt176$rev.BITCretOUTSAt176, p=0.975, method="gaussian")	BITCESHIt176	BITCESMDt176	BITCESNDt176
BITCESMDt177<-ES(datBITCretOUTSAt177$rev.BITCretOUTSAt177, p=0.975, method="modified")	BITCESNOt177<-ES(datBITCretOUTSAt177$rev.BITCretOUTSAt177, p=0.975, method="gaussian")	BITCESHIt177	BITCESMDt177	BITCESNDt177
BITCESMDt178<-ES(datBITCretOUTSAt178$rev.BITCretOUTSAt178, p=0.975, method="modified")	BITCESNOt178<-ES(datBITCretOUTSAt178$rev.BITCretOUTSAt178, p=0.975, method="gaussian")	BITCESHIt178	BITCESMDt178	BITCESNDt178
BITCESMDt179<-ES(datBITCretOUTSAt179$rev.BITCretOUTSAt179, p=0.975, method="modified")	BITCESNOt179<-ES(datBITCretOUTSAt179$rev.BITCretOUTSAt179, p=0.975, method="gaussian")	BITCESHIt179	BITCESMDt179	BITCESNDt179
BITCESMDt180<-ES(datBITCretOUTSAt180$rev.BITCretOUTSAt180, p=0.975, method="modified")	BITCESNOt180<-ES(datBITCretOUTSAt180$rev.BITCretOUTSAt180, p=0.975, method="gaussian")	BITCESHIt180	BITCESMDt180	BITCESNDt180
BITCESMDt181<-ES(datBITCretOUTSAt181$rev.BITCretOUTSAt181, p=0.975, method="modified")	BITCESNOt181<-ES(datBITCretOUTSAt181$rev.BITCretOUTSAt181, p=0.975, method="gaussian")	BITCESHIt181	BITCESMDt181	BITCESNDt181
LITCESMDt1<-ES(datLITCretOUTSAt1$rev.LITCretOUTSAt1, p=0.975, method="modified")	LITCESNOt1<-ES(datLITCretOUTSAt1$rev.LITCretOUTSAt1, p=0.975, method="gaussian")	LITCESHIt1	LITCESMDt1	LITCESNDt1
LITCESMDt2<-ES(datLITCretOUTSAt2$rev.LITCretOUTSAt2, p=0.975, method="modified")	LITCESNOt2<-ES(datLITCretOUTSAt2$rev.LITCretOUTSAt2, p=0.975, method="gaussian")	LITCESHIt2	LITCESMDt2	LITCESNDt2
LITCESMDt3<-ES(datLITCretOUTSAt3$rev.LITCretOUTSAt3, p=0.975, method="modified")	LITCESNOt3<-ES(datLITCretOUTSAt3$rev.LITCretOUTSAt3, p=0.975, method="gaussian")	LITCESHIt3	LITCESMDt3	LITCESNDt3

LITCESMDt64<-ES(datLITCretOUTSAt64$rev.LITCretOUTSAt64, p=0.975, method="modified")	LITCESNDt64<-ES(datLITCretOUTSAt64$rev.LITCretOUTSAt64, p=0.975, method="gaussian")	LITCESHIt64	LITCESMDt64	LITCESNDt64
LITCESMDt65<-ES(datLITCretOUTSAt65$rev.LITCretOUTSAt65, p=0.975, method="modified")	LITCESNDt65<-ES(datLITCretOUTSAt65$rev.LITCretOUTSAt65, p=0.975, method="gaussian")	LITCESHIt65	LITCESMDt65	LITCESNDt65
LITCESMDt66<-ES(datLITCretOUTSAt66$rev.LITCretOUTSAt66, p=0.975, method="modified")	LITCESNDt66<-ES(datLITCretOUTSAt66$rev.LITCretOUTSAt66, p=0.975, method="gaussian")	LITCESHIt66	LITCESMDt66	LITCESNDt66

GREXESMOt10<-ES(datGREXretOUTSAt10$rev.GREXretOUTSAt10, p=0.975, method="modified")	GREXESNOt10<-ES(datGREXretOUTSAt10$rev.GREXretOUTSAt10, p=0.975, method="gaussian")	GREXESHIt10	GREXESMOt10	GREXESNOt10
GREXESMOt11<-ES(datGREXretOUTSAt11$rev.GREXretOUTSAt11, p=0.975, method="modified")	GREXESNOt11<-ES(datGREXretOUTSAt11$rev.GREXretOUTSAt11, p=0.975, method="gaussian")	GREXESHIt11	GREXESMOt11	GREXESNOt11
GREXESMOt12<-ES(datGREXretOUTSAt12$rev.GREXretOUTSAt12, p=0.975, method="modified")	GREXESNOt12<-ES(datGREXretOUTSAt12$rev.GREXretOUTSAt12, p=0.975, method="gaussian")	GREXESHIt12	GREXESMOt12	GREXESNOt12

GREXESMOt139<-ES(datGREXretOUTSAt139$rev.GREXretOUTSAt139, p=0.975, method="modified")	GREXESNOt139<-ES(datGREXretOUTSAt139$rev.GREXretOUTSAt139, p=0.975, method="gaussian")	GREXESHIt139	GREXESMOt139	GREXESNOt139
GREXESMOt140<-ES(datGREXretOUTSAt140$rev.GREXretOUTSAt140, p=0.975, method="modified")	GREXESNOt140<-ES(datGREXretOUTSAt140$rev.GREXretOUTSAt140, p=0.975, method="gaussian")	GREXESHIt140	GREXESMOt140	GREXESNOt140
GREXESMOt141<-ES(datGREXretOUTSAt141$rev.GREXretOUTSAt141, p=0.975, method="modified")	GREXESNOt141<-ES(datGREXretOUTSAt141$rev.GREXretOUTSAt141, p=0.975, method="gaussian")	GREXESHIt141	GREXESMOt141	GREXESNOt141
GREXESMOt142<-ES(datGREXretOUTSAt142$rev.GREXretOUTSAt142, p=0.975, method="modified")	GREXESNOt142<-ES(datGREXretOUTSAt142$rev.GREXretOUTSAt142, p=0.975, method="gaussian")	GREXESHIt142	GREXESMOt142	GREXESNOt142
GREXESMOt143<-ES(datGREXretOUTSAt143$rev.GREXretOUTSAt143, p=0.975, method="modified")	GREXESNOt143<-ES(datGREXretOUTSAt143$rev.GREXretOUTSAt143, p=0.975, method="gaussian")	GREXESHIt143	GREXESMOt143	GREXESNOt143
GREXESMOt144<-ES(datGREXretOUTSAt144$rev.GREXretOUTSAt144, p=0.975, method="modified")	GREXESNOt144<-ES(datGREXretOUTSAt144$rev.GREXretOUTSAt144, p=0.975, method="gaussian")	GREXESHIt144	GREXESMOt144	GREXESNOt144
GREXESMOt145<-ES(datGREXretOUTSAt145$rev.GREXretOUTSAt145, p=0.975, method="modified")	GREXESNOt145<-ES(datGREXretOUTSAt145$rev.GREXretOUTSAt145, p=0.975, method="gaussian")	GREXESHIt145	GREXESMOt145	GREXESNOt145
GREXESMOt146<-ES(datGREXretOUTSAt146$rev.GREXretOUTSAt146, p=0.975, method="modified")	GREXESNOt146<-ES(datGREXretOUTSAt146$rev.GREXretOUTSAt146, p=0.975, method="gaussian")	GREXESHIt146	GREXESMOt146	GREXESNOt146
GREXESMOt147<-ES(datGREXretOUTSAt147$rev.GREXretOUTSAt147, p=0.975, method="modified")	GREXESNOt147<-ES(datGREXretOUTSAt147$rev.GREXretOUTSAt147, p=0.975, method="gaussian")	GREXESHIt147	GREXESMOt147	GREXESNOt147
GREXESMOt148<-ES(datGREXretOUTSAt148$rev.GREXretOUTSAt148, p=0.975, method="modified")	GREXESNOt148<-ES(datGREXretOUTSAt148$rev.GREXretOUTSAt148, p=0.975, method="gaussian")	GREXESHIt148	GREXESMOt148	GREXESNOt148
GREXESMOt149<-ES(datGREXretOUTSAt149$rev.GREXretOUTSAt149, p=0.975, method="modified")	GREXESNOt149<-ES(datGREXretOUTSAt149$rev.GREXretOUTSAt149, p=0.975, method="gaussian")	GREXESHIt149	GREXESMOt149	GREXESNOt149
GREXESMOt150<-ES(datGREXretOUTSAt150$rev.GREXretOUTSAt150, p=0.975, method="modified")	GREXESNOt150<-ES(datGREXretOUTSAt150$rev.GREXretOUTSAt150, p=0.975, method="gaussian")	GREXESHIt150	GREXESMOt150	GREXESNOt150
GREXESMOt151<-ES(datGREXretOUTSAt151$rev.GREXretOUTSAt151, p=0.975, method="modified")	GREXESNOt151<-ES(datGREXretOUTSAt151$rev.GREXretOUTSAt151, p=0.975, method="gaussian")	GREXESHIt151	GREXESMOt151	GREXESNOt151
GREXESMOt152<-ES(datGREXretOUTSAt152$rev.GREXretOUTSAt152, p=0.975, method="modified")	GREXESNOt152<-ES(datGREXretOUTSAt152$rev.GREXretOUTSAt152, p=0.975, method="gaussian")	GREXESHIt152	GREXESMOt152	GREXESNOt152
GREXESMOt153<-ES(datGREXretOUTSAt153$rev.GREXretOUTSAt153, p=0.975, method="modified")	GREXESNOt153<-ES(datGREXretOUTSAt153$rev.GREXretOUTSAt153, p=0.975, method="gaussian")	GREXESHIt153	GREXESMOt153	GREXESNOt153
GREXESMOt154<-ES(datGREXretOUTSAt154$rev.GREXretOUTSAt154, p=0.975, method="modified")	GREXESNOt154<-ES(datGREXretOUTSAt154$rev.GREXretOUTSAt154, p=0.975, method="gaussian")	GREXESHIt154	GREXESMOt154	GREXESNOt154
GREXESMOt155<-ES(datGREXretOUTSAt155$rev.GREXretOUTSAt155, p=0.975, method="modified")	GREXESNOt155<-ES(datGREXretOUTSAt155$rev.GREXretOUTSAt155, p=0.975, method="gaussian")	GREXESHIt155	GREXESMOt155	GREXESNOt155
GREXESMOt156<-ES(datGREXretOUTSAt156$rev.GREXretOUTSAt156, p=0.975, method="modified")	GREXESNOt156<-ES(datGREXretOUTSAt156$rev.GREXretOUTSAt156, p=0.975, method="gaussian")	GREXESHIt156	GREXESMOt156	GREXESNOt156
GREXESMOt157<-ES(datGREXretOUTSAt157$rev.GREXretOUTSAt157, p=0.975, method="modified")	GREXESNOt157<-ES(datGREXretOUTSAt157$rev.GREXretOUTSAt157, p=0.975, method="gaussian")	GREXESHIt157	GREXESMOt157	GREXESNOt157
GREXESMOt158<-ES(datGREXretOUTSAt158$rev.GREXretOUTSAt158, p=0.975, method="modified")	GREXESNOt158<-ES(datGREXretOUTSAt158$rev.GREXretOUTSAt158, p=0.975, method="gaussian")	GREXESHIt158	GREXESMOt158	GREXESNOt158
GREXESMOt159<-ES(datGREXretOUTSAt159$rev.GREXretOUTSAt159, p=0.975, method="modified")	GREXESNOt159<-ES(datGREXretOUTSAt159$rev.GREXretOUTSAt159, p=0.975, method="gaussian")	GREXESHIt159	GREXESMOt159	GREXESNOt159
GREXESMOt160<-ES(datGREXretOUTSAt160$rev.GREXretOUTSAt160, p=0.975, method="modified")	GREXESNOt160<-ES(datGREXretOUTSAt160$rev.GREXretOUTSAt160, p=0.975, method="gaussian")	GREXESHIt160	GREXESMOt160	GREXESNOt160
GREXESMOt161<-ES(datGREXretOUTSAt161$rev.GREXretOUTSAt161, p=0.975, method="modified")	GREXESNOt161<-ES(datGREXretOUTSAt161$rev.GREXretOUTSAt161, p=0.975, method="gaussian")	GREXESHIt161	GREXESMOt161	GREXESNOt161
GREXESMOt162<-ES(datGREXretOUTSAt162$rev.GREXretOUTSAt162, p=0.975, method="modified")	GREXESNOt162<-ES(datGREXretOUTSAt162$rev.GREXretOUTSAt162, p=0.975, method="gaussian")	GREXESHIt162	GREXESMOt162	GREXESNOt162
GREXESMOt163<-ES(datGREXretOUTSAt163$rev.GREXretOUTSAt163, p=0.975, method="modified")	GREXESNOt163<-ES(datGREXretOUTSAt163$rev.GREXretOUTSAt163, p=0.975, method="gaussian")	GREXESHIt163	GREXESMOt163	GREXESNOt163
GREXESMOt164<-ES(datGREXretOUTSAt164$rev.GREXretOUTSAt164, p=0.975, method="modified")	GREXESNOt164<-ES(datGREXretOUTSAt164$rev.GREXretOUTSAt164, p=0.975, method="gaussian")	GREXESHIt164	GREXESMOt164	GREXESNOt164
GREXESMOt165<-ES(datGREXretOUTSAt165$rev.GREXretOUTSAt165, p=0.975, method="modified")	GREXESNOt165<-ES(datGREXretOUTSAt165$rev.GREXretOUTSAt165, p=0.975, method="gaussian")	GREXESHIt165	GREXESMOt165	GREXESNOt165
GREXESMOt166<-ES(datGREXretOUTSAt166$rev.GREXretOUTSAt166, p=0.975, method="modified")	GREXESNOt166<-ES(datGREXretOUTSAt166$rev.GREXretOUTSAt166, p=0.975, method="gaussian")	GREXESHIt166	GREXESMOt166	GREXESNOt166
GREXESMOt167<-ES(datGREXretOUTSAt167$rev.GREXretOUTSAt167, p=0.975, method="modified")	GREXESNOt167<-ES(datGREXretOUTSAt167$rev.GREXretOUTSAt167, p=0.975, method="gaussian")	GREXESHIt167	GREXESMOt167	GREXESNOt167
GREXESMOt168<-ES(datGREXretOUTSAt168$rev.GREXretOUTSAt168, p=0.975, method="modified")	GREXESNOt168<-ES(datGREXretOUTSAt168$rev.GREXretOUTSAt168, p=0.975, method="gaussian")	GREXESHIt168	GREXESMOt168	GREXESNOt168
GREXESMOt169<-ES(datGREXretOUTSAt169$rev.GREXretOUTSAt169, p=0.975, method="modified")	GREXESNOt169<-ES(datGREXretOUTSAt169$rev.GREXretOUTSAt169, p=0.975, method="gaussian")	GREXESHIt169	GREXESMOt169	GREXESNOt169
GREXESMOt170<-ES(datGREXretOUTSAt170$rev.GREXretOUTSAt170, p=0.975, method="modified")	GREXESNOt170<-ES(datGREXretOUTSAt170$rev.GREXretOUTSAt170, p=0.975, method="gaussian")	GREXESHIt170	GREXESMOt170	GREXESNOt170
GREXESMOt171<-ES(datGREXretOUTSAt171$rev.GREXretOUTSAt171, p=0.975, method="modified")	GREXESNOt171<-ES(datGREXretOUTSAt171$rev.GREXretOUTSAt171, p=0.975, method="gaussian")	GREXESHIt171	GREXESMOt171	GREXESNOt171
GREXESMOt172<-ES(datGREXretOUTSAt172$rev.GREXretOUTSAt172, p=0.975, method="modified")	GREXESNOt172<-ES(datGREXretOUTSAt172$rev.GREXretOUTSAt172, p=0.975, method="gaussian")	GREXESHIt172	GREXESMOt172	GREXESNOt172
GREXESMOt173<-ES(datGREXretOUTSAt173$rev.GREXretOUTSAt173, p=0.975, method="modified")	GREXESNOt173<-ES(datGREXretOUTSAt173$rev.GREXretOUTSAt173, p=0.975, method="gaussian")	GREXESHIt173	GREXESMOt173	GREXESNOt173
GREXESMOt174<-ES(datGREXretOUTSAt174$rev.GREXretOUTSAt174, p=0.975, method="modified")	GREXESNOt174<-ES(datGREXretOUTSAt174$rev.GREXretOUTSAt174, p=0.975, method="gaussian")	GREXESHIt174	GREXESMOt174	GREXESNOt174
GREXESMOt175<-ES(datGREXretOUTSAt175$rev.GREXretOUTSAt175, p=0.975, method="modified")	GREXESNOt175<-ES(datGREXretOUTSAt175$rev.GREXretOUTSAt175, p=0.975, method="gaussian")	GREXESHIt175	GREXESMOt175	GREXESNOt175
GREXESMOt176<-ES(datGREXretOUTSAt176$rev.GREXretOUTSAt176, p=0.975, method="modified")	GREXESNOt176<-ES(datGREXretOUTSAt176$rev.GREXretOUTSAt176, p=0.975, method="gaussian")	GREXESHIt176	GREXESMOt176	GREXESNOt176
GREXESMOt177<-ES(datGREXretOUTSAt177$rev.GREXretOUTSAt177, p=0.975, method="modified")	GREXESNOt177<-ES(datGREXretOUTSAt177$rev.GREXretOUTSAt177, p=0.975, method="gaussian")	GREXESHIt177	GREXESMOt177	GREXESNOt177
GREXESMOt178<-ES(datGREXretOUTSAt178$rev.GREXretOUTSAt178, p=0.975, method="modified")	GREXESNOt178<-ES(datGREXretOUTSAt178$rev.GREXretOUTSAt178, p=0.975, method="gaussian")	GREXESHIt178	GREXESMOt178	GREXESNOt178
GREXESMOt179<-ES(datGREXretOUTSAt179$rev.GREXretOUTSAt179, p=0.975, method="modified")	GREXESNOt179<-ES(datGREXretOUTSAt179$rev.GREXretOUTSAt179, p=0.975, method="gaussian")	GREXESHIt179	GREXESMOt179	GREXESNOt179
GREXESMOt180<-ES(datGREXretOUTSAt180$rev.GREXretOUTSAt180, p=0.975, method="modified")	GREXESNOt180<-ES(datGREXretOUTSAt180$rev.GREXretOUTSAt180, p=0.975, method="gaussian")	GREXESHIt180	GREXESMOt180	GREXESNOt180
GREXESMOt181<-ES(datGREXretOUTSAt181$rev.GREXretOUTSAt181, p=0.975, method="modified")	GREXESNOt181<-ES(datGREXretOUTSAt181$rev.GREXretOUTSAt181, p=0.975, method="gaussian")	GREXESHIt181	GREXESMOt181	GREXESNOt181

DAXPESMOt1<-ES(datDAXPretOUTSAt1$rev.DAXPretOUTSAt1, p=0.975, method="modified")	DAXPESNOt1<-ES(datDAXPretOUTSAt1$rev.DAXPretOUTSAt1, p=0.975, method="gaussian")	DAXPESHIt1	DAXPESMOt1	DAXPESNOt1
DAXPESMOt2<-ES(datDAXPretOUTSAt2$rev.DAXPretOUTSAt2, p=0.975, method="modified")	DAXPESNOt2<-ES(datDAXPretOUTSAt2$rev.DAXPretOUTSAt2, p=0.975, method="gaussian")	DAXPESHIt2	DAXPESMOt2	DAXPESNOt2
DAXPESMOt3<-ES(datDAXPretOUTSAt3$rev.DAXPretOUTSAt3, p=0.975, method="modified")	DAXPESNOt3<-ES(datDAXPretOUTSAt3$rev.DAXPretOUTSAt3, p=0.975, method="gaussian")	DAXPESHIt3	DAXPESMOt3	DAXPESNOt3

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DAXPESMOt85<-ES(datDAXPretOUTSAt85$rev.DAXPretOUTSAt85, p=0.975, method="modified")
DAXPESMOt86<-ES(datDAXPretOUTSAt86$rev.DAXPretOUTSAt86, p=0.975, method="modified")
DAXPESMOt87<-ES(datDAXPretOUTSAt87$rev.DAXPretOUTSAt87, p=0.975, method="modified")
DAXPESMOt88<-ES(datDAXPretOUTSAt88$rev.DAXPretOUTSAt88, p=0.975, method="modified")
DAXPESMOt89<-ES(datDAXPretOUTSAt89$rev.DAXPretOUTSAt89, p=0.975, method="modified")
DAXPESMOt90<-ES(datDAXPretOUTSAt90$rev.DAXPretOUTSAt90, p=0.975, method="modified")
DAXPESMOt91<-ES(datDAXPretOUTSAt91$rev.DAXPretOUTSAt91, p=0.975, method="modified")
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SEBEESHI<- rbind(SEBEESHIt1, SEBEESHIt2, SEBEESHIt3, SEBEESHIt4, SEBEESHIt5, SEBEESHIt6, SEBEESHIt7, SEBEESHIt8, SEBEESHIt9, SEBEESHIt10, SEBEESHIt11, SEBEESHIt12, SEBEESHIt13, SEBEESHIt14, SEBEESHIt15, SEBEESHIt16, SEBEESHIt17, SEBEESHIt18, SEBEESHIt19,
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SEAPESHI<- rbind(SEAPESHIt1, SEAPESHIt2, SEAPESHIt3, SEAPESHIt4, SEAPESHIt5, SEAPESHIt6, SEAPESHIt7, SEAPESHIt8, SEAPESHIt9, SEAPESHIt10, SEAPESHIt11, SEAPESHIt12, SEAPESHIt13, SEAPESHIt14, SEAPESHIt15, SEAPESHIt16, SEAPESHIt17, SEAPESHIt18, SEAPESHIt19,
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BITCESHI<- rbind(BITCESHIt1, BITCESHIt2, BITCESHIt3, BITCESHIt4, BITCESHIt5, BITCESHIt6, BITCESHIt7, BITCESHIt8, BITCESHIt9, BITCESHIt10, BITCESHIt11, BITCESHIt12, BITCESHIt13, BITCESHIt14, BITCESHIt15, BITCESHIt16, BITCESHIt17, BITCESHIt18, BITCESHIt19,
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Exract Data

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SEOESHI, SEAIESHI, SEISESHI, SEREESHI, SEAEESHI, SESOESHI, SETEESHI, SEBEESHI, SEETESHI, SECHESHI, SEAPESHI, BITCESHI, LITCESHI, GREXESHI, DAXPESHI)
ESTNO <-cbind(DJACESNO, DJALESNO, DJCCESNO, DJCFESNO, DJCPESNO, DJCTESNO, DJLEESNO, DJGOESNO, DJNIESNO, DJSIESNO, DJSUESNO, DJWEESNO, DJZIESNO, DJLHESNO, DJNGESNO, DJPEESNO, DJSOESNO, SEFPESNO, SEECESNO, SEFLESNO, SEUTESNO, SETRESNO, SEMOESNO, SEOGESNO,
SEOESNO, SEAIESNO, SEISESNO, SEREESNO, SEAEESNO, SESOESNO, SETEESNO, SEBEESNO, S
```

DIGITAL APPENDIX Q

Q_[RESULTS]_Chapter 4.7._Expected Shortfall and Value at Risk Results

ESST GARCH

	DJAce11gedESST	DJAce12gedESST	DJAce11stdESST	DJAce12stdESST	DJAce11norESST	DJAce12norESST	DJAce21norESST	DJAls11gedESST	DJAle11gedESST	DJAle12gedESST	DJAlc11gedESST	DJAle11stdESST	DJAlg11stdESST	DJAle11norESST	DJAle12norESST	DJCce11gedESST	DJCce12gedESST	DJCcs11stdESST
T+1	-0.023922751	-0.023908745	-0.060735459	-0.055013458	-0.022864154	-0.022873049	-0.022970165	-0.029577565	-0.029338783	-0.017164469	-0.021857519	-0.035612661	-0.03444904	-0.026921018	-0.026422934	-0.04393481	-0.041333881	-0.044728706
T+2	-0.023399312	-0.024206036	-0.060328872	-0.064601787	-0.022532118	-0.022914717	-0.023019062	-0.028620056	-0.028241397	-0.011004994	-0.036069056	-0.035904878	-0.034997068	-0.026912521	-0.027127328	-0.042343979	-0.044875229	-0.042178739
T+3	-0.023939454	-0.023608422	-0.060434242	-0.055824361	-0.022610183	-0.022730687	-0.023079682	-0.027908074	-0.027737495	-0.013794279	-0.032956845	-0.034706828	-0.034283126	-0.026393273	-0.026250411	-0.043994157	-0.044022403	-0.044222935
T+4	-0.023387665	-0.023998033	-0.060538934	-0.063806463	-0.022687494	-0.022988727	-0.023139737	-0.027581716	-0.027328949	-0.024645981	-0.031129874	-0.03514701	-0.034987153	-0.026421584	-0.026466961	-0.044003868	-0.045950978	-0.044200453
T+5	-0.023381945	-0.023704383	-0.060642951	-0.056933483	-0.022764054	-0.022965191	-0.023199229	-0.027125843	-0.02702453	-0.03613975	-0.031065171	-0.034060014	-0.034367045	-0.026001482	-0.025977656	-0.04407934	-0.042593049	-0.044383183
T+6	-0.023376291	-0.02388505	-0.060746296	-0.063249045	-0.022839868	-0.023109717	-0.023258162	-0.026929166	-0.026739789	-0.032860508	-0.029595995	-0.034574284	-0.035113527	-0.026044275	-0.026061229	-0.044044789	-0.045553306	-0.044410425
T+7	-0.023370705	-0.023737386	-0.060848972	-0.057871608	-0.022914939	-0.023144081	-0.023316539	-0.026564824	-0.026493456	-0.021850105	-0.029312154	-0.033550168	-0.034521466	-0.025697312	-0.025722628	-0.044004034	-0.042894142	-0.044441309
T+8	-0.023365184	-0.023817703	-0.060950981	-0.062873386	-0.022989272	-0.023248415	-0.023374364	-0.026266055	-0.026265028	-0.015699218	-0.029137216	-0.034106785	-0.035273557	-0.025746343	-0.025769394	-0.043955015	-0.045133788	-0.044459445
T+9	-0.02335972	-0.023740304	-0.061052328	-0.058671063	-0.023062867	-0.023306096	-0.023431641	-0.026134696	-0.026060076	-0.015732004	-0.02905723	-0.033124237	-0.034686889	-0.025454021	-0.025505851	-0.043904917	-0.044086649	-0.044476769
T+10	-0.023354336	-0.02377254	-0.061153014	-0.062637233	-0.023135739	-0.023392632	-0.023488372	-0.026056705	-0.025871935	-0.020642784	-0.02900332	-0.033708639	-0.035430469	-0.025500095	-0.025541119	-0.043854317	-0.044785198	-0.044492928
T+11	-0.023349008	-0.023729059	-0.061253043	-0.059358578	-0.023207881	-0.023459149	-0.023544562	-0.025803345	-0.025701237	-0.027041085	-0.028982405	-0.032757384	-0.034844457	-0.025255718	-0.025325152	-0.043803783	-0.043211553	-0.0445089
T+12	-0.023343742	-0.023738345	-0.061352417	-0.062508496	-0.023279302	-0.023537294	-0.023600214	-0.02576391	-0.025545111	-0.028382248	-0.028965742	-0.033362144	-0.035577047	-0.025298938	-0.025355345	-0.043753414	-0.044498151	-0.044524741
T+13	-0.023338539	-0.023711322	-0.06145114	-0.059956008	-0.023350006	-0.02360659	-0.023655332	-0.025548683	-0.025402854	-0.02390226	-0.028961408	-0.03243656	-0.034988995	-0.025092198	-0.025174643	-0.043703258	-0.043286447	-0.044540537
T+14	-0.023333396	-0.023709738	-0.061549215	-0.062462619	-0.023419997	-0.023680302	-0.023709919	-0.025528726	-0.025272841	-0.01935052	-0.028956471	-0.033057204	-0.035710005	-0.025131756	-0.025201369	-0.043653326	-0.042538612	-0.04445563
T+15	-0.023328314	-0.023690781	-0.061646644	-0.060481074	-0.02348928	-0.023749852	-0.023763979	-0.025353484	-0.025154142	-0.018021251	-0.028956545	-0.032153853	-0.035119849	-0.024956397	-0.025048894	-0.043603622	-0.043323249	-0.044572038
T+16	-0.023323292	-0.023684126	-0.061743431	-0.062480705	-0.023557859	-0.023820801	-0.023817516	-0.025365874	-0.025045634	-0.019938434	-0.028955444	-0.032787681	-0.035829606	-0.024992105	-0.025072634	-0.043554145	-0.044055353	-0.044587755
T+17	-0.023318329	-0.023669198	-0.061839578	-0.060948048	-0.023625738	-0.02388956	-0.023870532	-0.025204213	-0.024946456	-0.023377923	-0.028956552	-0.03190376	-0.035237777	-0.024843124	-0.024943511	-0.043504895	-0.043330986	-0.044603449
T+18	-0.023313424	-0.023660257	-0.061935089	-0.062548137	-0.023692923	-0.023958461	-0.023923033	-0.025233377	-0.024855748	-0.02524136	-0.02895678	-0.032548435	-0.035936862	-0.024875084	-0.024964526	-0.043455872	-0.043379831	-0.044619123
T+19	-0.023308576	-0.023647414	-0.062029966	-0.061368371	-0.023759418	-0.024026005	-0.02397502	-0.025090291	-0.024727276	-0.023935963	-0.028958047	-0.031682043	-0.035343909	-0.02474838	-0.024854996	-0.043407073	-0.043316601	-0.044634775
T+20	-0.023303786	-0.023637321	-0.062122413	-0.062352227	-0.023825227	-0.024093172	-0.024026499	-0.025131906	-0.024696849	-0.02132194	-0.02895877	-0.03233577	-0.035032943	-0.024776828	-0.024873524	-0.043358497	-0.043725574	-0.044650406
T+21	-0.023299052	-0.023625825	-0.062217832	-0.061751177	-0.023890356	-0.024159337	-0.024077473	-0.025003501	-0.024627355	-0.01983321	-0.02896004	-0.031485228	-0.035439407	-0.024668994	-0.024780532	-0.043310144	-0.043285434	-0.044666016
T+22	-0.023294373	-0.023615617	-0.062310827	-0.062788181	-0.023954809	-0.024224914	-0.024127946	-0.025054231	-0.024563733	-0.02027428	-0.02896925	-0.032146496	-0.036118977	-0.024694216	-0.024796812	-0.043262012	-0.043587673	-0.044681605
T+23	-0.023289749	-0.023604613	-0.062403201	-0.062103741	-0.02401859	-0.024289645	-0.02417792	-0.024937493	-0.024505474	-0.021983824	-0.028962106	-0.031310369	-0.035525358	-0.024602396	-0.02471782	-0.0432141	-0.043241583	-0.044697173
T+24	-0.02328518	-0.023594393	-0.062494957	-0.062945074	-0.024081705	-0.024353708	-0.0242274	-0.024994774	-0.024452114	-0.023414387	-0.028963112	-0.03197788	-0.036196002	-0.024624693	-0.024732088	-0.043166407	-0.043462397	-0.044712719
T+25	-0.023280664	-0.023583859	-0.062586097	-0.062431838	-0.024144159	-0.024416996	-0.024272639	-0.024903233	-0.024407202	-0.023344702	-0.028962561	-0.03115492	-0.035602748	-0.024544729	-0.024654967	-0.043118931	-0.043188192	-0.044728245
T+26	-0.023276201	-0.023573769	-0.062676625	-0.061118869	-0.024205955	-0.024479589	-0.024324893	-0.024849244	-0.024358447	-0.022108736	-0.028965294	-0.031872546	-0.036264953	-0.024566146	-0.024677446	-0.043073671	-0.043346908	-0.04474375
T+27	-0.023271791	-0.023563594	-0.062766544	-0.062740052	-0.0242671	-0.024541446	-0.024372913	-0.024849384	-0.024317406	-0.020989107	-0.028966406	-0.031016662	-0.035672461	-0.024499503	-0.024620397	-0.043024627	-0.043127666	-0.044759235
T+28	-0.023267432	-0.023553698	-0.062855856	-0.063305354	-0.024327598	-0.024602602	-0.024420453	-0.024914357	-0.024279792	-0.020829944	-0.028967465	-0.031693417	-0.036326668	-0.024516817	-0.024631293	-0.042977797	-0.043239044	-0.044774698
T+29	-0.023263124	-0.023543826	-0.062944566	-0.063032012	-0.024387453	-0.024663045	-0.024467518	-0.024820649	-0.024245314	-0.021566848	-0.028968559	-0.03089365	-0.035735291	-0.02446002	-0.024582796	-0.042931179	-0.043061848	-0.04479014
T+30	-0.023258867	-0.023534152	-0.063032676	-0.063501233	-0.024446671	-0.024727293	-0.024514111	-0.024887586	-0.024213707	-0.022468812	-0.028969624	-0.03157367	-0.036381895	-0.024475239	-0.024592298	-0.042884774	-0.043137156	-0.044805562
T+31	-0.02325466	-0.023524552	-0.063120188	-0.063965057	-0.024505257	-0.024781843	-0.024560235	-0.024958964	-0.024184729	-0.02275406	-0.028970706	-0.030784177	-0.035791847	-0.024428043	-0.024551065	-0.042838579	-0.042992144	-0.044820963
T+32	-0.023250502	-0.02351511	-0.063207107	-0.063703922	-0.024563216	-0.024840209	-0.024605895	-0.02486701	-0.024158158	-0.022285652	-0.028971771	-0.031466698	-0.036431305	-0.024440183	-0.024559341	-0.042792593	-0.043039987	-0.044836344
T+33	-0.023246392	-0.023505764	-0.063293435	-0.063578058	-0.024620552	-0.024897891	-0.024651093	-0.024782649	-0.024133791	-0.021603416	-0.028972844	-0.030686719	-0.035843062	-0.024398903	-0.02452428	-0.042746816	-0.042919627	-0.044851703
T+34	-0.023242331	-0.023496555	-0.063379175	-0.063911396	-0.02467727	-0.024954899	-0.024695834	-0.024851157	-0.024111445	-0.021300265	-0.028973907	-0.031371082	-0.036475498	-0.024410617	-0.024531482	-0.042701246	-0.042946577	-0.044867042
T+35	-0.023238318	-0.023487452	-0.063464331	-0.063836214	-0.024733376	-0.025011237	-0.024740122	-0.024770419	-0.02409095	-0.021540603	-0.028974973	-0.030599959	-0.035889203	-0.024375417	-0.024501666	-0.042655883	-0.042845119	-0.044882361
T+36	-0.023234351	-0.023478473	-0.063548904	-0.06412207	-0.024788874	-0.025066912	-0.024783956	-0.024838905	-0.024072151	-0.020236092	-0.028976033	-0.03128557	-0.036515008	-0.024385678	-0.024507927	-0.042610724	-0.042856191	-0.044897659
T+37	-0.023230431	-0.023468604	-0.06363628	-0.064084678	-0.024843769	-0.025121193	-0.024827351	-0.024907459	-0.024041295	-0.020045906	-0.028977093	-0.030522713	-0.036192943	-0.024376828	-0.024535658	-0.042572569	-0.042676769	-0.044912936
T+38	-0.023226556	-0.023460851	-0.063716319	-0.064334702	-0.024898067	-0.025176297	-0.024870299	-0.024829399	-0.024039087	-0.02227037	-0.028978148	-0.031209053	-0.036550318	-0.024364636	-0.024488009	-0.042521018	-0.042768267	-0.044928193
T+39	-0.023222728	-0.023452208	-0.063799166	-0.064329976	-0.024951772	-0.025230019	-0.024912808	-0.024754533	-0.024024575	-0.021873235	-0.028979202	-0.030453938	-0.035968543	-0.024339031	-0.02446644	-0.042476468	-0.042692477	-0.04494343
T+40	-0.023218943	-0.023443677	-0.063881444	-0.064548318	-0.02500489	-0.025283101	-0.024954882	-0.024821989	-0.02401126	-0.021612257	-0.028980253	-0.031140548	-0.036581856	-0.024346881	-0.024471163	-0.042432118	-0.042682377	-0.044958646
T+41	-0.023215204	-0.023435253	-0.063963155	-0.064567596	-0.025057424	-0.025335551	-0.024996524	-0.024749564	-0.023999044	-0.021635593	-0.028981302	-0.030392707	-0.036002604	-0.024325038	-0.024452817	-0.042387969	-0.042615181	-0.044973842
T+42	-0.023211507	-0.023426938	-0.064044803	-0.06476216	-0.025109381	-0.025387374	-0.025037738	-0.024681676	-0.023967835	-0.021871944	-0.028982348	-0.031079181	-0.036611609	-0.024331896	-0.024466018	-0.042343688	-0.042548189	-0.044988031
T+43	-0.023207854	-0.023418728	-0.064124891	-0.064800945	-0.025160765	-0.025438576	-0.025078527	-0.024745956	-0.02397755	-0.020091361	-0.028983395	-0.03083822	-0.03633427	-0.024313262	-0.024441308	-0.042302064	-0.042537632	-0.045004173
T+44	-0.023204244	-0.023410624	-0.064204921	-0.064975633	-0.02521158	-0.025489163	-0.025118895	-0.024811583	-0.023968113	-0.022116084	-0.028984433	-0.031024184	-0.036635122	-0.024319249	-0.024444862	-0.042256707	-0.042515452	-0.045019308
T+45	-0.023200676	-0.023402622	-0.064284397	-0.065027882	-0.025261833	-0.025539142	-0.025158846	-0.024743379	-0.023959452	-0.021961267	-0.028985472	-0.030289687	-0.036061339	-0.024303355	-0.024431585	-0.042213346	-0.042460039	-0.045034423
T+46	-0.02319715	-0.023394722	-0.064363322	-0.065188275	-0.025311528	-0.025588517	-0.025198383	-0.024807923	-0.023951505	-0.021787589	-0.028986508	-0.030974863	-0.036657506	-0.024308573	-0.024434666	-0.042170179	-0.04243397	-0.045049517
T+47	-0.023193665	-0.023386923	-0.064441699	-0.065251552	-0.02536067	-0.025637296	-0.025237509	-0.024741584	-0.023944212	-0.021739407	-0.028987542	-0.03024652	-0.036086635	-0.024295006	-0.024423371	-0.042127205	-0.042382559	-0.045064592
T+48	-0.023190221	-0.023379223	-0.064519531	-0.065399572	-0.025406963	-0.025685483	-0.025276229	-0.024804975	-0.023937519	-0.021832177	-0.028988574	-0.030930861	-0.036677438	-0.024426089	-0.024564208	-0.042084424	-0.042353594	-0.045079646
T+49	-0.023186817	-0.023371621	-0.064596821	-0.065471409	-0.025457313	-0.025733085	-0.025314545	-0.024740378	-0.023931377	-0.021964904	-0.028989603	-0.030208123	-0.036109578	-0.024287983	-0.02441643	-0.042041834	-0.042305312	-0.04509468
T+50	-0.023183452	-0.023364116	-0.064673571	-0.06560971	-0.025504825	-0.025780108	-0.025352461	-0.024802574	-0.023925739	-0.022021769	-0.02899063	-0.03089088	-0.036695169	-0.024291952	-0.024418741	-0.041999435	-0.042724208	-0.045109694
T+51	-0.023180127	-0.023356707	-0.064749786	-0.065687738	-0.025551803	-0.025826558	-0.025389981	-0.024739619	-0.023920566	-0.021969859	-0.028991654	-0.030173982	-0.036130404	-0.024282071	-0.024410565	-0.041957225	-0.042228388	-0.045124689
T+52	-0.023176841	-0.023349391	-0.064825467	-0.065818801	-0.025598253	-0.02587244	-0.025427109	-0.024800592	-0.023915817	-0.021871846	-0.028992676	-0.030855188	-0.036710922	-0.024285528	-0.024412566	-0.041915203	-0.042195722	-0.045139663
T+53	-0.023173594	-0.023342169	-0.064900619	-0.065900765	-0.025644179	-0.02591776	-0.025463847	-0.024739195	-0.023911459	-0.021816158	-0.028993695	-0.03014364	-0.036149327	-0.024277095	-0.024405609	-0.041873369	-0.042151853	-0.045154617
T+54	-0.023170384	-0.023335038	-0.064975243	-0.066024462	-0.025689585	-0.025962525	-0.025500199	-0.024677932	-0.023907459	-0.021840046	-0.028994712	-0.030823101	-0.036774898	-0.024269668	-0.024404734	-0.041831721	-0.042118866	-0.045169652
T+55	-0.02316721	-0.023327998	-0.065049344	-0.066110674	-0.025734478	-0.026006739	-0.025536169	-0.024739023	-0.023903788	-0.021909406	-0.028995727	-0.03011669	-0.036166538	-0.024272905	-0.024401421	-0.041790258	-0.042075758	-0.045184466
T+56	-0.023164076	-0.023321047	-0.065122923	-0.066228942	-0.025778861	-0.026050408	-0.025571759	-0.02479752	-0.023900418	-0.021959322	-0.028996739	-0.030794242	-0.03673728	-0.024275523	-0.024402919	-0.041748981	-0.042041186	-0.045199361
T+57	-0.023160977	-0.023314185	-0.065195985	-0.066317614	-0.02582274	-0.026093539	-0.025606974	-0.024739039	-0.023897325	-0.021952458	-0.028997749	-0.030902768	-0.036182207	-0.024269378	-0.024397882	-0.041707886	-0.04200014	-0.045214236
T+58	-0.023157915	-0.023307409	-0.065268531	-0.066431357	-0.025866119	-0.026136136	-0.025641817	-0.024796301	-0.023894486	-0.02190485	-0.028998756	-0.03076826	-0.036748228	-0.024271656	-0.024399177	-0.041666974	-0.041965037	-0.045229091
T+59	-0.023154888	-0.02330072	-0.065340566	-0.066521706	-0.025909903	-0.026179206	-0.025676291	-0.024853196	-0.023891188	-0.021862863	-0.028999761	-0.030771513	-0.036159483	-0.024274204	-0.024398901	-0.041626244	-0.041925106	-0.045243927
T+60	-0.02315896	-0.023294115	-0.065412091	-0.066631636	-0.025951396	-0.026219754	-0.025710399	-0.02479523	-0.023889488	-0.021859572	-0.029000764	-0.030744851	-0.036757889	-0.024268389	-0.024396011	-0.041585695	-0.041889587	-0.045258742
T+61	-0.02314894	-0.023287595	-0.06548311	-0.066723051	-0.025993304	-0.026260786	-0.025744146	-0.024739455	-0.023887293	-0.021890451	-0.029001764	-0.030052752	-0.036209523	-0.02426391	-0.024392363	-0.041545325	-0.041850434	-0.045273539
T+62	-0.023146018	-0.023281156	-0.065553626	-0.06682973	-0.026034731	-0.026301307	-0.025777533	-0.024794279	-0.023885278	-0.021924012	-0.029002762	-0.030723744	-0.036766393	-0.024265631	-0.024393331	-0.041505134	-0.041814807	-0.045288315
T+63	-0.02314313	-0.0232748	-0.065623641	-0.06692173	-0.026075682	-0.026341322	-0.025810565	-0.024739789	-0.023883428	-0.02193231	-0.029003758	-0.03003611	-0.036221433	-0.024261806	-0.024390228	-0.041465121	-0.041776378	-0.045303072
T+64	-0.023140275	-0.023268524	-0.06569316	-0.067025604	-0.026116161	-0.026380837	-0.025843245	-0.024793418	-0.02388173	-0.021913164	-0.029004751	-0.030704694	-0.036773859	-0.024263801	-0.024391064	-0.041425284	-0.041740676	-0.045317809
T+65	-0.023137454	-0.023262327	-0.065762184	-0.067117816	-0.026156173	-0.026419858	-0.025875575	-0.024790478	-0.023880171	-0.021887228	-0.029005742	-0.030681988	-0.036822333	-0.024265602	-0.024389424	-0.041385254	-0.041708267	-0.045332527
T+66	-0.023134666	-0.023256209	-0.065830716	-0.067219235	-0.026195723	-0.02645839	-0.02590756	-0.024792631	-0.02387874	-0.021876848	-0.029006731	-0.030687484	-0.036780392	-0.024261333	-0.024389145	-0.041346139	-0.041667174	-0.045347225
T+67	-0.02313191	-0.023250169	-0.06589876	-0.067311366	-0.026234815	-0.026496438	-0.025939203	-0.024740605	-0.023877427	-0.02188755	-0.029007717	-0.030008408	-0.036242316	-0.024258545	-0.024386897	-0.041306829	-0.041629906	-0.045361904
T+68	-0.023129187	-0.023244205	-0.065966318	-0.067410611	-0.026273453	-0.026534007	-0.025970506	-0.024791902	-0.023876222	-0.021906681	-0.029008701	-0.03067192	-0.036786088	-0.024259671	-0.024387521	-0.041267691	-0.041594288	-0.045376564
T+69	-0.023126495	-0.023238316	-0.066033394	-0.067502433	-0.026311643	-0.026571103	-0.026001473	-0.024741059	-0.023875115	-0.021917036	-0.029009683	-0.029996959	-0.036251481	-0.02425729	-0.024385608	-0.041228726	-0.041557499	-0.045391204
T+70	-0.023123835	-0.023232502	-0.06609999	-0.067599724	-0.026349388	-0.026607732	-0.026032107	-0.024791221	-0.023874099	-0.02191173	-0.029010662	-0.030657829	-0.036791031	-0.024258268	-0.024386146	-0.041189933	-0.041522004	-0.045405825
T+71	-0.023121205	-0.023226761	-0.066166109	-0.067691062	-0.026386964	-0.026643897	-0.026062411	-0.024741529	-0.023873167	-0.021897935	-0.029011639	-0.029986885	-0.036259905	-0.024254284	-0.024384518	-0.041151331	-0.041485647	-0.045420426
T+72	-0.02311806	-0.023221093	-0.066231753	-0.067786576	-0.026423564	-0.026679605	-0.026092388	-0.024790579	-0.023872311	-0.021888423	-0.029012614	-0.030645055	-0.0367953	-0.024257082	-0.024384983	-0.041112857	-0.04145031	-0.045435008
T+73	-0.023116038	-0.023215497	-0.066296927	-0.067877291	-0.026460003	-0.026714861	-0.026122042	-0.02474209	-0.023871525	-0.021890108	-0.029013586	-0.029978041	-0.036267663	-0.024255345	-0.024383597	-0.041074573	-0.041414349	-0.045449571
T+74	-0.02313499	-0.023209972	-0.066361632	-0.067971169	-0.026496016	-0.026749669	-0.026151376	-0.024789969	-0.023870804	-0.021899503	-0.029014556	-0.030633459	-0.036798962	-0.02425608	-0.024383998	-0.041036457	-0.041379199	-0.045464115
T+75	-0.02311099	-0.023204516	-0.066425872	-0.068061158	-0.026531606	-0.026784035	-0.026180392	-0.024742495	-0.023870142	-0.021907482	-0.029015524	-0.029970295	-0.036274819	-0.024254597	-0.024382819	-0.040998508	-0.041343603	-0.045478639
T+76	-0.02310851	-0.023199128	-0.066489649	-0.068155513	-0.026566779	-0.026817964	-0.026209094	-0.024738386	-0.023869534	-0.021915749	-0.029016489	-0.030035292	-0.036751938	-0.024252234	-0.024381565	-0.040960825	-0.04310866	-0.045493144
T+77	-0.023106059	-0.02319381	-0.066552967	-0.068242695	-0.026601537	-0.02685146	-0.026237485	-0.024742981	-0.023868976	-0.021901465	-0.029017453	-0.029963532	-0.036281434	-0.024253967	-0.024382161	-0.040923108	-0.041273408	-0.04550763
T+78	-0.023103637	-0.023188559	-0.066615827	-0.068333619	-0.026635887	-0.026884529	-0.026265567	-0.024788827	-0.023868464	-0.021894919	-0.029018414	-0.030613324	-0.036804712	-0.02425452	-0.02438246	-0.040885656	-0.041238686	-0.045522098
T+79	-0.02310124	-0.023183373	-0.066678233	-0.068421932	-0.026669831	-0.026917175	-0.026293344	-0.024743466	-0.023867994	-0.021893453	-0.029019373	-0.029957646	-0.036287559	-0.024253437	-0.024381605	-0.040848368	-0.04120376	-0.045536546
T+80	-0.023098876	-0.023178253	-0.066740188	-0.068511499	-0.026703375	-0.026949404	-0.026320818	-0.024788289	-0.023867562	-0.02189728	-0.029020329	-0.030604575	-0.036806905	-0.024253916	-0.024381863	-0.040811242	-0.04116927	-0.045550975
T+81	-0.023096538	-0.023173198	-0.066801695	-0.068598898	-0.026736522	-0.026981219	-0.026347994	-0.024743947	-0.023867166	-0.021902261	-0.029021283	-0.029952543	-0.036293244	-0.024252991	-0.024381136	-0.040774279	-0.041134656	-0.045565385
T+82	-0.023094226	-0.023168207	-0.066862753	-0.068687168	-0.026769926	-0.027012677	-0.026374687	-0.024699768	-0.023866803	-0.021910308	-0.029022235	-0.029905581	-0.036808705	-0.024253406	-0.024381768	-0.040740476	-0.041100406	-0.045576776
T+83	-0.023091941	-0.023163278	-0.066923373	-0.06877362	-0.026801642	-0.027043631	-0.026401458	-0.024744422	-0.023866469	-0.021901788	-0.029023185	-0.029948142	-0.03629853	-0.024252615	-0.024380739	-0.040700835	-0.041066092	-0.045594148
T+84	-0.023089683	-0.023158412	-0.06698355	-0.068860642	-0.026833623	-0.027074237	-0.026427752	-0.024787264	-0.023866162	-0.021897977	-0.029024133	-0.030589269	-0.036810153	-0.024252975	-0.02438093	-0.040664353	-0.041032088	-0.045608501
T+85	-0.023087452	-0.023153607	-0.06704329	-0.068946124	-0.026865225	-0.027104448	-0.026453759	-0.02474489	-0.023865881	-0.02189599	-0.029025078	-0.029944366	-0.036303457	-0.024252299	-0.024380403	-0.04062803	-0.040998065	-0.045622835
T+86	-0.023085246	-0.023148862	-0.067102596	-0.06903194	-0.02689645	-0.02713427	-0.026479481	-0.024786775	-0.023865623	-0.021897071	-0.029026021	-0.030582563	-0.036811287	-0.024252611	-0.024380568	-0.040591865	-0.040964309	-0.045637151
T+87	-0.023083066	-0.023144178	-0.067161469	-0.069116434	-0.026927303	-0.027163707	-0.026504921	-0.024745351	-0.023865386	-0.02189973	-0.029026962	-0.029941149	-0.03630806	-0.024252034	-0.02438012	-0.040555857	-0.040930569	-0.045651448
T+88	-0.023080911	-0.023139252	-0.067219913	-0.069201079	-0.026957788	-0.027192764	-0.026528094	-0.024704299	-0.023865168	-0.021901469	-0.029027899	-0.029931639	-0.036812137	-0.024252234	-0.024380768	-0.040520006	-0.040849064	-0.045665726
T+89	-0.023078781	-0.023134985	-0.06727793	-0.069284574	-0.026987908	-0.027221445	-0.026554965	-0.024745805	-0.023864968	-0.021900998	-0.029028837	-0.029938431	-0.036312369	-0.02425181	-0.02437988	-0.040484311	-0.040863601	-0.045679985
T+90	-0.023076676	-0.023130475	-0.067335524	-0.069368077	-0.027017668	-0.027249754	-0.026579576	-0.024785836	-0.023864785	-0.02189907	-0.029029771	-0.030570727	-0.036812735	-0.024252043	-0.024380003	-0.04044877	-0.040830348	-0.045694225
T+91	-0.023074595	-0.023126022	-0.067392696	-0.069450568	-0.027047072	-0.027277697	-0.026603915	-0.024746249	-0.023864617	-0.021897488	-0.029030703	-0.029936159	-0.036316414	-0.024251622	-0.024379678	-0.040413384	-0.040797157	-0.045708447
T+92	-0.023072539	-0.023121625	-0.06744945	-0.069532955	-0.027076123	-0.027305277	-0.026627986	-0.024785385	-0.023864462	-0.021897438	-0.029031633	-0.030565491	-0.036813106	-0.024251824	-0.024379783	-0.040378151	-0.040764155	-0.045722651
T+93	-0.023070507	-0.023117284	-0.067505789	-0.069614308	-0.027106425	-0.027332498	-0.026652665	-0.024784642	-0.023864432	-0.021898614	-0.029032556	-0.030602292	-0.036810081	-0.024251244	-0.024379506	-0.040343307	-0.040731231	-0.045738825
T+94	-0.023068498	-0.023112997	-0.067561714	-0.069695732	-0.027133182	-0.027359365	-0.026675333	-0.024784945	-0.023864119	-0.021899847	-0.029033486	-0.030560646	-0.036813275	-0.02425168	-0.02437959	-0.040308141	-0.040698481	-0.045751001
T+95	-0.023066513	-0.023108764	-0.067617228	-0.069776208	-0.027161198	-0.027385883	-0.026698615	-0.024747113	-0.023864071	-0.021900034	-0.029034409	-0.029932767	-0.036323808	-0.02425133	-0.024379362	-0.040273364	-0.040665819	-0.045765149
T+96	-0.02306455	-0.023104584	-0.067672335	-0.069856428	-0.027188877	-0.027412055	-0.02672164	-0.024784515	-0.023863961	-0.021899201	-0.02903533	-0.030556153	-0.036813262	-0.024251481	-0.02437944	-0.040238736	-0.04063332	-0.045779278
T+97	-0.023062611	-0.023100457	-0.067727037	-0.069935899	-0.027216222	-0.027437885	-0.026744409	-0.024747531	-0.02386386	-0.021898179	-0.029036249	-0.029931566	-0.03632772	-0.024251218	-0.02437924	-0.040204259	-0.040600917	-0.045793388
T+98	-0.023060694	-0.023096382	-0.067781336	-0.070015063	-0.027243236	-0.027463378	-0.026766926	-0.024784097	-0.023863768	-0.021897799	-0.029037166	-0.030551976	-0.036813088	-0.024251349	-0.024379307	-0.04016993	-0.040568668	-0.04580748
T+99	-0.023058799	-0.023092358	-0.067835251	-0.070095133	-0.027269924	-0.027488538	-0.026789194	-0.024784943	-0.023863683	-0.021898218	-0.029038098	-0.029936064	-0.036333691	-0.024251485	-0.024379366	-0.040535621	-0.040815749	-0.045803017
T+100	-0.023056926	-0.023088384	-0.067888737	-0.070171658	-0.027296289	-0.027513369	-0.026811214	-0.024783688	-0.023863605	-0.021898911	-0.029038993	-0.030548081	-0.03681277	-0.024251237	-0.024379194	-0.040101715	-0.04050452	-0.045835609
T+101	-0.023055075	-0.023084461	-0.067941844	-0.070249133	-0.027322335	-0.027537874	-0.026832989	-0.024748342	-0.023863533	-0.021899227	-0.029039903	-0.029929982	-0.036333468	-0.024251045	-0.024379049	-0.040067828	-0.040472626	-0.045849646
T+102	-0.023053246	-0.023080587	-0.067994559	-0.070326233	-0.027348065	-0.027562058	-0.026854522	-0.024783288	-0.023863468	-0.021898943	-0.029040811	-0.03054444	-0.036812323	-0.024251142	-0.024379099	-0.040034087	-0.040440871	-0.045863665
T+103	-0.023051438	-0.023076762	-0.068046884	-0.070402719	-0.027373483	-0.027585924	-0.026875815	-0.024748735	-0.023863407	-0.021898368	-0.029041717	-0.029929542	-0.036336376	-0.024250978	-0.024378975	-0.040000491	-0.040409227	-0.045877665
T+104	-0.023049651	-0.023072984	-0.068098822	-0.070478808	-0.027398592	-0.027609478	-0.026896871	-0.024782898	-0.023863352	-0.021897989	-0.029042621	-0.030541028	-0.036811761	-0.024251062	-0.024379018	-0.039967039	-0.040377718	-0.045891647
T+105	-0.023047884	-0.023069254	-0.068150373	-0.070554478	-0.027423896	-0.027633727

T+168	-0.02296954	-0.022908132	-0.07072558	-0.074425818	-0.028500096	-0.028614173	-0.027848811	-0.024774136	-0.023862735	-0.02189654	-0.029096257	-0.030480174	-0.036773167	-0.024250627	-0.024378575	-0.038096478	-0.03859334	-0.046749857
T+169	-0.022968703	-0.022906466	-0.070757272	-0.074474838	-0.028511217	-0.028623952	-0.027858814	-0.024757775	-0.023862735	-0.02189652	-0.029097032	-0.029959868	-0.036396823	-0.024250626	-0.024378575	-0.038071048	-0.038568758	-0.046762714
T+170	-0.022967875	-0.02290482	-0.07078872	-0.074523518	-0.028522198	-0.028633598	-0.027868702	-0.024773952	-0.023862735	-0.0218965	-0.029097806	-0.030478823	-0.036771859	-0.024250627	-0.024378575	-0.038045724	-0.038544269	-0.046775555
T+171	-0.022967057	-0.022903195	-0.070819925	-0.074571861	-0.028533039	-0.028643113	-0.027878475	-0.024757957	-0.023862735	-0.02189648	-0.029098578	-0.029961122	-0.036398194	-0.024250626	-0.024378575	-0.038020504	-0.038519871	-0.04678838
T+172	-0.022966248	-0.022901591	-0.070850889	-0.074619869	-0.028543742	-0.028652497	-0.027888134	-0.024773772	-0.023862734	-0.02189646	-0.029099348	-0.030477483	-0.036770557	-0.024250627	-0.024378575	-0.037995388	-0.038495564	-0.046801188
T+173	-0.022965448	-0.022900006	-0.070881614	-0.074667543	-0.02855431	-0.028661753	-0.027897682	-0.024758135	-0.023862734	-0.02189644	-0.029100116	-0.029962375	-0.036399553	-0.024250626	-0.024378574	-0.037970375	-0.038471348	-0.04681398
T+174	-0.022964658	-0.022898442	-0.070912101	-0.074714886	-0.028564743	-0.028670882	-0.02790712	-0.024773596	-0.023862734	-0.02189642	-0.029100883	-0.030476154	-0.036769261	-0.024250627	-0.024378575	-0.037945466	-0.038447223	-0.046826756
T+175	-0.022963877	-0.022896896	-0.070942353	-0.0747619	-0.028575044	-0.028679887	-0.027916447	-0.02475831	-0.023862734	-0.0218964	-0.029101648	-0.029963625	-0.036400899	-0.024250626	-0.024378574	-0.037920659	-0.038423187	-0.046839515
T+176	-0.022963105	-0.02289537	-0.07097237	-0.074808587	-0.028585214	-0.028688769	-0.027925667	-0.024773424	-0.023862734	-0.021896381	-0.029102411	-0.030474836	-0.036767972	-0.024250626	-0.024378574	-0.037895954	-0.038399242	-0.046852259
T+177	-0.022962342	-0.022893863	-0.071002155	-0.074854949	-0.028595255	-0.028697529	-0.02793478	-0.02475848	-0.023862734	-0.021896363	-0.029103172	-0.029964873	-0.036402234	-0.024250626	-0.024378574	-0.03787135	-0.038375386	-0.046864986
T+178	-0.022961588	-0.022892375	-0.07103171	-0.074900988	-0.028605168	-0.028706169	-0.027943787	-0.024773255	-0.023862734	-0.021896344	-0.029103931	-0.030473528	-0.036766689	-0.024250626	-0.024378574	-0.037846848	-0.038351619	-0.046877696
T+179	-0.022960843	-0.022890906	-0.071061036	-0.074946707	-0.028614955	-0.028714691	-0.027952689	-0.024758646	-0.023862734	-0.021896325	-0.029104689	-0.029966118	-0.036403556	-0.024250626	-0.024378574	-0.037822447	-0.03832794	-0.046890391
T+180	-0.022960106	-0.022889454	-0.071090134	-0.074992106	-0.028624617	-0.028723096	-0.027961489	-0.024773091	-0.023862734	-0.021896307	-0.029105444	-0.03047223	-0.036765414	-0.024250626	-0.024378574	-0.037798145	-0.03830435	-0.04690307
T+181	-0.022959377	-0.022888021	-0.071119007	-0.075037189	-0.028634157	-0.028731386	-0.027970186	-0.024758809	-0.023862733	-0.021896288	-0.029106198	-0.02996736	-0.036404867	-0.024250626	-0.024378574	-0.037773943	-0.038280847	-0.046915732

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SEECe12qedESST	SEECe12stdESST	SEECs12norESST	SEECe12norESST	SEFLe11qedESST	SEFLq11qedESST	SEFLe11norESST	SEFLe12norESST	SEUTe11qedESST	SEUTe12qedESST	SEUTc11qedESST	SEUTe11stdESST	SEUTc11stdESST	SEUTe11norESST	SEUTe12norESST	SETRe11qedESST	SETRs12norESST	SETRe11norESST	SETRe12norESST
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BitCc12gedESST	BitCe1norESST	BitCe2norESST	BitCc1norESST	LitCs11gedESST	LitCc11gedESST	LitCc12gedESST	LitCs11norESST	LitCe1norESST	LitCe12gedESST	LitCe2norESST	LitCq1norESST	LitCc11norESST	LitCc12norESST	GREXe11gedESST	GREXe12gedESST	GREXe02gedESST	DAXPs11gedESST	DAXPs11stdESST
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ESNO GARCH

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T+1	-0.0202334	-0.020223	-0.0512426	-0.0464218	-0.0250384	-0.0248596	-0.0146223	-0.0185984	-0.0300192	-0.0290652	-0.0369485	-0.0347569	-0.0377379	-0.0450264	-0.0254972	-0.0255594	-0.0279283	-0.0271873	-0.0654668	-0.0568175	-0.022238	-0.0266669	-0.0198004	-0.0534689
T+2	-0.0197109	-0.0203905	-0.0508193	-0.0544187	-0.0241571	-0.0238259	-0.0093256	-0.0304388	-0.0303597	-0.0295929	-0.035366	-0.0374983	-0.0351854	-0.0425418	-0.0226698	-0.0260345	-0.0276965	-0.0234604	-0.0487677	-0.0424319	-0.0230831	-0.0263104	-0.0209964	-0.0504345
T+3	-0.019706	-0.019887	-0.0509098	-0.0470248	-0.0235126	-0.0233797	-0.0116396	-0.027786	-0.029207	-0.0288597	-0.0370245	-0.0353631	-0.0372271	-0.0445473	-0.0224048	-0.0247322	-0.0273652	-0.0230239	-0.0486096	-0.0421588	-0.0230533	-0.0262969	-0.0248734	-0.0504573
T+4	-0.0197011	-0.0202152	-0.0509962	-0.0537487	-0.023246	-0.0230234	-0.0207687	-0.026227	-0.026987	-0.0295455	-0.0370425	-0.0386826	-0.0372021	-0.0445188	-0.0220753	-0.0251837	-0.0270752	-0.0227333	-0.0485176	-0.0421076	-0.0229894	-0.0261366	-0.0278697	-0.0504801
T+5	-0.0196963	-0.0199679	-0.0510839	-0.0479591	-0.0228429	-0.0227664	-0.0304468	-0.025415	-0.0286426	-0.0289082	-0.0371261	-0.0358741	-0.0373823	-0.0446831	-0.0218498	-0.0243787	-0.0268523	-0.0225394	-0.0484335	-0.0420702	-0.0229506	-0.0261988	-0.0271068	-0.0505028
T+6	-0.0196915	-0.0201201	-0.0511709	-0.0532792	-0.0226928	-0.0225248	-0.0276831	-0.0249301	-0.0291944	-0.0296384	-0.0370998	-0.0383705	-0.037407	-0.0446954	-0.0216867	-0.0247168	-0.0266855	-0.0224095	-0.0483512	-0.0420369	-0.022929	-0.0261101	-0.0240031	-0.0505255
T+7	-0.0196868	-0.0199957	-0.0512574	-0.0487494	-0.0223695	-0.0223176	-0.0184078	-0.024693	-0.0282055	-0.029031	-0.0370671	-0.0361322	-0.0374354	-0.0447102	-0.0215699	-0.0242191	-0.0265616	-0.022322	-0.0482698	-0.0420042	-0.0229167	-0.0261851	-0.0217103	-0.0505481
T+8	-0.0196821	-0.0200633	-0.0513433	-0.0529627	-0.0222774	-0.0221248	-0.0232263	-0.0245437	-0.0278752	-0.0297676	-0.0370262	-0.0380192	-0.037453	-0.0447125	-0.0214863	-0.0244678	-0.0264497	-0.0222624	-0.0481891	-0.0419717	-0.022909	-0.0262175	-0.0216404	-0.0505707
T+9	-0.0196776	-0.0199981	-0.0514287	-0.0494228	-0.0220073	-0.0219523	-0.0132539	-0.0244776	-0.0278438	-0.0291681	-0.0369842	-0.0362949	-0.0374658	-0.044714	-0.0214267	-0.0241615	-0.0264018	-0.0222219	-0.0481091	-0.0419395	-0.0229038	-0.0261977	-0.0233756	-0.0505932
T+10	-0.019673	-0.0200253	-0.0515135	-0.0527638	-0.0219572	-0.0217937	-0.0173905	-0.0244311	-0.0284575	-0.0298987	-0.0369416	-0.0377257	-0.0374795	-0.0447144	-0.0213843	-0.024343	-0.0263518	-0.0221935	-0.0480299	-0.0419074	-0.0228998	-0.026157	-0.0253109	-0.0506157
T+11	-0.0196685	-0.0199887	-0.0515978	-0.0500019	-0.0217283	-0.02165	-0.0227803	-0.0244142	-0.0275338	-0.0293003	-0.036899	-0.0364001	-0.037493	-0.0447147	-0.0213543	-0.0241567	-0.0263151	-0.0221732	-0.0479514	-0.0418755	-0.0228964	-0.0262186	-0.0257571	-0.0506381
T+12	-0.0196641	-0.0199965	-0.0516815	-0.0526553	-0.0217104	-0.0215184	-0.02391	-0.0243997	-0.0281646	-0.0300212	-0.0368566	-0.0374839	-0.0375063	-0.0447148	-0.0213333	-0.0242895	-0.0262884	-0.0221584	-0.0478736	-0.0418438	-0.0228934	-0.0261889	-0.0245876	-0.0506606
T+13	-0.0196597	-0.0199737	-0.0517646	-0.0505052	-0.021514	-0.0213986	-0.0201362	-0.0243964	-0.0272634	-0.0294221	-0.0368143	-0.0364632	-0.0375196	-0.0447149	-0.0213186	-0.0241787	-0.0262691	-0.0221472	-0.0477965	-0.0418122	-0.0228905	-0.026242	-0.0231433	-0.0506829
T+14	-0.0196554	-0.0199724	-0.0518473	-0.0526167	-0.0215205	-0.0212891	-0.0163019	-0.024392	-0.0279072	-0.0301327	-0.0367723	-0.0372822	-0.0375329	-0.044749	-0.0213087	-0.024277	-0.0262553	-0.0221384	-0.0477202	-0.0417809	-0.0228877	-0.0262205	-0.022612	-0.0507052
T+15	-0.0196511	-0.0199564	-0.0519293	-0.0509475	-0.0213497	-0.0211891	-0.0151821	-0.0243922	-0.0270253	-0.0295326	-0.0367304	-0.0364942	-0.0375462	-0.044715	-0.021302	-0.0242141	-0.0262456	-0.0221311	-0.0476445	-0.0417497	-0.0228849	-0.0262662	-0.0231934	-0.0507275
T+16	-0.0196469	-0.0199508	-0.0520109	-0.0526319	-0.0213747	-0.0210977	-0.0167971	-0.0243912	-0.0276796	-0.030233	-0.0366887	-0.0371109	-0.0375594	-0.0447151	-0.0212978	-0.0242882	-0.026239	-0.0221249	-0.0475695	-0.0417187	-0.0228822	-0.026251	-0.0242377	-0.0507498
T+17	-0.0196427	-0.0199382	-0.0520919	-0.0513409	-0.0212241	-0.0210142	-0.0196944	-0.0243922	-0.0268149	-0.0296323	-0.0366473	-0.0365008	-0.0375726	-0.0447151	-0.0212952	-0.0242557	-0.0262347	-0.0221193	-0.0474952	-0.0416878	-0.0228795	-0.0262904	-0.0248176	-0.0507719
T+18	-0.0196385	-0.0199307	-0.0521723	-0.0526887	-0.021263	-0.0209378	-0.0212641	-0.0243923	-0.0274777	-0.030323	-0.036606	-0.0369631	-0.0375858	-0.0447152	-0.021294	-0.0243131	-0.0262321	-0.0221142	-0.0474215	-0.0416572	-0.0228768	-0.0262802	-0.0245282	-0.0507941
T+19	-0.0196345	-0.0199199	-0.0522522	-0.0516949	-0.0211283	-0.0208679	-0.0201645	-0.0243934	-0.0266284	-0.0297221	-0.0365649	-0.0364886	-0.037599	-0.0447153	-0.0212936	-0.0243001	-0.0262307	-0.0221095	-0.0473486	-0.0416267	-0.0228741	-0.0263145	-0.0237861	-0.0508162
T+20	-0.0196304	-0.0199116	-0.0523316	-0.0527775	-0.0211773	-0.0208039	-0.0179625	-0.024394	-0.0272982	-0.0304033	-0.0365239	-0.0368331	-0.0376122	-0.0447154	-0.0212939	-0.0243146	-0.0262303	-0.0221049	-0.0472762	-0.0415964	-0.0228714	-0.0263083	-0.0232848	-0.0508383
T+21	-0.0196264	-0.0199017	-0.0524105	-0.0520174	-0.0210554	-0.0207454	-0.016709	-0.0243951	-0.0264629	-0.0298029	-0.0364832	-0.0364624	-0.0376253	-0.0447154	-0.0212946	-0.0243455	-0.0262306	-0.0221005	-0.0472046	-0.0415662	-0.0228687	-0.0263383	-0.0233635	-0.0508603
T+22	-0.0196225	-0.0198931	-0.0524888	-0.0528909	-0.0211117	-0.0206918	-0.0170799	-0.0243958	-0.0271385	-0.0304757	-0.0364427	-0.036717	-0.0376385	-0.0447155	-0.0212956	-0.0243836	-0.0262315	-0.0220961	-0.0471336	-0.0415363	-0.022866	-0.0263353	-0.023847	-0.0508823
T+23	-0.0196186	-0.0198838	-0.0525666	-0.0523144	-0.0209999	-0.0206427	-0.01852	-0.0243968	-0.0263159	-0.0298756	-0.0364023	-0.0364254	-0.0376516	-0.0447156	-0.021297	-0.0243911	-0.0262327	-0.0220918	-0.0470632	-0.0415065	-0.0228634	-0.0263617	-0.0242746	-0.0509042
T+24	-0.0196148	-0.0198752	-0.0526439	-0.0530231	-0.0210615	-0.0205977	-0.0197251	-0.0243977	-0.0269962	-0.0305402	-0.0363621	-0.0366115	-0.0376647	-0.0447156	-0.0212984	-0.0244239	-0.0262342	-0.0220876	-0.0469934	-0.0414768	-0.0228607	-0.0263612	-0.0243067	-0.0509261
T+25	-0.019611	-0.0198664	-0.0527207	-0.0525908	-0.0209578	-0.0205665	-0.0196603	-0.0243986	-0.0268852	-0.0299412	-0.0363221	-0.0363805	-0.0376778	-0.0447157	-0.021313	-0.0244365	-0.0262359	-0.0220843	-0.0469244	-0.0414474	-0.0228581	-0.0263847	-0.0239939	-0.0509488
T+26	-0.0196072	-0.0198579	-0.0527997	-0.0531695	-0.021023	-0.0205188	-0.0186251	-0.0243995	-0.0268379	-0.0299079	-0.0362823	-0.0365142	-0.0376908	-0.0447158	-0.0213017	-0.0244657	-0.0262378	-0.0220792	-0.0468558	-0.0414181	-0.0228554	-0.0263862	-0.02366	-0.0509698
T+27	-0.0196035	-0.0198493	-0.0528727	-0.0528504	-0.020926	-0.0204843	-0.017682	-0.0244005	-0.0260691	-0.0300002	-0.0362427	-0.0363295	-0.0377039	-0.0447158	-0.0213035	-0.0244815	-0.0262398	-0.022075	-0.0467879	-0.0413889	-0.0228528	-0.0264072	-0.0235747	-0.0509915
T+28	-0.0195998	-0.0198409	-0.0529479	-0.0533266	-0.0209935	-0.0204526	-0.0175479	-0.0244013	-0.0267559	-0.0306495	-0.0362032	-0.0364233	-0.0377169	-0.0447159	-0.0213053	-0.0245083	-0.0262419	-0.0220708	-0.0467206	-0.0413599	-0.0228501	-0.0264103	-0.0237556	-0.0510133
T+29	-0.0195962	-0.0198326	-0.0530227	-0.0530963	-0.0209019	-0.0204235	-0.0181686	-0.0244023	-0.0259657	-0.0300535	-0.036164	-0.036274	-0.0377299	-0.044716	-0.0213071	-0.0245263	-0.0262441	-0.0220667	-0.0466539	-0.0413311	-0.0228475	-0.0264292	-0.0240075	-0.0510349
T+30	-0.0195926	-0.0198245	-0.0530969	-0.0534916	-0.0209708	-0.0203969	-0.0189284	-0.0244032	-0.0266548	-0.0306957	-0.0361249	-0.0363375	-0.0377429	-0.0447161	-0.021309	-0.0245514	-0.0262463	-0.0220625	-0.0465878	-0.0413025	-0.0228449	-0.0264336	-0.0241135	-0.0510566
T+31	-0.019589	-0.0198164	-0.0531706	-0.0533331	-0.0209838	-0.0203737	-0.0191687	-0.0244041	-0.0258736	-0.0301016	-0.0360686	-0.0362153	-0.0377557	-0.0447161	-0.0213109	-0.0245706	-0.0262483	-0.022063	-0.0465223	-0.0412724	-0.0228423	-0.0264508	-0.0241782	-0.0510784
T+32	-0.0195855	-0.0198084	-0.0532438	-0.0536623	-0.0209533	-0.0203501	-0.0187741	-0.024405	-0.0265644	-0.030737	-0.0360472	-0.0362556	-0.0377688	-0.0447162	-0.0213127	-0.0245946	-0.0262508	-0.0220542	-0.0464574	-0.0412457	-0.0228397	-0.0264561	-0.0238337	-0.0510998
T+33	-0.0195821	-0.0198006	-0.0533165	-0.0535563	-0.0208702	-0.0203296	-0.0181994	-0.0244059	-0.025792	-0.030145	-0.0360087	-0.0361542	-0.0377818	-0.0447163	-0.0213146	-0.0246147	-0.0262531	-0.02205	-0.0463931	-0.0412175	-0.0228371	-0.0264718	-0.0237305	-0.0511213
T+34	-0.0195787	-0.0197928	-0.0533888	-0.0538371	-0.0209398	-0.0203108	-0.017944	-0.0244068	-0.0264835	-0.0307739	-0.0359703	-0.0361769	-0.0377947	-0.0447163	-0.0213165	-0.0246378	-0.0262554	-0.0220459	-0.0463293	-0.0411895	-0.0228345	-0.0264779	-0.0237726	-0.0511427
T+35	-0.0195753	-0.0197851	-0.0534605	-0.0537738	-0.02086	-0.0202935	-0.0181464	-0.0244077	-0.0257192	-0.0301842	-0.0359321	-0.0360915	-0.0378076	-0.0447164	-0.0213184	-0.0246584	-0.0262577	-0.0220417	-0.0462661	-0.0411616	-0.0228319	-0.0264924	-0.0238978	-0.0511642
T+36	-0.0195719	-0.0197776	-0.0535317	-0.0540146	-0.0209294	-0.0202777	-0.0185638	-0.0244086	-0.0264112	-0.0308068	-0.035894	-0.0361008	-0.0378205	-0.0447165	-0.0213203	-0.024681	-0.02626	-0.0220376	-0.0462034	-0.0411339	-0.0228293	-0.0264989	-0.0239895	-0.0511856
T+37	-0.0195686	-0.0197701	-0.0536029	-0.0539846	-0.0209025	-0.0202632	-0.0188178	-0.0244095	-0.0265044	-0.0302197	-0.0358562	-0.0360276	-0.0378333	-0.0447165	-0.0213222	-0.0247018	-0.0262623	-0.0220334	-0.0461414	-0.0411064	-0.0228268	-0.0265124	-0.0239855	-0.0512069
T+38	-0.0195654	-0.0197627	-0.0536728	-0.0541937	-0.0209212	-0.0202498	-0.0187246	-0.0244103	-0.0263465	-0.0308362	-0.0358185	-0.0360267	-0.0378462	-0.0447166	-0.0213241	-0.0247241	-0.0262646	-0.0220293	-0.0460798	-0.041079	-0.0228242	-0.0265194	-0.0238973	-0.0512283
T+39	-0.0195621	-0.0197555	-0.0537426	-0.0541897	-0.0208469	-0.0202376	-0.0184266	-0.0244112	-0.0255968	-0.0302517	-0.0357809	-0.0359629	-0.037859	-0.0447167	-0.021326	-0.0247451	-0.0262669	-0.0220251	-0.0460188	-0.0410518	-0.0228216	-0.0265319	-0.023822	-0.0512495
T+40	-0.019559	-0.0197483	-0.0538119	-0.0543736	-0.0209148	-0.0202264	-0.0182067	-0.0244121	-0.0262885	-0.0308625	-0.0357436	-0.0359544	-0.0378719	-0.0447167	-0.0213279	-0.0247669	-0.0262693	-0.022021	-0.0459583	-0.0410247	-0.0228191	-0.0265392	-0.0238132	-0.0512708
T+41	-0.0195558	-0.0197412	-0.0538807	-0.0543899	-0.0208428	-0.0202161	-0.0182264	-0.024413	-0.0255455	-0.0302807	-0.0357064	-0.0358978	-0.0378847	-0.0447168	-0.0213298	-0.024788	-0.0262716	-0.0220169	-0.0458984	-0.0409977	-0.0228165	-0.026551	-0.0238648	-0.051292
T+42	-0.0195527	-0.0197342	-0.0539491	-0.0545538	-0.0208099	-0.0202067	-0.0184255	-0.0244139	-0.0252382	-0.0308858	-0.0356694	-0.0358835	-0.0378974	-0.0447169	-0.0213317	-0.0248046	-0.0262739	-0.0220118	-0.045839	-0.040971	-0.022814	-0.0265584	-0.0239235	-0.0513131
T+43	-0.0195496	-0.0197273	-0.0540169	-0.0545857	-0.0208399	-0.0201998	-0.0186103	-0.0244148	-0.0254998	-0.0309007	-0.0356325	-0.0358325	-0.0379102	-0.0447169	-0.021334	-0.0248307	-0.0262762	-0.0220086	-0.0457801	-0.0409443	-0.0228115	-0.0265695	-0.0239409	-0.0513342
T+44	-0.0195466	-0.0197204	-0.0540844	-0.0547336	-0.0209058	-0.02019	-0.0186311	-0.0244156	-0.0261899	-0.0309067	-0.0355958	-0.0358138	-0.037923	-0.044717	-0.0213355	-0.0248521	-0.0262785	-0.0220045	-0.0457218	-0.0409178	-0.0228089	-0.026577	-0.0239109	-0.0513553
T+45	-0.0195436	-0.0197137	-0.0541513	-0.0547776	-0.0208379	-0.0201827	-0.0185007	-0.0244165	-0.0254593	-0.0303309	-0.0355593	-0.0357671	-0.0379357	-0.0447171	-0.0213374	-0.0248732	-0.0262808	-0.0220003	-0.0456639	-0.0408915	-0.0228064	-0.0265875	-0.0238671	-0.0513763
T+46	-0.0195406	-0.019707	-0.0542178	-0.0549127	-0.0209026	-0.020176	-0.0183544	-0.0244174	-0.0261481	-0.0309252	-0.0355229	-0.0357451	-0.0379484	-0.0447171	-0.0213393	-0.0248944	-0.0262831	-0.0219962	-0.0456066	-0.0408653	-0.0228039	-0.0265951	-0.0238473	-0.0513973
T+47	-0.0195377	-0.0197005	-0.0542838	-0.0549668	-0.0208365	-0.0201699	-0.0183138	-0.0244183	-0.0254232	-0.0303525	-0.0354867	-0.0357018	-0.0379611	-0.0447172	-0.0213412	-0.0249154	-0.0262854	-0.0219921	-0.0455497	-0.0408393	-0.0228014	-0.0266051	-0.0238627	-0.0514183
T+48	-0.0195348	-0.019694	-0.0543498	-0.0550208	-0.0209	-0.0201643	-0.0183919	-0.0244191	-0.0261105	-0.0309416	-0.0354507	-0.0356774	-0.0379738	-0.0447173	-0.0213443	-0.0249365	-0.0262877	-0.0219879	-0.0454934	-0.0408134	-0.0227989	-0.0266127	-0.0238994	-0.0514392
T+49	-0.0195319	-0.0196876	-0.0544145	-0.0551512	-0.0208356	-0.0201591	-0.0185037	-0.02442	-0.0253911	-0.0303722	-0.0354148	-0.0356368	-0.0379864	-0.0447173	-0.0213449	-0.0249574	-0.02629	-0.0219838	-0.0454375	-0.0407876	-0.0227964	-0.0266222	-0.0239129	-0.05146
T+50	-0.0195291	-0.0196813	-0.0544791	-0.0552677	-0.0208979	-0.0201543	-0.0185516	-0.0244209	-0.0260768	-0.0309563	-0.0353791	-0.0356106	-0.0379991	-0.0447174	-0.0213468	-0.0249784	-0.0262923	-0.0219797	-0.0453821	-0.040762	-0.0227939	-0.0266297	-0.0239067	-0.0514809
T+51	-0.0195263	-0.019675	-0.0545433	-0.0553334	-0.0208351	-0.02015	-0.0185078	-0.0244217	-0.0253626	-0.03039	-0.0353435	-0.035572	-0.0380117	-0.0447175	-0.0213487	-0.0249992	-0.0262946	-0.0219755	-0.0453272	-0.0407365	-0.0227914	-0.0266388	-0.0238853	-0.0515017
T+52	-0.0195235	-0.0196688	-0.0546071	-0.0554432	-0.0208961	-0.0201146	-0.0184253	-0.0244226	-0.0260464	-0.0309692	-0.0353081	-0.0355444	-0.0380243	-0.0447175	-0.0213506	-0.02502	-0.0262968	-0.0219714	-0.0452728	-0.0407112	-0.0227889	-0.0266463	-0.0238689	-0.0515224
T+53	-0.0195208	-0.0196628	-0.0546704	-0.0555129	-0.0208348	-0.0201423	-0.0183783	-0.0244234	-0.0253373	-0.0304063	-0.0352729	-0.0355075	-0.0380369	-0.0447176	-0.0213525	-0.0250407	-0.0262991	-0.0219673	-0.0452189	-0.040686	-0.0227865	-0.0266555	-0.0238697	-0.0515431
T+54	-0.0195181	-0.0196568	-0.0547333	-0.0556171	-0.0208468	-0.0201366	-0.0183988	-0.0244243	-0.0260191	-0.0309807	-0.0352378	-0.0354749	-0.0380485	-0.0447177	-0.0213544	-0.0250614	-0.0263014	-0.0219632	-0.0451654	-0.0406459	-0.022784	-0.0266624	-0.0238349	-0.0515638
T+55	-0.0195154	-0.0196508	-0.0547957	-0.0556897	-0.0208348	-0.0201359	-0.0184569	-0.0244252	-0.0253149	-0.0304211	-0.0352029	-0.0354434	-0.0380621	-0.0447177	-0.0213563	-0.025082	-0.0263037	-0.0219591	-0.0451124	-0.040636	-0.0227815	-0.026707	-0.023897	-0.0515844
T+56	-0.0195127	-0.019645	-0.0548577	-0.0557893	-0.0208933	-0.020133	-0.0184989	-0.024426	-0.0259945	-0.0309908	-0.0351681	-0.0354143	-0.0380746	-0.0447178	-0.0213581	-0.0251026	-0.0263059	-0.0219549	-0.0450599	-0.0406113	-0.0227791	-0.026678	-0.0238991	-0.051605
T+57	-0.0195101	-0.0196392	-0.0549192	-0.055864	-0.0208349	-0.0201304	-0.0184931	-0.0244269	-0.025295	-0.0304346	-0.0351335	-0.0353797	-0.0380872	-0.0447179	-0.02136	-0.0251231	-0.0263082	-0.0219508	-0.0450078	-0.0405866	-0.022766	-0.026686	-0.0238905	-0.0516256
T+58	-0.0195076	-0.0196335	-0.0549803	-0.0559598	-0.0208922	-0.020128	-0.0184513	-0.0244277	-0.0259724	-0.0309997	-0.035099	-0.0353501	-0.0380997	-0.0447179	-0.0213619	-0.0251436	-0.0263101	-0.0219467	-0.0449561	-0.0405621	-0.0227742	-0.0266931	-0.0238802	-0.0516461
T+59	-0.019505	-0.0196278	-0.05504	-0.0560359	-0.0208351	-0.0201258	-0.0184175	-0.0244286	-0.0257778	-0.030447	-0.0350647	-0.0353164	-0.0381122	-0.044718	-0.0213642	-0.0251568	-0.0263117	-0.0219426	-0.0449049	-0.0405378	-0.0227718	-0.0267009	-0.0238714	-0.0516666
T+60	-0.0195025	-0.0196223	-0.0551012	-0.0561285	-0.0208912	-0.0201238	-0.0184148	-0.0244294	-0.0259524	-0.0310075	-0.0350306	-0.0352866	-0.0381246	-0.0447181	-0.0213657	-0.0251844	-0.026315	-0.0219385	-0.0448542	-0.0405135	-0.0227693	-0.0267079	-0.0238817	-0.051687
T+61	-0.0195	-0.0196168	-0.0551611	-0.0562056	-0.0208354	-0.020122	-0.0184408	-0.0244302	-0.0252619	-0.0304583	-0.0349966	-0.0352536	-0.0381371	-0.0447181	-0.0213675	-0.0252047	-0.0263172	-0.0219344	-0.0448039	-0.0404894	-0.0227669	-0.0267154	-0.0238893	-0.0517074
T+62	-0.0194975	-0.0196114	-0.0552205	-0.0562954	-0.0208903	-0.0201203	-0.0184691	-0.0244311	-0.0259343	-0.0310143	-0.0349627	-0.0352236	-0.0381496	-0.0447182	-0.0213694	-0.0252249	-0.0263195	-0.0219303	-0.044754	-0.0404655	-0.0227645	-0.0267222	-0.023893	-0.0517278
T+63	-0.0194951	-0.019606	-0.0552794	-0.0563729	-0.0208358	-0.0201187	-0.0184761	-0.0244319	-0.0252481	-0.0304686	-0.034929	-0.0351912	-0.038162	-0.0447183	-0.0213713	-0.0252451	-0.0263217	-0.0219262	-0.0447045	-0.0404416	-0.0227621	-0.0267295	-0.0238905	-0.0517481
T+64	-0.0194927	-0.0196007	-0.055338	-0.0564604	-0.0208895	-0.0201173	-0.0184599	-0.0244328	-0.0259518	-0.0310203	-0.0348955	-0.0351611	-0.0381744	-0.0447183	-0.0213733	-0.0252653	-0.026324	-0.0219221	-0.0446555	-0.0404179	-0.0227597	-0.0267361	-0.0238852	-0.0517684
T+65	-0.0194903	-0.0195955	-0.0553981	-0.0565282	-0.020918	-0.0201148	-0.0184381	-0.0244336	-0.0252538	-0.0310778	-0.0348862	-0.0351293	-0.0381868	-0.0447184	-0.021376	-0.0252884	-0.0263264	-0.0219181	-0.0446069	-0.0403944	-0.0227573	-0.0267418	-0.0238811	-0.0517887
T+66	-0.019488	-0.0195904	-0.0554539	-0.0566235	-0.0208887	-0.0201148	-0.0184293	-0.0244344	-0.0259033	-0.0310255	-0.0348288	-0.0350992	-0.0381992	-0.0447185	-0.0213769	-0.0253054	-0.0263284	-0.0219139	-0.0445587	-0.0403709	-0.0227549	-0.0267497	-0.0238826	-0.0518089
T+67	-0.0194856	-0.0195853	-0.0555112	-0.0567011	-0.0208367	-0.0201136	-0.0184383	-0.0244353	-0.0252253	-0.0304868	-0.0347957	-0.0350678	-0.0382115	-0.0447185	-0.0213788	-0.0253254	-0.0263307	-0.0219098	-0.0445109	-0.0403476	-0.0227525	-0.0267565	-0.0238863	-0.0518291
T+68	-0.0194834	-0.0195802	-0.0555681	-0.0567847	-0.020888	-0.0201126	-0.0184544	-0.0244361	-0.0258899	-0.03103	-0.0347627	-0.0350378	-0.0382239	-0.0447186	-0.0213806	-0.0253453	-0.0263329	-0.0219057	-0.0444635	-0.0403244	-0.0227501	-0.0267628	-0.0238892	-0.0518492
T+69	-0.0194811	-0.0195753	-0.0556246	-0.0568621	-0.0208372	-0.0201117	-0.0184632	-0.0244369	-0.0252159	-0.0304949	-0.0347299	-0.0350068	-0.0382362	-0.0447187	-0.0213825	-0.0253652	-0.0263351	-0.0219016	-0.0444166	-0.0403014	-0.0227478	-0.0267694	-0.0238892	-0.0518693
T+70	-0.0194788	-0.0195704	-0.0556807	-0.056944	-0.0208873	-0.0201108	-0.0184587	-0.0244377	-0.0258778	-0.0310339	-0.0346972	-0.0349769	-0.0382485	-0.0447187	-0.0213844	-0.025385	-0.0263373	-0.0218975	-0.04437	-0.0402784	-0.0227454	-0.0267756	-0.0238868	-0.0518893
T+71	-0.0194766	-0.0195655	-0.0557364	-0.0570108	-0.0208377	-0.0201101	-0.0184447	-0.0244386	-0.0258277	-0.0310523	-0.0346647	-0.0349463	-0.0382608	-0.0447188	-0.0213864	-0.0254057	-0.0263395	-0.0218834	-0.0443238	-0.0402556	-0.022743	-0.026782	-0.0238845	-0.0519094
T+72	-0.0194744	-0.0195608	-0.0557917	-0.0571014	-0.0208867	-0.0201093	-0.018439	-0.0244394	-0.025867	-0.0310372	-0.0346323	-0.0349165	-0.0382731	-0.0447188	-0.0213881	-0.0254245	-0.0263418	-0.0218893	-0.0442781	-0.0402329	-0.0227407	-0.026788	-0.023884	-0.0519294
T+73	-0.0194723	-0.0195561	-0.0558466	-0.0571779	-0.0208381	-0.0201087	-0.0184404	-0.0244402	-0.0252005	-0.0305091	-0.0346	-0.0348862	-0.0382854	-0.0447189	-0.0213899	-0.0254441	-0.026344	-0.0218852	-0.0442327	-0.0402104	-0.0227383	-0.0267942	-0.0238854	-0.0519493
T+74	-0.0194701	-0.0195514	-0.0559011	-0.0572569	-0.0208861	-0.0201081	-0.0184483	-0.024441	-0.0258567	-0.03104	-0.0345679	-0.0348566	-0.0382976	-0.044719	-0.0213918	-0.0254637	-0.026342	-0.0218811	-0.0441877	-0.040188	-0.022736	-0.0268001	-0.0238872	-0.0519692
T+75	-0.019468	-0.0195468	-0.0559552	-0.0573327	-0.0208386	-0.0201075	-0.0184551	-0.0244418	-0.0251943	-0.0305154	-0.0345359	-0.0348266	-0.0383099	-0.044719	-0.0213937	-0.0254833	-0.0263484	-0.021877	-0.0441431	-0.0401657	-0.0227336	-0.0268061	-0.0238879	-0.0519891
T+76	-0.0194659	-0.0195423	-0.0560089	-0.0574105	-0.0208355	-0.0201071	-0.0184553	-0.0244426	-0.0258476	-0.0310223	-0.0345041	-0.0347972	-0.0383221	-0.0447191	-0.0213955	-0.0255028	-0.0263553	-0.0218772	-0.0440889	-0.0401435	-0.0227313	-0.0268119	-0.0238881	-0.0520089
T+77	-0.0194639	-0.019378	-0.0560623	-0.0574857	-0.0208391	-0.0201065	-0.01845	-0.0244435	-0.0251888	-0.0305213	-0.0344724	-0.0347675	-0.0383343	-0.0447192	-0.0213974	-0.0255222	-0.0263528	-0.0218688	-0.044055	-0.0401214	-0.022729	-0.0268177	-0.0238858	-0.0520287
T+78	-0.0194618	-0.0195334	-0.0561152	-0.0575622	-0.020885	-0.0201061	-0.0184444	-0.0244443	-0.0258392	-0.0310442	-0.0344409	-0.0347383	-0.0383465	-0.0447192	-0.0213992	-0.0255416	-0.026355	-0.0218647	-0.0440115	-0.0400995	-0.0227267	-0.0268233	-0.0238851	-0.0520485
T+79	-0.0194598	-0.019529	-0.0561678	-0.0576366	-0.0208396	-0.0201057	-0.0184432	-0.0244451	-0.0251841	-0.0305267	-0.0344095	-0.0347088	-0.0383587	-0.0447193	-0.0214011	-0.0255609	-0.0263572	-0.0218607	-0.0439684	-0.0400776	-0.0227244	-0.0268289	-0.0238855	-0.0520682
T+80	-0.0194578	-0.0195247	-0.05622	-0.0577121	-0.0208844	-0.0201053	-0.0184464	-0.0244459	-0.0258316	-0.0310458	-0.0343782	-0.0346798	-0.0383708	-0.0447194	-0.0214029	-0.0255802	-0.0263594	-0.0218566	-0.0439257

T+168	-0.0193489	-0.0192971	-0.0595772	-0.0626941	-0.0208703	-0.0201013	-0.0184453	-0.0245098	-0.0257167	-0.0310064	-0.0320914	-0.0325099	-0.0393807	-0.0447245	-0.021561	-0.0270821	-0.02654	-0.0215032	-0.0412704	-0.0385404	-0.0225401	-0.0271109	-0.0238863	-0.0536851
T+169	-0.0193482	-0.0192957	-0.0596039	-0.0627354	-0.0208539	-0.0201013	-0.0184453	-0.0245105	-0.0251964	-0.03063	-0.0320699	-0.0324892	-0.0393915	-0.0447245	-0.0215627	-0.0270971	-0.0265419	-0.0214992	-0.0412499	-0.0385269	-0.0225383	-0.0271124	-0.0238863	-0.0537018
T+170	-0.0193475	-0.0192944	-0.0596304	-0.0627764	-0.0208701	-0.0201013	-0.0184453	-0.0245111	-0.0257153	-0.031005	-0.0320486	-0.0324686	-0.0394024	-0.0447246	-0.0215645	-0.027112	-0.0265438	-0.0214953	-0.0412295	-0.0385135	-0.0225365	-0.027114	-0.0238863	-0.0537185
T+171	-0.0193468	-0.019293	-0.0596566	-0.0628172	-0.0208541	-0.0201013	-0.0184453	-0.0245118	-0.0251976	-0.0306314	-0.0320274	-0.032448	-0.0394132	-0.0447246	-0.0215662	-0.0271269	-0.0265458	-0.0214913	-0.0412093	-0.0385002	-0.0225346	-0.0271155	-0.0238863	-0.0537351
T+172	-0.0193461	-0.0192916	-0.0596827	-0.0628576	-0.0208699	-0.0201013	-0.0184452	-0.0245124	-0.025714	-0.0310037	-0.0320062	-0.0324275	-0.039424	-0.0447247	-0.021568	-0.0271418	-0.0265477	-0.0214874	-0.0411893	-0.038487	-0.0225328	-0.0271171	-0.0238863	-0.0537518
T+173	-0.0193454	-0.0192903	-0.0597086	-0.0628978	-0.0208543	-0.0201013	-0.0184452	-0.0245131	-0.0251989	-0.0306327	-0.0319851	-0.0324071	-0.0394347	-0.0447247	-0.0215697	-0.0271566	-0.0265496	-0.0214835	-0.0411694	-0.0384738	-0.022531	-0.0271186	-0.0238863	-0.0537684
T+174	-0.0193448	-0.019289	-0.0597343	-0.0629376	-0.0208698	-0.0201013	-0.0184452	-0.0245137	-0.0257127	-0.0310024	-0.0319642	-0.0323868	-0.0394455	-0.0447248	-0.0215714	-0.0271713	-0.0265515	-0.0214795	-0.0411497	-0.0384607	-0.0225292	-0.02712	-0.0238863	-0.0537849
T+175	-0.0193441	-0.0192877	-0.0597598	-0.0629772	-0.0208545	-0.0201013	-0.0184452	-0.0245144	-0.0252001	-0.0306341	-0.0319433	-0.0323666	-0.0394562	-0.0447248	-0.0215732	-0.0271861	-0.0265534	-0.0214756	-0.0411301	-0.0384477	-0.0225273	-0.0271215	-0.0238863	-0.0538015
T+176	-0.0193435	-0.0192864	-0.0597851	-0.0630166	-0.0208696	-0.0201013	-0.0184452	-0.024515	-0.0257114	-0.0310011	-0.0319224	-0.0323464	-0.039467	-0.0447249	-0.0215749	-0.0272007	-0.0265553	-0.0214716	-0.0411107	-0.0384347	-0.0225255	-0.0271229	-0.0238863	-0.053818
T+177	-0.0193428	-0.0192851	-0.0598101	-0.0630556	-0.0208547	-0.0201013	-0.0184451	-0.0245157	-0.0252014	-0.0306354	-0.0319017	-0.0323263	-0.0394777	-0.0447249	-0.0215766	-0.0272154	-0.0265572	-0.0214677	-0.0410915	-0.0384218	-0.0225237	-0.0271244	-0.0238863	-0.0538344
T+178	-0.0193422	-0.0192839	-0.059835	-0.0630944	-0.0208694	-0.0201013	-0.0184451	-0.0245163	-0.0257101	-0.0309999	-0.0318811	-0.0323063	-0.0394884	-0.044725	-0.0215784	-0.02723	-0.0265591	-0.0214637	-0.0410724	-0.038409	-0.0225219	-0.0271258	-0.0238863	-0.0538509
T+179	-0.0193415	-0.0192826	-0.0598597	-0.0631329	-0.0208548	-0.0201013	-0.0184451	-0.0245169	-0.0252026	-0.0306367	-0.0318605	-0.0322863	-0.0394991	-0.044725	-0.0215801	-0.0272445	-0.026561	-0.0214598	-0.0410534	-0.0383962	-0.0225201	-0.0271271	-0.0238863	-0.0538673
T+180	-0.0193409	-0.0192814	-0.0598843	-0.0631712	-0.0208693	-0.0201013	-0.0184451	-0.0245176	-0.0257088	-0.0309986	-0.0318401	-0.0322665	-0.0395098	-0.0447251	-0.0215818	-0.027259	-0.0265629	-0.0214559	-0.0410346	-0.0383835	-0.0225183	-0.0271285	-0.0238863	-0.0538837
T+181	-0.0193403	-0.0192802	-0.0599086	-0.0632091	-0.020855	-0.0201013	-0.0184451	-0.0245182	-0.0252039	-0.030638	-0.0318197	-0.0322467	-0.0395204	-0.0447251	-0.0215836	-0.0272735	-0.0265648	-0.0214519	-0.041016	-0.0383709	-0.0225166	-0.0271298	-0.0238863	-0.0539

DJNie21std:ES	DJSig12ged:ES	DJSis11std:ES	DJSig11std:ES	DJSic11std:ES	DJSis11std:ES	DJSue22std:ES	DJSue21std:ES	DJSug22std:ES	DJSug21std:ES	DJWEe11ged	DJWEe12ged	DJWEe11std:ES	DJWEe12std:ES	DJNie22std:ES	DJNie21std:ES	DJJHe11ged:ES	DJJHe12ged:ES	DJJHe11std:ES	DJJHe12std:ES	DJPEe11ged:ES	DJPEe12ged:ES	DJPEe11std:ES	DJPEe12std:ES
-0.1612759	-0.0223109	-0.0360046	-0.0348034	-0.0281865	-0.0721125	-0.0548045	-0.0550564	-0.0668189	-0.0659472	-0.0346065	-0.0397456	-0.0405844	-0.0473779	-0.0460569	-0.0445543	-0.0654392	-0.0591713	-0.0863268	-0.0769118	-0.0279732	-0.0235472	-0.0234922	-0.0323945	-0.031799
-0.0928812	-0.022596	-0.0362924	-0.0352365	-0.0513452	-0.0723054	-0.0680047	-0.067631	-0.0818577	-0.0804448	-0.0370598	-0.0345656	-0.0426995	-0.0387619	-0.052168	-0.0504002	-0.0647023	-0.0748985	-0.0855925	-0.100948	-0.0258652	-0.0235496	-0.0233021	-0.0324213	-0.0315942
-0.0927513	-0.0224361	-0.0366806	-0.0357656	-0.0549054	-0.0724159	-0.0680081	-0.067563	-0.0873992	-0.0864656	-0.0373062	-0.0404928	-0.0428646	-0.0478562	-0.052099	-0.0503842	-0.0640647	-0.0610365	-0.0849715	-0.0796667	-0.0268856	-0.023552	-0.0234475	-0.032448	-0.0317616
-0.0926224	-0.0226362	-0.0370643	-0.0362865	-0.0578045	-0.0725261	-0.0679183	-0.0674954	-0.0895502	-0.0890758	-0.0371983	-0.0360353	-0.0427706	-0.0401814	-0.0520899	-0.0503683	-0.0634959	-0.0700472	-0.0844281	-0.0943171	-0.0269742	-0.0235544	-0.0233488	-0.0324747	-0.0317094
-0.0924945	-0.0225989	-0.0374437	-0.0367994	-0.0602065	-0.072636	-0.0678285	-0.0674284	-0.0903272	-0.090129	-0.0370364	-0.039078	-0.0426438	-0.0463035	-0.0520802	-0.0503524	-0.0629753	-0.0617974	-0.0839383	-0.0810607	-0.0270624	-0.0235568	-0.0234277	-0.0325014	-0.0317869
-0.0923676	-0.0227154	-0.0378189	-0.0373048	-0.0622246	-0.0727457	-0.0677394	-0.067362	-0.090525	-0.09044	-0.0368691	-0.0364423	-0.0425146	-0.0408604	-0.0520705	-0.0503365	-0.0624895	-0.0668571	-0.0834861	-0.0898836	-0.0271504	-0.0235592	-0.0233774	-0.0325281	-0.0317878
-0.0922417	-0.0227296	-0.0381901	-0.037803	-0.0639405	-0.0728551	-0.067651	-0.067296	-0.0904759	-0.0903914	-0.0367041	-0.0380898	-0.042387	-0.0451214	-0.0520609	-0.0503206	-0.0620291	-0.0618435	-0.0830609	-0.0815071	-0.0272379	-0.0235616	-0.0234211	-0.0325547	-0.0318339
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-0.0801559	-0.0259589	-0.0767489	-0.0854795	-0.108541	-0.0883725	-0.0591175	-0.0609114	-0.0683508	-0.0579556	-0.0292149	-0.0291106	-0.0349973	-0.0351714	-0.0506282	-0.0480301	-0.0363928	-0.0347549	-0.057614	-0.0520901	-0.0373584	-0.0238798	-0.0239528	-0.0367705	-0.0364649
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-0.0800492	-0.0259709	-0.0772113	-0.0860299	-0.1089042	-0.0885996	-0.0590416	-0.0608548	-0.0681812	-0.0577688	-0.0291994	-0.029094	-0.0349704	-0.0351433	-0.0506065	-0.0479965	-0.0362764	-0.0346615	-0.0574838	-0.0520068	-0.0374627	-0.0238841	-0.0239601	-0.0368383	-0.0365394

DJSOe21ged	DJSOe21stdE	SEFPs11gedE	SEFPe11gedE	SEFPe12gedE	SEFPe11stdE	SEPPe12stdE	SEECs11gedE	SEECe11gedE	SEECe12gedE	SEECe21stdE	SEFLe11gedE	SEFig11gedE	SEUTe11gedE	SEUTe12gedE	SEUTc11gedE	SEUTe11stdE	SEUTc11stdE	SETRe11gedE	SEMOe11gedE	SEMOe12gedE	SEMOe11stdE	SEOGe11gedE	SEOGe12ged	SEOGe11stdE
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SEOEe11ged	SEOEe12ged	SEOEe11stdE	SEAIs11ged	SEAIe11ged	SEAIe12ged	SEAIe11stdS	SEISe11ged	SEISe12ged	SEISe11stdES	SEISe12stdES	SERRe11ged	SERRe11stdE	SERRe12ged	SEAEs11ged	SEAEe11ged	SESOe11ged	SESOe11stdE	SESOe12stdE	SETEe12ged	SETEs11stdES	SETEe11stdE	SETEe12stdE
-0.0290865	-0.029275	-0.0422666	-0.0279159	-0.0291012	-0.0278572	-0.0359032	-0.0094696	-0.0090352	-0.0080546	-0.0117429	-0.0111823	-0.0162305	-0.0220589	-0.0224487	-0.0314789	-0.0289948	-0.0163933	-0.0198082	-0.0210256	-0.0228009	-0.0220876	-0.0273577	-0.0362606	-0.034801
-0.0279234	-0.0275606	-0.0413221	-0.0272003	-0.0285205	-0.0284145	-0.0348364	-0.0097123	-0.0096928	-0.0097017	-0.0120539	-0.0120286	-0.0158067	-0.0217417	-0.0224218	-0.0310521	-0.0288683	-0.0159358	-0.0194589	-0.0187936	-0.0224701	-0.0219516	-0.0274148	-0.0360446	-0.0346867
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SEBEe12gedE	SEBEe11stdE	SEETe12gedE	SEETe12gedE	SEETe11stdE	SEETe12stdE	SECHe12gedE	SECHe12gedE	SECHe11stdE	SECHe12stdE	SEAPe12gedE	SEAPe11stdE	SEAPe12stdE	BITCs12gedE	BITCs12gedE	BITCc11gedE	LITCs12gedE	LITCc12gedE	LITCc12gedE	GREXe12gedI	GREXe12gedI	GREXe21gedI	DAXPs11gedE	DAXPs11stdESNO
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-0.017949	-0.0265284	-0.0147915	-0.0147174	-0.0248428	-0.0246219	-0.0185044	-0.0184096	-0.0286862	-0.0287839	-0.0259243	-0.041834	-0.0432693	-0.2090394	-0.2003654	-0.1344416	-0.2505101	-0.125214	-0.1266888	-0.0027812	-0.002758	-0.0027566	-0.0158579	-0.0254637
-0.0179498	-0.0265312	-0.0147918	-0.0147178	-0.0248433	-0.0246226	-0.0185047	-0.01841	-0.0286872	-0.0287851	-0.0259193	-0.0418399	-0.0432817	-0.2095501	-0.2008615	-0.1346071	-0.2510358	-0.1252135	-0.1266832	-0.0027812	-0.002758	-0.0027568	-0.0158579	-0.0254639
-0.0179506	-0.026534	-0.014792	-0.0147182	-0.0248437	-0.0246232	-0.018505	-0.0184103	-0.0286882	-0.0287862	-0.0259144	-0.0418457	-0.0432939	-0.2100591	-0.2013561	-0.1347715	-0.2515598	-0.125213	-0.1266776	-0.0027812	-0.002758	-0.002757	-0.0158579	-0.025464
-0.0179513	-0.0265368	-0.0147922	-0.0147186	-0.0248442	-0.0246239	-0.0185052	-0.0184107	-0.0286892	-0.0287874	-0.0259095	-0.0418515	-0.0433061	-0.2105663	-0.2018491	-0.1349347	-0.2520823	-0.1252125	-0.1266719	-0.0027812	-0.002758	-0.0027572	-0.0158579	-0.0254642
-0.0179521	-0.0265395	-0.0147924	-0.014719	-0.0248446	-0.0246245	-0.0185055	-0.018411	-0.0286901	-0.0287885	-0.0259047	-0.0418572	-0.0433182	-0.2110718	-0.2023405	-0.1350969	-0.2526032	-0.1252119	-0.1266663	-0.0027812	-0.002758	-0.0027574	-0.0158579	-0.0254643
-0.0179528	-0.0265422	-0.0147927	-0.0147193	-0.0248451	-0.0246251	-0.0185057	-0.0184113	-0.0286911	-0.0287896	-0.0259	-0.0418628	-0.0433302	-0.2115756	-0.2028303	-0.1352581	-0.2531224	-0.1252114	-0.1266607	-0.0027812	-0.002758	-0.0027577	-0.0158579	-0.0254644

VRST GARCH

	DJACe12gedVRST	DJACe12gedVRST	DJACe11stdVRST	DJACe12stdVRST	DJACe11norVRST	DJACe12norV	DJACe12nor\	DJALs11gedV	DJALe11gedV	DJALe12gedV	DJALd11gedV	DJALe11stdVl	DJALs11stdVl	DJALe11norV	DJALe12norV	DJCCe11gedV	DJCCe12gedV	DJCCs11stdVl	DJCCe11stdV	DJCFe22gedV	DJCFe12gedV	DJCFg21gedV
T+1	-0.013999615	-0.01399535	-0.035202747	-0.031904622	-0.013344615	-0.0133522	-0.0134233	-0.0173688	-0.0172912	-0.0103268	-0.0130917	-0.020568	-0.0199682	-0.0155454	-0.0152873	-0.0251441	-0.0236439	-0.0259257	-0.0308887	-0.0181971	-0.0181998	-0.0198244
T+2	-0.013478689	-0.013943385	-0.034755197	-0.037212521	-0.01297916	-0.0131995	-0.0132597	-0.0166161	-0.0163651	-0.0064879	-0.0209256	-0.0209902	-0.0204615	-0.0156304	-0.0157573	-0.0235756	-0.0250337	-0.0233689	-0.0284041	-0.0160009	-0.018314	-0.0194479
T+3	-0.013475315	-0.013599142	-0.034811893	-0.032156467	-0.013024127	-0.0131051	-0.0132946	-0.0160857	-0.0160163	-0.0079983	-0.0190489	-0.019911	-0.0196958	-0.0151964	-0.0151282	-0.0252481	-0.0241118	-0.0254064	-0.0304095	-0.0156823	-0.0172922	-0.019092
T+4	-0.01347198	-0.01382357	-0.034872199	-0.036754391	-0.013068661	-0.0132422	-0.0133292	-0.0159201	-0.0157484	-0.0142173	-0.0179428	-0.0204686	-0.020351	-0.0153024	-0.0153245	-0.02528	-0.0264015	-0.0253771	-0.0303811	-0.0153542	-0.0175035	-0.0187973
T+5	-0.013468685	-0.013654419	-0.034932115	-0.032795353	-0.013112762	-0.0132286	-0.0133634	-0.0156062	-0.0155716	-0.0208275	-0.0173879	-0.019489	-0.0196846	-0.0149532	-0.0149479	-0.0253775	-0.0245213	-0.0255531	-0.0305453	-0.0151276	-0.0168805	-0.018573
T+6	-0.013465428	-0.013758488	-0.034991645	-0.036433302	-0.013156433	-0.0133119	-0.0133974	-0.0155347	-0.0154028	-0.018935	-0.0170463	-0.0201041	-0.0203873	-0.0150606	-0.0150646	-0.0253649	-0.0262339	-0.0255736	-0.0305575	-0.0149639	-0.0170578	-0.0184053
T+7	-0.01346221	-0.013673429	-0.03505079	-0.033335741	-0.013199676	-0.0133317	-0.013431	-0.0152808	-0.0152618	-0.0125915	-0.0168882	-0.0191748	-0.0197539	-0.0147728	-0.0147936	-0.025346	-0.0247067	-0.0255977	-0.0305723	-0.0148465	-0.0166775	-0.0182805
T+8	-0.01345903	-0.013719695	-0.03510955	-0.036216911	-0.013242484	-0.0133918	-0.0134643	-0.0152497	-0.0151312	-0.0090979	-0.016782	-0.0188205	-0.0194736	-0.0148736	-0.0148933	-0.0253188	-0.0259978	-0.0256091	-0.0305747	-0.0147623	-0.0168377	-0.0183879
T+9	-0.013455887	-0.01367511	-0.035167929	-0.033796251	-0.013284889	-0.013425	-0.0134973	-0.0150333	-0.0150115	-0.0090667	-0.0167394	-0.0189217	-0.0198342	-0.0146328	-0.0146678	-0.0252903	-0.024819	-0.0256197	-0.0305762	-0.0147021	-0.0165862	-0.0181193
T+10	-0.013452782	-0.013693679	-0.035225927	-0.03608088	-0.013326863	-0.0134748	-0.01353	-0.0150303	-0.0149029	-0.0118953	-0.0167057	-0.0195849	-0.0205517	-0.0147239	-0.0147423	-0.0252613	-0.0257975	-0.0256291	-0.0305765	-0.0146591	-0.0166939	-0.0180685
T+11	-0.013449712	-0.013668633	-0.035283547	-0.034192279	-0.013368419	-0.0135132	-0.0135624	-0.0148428	-0.0148047	-0.0155809	-0.0166955	-0.0187078	-0.0199326	-0.0145208	-0.0145653	-0.0252322	-0.0248911	-0.0256384	-0.0305767	-0.0146284	-0.0165542	-0.018031
T+12	-0.013446679	-0.013673982	-0.035340789	-0.036006724	-0.01340956	-0.0135582	-0.0135944	-0.0148612	-0.0147147	-0.0163534	-0.0166845	-0.0193823	-0.0206338	-0.0146018	-0.0146297	-0.0252032	-0.0256322	-0.0256475	-0.0305768	-0.0146068	-0.0166359	-0.0180035
T+13	-0.013443682	-0.013658416	-0.035397657	-0.034536416	-0.013450287	-0.0135981	-0.013626	-0.0146966	-0.0146328	-0.0137727	-0.0166831	-0.0185224	-0.020016	-0.0144296	-0.0144811	-0.0251744	-0.0249343	-0.0256567	-0.0305769	-0.0145916	-0.0165534	-0.0179835
T+14	-0.013440719	-0.013657503	-0.03545415	-0.035980298	-0.013490604	-0.0136405	-0.0136576	-0.014731	-0.0145579	-0.0111507	-0.0166795	-0.0192051	-0.0207089	-0.0145008	-0.0145369	-0.0251456	-0.0254943	-0.0256557	-0.0305769	-0.014581	-0.0166156	-0.0179689
T+15	-0.013437792	-0.013646583	-0.035510272	-0.03483887	-0.013530513	-0.013686	-0.0136887	-0.0145846	-0.0144895	-0.010385	-0.01668	-0.0183598	-0.0200921	-0.0143544	-0.0144113	-0.025117	-0.0249555	-0.0256748	-0.030577	-0.0145737	-0.0165688	-0.0179584
T+16	-0.013434899	-0.01364275	-0.035566024	-0.035990716	-0.013570016	-0.0137215	-0.0137196	-0.014631	-0.014427	-0.0114893	-0.016679	-0.0190486	-0.0207766	-0.0144166	-0.0144595	-0.0250885	-0.0253772	-0.0256839	-0.030577	-0.0145688	-0.0166167	-0.0179511
T+17	-0.01343204	-0.013634151	-0.035621408	-0.03510786	-0.013609117	-0.0137611	-0.0137501	-0.0144991	-0.0143699	-0.0134705	-0.0166799	-0.0182164	-0.0201609	-0.014292	-0.014353	-0.0250601	-0.0249599	-0.0256929	-0.0305771	-0.0145657	-0.0165925	-0.017946
T+18	-0.013429215	-0.013629001	-0.035676425	-0.036029559	-0.013647817	-0.0138008	-0.013784	-0.0145542	-0.0143176	-0.0145439	-0.0166799	-0.0189098	-0.0208374	-0.0143462	-0.0143947	-0.0250319	-0.0252761	-0.0257019	-0.0305771	-0.0145638	-0.0166302	-0.0179426
T+19	-0.013426422	-0.013621604	-0.035731077	-0.035349979	-0.01368612	-0.0138397	-0.0138103	-0.0144339	-0.0142698	-0.0137919	-0.0166807	-0.0180894	-0.020223	-0.0142399	-0.0143041	-0.0250037	-0.0249516	-0.0257109	-0.0305772	-0.0145628	-0.0166202	-0.0179405
T+20	-0.013423663	-0.013615904	-0.035785366	-0.036099093	-0.013724029	-0.0138784	-0.01384	-0.0144954	-0.0142261	-0.0132861	-0.0166811	-0.0178864	-0.0208917	-0.0142871	-0.0143901	-0.0249758	-0.0251872	-0.0257199	-0.0305772	-0.0145625	-0.0166507	-0.0179394
T+21	-0.01342039	-0.013609167	-0.035839293	-0.035570486	-0.013761545	-0.013916	-0.0138693	-0.0143843	-0.0141861	-0.0114289	-0.0166818	-0.0179768	-0.020279	-0.0141964	-0.0142631	-0.0249479	-0.0249337	-0.0257289	-0.0305773	-0.0145626	-0.0166497	-0.0179389
T+22	-0.013418241	-0.013603287	-0.035892861	-0.036167831	-0.013798671	-0.0139543	-0.0138984	-0.0144502	-0.0141494	-0.0116825	-0.0166823	-0.0186766	-0.0209403	-0.0142373	-0.0142941	-0.0249202	-0.0251078	-0.0257379	-0.0305773	-0.0145631	-0.0166754	-0.017939
T+23	-0.013415578	-0.013596948	-0.035946071	-0.035773573	-0.013835411	-0.0139915	-0.0139272	-0.0143467	-0.0141159	-0.0126672	-0.016683	-0.0187868	-0.0203294	-0.0141599	-0.0142286	-0.0248926	-0.0249084	-0.0257469	-0.0305774	-0.0145638	-0.0166801	-0.0179395
T+24	-0.013412946	-0.013591061	-0.035998925	-0.036258206	-0.013871767	-0.0140284	-0.0139557	-0.0144155	-0.0140851	-0.0134912	-0.0166836	-0.0185787	-0.0209837	-0.0141955	-0.0142553	-0.0248651	-0.0250356	-0.0257558	-0.0305774	-0.0145646	-0.0167023	-0.0179402
T+25	-0.013410344	-0.013586993	-0.036051425	-0.035962567	-0.013907742	-0.0140649	-0.0139838	-0.0143782	-0.014057	-0.013451	-0.0166843	-0.0183782	-0.0210375	-0.0141294	-0.0141996	-0.0248378	-0.0248777	-0.0257648	-0.0305775	-0.0145656	-0.0167107	-0.0179412
T+26	-0.01340774	-0.013579181	-0.036103571	-0.036353817	-0.013943339	-0.0141001	-0.0140119	-0.0143889	-0.0140312	-0.012739	-0.0166849	-0.0181913	-0.0210225	-0.0141602	-0.0142225	-0.0248105	-0.0249691	-0.0257737	-0.0305775	-0.0145667	-0.0167305	-0.0179424
T+27	-0.013405233	-0.01357332	-0.036155367	-0.036140107	-0.01397856	-0.0141366	-0.0140395	-0.0142967	-0.0140075	-0.0120941	-0.0166855	-0.0177092	-0.0204161	-0.0141038	-0.0141751	-0.0247834	-0.0248428	-0.0257826	-0.0305776	-0.0145679	-0.0167413	-0.0179436
T+28	-0.01340272	-0.01356762	-0.036206814	-0.036465738	-0.014013409	-0.0141718	-0.0140669	-0.0143684	-0.0139859	-0.0120023	-0.0166861	-0.0184132	-0.0210571	-0.0141304	-0.0141948	-0.0247565	-0.024907	-0.0257915	-0.0305776	-0.014569	-0.0167595	-0.017945
T+29	-0.013400241	-0.013561933	-0.036257913	-0.036308285	-0.014047887	-0.0142066	-0.014094	-0.0142806	-0.013966	-0.0124268	-0.0166867	-0.0176392	-0.0204532	-0.0140822	-0.0141544	-0.0247296	-0.0248049	-0.0258004	-0.0305776	-0.0145703	-0.0167717	-0.0179464
T+30	-0.013397789	-0.013556361	-0.036308667	-0.03657857	-0.014081999	-0.0142411	-0.0141208	-0.0143526	-0.0139478	-0.0129463	-0.0166873	-0.0183435	-0.0210879	-0.014054	-0.0141714	-0.0247029	-0.0248483	-0.0258093	-0.0305777	-0.0145715	-0.0167888	-0.0179479
T+31	-0.013395365	-0.013550831	-0.036359574	-0.036463674	-0.014115746	-0.0142751	-0.0141252	-0.0143426	-0.0139097	-0.0131106	-0.0166888	-0.0179311	-0.0210766	-0.0140642	-0.0141327	-0.0246763	-0.0248917	-0.0258182	-0.0305777	-0.0145728	-0.0168057	-0.0179494
T+32	-0.01339297	-0.013545392	-0.036409145	-0.036695325	-0.014149132	-0.0143087	-0.0141737	-0.0143404	-0.0139158	-0.0128407	-0.0166886	-0.0182811	-0.0211155	-0.0140842	-0.0141516	-0.0246498	-0.0247923	-0.025827	-0.0305778	-0.0145741	-0.0168183	-0.0179509
T+33	-0.013390603	-0.013540009	-0.036458872	-0.036622823	-0.014182159	-0.0143419	-0.0141998	-0.0142594	-0.013901	-0.0124477	-0.0166892	-0.0175215	-0.0205171	-0.014049	-0.0141223	-0.0246234	-0.024723	-0.0258359	-0.0305778	-0.0145753	-0.016832	-0.0179524
T+34	-0.013388263	-0.013534704	-0.036508261	-0.036814836	-0.01421483	-0.0143748	-0.0142255	-0.0143309	-0.0138889	-0.012273	-0.0166898	-0.0182252	-0.02114	-0.0140663	-0.0141349	-0.0245972	-0.0247385	-0.0258447	-0.0305779	-0.0145766	-0.0168479	-0.017954
T+35	-0.013385951	-0.01352946	-0.036557313	-0.036771529	-0.014247149	-0.0144072	-0.014251	-0.0142528	-0.0138771	-0.0124114	-0.0166904	-0.0174723	-0.0205446	-0.0140362	-0.01411	-0.024571	-0.02468	-0.0258536	-0.0305779	-0.0145779	-0.0168619	-0.0179555
T+36	-0.013383667	-0.013524288	-0.03660603	-0.03693619	-0.014279117	-0.0144393	-0.0142763	-0.0143235	-0.0138663	-0.0126968	-0.016691	-0.0181752	-0.0211618	-0.0140512	-0.0141207	-0.024545	-0.0246864	-0.0258624	-0.030578	-0.0145792	-0.0168774	-0.017971
T+37	-0.013381408	-0.013519179	-0.036654414	-0.036915082	-0.014310739	-0.014471	-0.0143013	-0.0142479	-0.0138563	-0.0128704	-0.0166917	-0.0174286	-0.0206496	-0.0140255	-0.0140905	-0.0245191	-0.0246363	-0.0258712	-0.030578	-0.0145805	-0.0168967	-0.0179587
T+38	-0.01339717	-0.013514137	-0.036702466	-0.037058672	-0.014342016	-0.0145021	-0.014326	-0.0143177	-0.0138472	-0.0128067	-0.0166923	-0.0181303	-0.0211813	-0.0140385	-0.0141087	-0.0244934	-0.0246358	-0.02588	-0.0305781	-0.0145818	-0.0169068	-0.0179603
T+39	-0.013376971	-0.013509159	-0.036750188	-0.03705595	-0.014372952	-0.0145332	-0.0143505	-0.0142443	-0.0138389	-0.0126029	-0.0166929	-0.0173897	-0.0205922	-0.0140165	-0.0140907	-0.0244677	-0.0245921	-0.0258887	-0.0305781	-0.0145831	-0.0169212	-0.0179619
T+40	-0.01337479	-0.013504244	-0.036797583	-0.037181722	-0.014403549	-0.0145638	-0.0143747	-0.0143131	-0.0138312	-0.0124525	-0.0166935	-0.0180901	-0.0211985	-0.0140277	-0.0140986	-0.0244421	-0.0245863	-0.0258975	-0.0305782	-0.0145844	-0.0169361	-0.0179634
T+41	-0.013372637	-0.013499392	-0.036844651	-0.037192826	-0.01443381	-0.014594	-0.0143987	-0.0142418	-0.0138242	-0.0124659	-0.0166941	-0.0173552	-0.0206127	-0.014009	-0.0140832	-0.0244167	-0.0245476	-0.0259063	-0.0305782	-0.0145857	-0.0169505	-0.017965
T+42	-0.013370508	-0.013494602	-0.036893394	-0.037304901	-0.014463778	-0.0146239	-0.0144227	-0.0142393	-0.013817	-0.012602	-0.0166947	-0.0180854	-0.0212139	-0.0140188	-0.0140914	-0.0243574	-0.0245378	-0.025915	-0.0305783	-0.0145871	-0.0169653	-0.0179666
T+43	-0.013368404	-0.013489873	-0.036937825	-0.037326724	-0.014493337	-0.0146534	-0.014446	-0.014224	-0.0138118	-0.0127284	-0.0166953	-0.0173246	-0.0206313	-0.0140026	-0.0140769	-0.0243662	-0.0245029	-0.0259237	-0.0305783	-0.0145883	-0.0169797	-0.0179682
T+44	-0.013366324	-0.013485205	-0.036983915	-0.037427867	-0.014522609	-0.0146825	-0.0144692	-0.0143064	-0.0138063	-0.0127426	-0.0166959	-0.0180215	-0.0212274	-0.014011	-0.0140828	-0.0243411	-0.0244901	-0.0259324	-0.0305783	-0.0145896	-0.0169944	-0.0179697
T+45	-0.013364269	-0.013480596	-0.037029695	-0.037457964	-0.014551556	-0.0147113	-0.0144922	-0.0142389	-0.013801	-0.0126534	-0.0166965	-0.0172974	-0.0206483	-0.0139973	-0.0140716	-0.0243161	-0.0244582	-0.0259411	-0.0305784	-0.0145909	-0.0170088	-0.0179713
T+46	-0.013362238	-0.013476045	-0.037075159	-0.037550356	-0.014580181	-0.0147397	-0.014515	-0.014304	-0.0137968	-0.0125533	-0.0166971	-0.0179924	-0.0212394	-0.0140045	-0.0140766	-0.0242913	-0.0244432	-0.0259498	-0.0305784	-0.0145922	-0.0170233	-0.0179729
T+47	-0.01336023	-0.013471553	-0.037120306	-0.037586805	-0.014608488	-0.0147678	-0.014537	-0.0142381	-0.0137926	-0.0125255	-0.0166977	-0.0172733	-0.0206638	-0.0139928	-0.0140671	-0.0242665	-0.0244136	-0.0259585	-0.0305785	-0.0145935	-0.0170376	-0.0179745
T+48	-0.013358246	-0.013467117	-0.037165139	-0.037672158	-0.01463648	-0.0147956	-0.0145598	-0.014302	-0.0137887	-0.0125789	-0.0166983	-0.0179661	-0.021025	-0.013999	-0.0140714	-0.0242403	-0.0243969	-0.0259672	-0.0305785	-0.0145948	-0.0170521	-0.017976
T+49	-0.013356285	-0.013462738	-0.03720966	-0.037713449	-0.014664158	-0.014823	-0.0145819	-0.0142378	-0.0137852	-0.0126554	-0.0166989	-0.0172519	-0.0206779	-0.013989	-0.0140633	-0.0242173	-0.0243691	-0.0259759	-0.0305786	-0.0145961	-0.0170663	-0.0179776
T+50	-0.013354348	-0.013458415	-0.037253871	-0.037793114	-0.014691526	-0.0148501	-0.014638	-0.0143003	-0.0137819	-0.0126881	-0.0166995	-0.0179425	-0.0212594	-0.013994	-0.014067	-0.0241929	-0.0243512	-0.0259845	-0.0305786	-0.0145974	-0.0170807	-0.0179792
T+51	-0.013352432	-0.013454147	-0.037297773	-0.037838061	-0.014718587	-0.0148769	-0.0146254	-0.0142376	-0.0137789	-0.0126582	-0.0167	-0.0172333	-0.0206907	-0.0139858	-0.0140601	-0.0241686	-0.0243248	-0.0259931	-0.0305787	-0.0145987	-0.0170949	-0.0179807
T+52	-0.013350539	-0.013449933	-0.037341368	-0.037913101	-0.014745343	-0.0149033	-0.014668	-0.0142988	-0.0137762	-0.0126017	-0.0167006	-0.0179212	-0.0212676	-0.0139905	-0.0140633	-0.0241444	-0.024306	-0.0260018	-0.0305787	-0.0146	-0.0171092	-0.0179823
T+53	-0.013348669	-0.013445773	-0.037384657	-0.037960771	-0.014771798	-0.0149294	-0.0146679	-0.0142377	-0.013773	-0.0125696	-0.0167012	-0.0172163	-0.0207025	-0.0139831	-0.0140574	-0.0241203	-0.0242807	-0.0260104	-0.0305788	-0.0146012	-0.0171233	-0.0179838
T+54	-0.01334682	-0.013441665	-0.037427248	-0.038003804	-0.014797793	-0.0149552	-0.0146889	-0.0142397	-0.0137714	-0.0125383	-0.0167018	-0.017907	-0.0212748	-0.0139872	-0.0140607	-0.0240963	-0.0242612	-0.026018	-0.0305788	-0.0146025	-0.0171373	-0.0179854
T+55	-0.013344992	-0.01343761	-0.037470327	-0.038081684	-0.014823813	-0.0149806	-0.014709	-0.0142379	-0.013769	-0.0126232	-0.0167024	-0.0172015	-0.0207133	-0.0139809	-0.0140552	-0.0240724	-0.0242369	-0.0260276	-0.0305788	-0.0146038	-0.0171516	-0.0179869
T+56	-0.013343186	-0.013433606	-0.037512711	-0.03814981	-0.014849379	-0.0150058	-0.0147301	-0.0142965	-0.0137673	-0.0126519	-0.016703	-0.0178846	-0.021281	-0.0139844	-0.0140575	-0.0240486	-0.024217	-0.0260362	-0.0305789	-0.0146051	-0.0171657	-0.0179885
T+57	-0.013341401	-0.013429653	-0.037554797	-0.038200888	-0.014874654	-0.0150306	-0.014754	-0.0142381	-0.0137656	-0.012648	-0.0167036	-0.0171884	-0.0207231	-0.013979	-0.0140532	-0.024025	-0.0241933	-0.0260447	-0.0305789	-0.0146064	-0.0171797	-0.01799
T+58	-0.01333637	-0.01342575	-0.037596585	-0.038266407	-0.014899642	-0.0150552	-0.0147704	-0.0142955	-0.0137639	-0.0126205	-0.0167041	-0.0171868	-0.021265	-0.013982	-0.0140552	-0.0240014	-0.0241731	-0.0260533	-0.030579	-0.0146077	-0.0171937	-0.0179916
T+59	-0.013337894	-0.013421897	-0.037638078	-0.038316853	-0.014924344	-0.0150901	-0.0148104	-0.0142924	-0.0137624	-0.0125963	-0.0167047	-0.0171768	-0.0212302	-0.0139726	-0.0140516	-0.0239779	-0.024155	-0.0260634	-0.0305789	-0.0146089	-0.0172076	-0.0179931
T+60	-0.01333617	-0.013418093	-0.03767928	-0.038381773	-0.014948764	-0.0151033	-0.0148099	-0.014296	-0.013761	-0.0125944	-0.0167053	-0.0178547	-0.0212912	-0.01398	-0.0140533	-0.0239546	-0.0241296	-0.0260704	-0.0305791	-0.0146102	-0.0172216	-0.0179947
T+61	-0.013334467	-0.013414336	-0.037720189	-0.038434431	-0.014972904	-0.015127	-0.0148294	-0.0142389	-0.0137598	-0.0126121	-0.0167059	-0.0177168	-0.0207406	-0.0139761	-0.0140502	-0.0239313	-0.0241071	-0.0260789	-0.0305791	-0.0146115	-0.0172354	-0.0179962
T+62	-0.013332784	-0.013410628	-0.037760808	-0.038495881	-0.014996768	-0.0151503	-0.0148486	-0.0142938	-0.0137586	-0.0126314	-0.0167064	-0.0178418	-0.0212953	-0.0139783	-0.0140517	-0.0239082	-0.0240866	-0.0260874	-0.0305792	-0.0146128	-0.0172493	-0.0179978
T+63	-0.01333112	-0.013406966	-0.037801139	-0.038548877	-0.015020356	-0.0151734	-0.0148676	-0.0142394	-0.0137576	-0.0126362	-0.016707	-0.017158	-0.0207483	-0.013975	-0.0140491	-0.0238851	-0.0240644	-0.0260959	-0.0305792	-0.0146141	-0.0172631	-0.0179993
T+64	-0.013329476	-0.013403351	-0.037841184	-0.038608711	-0.015043674	-0.0151961	-0.0148865	-0.0142931	-0.0137566	-0.0126251	-0.0167076	-0.0178301	-0.0212987	-0.0139769	-0.0140503	-0.0238622	-0.0240439	-0.0261044	-0.0305793	-0.0146154	-0.0172769	-0.0180008
T+65	-0.013327851	-0.013398782	-0.037880405	-0.038661828	-0.015066722	-0.0152186	-0.0149054	-0.0142869	-0.0137557	-0.0126102	-0.0167082	-0.0177501	-0.0213979	-0.0139753	-0.0140521	-0.0238393	-0.0240221	-0.0261129	-0.0305793	-0.0146166	-0.0172906	-0.0180024
T+66	-0.013326245	-0.013396258	-0.03792042	-0.038720248	-0.015089504	-0.0152408	-0.0149235	-0.0142924	-0.0137549	-0.0126042	-0.0167087	-0.0178195	-0.0213017	-0.0139757	-0.0140492	-0.0238166	-0.0240015	-0.0261213	-0.0305793	-0.0146179	-0.0173043	-0.0180039
T+67	-0.013324658	-0.013392778	-0.037959616	-0.038773318	-0.015112022	-0.0152627	-0.0149417	-0.0142404	-0.0137541	-0.0126103	-0.0167093	-0.0171435	-0.0207619	-0.0139732	-0.0140473	-0.0237939	-0.02398	-0.0261298	-0.0305794	-0.0146192	-0.0173118	-0.0180054
T+68	-0.013323089	-0.013389343	-0.037998531	-0.038830486	-0.015134278	-0.0152844	-0.0149598	-0.0142917	-0.0137534	-0.0126213	-0.0167099	-0.0178098	-0.0213041	-0.0139747	-0.0140482	-0.0237714	-0.0239595	-0.0261382	-0.0305794	-0.0146205	-0.0173316	-0.0180069
T+69	-0.01332158	-0.013385951	-0.038037169	-0.038883378	-0.015156277	-0.0153057	-0.0149776	-0.0142409	-0.0137528	-0.0126272	-0.0167104	-0.0171376	-0.020768	-0.0139726	-0.0140466	-0.023749	-0.0239383	-0.0261467	-0.0305795	-0.0146218	-0.0173452	-0.0180085
T+70	-0.013320006	-0.013382602	-0.03807553	-0.038939421	-0.015178019	-0.0153268	-0.0149953	-0.0142911	-0.0137522	-0.0126241	-0.016711	-0.017801	-0.0213062	-0.0139738	-0.0140474	-0.0237266	-0.0239179	-0.0261551	-0.0305795	-0.014623	-0.0173587	-0.01801
T+71	-0.013318491	-0.013379295	-0.038113616	-0.038993204	-0.015199508	-0.0153477	-0.0150127	-0.0142414	-0.0137516	-0.0126162	-0.0167116	-0.0171325	-0.020737	-0.013972	-0.0140446	-0.0237042	-0.0238969	-0.0261635	-0.0305796	-0.0146243	-0.0173722	-0.0180115
T+72	-0.01331699	-0.01337603	-0.03815143	-0.039047053	-0.015220747	-0.0153683	-0.01503	-0.0142904	-0.013752	-0.0126107	-0.0167121	-0.0177929	-0.0213078	-0.0139731	-0.0140467	-0.0236822	-0.0238766	-0.0261719	-0.0305796	-0.0146256	-0.0173857	-0.018013
T+73	-0.013315515	-0.013372806	-0.038188972	-0.039099307	-0.015241737	-0.0153885	-0.0150471	-0.0142419	-0.0137507	-0.0126116	-0.0167127	-0.0177281	-0.020779	-0.0139715	-0.0140455	-0.0236602	-0.0238559	-0.0261803	-0.0305796	-0.0146268	-0.0173992	-0.0180145
T+74	-0.013314052	-0.013369623	-0.038226244	-0.039153384	-0.015262481	-0.0154086	-0.015064	-0.0142899	-0.013753	-0.012617	-0.0167132	-0.0177856	-0.0213091	-0.0139725	-0.0140461	-0.0236382	-0.0238356	-0.0261887	-0.0305797	-0.0146281	-0.0174126	-0.018016
T+75	-0.013312607	-0.013366481	-0.038263248	-0.03920522	-0.015282982	-0.0154284	-0.0150807	-0.0142424	-0.0137499	-0.0126216	-0.0167138	-0.0177243	-0.0207839	-0.0139711	-0.0140451	-0.0236163	-0.0238151	-0.026197	-0.0305797	-0.0146294	-0.0174259	-0.0180175
T+76	-0.013311179	-0.013363378	-0.038299885	-0.03925483	-0.015303282	-0.0154479	-0.0151032	-0.0142893	-0.0137496	-0.0126247	-0.0167143	-0.0177788	-0.0213101	-0.0139719	-0.0140456	-0.0235963	-0.023795	-0.0262054	-0.0305798	-0.0146307	-0.0174393	-0.018019
T+77	-0.01330976	-0.013360314	-0.038336458	-0.039309791	-0.015323265	-0.0154672	-0.0151136	-0.0142429	-0.013749	-0.0126181	-0.0167149	-0.0177211	-0.0207885	-0.0139708	-0.0140447	-0.0235729	-0.0237747	-0.0262137	-0.0305798	-0.0146319	-0.0174526	-0.0180205
T+78	-0.013308371	-0.013357289	-0.038372667	-0.039362166	-0.015343051	-0.0154863	-0.0151297	-0.0142888	-0.0137489	-0.0126143	-0.0167155	-0.0177726	-0.0213109	-0.0139715	-0.0140451	-0.0235513	-0.0237547	-0.0262221	-0.0305799	-0.0146332	-0.0174658	-0.018022
T+79	-0.013306992	-0.013354302	-0.038408615	-0.039413037	-0.015362604	-0.0155051	-0.0151457	-0.0142434	-0.0137487	-0.0126134	-0.016716	-0.0177184	-0.0207928	-0.0139705	-0.0140444	-0.0235299	-0.0237346	-0.0262304	-0.0305799	-0.0146345	-0.0174791	-0.0180235
T+80	-0.013305629	-0.013351353	-0.038444303	-0.03946463	-0.015381926	-0.0155236	-0.0151616	-0.0142882	-0.0137484	-0.0126156	-0.0167166	-0.0177668	-0.0213113	-0.0139711	-0.0140448	-0.0235085	-0.0237147	-0.0262387	-0.0305799	-0.0146357	-0.0174922	-0.018025
T+81	-0.013304282	-0.013348441	-0.038479733	-0.039514974	-0.015401019	-0.015542	-0.0151772	-0.0142439	-0.0137482	-0.0126184	-0.0167171	-0.0177162	-0.0207969	-0.0139703	-0.0140441	-0.0234872	-0.0236948	-0.026247	-0.03058	-0.0146367	-0.0175054	-0.0180265
T+82	-0.013302951	-0.013345565	-0.038514905	-0.039615619	-0.015420657	-0.0155403	-0.0151928	-0.0142877	-0.013748	-0.0126217	-0.0167177	-0.0177139	-0.0208011	-0.0139708	-0.0140445	-0.023466	-0.0236753	-0.0262553	-0.03058	-0.0146383	-0.0175176	-0.0180285
T+83	-0.013301634	-0.013342727	-0.038549823	-0.039615619	-0.015438531	-0.0155779	-0.015208	-0.0142444	-0.0137478	-0.0126181	-0.0167182	-0.0177143	-0.0208007	-0.0139701	-0.0140439	-0.0234449	-0.0236553	-0.0262636	-0.0305801	-0.0146395	-0.0175316	-0.0180295
T+84	-0.013300334	-0.013339923	-0.038584487	-0.039665747	-0.015456953	-0.0155956	-0.0152232	-0.0142872	-0.0137476	-0.0126159	-0.0167188	-0.0177566	-0.0213117	-0.0139705	-0.0140442	-0.0234239	-0.0236357	-0.0262718	-0.0305801	-0.0146408	-0.0175446	-0.018031
T+85	-0.013299048	-0.013337156	-0.038618899	-0.039714986	-0.015475156	-0.015613	-0.0152381	-0.0142449	-0.0137474	-0.0126147	-0.0167193	-0.0177128	-0.0208043	-0.0139699	-0.0140438	-0.0234029	-0.0236161	-0.0262801	-0.0305802	-0.014642	-0.0175576	-0.0180325
T+86	-0.013297778	-0.013334423	-0.03865306	-0.039764419	-0.015493143	-0.0156301	-0.015253	-0.0142867	-0.0137473	-0.0126153	-0.0167198	-0.0177521	-0.0213115	-0.0139703	-0.0140444	-0.023321	-0.0235966	-0.0262883	-0.0305802	-0.0146433	-0.0175706	-0.018034
T+87	-0.013296522	-0.013331724	-0.038686973	-0.03981309	-0.015510915	-0.0156471	-0.0152676	-0.0142453	-0.0137472	-0.0126168	-0.0167204	-0.0177117	-0.0208077	-0.0139698	-0.0140436	-0.0

T+168	-0.013231128	-0.013195755	-0.040740005	-0.042871451	-0.01641689	-0.0164826	-0.0160417	-0.0142741	-0.0137456	-0.0126139	-0.0167603	-0.0176679	-0.0212623	-0.0139691	-0.0140428	-0.0219447	-0.0222309	-0.0269293	-0.0305834	-0.0147438	-0.0185193	-0.0181486
T+169	-0.013230645	-0.013194795	-0.040758261	-0.042899688	-0.016423296	-0.0164882	-0.0160475	-0.0142578	-0.0137456	-0.0126139	-0.0167607	-0.0171476	-0.020886	-0.0139691	-0.0140428	-0.02193	-0.0222167	-0.0269367	-0.0305835	-0.014745	-0.0185295	-0.0181499
T+170	-0.013230169	-0.013193847	-0.040776376	-0.042927729	-0.016429621	-0.0164938	-0.0160532	-0.0142739	-0.0137456	-0.0126138	-0.0167612	-0.0176666	-0.021261	-0.0139691	-0.0140428	-0.0219155	-0.0222026	-0.0269441	-0.0305835	-0.0147462	-0.0185397	-0.0181512
T+171	-0.013229697	-0.013192911	-0.040794351	-0.042955576	-0.016435866	-0.0164993	-0.0160588	-0.0142579	-0.0137456	-0.0126138	-0.0167616	-0.0171489	-0.0208874	-0.0139691	-0.0140428	-0.0219009	-0.0221886	-0.0269515	-0.0305835	-0.0147474	-0.0185499	-0.0181525
T+172	-0.013229231	-0.013191987	-0.040812187	-0.04298323	-0.016442031	-0.0165047	-0.0160644	-0.0142738	-0.0137456	-0.0126138	-0.0167621	-0.0176653	-0.0212597	-0.0139691	-0.0140428	-0.0218865	-0.0221746	-0.0269589	-0.0305836	-0.0147486	-0.0185601	-0.0181538
T+173	-0.013228771	-0.013191074	-0.040829885	-0.043010691	-0.016448119	-0.01651	-0.0160699	-0.0142581	-0.0137456	-0.0126138	-0.0167625	-0.0171502	-0.0208887	-0.0139691	-0.0140428	-0.021872	-0.0221606	-0.0269662	-0.0305836	-0.0147498	-0.0185702	-0.0181551
T+174	-0.013228316	-0.013190173	-0.040847447	-0.043037962	-0.016454128	-0.0165153	-0.0160753	-0.0142736	-0.0137456	-0.0126138	-0.016763	-0.0176639	-0.0212584	-0.0139691	-0.0140428	-0.0218577	-0.0221467	-0.0269736	-0.0305837	-0.014751	-0.0185803	-0.0181564
T+175	-0.013227866	-0.013189283	-0.040864873	-0.043065044	-0.016460062	-0.0165205	-0.0160807	-0.0142583	-0.0137456	-0.0126137	-0.0167634	-0.0171514	-0.02089	-0.0139691	-0.0140428	-0.0218434	-0.0221329	-0.0269809	-0.0305837	-0.0147521	-0.0185904	-0.0181577
T+176	-0.013227421	-0.013188404	-0.040882164	-0.043091937	-0.01646592	-0.0165256	-0.016086	-0.0142734	-0.0137456	-0.0126137	-0.0167638	-0.0176626	-0.0212571	-0.0139691	-0.0140428	-0.0218292	-0.0221191	-0.0269883	-0.0305837	-0.0147533	-0.0186004	-0.018159
T+177	-0.013226982	-0.013187536	-0.040899321	-0.043118643	-0.016471704	-0.0165306	-0.0160913	-0.0142585	-0.0137456	-0.0126137	-0.0167643	-0.0171527	-0.0208914	-0.0139691	-0.0140428	-0.021815	-0.0221053	-0.0269956	-0.0305838	-0.0147545	-0.0186104	-0.0181603
T+178	-0.013226547	-0.013186679	-0.040916345	-0.043145163	-0.016477414	-0.0165356	-0.0160964	-0.0142732	-0.0137456	-0.0126137	-0.0167647	-0.0176613	-0.0212558	-0.0139691	-0.0140428	-0.0218009	-0.0220917	-0.0270029	-0.0305838	-0.0147557	-0.0186204	-0.0181616
T+179	-0.013226118	-0.013185832	-0.040933238	-0.043171498	-0.016483052	-0.0165405	-0.0161016	-0.0142586	-0.0137456	-0.0126137	-0.0167652	-0.0171539	-0.0208927	-0.0139691	-0.0140428	-0.0217868	-0.022078	-0.0270102	-0.0305838	-0.0147569	-0.0186303	-0.0181629
T+180	-0.013225693	-0.013184996	-0.040949999	-0.043197649	-0.016488618	-0.0165453	-0.0161066	-0.0142731	-0.0137456	-0.0126136	-0.0167656	-0.0176601	-0.0212545	-0.0139691	-0.0140428	-0.0217728	-0.0220644	-0.0270175	-0.0305839	-0.0147581	-0.0186402	-0.0181642
T+181	-0.013225274	-0.013184171	-0.040966631	-0.043223618	-0.016494113	-0.0165501	-0.0161116	-0.0142588	-0.0137456	-0.0126136	-0.016766	-0.0171552	-0.020894	-0.0139691	-0.0140428	-0.0217589	-0.0220509	-0.0270248	-0.0305839	-0.0147592	-0.0186501	-0.0181655

DJCFe21stdVl	DJCFe11norV	DJCFe22norV	DJCFe12norV	DJCFe21norV	DJCFg22norV	DJCFg21norV	DJCPe22stdVl	DJCPe21stdV	DJCTq21gedV	DJCTs12stdV	DJCTe12stdV	DJCTe11norV	DJCTe12norV	DJCTq12norV	DJNis11stdVl	DJNIe12stdVl	DJNIe11norV	DJNIe22norV	DJSiq12gedVl	DJSis11stdVl	DJSiq11stdVl	DJSic11stdVl	DJSUs11stdV	DJSUe22stdV
-0.019256	-0.0163307	-0.0157374	-0.016397	-0.0165532	-0.0180502	-0.016457	-0.0449678	-0.0390864	-0.0153912	-0.0184142	-0.0137588	-0.0160309	-0.0160746	-0.0159792	-0.0375297	-0.1115444	-0.0240598	-0.0322054	-0.0152907	-0.0246538	-0.0238323	-0.01931	-0.0492859	-0.0374634
-0.0164476	-0.0164854	-0.0141761	-0.017961	-0.0153887	-0.0180537	-0.0163473	-0.0333888	-0.0290988	-0.0158781	-0.0180909	-0.0144756	-0.015855	-0.0159703	-0.0158167	-0.0344881	-0.0635139	-0.0229748	-0.0213859	-0.0154516	-0.0248175	-0.0240954	-0.0351108	-0.0494438	-0.0465029
-0.0160125	-0.0160986	-0.0139283	-0.0163987	-0.0150045	-0.0175703	-0.0158126	-0.0332431	-0.0288363	-0.0158116	-0.0180375	-0.0170724	-0.0157687	-0.0158536	-0.0156892	-0.0345037	-0.0634251	-0.0230276	-0.0225854	-0.0153423	-0.0250829	-0.0244572	-0.0375454	-0.0495194	-0.0465053
-0.0157233	-0.0160325	-0.0137753	-0.0173615	-0.0147976	-0.0174615	-0.0156919	-0.0331776	-0.0287956	-0.0157446	-0.0179034	-0.019092	-0.015729	-0.0158401	-0.0156424	-0.0345192	-0.063337	-0.0230799	-0.022465	-0.0154791	-0.0253453	-0.0248134	-0.0395279	-0.0495947	-0.0464438
-0.0155307	-0.0160553	-0.0137136	-0.0165568	-0.0146847	-0.0174411	-0.0156649	-0.0331198	-0.0287686	-0.0157062	-0.0179323	-0.0185546	-0.0157136	-0.0158191	-0.0155976	-0.0345348	-0.0632495	-0.0231319	-0.0225458	-0.0154535	-0.0256047	-0.0251642	-0.0411704	-0.0496699	-0.0463824
-0.0154021	-0.0161027	-0.0136848	-0.0173413	-0.0146215	-0.0174412	-0.0156596	-0.0330635	-0.0287457	-0.0156854	-0.0178641	-0.0164237	-0.0157107	-0.0158268	-0.0155803	-0.0345503	-0.0631627	-0.0231835	-0.0225962	-0.0155332	-0.0258613	-0.0255098	-0.0425504	-0.0497449	-0.0463215
-0.0153159	-0.0161569	-0.01367	-0.01681	-0.0145847	-0.0174462	-0.0156593	-0.0330078	-0.0287233	-0.015674	-0.0179111	-0.0148513	-0.0157143	-0.0158312	-0.0155604	-0.0345657	-0.0630767	-0.0232346	-0.0226508	-0.0155429	-0.0261151	-0.0258504	-0.0437237	-0.0498197	-0.046261
-0.0152579	-0.016213	-0.0136609	-0.017387	-0.0145618	-0.0174552	-0.0156603	-0.0329526	-0.0287011	-0.015672	-0.0178914	-0.014801	-0.0157213	-0.0158436	-0.0155503	-0.0345812	-0.0629914	-0.0232855	-0.0227004	-0.0155974	-0.0263663	-0.0261863	-0.0447203	-0.0498943	-0.0462011
-0.0152185	-0.0162696	-0.0136542	-0.017042	-0.0145462	-0.0174585	-0.0156612	-0.0328979	-0.028679	-0.0156629	-0.0179161	-0.0159862	-0.01573	-0.0158548	-0.0155381	-0.0345966	-0.0629065	-0.0233359	-0.0227578	-0.0156216	-0.0266148	-0.0265176	-0.0456077	-0.0499687	-0.0461415
-0.0151914	-0.0163264	-0.0136485	-0.0174832	-0.0145346	-0.0174648	-0.0156624	-0.0328438	-0.0286571	-0.0156597	-0.0178875	-0.0173089	-0.0157396	-0.0158682	-0.0155296	-0.034612	-0.0628224	-0.023386	-0.022811	-0.0156646	-0.0268607	-0.0268445	-0.046375	-0.050043	-0.0460825
-0.0151725	-0.0163832	-0.0136432	-0.0172526	-0.0145251	-0.0174711	-0.0156636	-0.0327901	-0.0286353	-0.0156572	-0.0179293	-0.0176136	-0.0157496	-0.015881	-0.01552	-0.0346273	-0.062739	-0.0234356	-0.0228638	-0.0156943	-0.0271042	-0.0271671	-0.0470538	-0.050117	-0.0460239
-0.015159	-0.0164401	-0.0136381	-0.0175895	-0.0145167	-0.0174775	-0.0156648	-0.0327369	-0.0286136	-0.015655	-0.0179088	-0.0168137	-0.0157598	-0.0158944	-0.0155119	-0.0346427	-0.0626562	-0.0234849	-0.0229163	-0.0157318	-0.0273453	-0.0274856	-0.0476597	-0.0501909	-0.0459657
-0.0151491	-0.016497	-0.013633	-0.0174474	-0.0145088	-0.0174838	-0.0156666	-0.032682	-0.028592	-0.015653	-0.017945	-0.015826	-0.0157701	-0.0159076	-0.0155032	-0.034658	-0.0625741	-0.0235339	-0.0229686	-0.0157633	-0.027584	-0.0278002	-0.0482053	-0.0502646	-0.045908
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-0.0151307	-0.0166676	-0.013618	-0.0178404	-0.0144867	-0.0175026	-0.0156696	-0.0325289	-0.028528	-0.0156473	-0.017951	-0.0165742	-0.0158008	-0.0159473	-0.0154792	-0.0347037	-0.0623314	-0.0236785	-0.0231235	-0.015862	-0.0282867	-0.0287214	-0.0495734	-0.0504846	-0.0457375
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-0.0151227	-0.0167814	-0.013608	-0.0179778	-0.0144723	-0.0175151	-0.0156672	-0.0324278	-0.028486	-0.0156436	-0.0179709	-0.0167729	-0.0158211	-0.0159734	-0.0154635	-0.034734	-0.0621728	-0.023773	-0.0232254	-0.0159244	-0.0287445	-0.029318	-0.0503276	-0.0506303	-0.045626
-0.0151193	-0.0168383	-0.013603	-0.0179762	-0.0144651	-0.0175213	-0.0156732	-0.0323779	-0.0284651	-0.0156417	-0.0179944	-0.0162654	-0.0158311	-0.0159863	-0.0154558	-0.0347491	-0.0620944	-0.0238198	-0.0232759	-0.0159547	-0.0289704	-0.0296114	-0.0506714	-0.0507029	-0.0455709
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-0.0150868	-0.0174643	-0.0135485	-0.0188736	-0.0143872	-0.0175888	-0.0156861	-0.0318577	-0.0282434	-0.0156218	-0.0180758	-0.0164892	-0.0159376	-0.0161236	-0.0153763	-0.0349135	-0.0612709	-0.0243107	-0.0238126	-0.0162597	-0.0313338	-0.0326474	-0.0536904	-0.0514902	-0.0449916
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-0.0147043	-0.0250497	-0.0129116	-0.0293481	-0.0134963	-0.0183099	-0.0158343	-0.0282215	-0.0263546	-0.0154134	-0.0185389	-0.0163339	-0.0168038	-0.01725	-0.0148789	-0.0367109	-0.0550666	-0.027795	-0.0281393	-0.0177211	-0.0514074	-0.0571715	-0.0733631	-0.0599069	-0.0406065
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DJSUe21stdV	DJSUg22stdV	DJSUg21stdV	DJSUs12norV	DJWEe11qed	DJWEe12qedV	DJWEe11stdV	DJWEe12stdV	DJWEe11norV	DJWEe12norV	DJWEg11norV	DJZie22stdVR	DJZie21stdVR	DJZis11norV	DJZie11norV	DJZie12norV	DJZig12norV	DJLHe11qedV	DJLHe12qedV	DJLHe11stdV	DJLHe12stdV	DJLHe11norV	DJLHe12norV	DJLHe21norV	DJNGe21stdV
-0.0376354	-0.0456699	-0.0450738	-0.0192186	-0.0226687	-0.0261348	-0.0269293	-0.0315194	-0.0230203	-0.0251659	-0.0235875	-0.0314946	-0.0304671	-0.0249096	-0.0241945	-0.0236768	-0.0254751	-0.0450073	-0.0407016	-0.0593363	-0.0528674	-0.0437024	-0.0392829	-0.0384484	-0.0184749
-0.0462474	-0.0559759	-0.0550097	-0.0199549	-0.0251807	-0.0234592	-0.0290884	-0.0263805	-0.0247949	-0.0239789	-0.025374	-0.0356735	-0.0344646	-0.0248955	-0.024231	-0.0244455	-0.0256825	-0.0444171	-0.0513766	-0.0587326	-0.0692105	-0.0430693	-0.0477918	-0.0381367	-0.0173926
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DJNGe12non\	DJPEe11gedV	DJPEe12gedV	DJPEe11stdV	DJPEe12stdV	DJPEe11norV	DJPEe12norV	DJSOe12stdV	DJSOe11norV	DJSOe12norV	DJSOe21norV	SEFPs11gedV	SEFPe11gedV	SEFPe12gedV	SEFPe11stdV	SEFPe12stdV	SEFPs11norV	SEFPe11norV	SEFPe12norV	SEECs11gedV	SEECe11gedV	SEECe12gedV	SEECe12stdV	SEECs12stdV	SEECs12norV
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SEOGe12nor\	SEOGe21nor\	SEOEe11ged\	SEOEe12ged\	SEOEe13std\	SEOEe11nor\	SEOEe12nor\	SEAIs11ged\	SEAIe11ged\	SEAIe12ged\	SEAIe13std\	SEAIs11nor\	SEAIs12nor\	SEAIe11nor\	SEAIc12nor\	SEISe11ged\	SEISe12ged\	SEISe21ged\	SEISe11std\	SEISe12std\	SEISe11nor\	SEISe22nor\	SEISe21nor\	SEISe11nor\	SESp11nor\
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SEETe12stdVl	SEETe11norV	SEETe12norV	SECHe11qedV	SECHe12qedV	SECHe11stdV	SECHe12stdV	SECHe11norV	SECHe12norV	SECHe21norV	SEAPe11qedV	SEAPe11stdV	SEAPe12stdV	SEAPe11norV	SEAPe12norV	BITC51qedVl	BITC52qedVl	BITCe12qedV	BITCe11norV	BITCe12norV	BITCc11norVl	LITC51qedVl	LITCc12qedVl	LITCs11norVl
-0.0160963	-0.0093788	-0.0098497	-0.0127302	-0.0138601	-0.0176097	-0.0191783	-0.0124068	-0.0131467	-0.0153622	-0.0214511	-0.0288582	-0.0299846	-0.0184173	-0.0187932	-0.0360629	-0.0371906	-0.0367432	-0.0526861	-0.0407238	-0.0463649	-0.075848	-0.0830077	-0.0867199	-0.0840375
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-0.0168374	-0.0145329	-0.0150674	-0.0126539	-0.0125891	-0.0196169	-0.0196838	-0.0154044	-0.0156304	-0.0160043	-0.0177241	-0.0286109	-0.0295968	-0.0234577	-0.0248989	-0.1432919	-0.1373507	-0.0920449	-0.091502	-0.0916698	-0.0903277	-0.171663	-0.0856234	-0.0866284	-0.1290183
-0.0168378	-0.0145367	-0.0150727	-0.012654	-0.0125893	-0.0196176	-0.0196846	-0.0154067	-0.0156331	-0.0160111	-0.0177208	-0.0286149	-0.0296052	-0.0234784	-0.0249251	-0.14364	-0.137689	-0.0921574	-0.0805941	-0.0916529	-0.0830346	-0.1720214	-0.085623	-0.0866245	-0.1290363
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-0.0168391	-0.0145476	-0.0150878	-0.0126546	-0.01259	-0.0196195	-0.0196869	-0.0154135	-0.0156408	-0.0160309	-0.0177109	-0.0286266	-0.02963	-0.0235398	-0.0250025	-0.1446772	-0.1386973	-0.0924903	-0.0995621	-0.0916938	-0.0969465	-0.17309	-0.0856219	-0.086613	-0.1291124

LitCe11norVl	LitCe12norVl	LitCe21norVl	LitCg11norVl	LitCc11norVl	LitCc12norVl	GREXe11ged'	GREXe12ged'	GREXe21ged'	DAXPs11ged\	DAXPs11stDv	DAXPs12nor\	DAXPe11nor\	DAXPg11norVRST
-0.1038693	-0.104879	-0.1113106	-0.0790751	-0.07808	-0.078488	-0.0020794	-0.0020103	-0.00201	-0.0110676	-0.0135979	-0.0107031	-0.0119798	-0.011117981
-0.1018277	-0.1021022	-0.101199	-0.08167 19	-0.0754205	-0.0757549	-0.0019155	-0.0018858	-0.0017738	-0.0110512	-0.013772	-0.0111401	-0.0119585	-0.011107703
-0.0973294	-0.0977554	-0.0958483	-0.0867031	-0.0812113	-0.0815727	-0.0019102	-0.0017514	-0.0018277	-0.011036	-0.013937	-0.010891	-0.0119396	-0.011098509
-0.0954774	-0.0958028	-0.093698	-0.0895658	-0.0850575	-0.0854421	-0.0019037	-0.0017149	-0.0018367	-0.011022	-0.0140935	-0.0110338	-0.0119229	-0.011090285
-0.0987343	-0.09897	-0.0972635	-0.0882762	-0.084841	-0.0852967	-0.0019024	-0.0018053	-0.0018397	-0.0110089	-0.0142421	-0.0109515	-0.0119081	-0.01108293
-0.1053726	-0.105508	-0.1043635	-0.085861	-0.0832925	-0.0838493	-0.001902	-0.0019349	-0.0018406	-0.0109968	-0.0143833	-0.0109982	-0.011895	-0.011076352
-0.1112732	-0.1112564	-0.11039	-0.0866397	-0.084641	-0.085265	-0.0019019	-0.0019982	-0.0018412	-0.0109856	-0.0145176	-0.0109709	-0.0118834	-0.01107046 9
-0.1133201	-0.1131373	-0.1121212	-0.0909686	-0.0894674	-0.0900937	-0.0019019	-0.0019605	-0.0018416	-0.0109752	-0.0146452	-0.0109861	-0.0118731	-0.011065209
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-0.1091124	-0.1090309	-0.1072478	-0.0948041	-0.0948764	-0.0954962	-0.0019018	-0.0018249	-0.0018424	-0.0109566	-0.0148824	-0.0109818	-0.0118559	-0.0110563
-0.1088931	-0.1090847	-0.1071795	-0.0921352	-0.093009	-0.0936933	-0.0019018	-0.0018305	-0.0018428	-0.0109483	-0.0149926	-0.0109787	-0.0118488	-0.01105254
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-0.1167053	-0.1169583	-0.1154218	-0.0943689	-0.096138	-0.0968832	-0.0019018	-0.0019177	-0.0018436	-0.0109335	-0.0151977	-0.010979	-0.0118368	-0.011046173
-0.1203435	-0.1202469	-0.1189014	-0.0987323	-0.1009881	-0.1016912	-0.0019018	-0.0019254	-0.001844	-0.0109269	-0.0152931	-0.0109794	-0.0118319	-0.011043486
-0.1212614	-0.1208313	-0.1195286	-0.1001067	-0.1030777	-0.1037576	-0.0019018	-0.0019017	-0.0018444	-0.0109208	-0.0153842	-0.0109789	-0.0118274	-0.011041084
-0.1200428	-0.119564	-0.1181592	-0.0978769	-0.1016036	-0.102315	-0.0019018	-0.0018728	-0.0018448	-0.0109152	-0.015471	-0.010979	-0.0118235	-0.011038937
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-0.1193282	-0.1195258	-0.1178462	-0.0973339	-0.1019331	-0.1027069	-0.0019018	-0.0018709	-0.0018455	-0.0109051	-0.0156331	-0.0109787	-0.011817	-0.011035302
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-0.148194	-0.1483033	-0.1506559	-0.1285687	-0.1909735	-0.1904443	-0.0019018	-0.0018859	-0.0018847	-0.010844	-0.0174124	-0.0109775	-0.011793	-0.011020857
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-0.1481959	-0.1483051	-0.1506599	-0.1308181	-0.1937987	-0.1932082	-0.0019018	-0.0018859	-0.001885	-0.010844	-0.0174126	-0.0109775	-0.011793	-0.011020857
-0.1481967	-0.1483059	-0.1506617	-0.1293912	-0.1927036	-0.1921144	-0.0019018	-0.0018859	-0.0018851	-0.010844	-0.0174127	-0.0109775	-0.011793	-0.011020857
-0.1481974	-0.1483067	-0.1506634	-0.1278693	-0.191535	-0.1909759	-0.0019018	-0.0018859	-0.0018853	-0.010844	-0.0174128	-0.0109775	-0.011793	-0.011020857
-0.148198	-0.1483075	-0.1506651	-0.128125	-0.1921216	-0.1915819	-0.0019018	-0.0018859	-0.0018854	-0.010844	-0.0174129	-0.0109775	-0.011793	-0.011020857
-0.1481986	-0.1483083	-0.1506667	-0.1298549	-0.1941414	-0.1935842	-0.0019018	-0.0018859	-0.0018856	-0.010844	-0.017413	-0.0109775	-0.011793	-0.011020857
-0.1481993	-0.1483091	-0.1506683	-0.1309665	-0.1955314	-0.1949384	-0.0019018	-0.0018859	-0.0018857	-0.010844	-0.0174131	-0.0109775	-0.011793	-0.011020857

VRNO GARCH

	DJACe11gedVRNO	DJACe12gedVRNO	DJACe11stdVRNO	DJACe12stdVRNO	DJACe11norVRNO	DJACe12norVRNO	DJACe21norVRNO	DJALs11gedVRNO	DJALe11gedVRNO	DJALe12gedVRNO	DJALc11gedVRNO	DJALe11stdVRNO	DJALg11stdVRNO	DJALe11norVRNO	DJALe12norVRNO	DJCCe11gedVRNO	DJCCe12gedVRNO	DJCCs11stdVRNO
T+1	-0.017046894	-0.017039637	-0.043043545	-0.039001076	-0.016267954	-0.016275954	-0.016355024	-0.021117957	-0.020990838	-0.012426537	-0.015783546	-0.025188054	-0.024415129	-0.019038723	-0.018706921	-0.03091448	-0.029076313	-0.031699887
T+2	-0.016525197	-0.017094926	-0.042605802	-0.045623445	-0.015912762	-0.016182963	-0.016256654	-0.020302407	-0.020012169	-0.007875075	-0.025579557	-0.025570302	-0.024925223	-0.019095031	-0.01924889	-0.029339158	-0.031126787	-0.029145214
T+3	-0.01652106	-0.016672875	-0.042680217	-0.039424601	-0.015967893	-0.016067121	-0.016299466	-0.019716245	-0.019615759	-0.00977823	-0.023319884	-0.024456705	-0.024175429	-0.018634828	-0.018543697	-0.031004773	-0.029611803	-0.031184711
T+4	-0.016516971	-0.016948028	-0.042754153	-0.045061766	-0.016022492	-0.016235231	-0.016341878	-0.019501221	-0.019304654	-0.017419844	-0.021992419	-0.024976145	-0.024845562	-0.018716971	-0.018746222	-0.031029849	-0.032404931	-0.031157536
T+5	-0.016512931	-0.016740645	-0.042827613	-0.040207891	-0.016076561	-0.016218609	-0.016383893	-0.019143718	-0.019088655	-0.025529694	-0.021311824	-0.023963562	-0.024193409	-0.018345977	-0.018335026	-0.031120615	-0.030070938	-0.03133558
T+6	-0.016508939	-0.016868237	-0.042900598	-0.044668103	-0.016130102	-0.016320677	-0.016425512	-0.019033836	-0.018884224	-0.023211354	-0.020900193	-0.024547727	-0.024909586	-0.018433592	-0.018441522	-0.031101287	-0.032166637	-0.031358142
T+7	-0.016504993	-0.016763953	-0.04297311	-0.040870419	-0.01618312	-0.016344945	-0.01646674	-0.018745981	-0.018710899	-0.015434688	-0.020703468	-0.023589285	-0.02428886	-0.018127562	-0.018149757	-0.031075685	-0.030291848	-0.031384352
T+8	-0.016501094	-0.016820675	-0.043045152	-0.044402803	-0.016218516	-0.016431629	-0.016593778	-0.018685033	-0.018548983	-0.011909475	-0.020576176	-0.024075635	-0.025012846	-0.018211789	-0.018225592	-0.031041748	-0.031874727	-0.031390726
T+9	-0.016497241	-0.016766014	-0.043116725	-0.041435015	-0.016287599	-0.016459865	-0.016548028	-0.018442377	-0.018404417	-0.01111357	-0.02052208	-0.023283134	-0.024401512	-0.017955847	-0.017996034	-0.031006662	-0.03042878	-0.031340484
T+10	-0.016493433	-0.01678878	-0.043187833	-0.044236026	-0.016339054	-0.016520479	-0.016588093	-0.018416391	-0.018271375	-0.014581564	-0.020482139	-0.023922136	-0.025120814	-0.018033175	-0.018058499	-0.030971006	-0.031628418	-0.031421989
T+11	-0.01648967	-0.016758072	-0.043258476	-0.041920555	-0.016390003	-0.016567455	-0.016627776	-0.01820868	-0.018150907	-0.019100167	-0.02046869	-0.023022252	-0.024511825	-0.017817385	-0.017869554	-0.030935347	-0.030517098	-0.031433313
T+12	-0.016485952	-0.016764631	-0.043328656	-0.044145109	-0.016440443	-0.016622643	-0.016667079	-0.018209283	-0.018040599	-0.020047295	-0.020455943	-0.023675362	-0.025222667	-0.017886761	-0.017923393	-0.030899783	-0.031425736	-0.031444511
T+13	-0.016482277	-0.016745546	-0.043398377	-0.042342476	-0.016490375	-0.016671582	-0.016706004	-0.01802915	-0.017940158	-0.016883379	-0.020453593	-0.022795296	-0.024614028	-0.017703961	-0.01776497	-0.030864364	-0.030570002	-0.031455671
T+14	-0.016478645	-0.01674442	-0.043467764	-0.04411271	-0.016539805	-0.016723638	-0.016744555	-0.018049935	-0.017848326	-0.013668791	-0.020495586	-0.023458923	-0.025315546	-0.017765437	-0.017811807	-0.030829102	-0.031256571	-0.031466805
T+15	-0.016475056	-0.016731039	-0.043536447	-0.042713291	-0.016588734	-0.016772756	-0.016782734	-0.017891609	-0.017764505	-0.012729996	-0.020450017	-0.022595826	-0.024706934	-0.017610149	-0.01767795	-0.030794	-0.030595993	-0.031477921
T+16	-0.016471509	-0.016726339	-0.0436048	-0.044125482	-0.016637166	-0.016822863	-0.016820543	-0.017927553	-0.01768787	-0.014083929	-0.020448963	-0.023267691	-0.025399214	-0.017664241	-0.01771868	-0.030759058	-0.03113024	-0.03148902
T+17	-0.016468004	-0.016715797	-0.043672702	-0.04304308	-0.016685104	-0.016871422	-0.016857984	-0.017786496	-0.01761783	-0.016512954	-0.020449948	-0.022419613	-0.024790834	-0.017532103	-0.017605197	-0.030724277	-0.030601458	-0.031508102
T+18	-0.01646454	-0.016709483	-0.043740154	-0.044173105	-0.016732552	-0.016920082	-0.016895061	-0.017833677	-0.017553769	-0.017828931	-0.020449961	-0.023098072	-0.025474243	-0.017579497	-0.017640539	-0.030689655	-0.030989066	-0.031511173
T+19	-0.016461116	-0.016700412	-0.043807159	-0.043339923	-0.016779512	-0.016967783	-0.016931777	-0.017706341	-0.017495172	-0.016906995	-0.020450964	-0.022263529	-0.024866442	-0.017466937	-0.017544176	-0.030655192	-0.030591299	-0.031522227
T+20	-0.016457733	-0.016693426	-0.043873718	-0.044247566	-0.016825989	-0.017015218	-0.016968132	-0.01776172	-0.017441555	-0.015060875	-0.020451395	-0.022947286	-0.02554141	-0.017508351	-0.017574784	-0.030680187	-0.030880182	-0.031533266
T+21	-0.01645439	-0.016685165	-0.043939835	-0.043610271	-0.016871984	-0.017061946	-0.017004131	-0.017645341	-0.017392472	-0.014009968	-0.020452325	-0.022125065	-0.02493455	-0.017412404	-0.017492889	-0.030586739	-0.030569287	-0.03154429
T+22	-0.016451086	-0.016677957	-0.04400551	-0.04434263	-0.016917502	-0.017108258	-0.017039776	-0.017706574	-0.01734754	-0.014320932	-0.020452933	-0.022813046	-0.025601495	-0.017448525	-0.017519357	-0.030552747	-0.030782737	-0.031555299
T+23	-0.01644782	-0.016670185	-0.044070747	-0.04385926	-0.016962547	-0.017153973	-0.017075069	-0.01759901	-0.017306396	-0.015528227	-0.020453798	-0.022002119	-0.024995915	-0.0173667	-0.017449724	-0.03051891	-0.030538319	-0.031566294
T+24	-0.016444593	-0.016662968	-0.044135547	-0.044453431	-0.01700712	-0.017199215	-0.017110014	-0.017664301	-0.017268712	-0.016538499	-0.020454486	-0.022693406	-0.025655226	-0.017398164	-0.017472587	-0.030485227	-0.030694263	-0.031577273
T+25	-0.01644104	-0.016655528	-0.044199913	-0.044909971	-0.017051226	-0.017239691	-0.017146612	-0.017563894	-0.017234191	-0.016489258	-0.020455507	-0.021892884	-0.025051231	-0.017338359	-0.017413363	-0.030450699	-0.030506613	-0.031588328
T+26	-0.016438252	-0.016648402	-0.044263846	-0.04457617	-0.017094869	-0.017288116	-0.017178866	-0.017631872	-0.017102562	-0.016516359	-0.020456031	-0.02258685	-0.025270326	-0.017355739	-0.017433096	-0.030418323	-0.030612702	-0.031599188
T+27	-0.016435138	-0.016641217	-0.044327349	-0.04430864	-0.017138051	-0.017331801	-0.017212778	-0.017537339	-0.017173578	-0.014825621	-0.020456825	-0.021795789	-0.025101123	-0.017296172	-0.017382713	-0.030385099	-0.030457868	-0.031610124
T+28	-0.016432059	-0.016634228	-0.044390424	-0.044707871	-0.017180776	-0.017374991	-0.017246353	-0.017606962	-0.017147014	-0.014713188	-0.020457567	-0.022491412	-0.025746189	-0.017319979	-0.017399734	-0.030352026	-0.030536526	-0.031621044
T+29	-0.016429017	-0.016627256	-0.044453073	-0.044514829	-0.017223047	-0.017417677	-0.017279591	-0.017517312	-0.017122665	-0.015233582	-0.020458344	-0.021709459	-0.025146148	-0.017269138	-0.017356865	-0.030319104	-0.030411386	-0.03163195
T+30	-0.016426011	-0.016620424	-0.044515298	-0.044846205	-0.017264869	-0.017459872	-0.017312496	-0.017587792	-0.017100343	-0.015870545	-0.020459093	-0.0224063	-0.025784541	-0.017289824	-0.017371539	-0.030286331	-0.03046457	-0.031642841
T+31	-0.016423039	-0.016613644	-0.044577102	-0.044711568	-0.017306243	-0.017501676	-0.017346106	-0.017657576	-0.017097876	-0.016071009	-0.020459859	-0.021632685	-0.025438808	-0.017246424	-0.01733506	-0.030253707	-0.030619258	-0.031653718
T+32	-0.016420103	-0.016606976	-0.044638486	-0.044989349	-0.017347175	-0.017542795	-0.017377316	-0.017573001	-0.017061113	-0.015741441	-0.02046061	-0.022330211	-0.025818789	-0.017264388	-0.017347705	-0.030221231	-0.030395947	-0.03166458
T+33	-0.016417201	-0.016600376	-0.044699453	-0.044900461	-0.017387667	-0.017583532	-0.017409237	-0.017490993	-0.017043905	-0.015259302	-0.020461369	-0.021564401	-0.025223551	-0.017227334	-0.01731666	-0.030188902	-0.03031946	-0.031675427
T+34	-0.016414333	-0.016593872	-0.044760005	-0.045135873	-0.017427723	-0.017623792	-0.017440834	-0.017561553	-0.017028123	-0.015045184	-0.020462119	-0.022262147	-0.025849357	-0.017242927	-0.017327553	-0.030156719	-0.030329978	-0.03168626
T+35	-0.016411498	-0.016587443	-0.044820144	-0.045082778	-0.017467347	-0.01766358	-0.017472111	-0.017482605	-0.017013649	-0.015214891	-0.020462872	-0.021503666	-0.025256777	-0.017211286	-0.017301133	-0.030124682	-0.030258326	-0.031697079
T+36	-0.016408697	-0.016581102	-0.044879872	-0.045284656	-0.017506541	-0.017702899	-0.01750307	-0.017552653	-0.017000373	-0.015564793	-0.02046362	-0.02220122	-0.025876623	-0.017224814	-0.017310511	-0.03009279	-0.030266145	-0.031707882
T+37	-0.016405928	-0.016574838	-0.044939192	-0.045259521	-0.017545131	-0.017741754	-0.017533714	-0.017623406	-0.016988194	-0.015777685	-0.020463369	-0.021449647	-0.025288844	-0.017197794	-0.01728802	-0.030061047	-0.03020474	-0.031718672
T+38	-0.016403192	-0.016568657	-0.044998105	-0.045434822	-0.017583656	-0.017780149	-0.017564045	-0.017545699	-0.016977022	-0.015699594	-0.020465114	-0.022146649	-0.025900927	-0.017209526	-0.017296096	-0.030029437	-0.030204051	-0.031729447
T+39	-0.016400488	-0.016562553	-0.045056613	-0.045431485	-0.017621584	-0.017818089	-0.017594067	-0.01747187	-0.01696773	-0.015449705	-0.020465859	-0.021401608	-0.025314074	-0.017186448	-0.017276951	-0.029997975	-0.030150526	-0.031740207
T+40	-0.016397815	-0.016556528	-0.04511472	-0.045585684	-0.017659097	-0.017855577	-0.01762378	-0.017540229	-0.01695737	-0.015265372	-0.020466	-0.022097738	-0.025922572	-0.017196619	-0.017283902	-0.029966654	-0.030143393	-0.031750953
T+41	-0.016395174	-0.016550579	-0.045172427	-0.045599299	-0.017696198	-0.017892618	-0.017653189	-0.017468594	-0.016948742	-0.015281829	-0.020467341	-0.021358894	-0.025338755	-0.017176907	-0.017267604	-0.029935475	-0.030095938	-0.031761685
T+42	-0.016392564	-0.016544707	-0.045229735	-0.045758704	-0.017732891	-0.017929217	-0.017682882	-0.017358893	-0.016940827	-0.015448723	-0.020468008	-0.022053873	-0.025183831	-0.017156721	-0.017273585	-0.029904819	-0.030083934	-0.031772402
T+43	-0.016389984	-0.016538909	-0.045286649	-0.04576346	-0.01776818	-0.017965377	-0.017711101	-0.017466273	-0.016933563	-0.015603658	-0.02046887	-0.021320927	-0.025361144	-0.017168882	-0.017259711	-0.029873535	-0.030041171	-0.031783105
T+44	-0.016387435	-0.016533185	-0.045343168	-0.045887465	-0.017805067	-0.018001103	-0.01773961	-0.017532424	-0.016926898	-0.015621095	-0.020469553	-0.022014506	-0.025958947	-0.017176518	-0.017264857	-0.02984274	-0.030025507	-0.031793794
T+45	-0.016384915	-0.016527534	-0.045399296	-0.045924364	-0.017840557	-0.018036399	-0.017767825	-0.017464677	-0.016920782	-0.015511736	-0.020470286	-0.021287189	-0.025381473	-0.017162133	-0.017253044	-0.029812151	-0.02998637	-0.031804468
T+46	-0.016382425	-0.016521955	-0.045455035	-0.046037638	-0.017875653	-0.018071269	-0.017795746	-0.017529619	-0.01691517	-0.015389057	-0.020471018	-0.021979152	-0.02597414	-0.017168747	-0.017257471	-0.029781666	-0.029967962	-0.031815129
T+47	-0.016379963	-0.016516447	-0.045510387	-0.046082325	-0.017910358	-0.018105718	-0.017823379	-0.017463627	-0.016910019	-0.015355008	-0.020471749	-0.021257225	-0.025399955	-0.017156456	-0.017247414	-0.029751317	-0.029931654	-0.031825775
T+48	-0.016377531	-0.016511095	-0.045565854	-0.046186971	-0.017944676	-0.018139749	-0.017850723	-0.017527302	-0.016905292	-0.015326502	-0.020472477	-0.021194738	-0.025987607	-0.017162182	-0.017251221	-0.029721103	-0.029911199	-0.031834046
T+49	-0.016375127	-0.016505641	-0.045619938	-0.046237594	-0.01797861	-0.018173367	-0.017877783	-0.017462989	-0.016900954	-0.015514216	-0.020473204	-0.021230626	-0.025416761	-0.017151681	-0.017242658	-0.029691025	-0.0298771	-0.031847024
T+50	-0.016372751	-0.01650034	-0.045674141	-0.046335266	-0.018012164	-0.018206576	-0.017904561	-0.017525415	-0.016896973	-0.015554354	-0.020473929	-0.021918804	-0.025999522	-0.017156638	-0.017245932	-0.029661082	-0.029855134	-0.031857627
T+51	-0.016370403	-0.016495107	-0.045727965	-0.046390371	-0.018045341	-0.01823938	-0.017931058	-0.017462661	-0.016893319	-0.015517672	-0.020474652	-0.021207031	-0.025432073	-0.017147664	-0.017238641	-0.029631272	-0.029822774	-0.031868217
T+52	-0.016368082	-0.016489941	-0.045781414	-0.046482373	-0.018078145	-0.018271783	-0.017957279	-0.017523809	-0.016889966	-0.015448431	-0.020475374	-0.021893083	-0.026010046	-0.017151954	-0.017241455	-0.029601595	-0.029799705	-0.031878792
T+53	-0.016365788	-0.01648484	-0.045834488	-0.046540817	-0.018110579	-0.018303789	-0.017983224	-0.017462565	-0.016886888	-0.015409082	-0.020476094	-0.021186116	-0.025446037	-0.017144286	-0.017235247	-0.029572051	-0.029768724	-0.031889353
T+54	-0.016363521	-0.016479805	-0.045888719	-0.046628175	-0.018142646	-0.018335403	-0.018008459	-0.017522435	-0.016884063	-0.015425932	-0.020476812	-0.021049912	-0.026019319	-0.017137667	-0.017229497	-0.029542638	-0.029744843	-0.03190909
T+55	-0.016361281	-0.016474833	-0.045939521	-0.04668906	-0.018174351	-0.018366628	-0.0180343	-0.017462643	-0.01688147	-0.015474895	-0.020477529	-0.021167594	-0.025458787	-0.017141444	-0.017232238	-0.029513356	-0.029714984	-0.031910433
T+56	-0.016359067	-0.016469924	-0.045991485	-0.046772584	-0.018205695	-0.018397469	-0.018059435	-0.017521241	-0.01687909	-0.015510127	-0.020478243	-0.021849019	-0.02602747	-0.017144654	-0.017234446	-0.029484205	-0.029690568	-0.031920952
T+57	-0.016356878	-0.016465077	-0.046043083	-0.046835206	-0.018236684	-0.018427929	-0.018084304	-0.017462849	-0.016876906	-0.01550526	-0.020478957	-0.021151208	-0.025470444	-0.017139053	-0.017229959	-0.029455183	-0.02966158	-0.031931457
T+58	-0.016354715	-0.016460292	-0.046094317	-0.046915534	-0.018267319	-0.018458012	-0.018108911	-0.017520188	-0.016874901	-0.015471618	-0.020479668	-0.021830163	-0.026034613	-0.01714183	-0.017231746	-0.02942629	-0.029636779	-0.031941948
T+59	-0.016352578	-0.016455168	-0.046145189	-0.046979341	-0.018297905	-0.018489723	-0.018135238	-0.017464015	-0.016870061	-0.015441946	-0.020480378	-0.021513673	-0.025481117	-0.017137054	-0.017227913	-0.029397525	-0.029606853	-0.031952436
T+60	-0.016350465	-0.016450904	-0.046195702	-0.047056976	-0.018327544	-0.018517065	-0.018157346	-0.017519244	-0.016871372	-0.015439602	-0.020481086	-0.021813127	-0.026040851	-0.017139443	-0.017229449	-0.029368888	-0.029583505	-0.031962889
T+61	-0.016348377	-0.016446299	-0.046245858	-0.047121536	-0.018357141	-0.018546043	-0.018181178	-0.017463519	-0.016869821	-0.01546139	-0.020481792	-0.021123957	-0.025490905	-0.017135351	-0.017226184	-0.029340378	-0.029555854	-0.031973338
T+62	-0.016346313	-0.016441752	-0.046295658	-0.047196875	-0.018386397	-0.01857466	-0.018204757	-0.017518387	-0.016868398	-0.015485073	-0.020482497	-0.021797719	-0.026046276	-0.017137427	-0.017227504	-0.029311994	-0.029530693	-0.031983774
T+63	-0.016344274	-0.016437263	-0.046345105	-0.047261849	-0.018415318	-0.01860292	-0.018228085	-0.017463937	-0.016867091	-0.015490915	-0.02048332	-0.021112705	-0.025499894	-0.017133929	-0.017224724	-0.029283736	-0.029503553	-0.031994196
T+64	-0.016342258	-0.01643231	-0.0463942	-0.047335207	-0.018443905	-0.018630826	-0.018251165	-0.01751766	-0.016865892	-0.015477375	-0.020483902	-0.021783766	-0.026050972	-0.017135723	-0.017225858	-0.029255602	-0.02947834	-0.032004603
T+65	-0.016340266	-0.016428454	-0.046442947	-0.047400329	-0.018472163	-0.018650384	-0.018273182	-0.017464102	-0.016864694	-0.015459064	-0.020484602	-0.021661812	-0.026059165	-0.017132733	-0.017223349	-0.029227593	-0.029451634	-0.032014988
T+66	-0.016338297	-0.016424134	-0.046491346	-0.047471954	-0.018500094	-0.018685596	-0.018296586	-0.017516868	-0.016863781	-0.015451691	-0.02048353	-0.021771115	-0.026055014	-0.017134283	-0.017224465	-0.029199708	-0.029426431	-0.032025378
T+67	-0.016336351	-0.016419868	-0.046539401	-0.04753702	-0.018527701	-0.018712466	-0.018318933	-0.017464865	-0.016862854	-0.015459231	-0.020485996	-0.021094134	-0.025515787	-0.017131726	-0.017222448	-0.029171946	-0.029400111	-0.032035744
T+68	-0.016334427	-0.016415656	-0.046587112	-0.047607108	-0.018554989	-0.018738999	-0.01834104	-0.017516182	-0.016862002	-0.015472724	-0.020486691	-0.021759629	-0.026058468	-0.017133066	-0.017223285	-0.029144306	-0.029374957	-0.032046097
T+69	-0.016332526	-0.016411497	-0.046634483	-0.047671956	-0.01858196	-0.018765197	-0.018362909	-0.017465355	-0.016861221	-0.01548002	-0.020487385	-0.021086542	-0.025522826	-0.01713088	-0.017221568	-0.029116788	-0.029348976	-0.032056437
T+70	-0.016330647	-0.016407391	-0.046681514	-0.047740665	-0.018608616	-0.018791065	-0.018384544	-0.017515532	-0.016860503	-0.015476254	-0.020488076	-0.021749185	-0.026061395	-0.017132038	-0.017222287	-0.029089391	-0.029323908	-0.032066762
T+71	-0.01632879	-0.016403337	-0.046728209	-0.047780517	-0.018638962	-0.018816606	-0.018405845	-0.017465853	-0.016859845	-0.015466495	-0.020488766	-0.021539918	-0.025933938	-0.017130169	-0.017220824	-0.029062114	-0.029298232	-0.032077074
T+72	-0.016326955	-0.016399334	-0.046774569	-0.047872625	-0.018661001	-0.018841824	-0.018427116	-0.017514915	-0.01685924	-0.015459761	-0.020489455	-0.021739674	-0.026063849	-0.017131168	-0.017221441	-0.029034958	-0.029273276	-0.032087372
T+73	-0.016325141	-0.016395382	-0.046820596	-0.04793669	-0.018686735	-0.018866723	-0.018440859	-0.017466355	-0.016858686	-0.015460933	-0.020490141	-0.02107416	-0.025535375	-0.01712957	-0.017220196	-0.029007921	-0.029247879	-0.032097657
T+74	-0.016323348	-0.016391479	-0.046866293	-0.048002989	-0.018712168	-0.018891305	-0.018468775	-0.017514323	-0.016858176	-0.015467552	-0.020490826	-0.021730998	-0.026065879	-0.017130434	-0.017220726	-0.028981002	-0.029223055	-0.032107928
T+75	-0.016321576	-0.016387626	-0.046911661	-0.048066542	-0.018737303	-0.018915575	-0.018489267	-0.017466857	-0.016857709	-0.01547317	-0.02049151	-0.021069176	-0.025540983	-0.017129067	-0.017219665	-0.028954202	-0.029197917	-0.032118186
T+76	-0.016319825	-0.016383822	-0.046956702	-0.048131765	-0.018762143	-0.018939536	-0.018509992	-0.017517755	-0.016857279	-0.015473343	-0.020491512	-0.02127307	-0.026060753	-0.017128913	-0.017218709	-0.028927519	-0.029173239	-0.032128503
T+77	-0.01631809	-0.016380066	-0.047001418	-0.048194748	-0.01878669	-0.018963192	-0.018529587	-0.017467355	-0.016856885	-0.015468888	-0.020492872	-0.021064883	-0.025546204	-0.017128644	-0.017219216	-0.028900953	-0.029148343	-0.032138666
T+78	-0.016316383	-0.016376357	-0.047045812	-0.048258961	-0.018810949	-0.018986546	-0.018549419	-0.017513207	-0.016856524	-0.015464249	-0.020493551	-0.021715811	-0.026068839	-0.017129288	-0.017219607	-0.028874503	-0.029123821	-0.032148877
T+79	-0.016314692	-0.016372695	-0.047089885	-0.04832133	-0.018834921	-0.019009602	-0.018569036	-0.017467849	-0.016856192	-0.015463198	-0.020494228	-0.021061207	-0.025551077	-0.017128289	-0.017218837	-0.028848169	-0.029099156	-0.032159081
T+80	-0.016313021	-0.016369079	-0.047133639	-0.048384584	-0.018858611	-0.019032362	-0.01858844	-0.017512676	-0.016855887	-0.015461885	-0.020494903	-0.021709152	-0.026069843	-0.017128844	-0.017219173	-0.02882195	-0.029074798	-0.032169271
T+81	-0.016311369	-0.016365509	-0.047177076	-0.048446308	-0.01888202	-0.019054832	-0.018607631	-0.017468337	-0.016855607	-0.015459387	-0.020495577	-0.021058082	-0.025555634	-0.01712799	-0.017218517	-0.028795845	-0.029050353	-0.032179448
T+82	-0.016309737	-0.016361984	-0.047220199	-0.048502646	-0.018905152	-0.019077012	-0.018626162	-0.017511762	-0.016855338	-0.015457054	-0.020496251	-0.021013581	-0.026075574	-0.017128469	-0.017218005	-0.028769855	-0.029026165	-0.032189005
T+83	-0.016308123	-0.016358503	-0.047263009	-0.048569701	-0.018928009	-0.019098908	-0.018645389	-0.017468818	-0.016855115	-0.015469023	-0.02049692	-0.02105545	-0.025559906	-0.017127738	-0.017218247	-0.028743977	-0.029001931	-0.032199761
T+84	-0.016306529	-0.016355066	-0.047305508	-0.048631158	-0.018950596	-0.019120523	-0.018663959	-0.017511663	-0.016854898	-0.015466316	-0.02049759	-0.021697391	-0.026071061	-0.017128152	-0.017218494	-0.028718213	-0.028977916	-0.032209897
T+85	-0.016304953	-0.016351673	-0.047347697	-0.048691527	-0.018972913	-0.019141859	-0.018682326	-0.017469291	-0.01685747	-0.015464898	-0.020498257	-0.021053257	-0.02556392	-0.017127527	-0.017218019	-0.028692561	-0.028953889	-0.032220021
T+86	-0.016303395	-0.016348322	-0.04738958	-0.048752133	-0.018994965	-0.01916292	-0.018700491	-0.017511177	-0.016854517	-0.015465646	-0.020498923	-0.021692182	-0.026071328	-0.017127884	-0.017218231	-0.02866702	-0.028930049	-0.032230131
T+87	-0.016301855	-0.016345014	-0.047431158	-0.048811805	-0.019016754	-0.019183709	-0.018718457	-0.017469755	-0.01685435	-0.01546751	-0.020499588	-0.021051456	-0.025567702	-0.017127349	-0.017217826	-0.02864159	-0.028906222	-0.032240227
T+88	-0.016300333	-0.016341747	-0.047472433	-0.048871583	-0.019038284	-0.01919023	-0.018736726	-0.017510096	-0.016853196	-0.015468724	-0.020500254	-0.021008025	-0.02560736	-0.017127017	-0.017217657	-0.028618088	-0.028616271	-0.032250311
T+89	-0.016298829	-0.016338522	-0.047513406	-0.048930549	-0.019059555	-0.019224485	-0.0187538	-0.01747021	-0.016854055	-0.015468377	-0.020500912	-0.021050006	-0.025571272	-0.0171272	-0.017217663	-0.028591062	-0.028858927	-0.032260381
T+90	-0.016297343	-0.016335337	-0.04755408	-0.048989522	-0.019080573	-0.019244478	-0.018771181	-0.017510243	-0.016853925	-0.015467002	-0.020501572	-0.021682885	-0.026071296	-0.017127466	-0.017217819	-0.028565963	-0.028835442	-0.032270438
T+91	-0.016295873	-0.016332192	-0.047594457	-0.049047779	-0.019101338	-0.019264212	-0.018788369	-0.017470657	-0.016853807	-0.01546587	-0.02050223	-0.021048868	-0.025574652	-0.017127074	-0.017217525	-0.028540972	-0.028812002	-0.032280482
T+92	-0.016294421	-0.016329087	-0.047634538	-0.049105963	-0.019121855	-0.019283689	-0.018805369	-0.017509793	-0.016853697	-0.015465821	-0.020502886	-0.021678722	-0.026071037	-0.017127304	-0.017217659	-0.028516089	-0.028788695	-0.032290513
T+93	-0.016292988	-0.016326021	-0.047674325	-0.049163508	-0.019142125	-0.019303914	-0.018822147	-0.017493944	-0.016853597	-0.015466657	-0.020503552	-0.021510009	-0.025577859	-0.017127149	-0.017217969	-0.028491315	-0.028765444	-0.032300553
T+94	-0.016291567	-0.016322993	-0.047713821	-0.04922092	-0.019162152	-0.019321888	-0.018838807	-0.017509354	-0.016853505	-0.015467495	-0.020504195	-0.021674837	-0.026070638	-0.017127167	-0.017217524	-0.028466647	-0.028742315	-0.032310535
T+95	-0.016290165	-0.016320004	-0.047753027	-0.049277754	-0.019181937	-0.019340615	-0.018855249	-0.017471523	-0.016853421	-0.015467614	-0.020504847	-0.021047399	-0.025580909	-0.01712688	-0.01721731	-0.028442086	-0.028719248	-0.032320526
T+96	-0.016288779	-0.016317052	-0.047791945	-0.049334408	-0.019201485	-0.019359099	-0.01887151	-0.017508926	-0.016853343	-0.015467012	-0.020505498	-0.021671203	-0.026070115	-0.017127051	-0.017217409	-0.028417631	-0.028696296	-0.032330504
T+97	-0.016287409	-0.016314137	-0.047830577	-0.049390532	-0.019220796	-0.019377341	-0.01888759	-0.017471942	-0.016853272	-0.015466277	-0.020506147	-0.021047011	-0.025583817	-0.017126806	-0.017217227	-0.028393282	-0.028673413	-0.03234047
T+98	-0.016286055	-0.016311259	-0.047868924	-0.04944644	-0.019239875	-0.019395345	-0.018903492	-0.017508508	-0.016853207	-0.015465996	-0.020506794	-0.021667794	-0.026069482	-0.017126953	-0.017217312	-0.028369038	-0.028650638	-0.032350422
T+99	-0.016284717	-0.016308417	-0.047906989	-0.049501858	-0.019259722	-0.019413113	-0.018919858	-0.017545722	-0.016853158	-0.015466279	-0.020507444	-0.022286956	-0.026586596	-0.017126743	-0.017217157	-0.028344889	-0.028627935	-0.032360363
T+100	-0.016283395	-0.016305611	-0.047944773	-0.049557031	-0.019277342	-0.019430649	-0.018934769	-0.017508099	-0.016853092	-0.015466756	-0.020508084	-0.021664587	-0.02606875	-0.01712687	-0.01721723	-0.028320863	-0.028605335	-0.032370287
T+101	-0.016282088	-0.016302841	-0.047982279	-0.049617146	-0.019295736	-0.019447955	-0.018950147	-0.017472754	-0.016853041	-0.015466966	-0.020508727	-0.021046805	-0.025589258	-0.017126691	-0.017217098	-0.028296932	-0.02858281	-0.0323802
T+102	-0.016280796	-0.016300105	-0.048019507	-0.049666196	-0.019313908	-0.019465035	-0.018965354	-0.0175077	-0.016852995	-0.015466754	-0.020509368	-0.021661562	-0.026067931	-0.01712 68	-0.017217116	-0.028273103	-0.028560384	-0.0323901
T+103	-0.016279519	-0.016297403	-0.048056461	-0.049720213	-0.019331858	-0.01948189	-0.018980392	-0.017473147	-0.016852953	-0.015466335	-0.020510008	-0.021046947	-0.025591813	-0.017126647	-0.017217048	-0.028249376	-0.028538036	-0.032399988
T+104	-0.016278257	-0.016294735	-0.048093141	-0.049773949	-0.019349591	-0.019498524	-0.018995262	-0.01750731	-0.016852913	-0.015466056	-0.020510647	-0.0216587	-0.026067035	-0.017126741	-0.017217101	-0.028225752	-0.028515783	-0.032409862
T+105	-0.016277009	-0.016

T+168	-0.01622168	-0.016178312	-0.049948225	-0.052561429	-0.020127502	-0.020208066	-0.019667547	-0.01749855	-0.016852478	-0.015464472	-0.020548525	-0.021602402	-0.026025539	-0.017126417	-0.017216778	-0.026904713	-0.02725561	-0.033015952
T+169	-0.016221089	-0.016177136	-0.049970607	-0.052596048	-0.020135356	-0.020214972	-0.019674612	-0.017482188	-0.016852478	-0.015464452	-0.020549073	-0.021082103	-0.025649189	-0.017126416	-0.017216777	-0.026886754	-0.02723825	-0.033025032
T+170	-0.016220504	-0.016175974	-0.049992816	-0.052630427	-0.02014311	-0.020221784	-0.019681595	-0.017498365	-0.016852478	-0.015464432	-0.02054962	-0.021601065	-0.02602422	-0.017126417	-0.017216777	-0.02686887	-0.027220955	-0.033034101
T+171	-0.016219927	-0.016174826	-0.050014854	-0.052664568	-0.020150766	-0.020228503	-0.019688496	-0.017482371	-0.016852477	-0.015464412	-0.020550165	-0.021083371	-0.025650551	-0.017126416	-0.017216777	-0.026851058	-0.027203724	-0.033043158
T+172	-0.016219355	-0.016173693	-0.050036722	-0.052698472	-0.020158325	-0.020235131	-0.019695318	-0.017498185	-0.016852477	-0.015464392	-0.020550709	-0.021599738	-0.026022909	-0.017126417	-0.017216777	-0.026833321	-0.027186558	-0.033052204
T+173	-0.016218791	-0.016172574	-0.05005842	-0.052732141	-0.020165788	-0.020241668	-0.019702061	-0.017482549	-0.016852477	-0.015464372	-0.020551251	-0.021084635	-0.025651901	-0.017126416	-0.017216777	-0.026815656	-0.027169456	-0.033061238
T+174	-0.016218233	-0.016171469	-0.050079951	-0.052765576	-0.020173157	-0.020248115	-0.019708726	-0.017498009	-0.016852477	-0.015464352	-0.020551793	-0.02159842	-0.026021605	-0.017126417	-0.017216777	-0.026798065	-0.027152418	-0.03307026
T+175	-0.016217681	-0.016170378	-0.050101316	-0.052798778	-0.020180432	-0.020254475	-0.019715314	-0.017482723	-0.016852477	-0.015464332	-0.020552333	-0.021085897	-0.025653239	-0.017126416	-0.017216777	-0.026780545	-0.027135444	-0.033079271
T+176	-0.016217136	-0.0161693	-0.050122515	-0.05283175	-0.020187614	-0.020260747	-0.019721825	-0.017497837	-0.016852477	-0.015464313	-0.020552871	-0.021597112	-0.026020308	-0.017126417	-0.017216777	-0.026763098	-0.027118533	-0.033088271
T+177	-0.016216597	-0.016168236	-0.05014355	-0.052864492	-0.020194705	-0.020266934	-0.019728261	-0.017482893	-0.016852477	-0.015464295	-0.020553409	-0.021087154	-0.025654566	-0.017126416	-0.017216777	-0.026745723	-0.027101685	-0.033097259
T+178	-0.016216065	-0.016167185	-0.050164422	-0.052897006	-0.020201706	-0.020273035	-0.019734622	-0.017497669	-0.016852477	-0.015464276	-0.020553945	-0.021595813	-0.026019019	-0.017126417	-0.017216777	-0.026728418	-0.0270849	-0.033106236
T+179	-0.016215538	-0.016166147	-0.050185132	-0.052929293	-0.020208618	-0.020279054	-0.019740909	-0.01748306	-0.016852477	-0.015464257	-0.02055448	-0.021088408	-0.025655883	-0.017126416	-0.017216776	-0.026711185	-0.027068178	-0.033115201
T+180	-0.016215018	-0.016165122	-0.050205682	-0.052961356	-0.020215442	-0.02028499	-0.019747123	-0.017497504	-0.016852477	-0.015464239	-0.020555014	-0.021594523	-0.026017737	-0.017126416	-0.017216777	-0.026694023	-0.027051518	-0.033124155
T+181	-0.016214503	-0.01616411	-0.050226073	-0.052993194	-0.020222179	-0.020290845	-0.019753265	-0.017483222	-0.016852477	-0.015464221	-0.020555547	-0.021089657	-0.025657188	-0.017126416	-0.017216776	-0.026676931	-0.02703492	-0.033133098

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DJWEe12norVRNd	DJWEg11norVRNd	DJZle22stdVRNo	DJZle21stdVRNo	DJZls11norVRNo	DJZle11norVRNo	DJZle12norVRNo	DJZlg12norVRNo	DJLHe11qedVRNo	DJLHe12qedVRNo	DJLHe11stdVRNo	DJLHe12stdVRNo	DJLHe11norVRNo	DJLHe12norVRNo	DJLHe21norVRNo	DJNGe12stdVRNo	DJNGe21norVRNo	DJPEe11qedVRNo	DJPEe12qedVRNo
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DJPEe1stdVRNO	DJPEe2stdVRNO	DJPEe1norVRNO	DJPEe2norVRNO	DJSOe2jedVRNO	DJSOe1stdVRNO	DJSOe1norVRNO	DJSOe2norVRNO	DJSOe1norVRNO	SEFPs1jedVRNO	SEFPe1jedVRNO	SEFPe2jedVRNO	SEFPe1stdVRNO	SEFPe2stdVRNO	SEFPs1norVRNO	SEFPe1norVRNO	SEFPe2norVRNO	SEECs1jedVRNO	SEECe1jedVRNO
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-0.03088441	-0.03063387	-0.031880274	-0.032951647	-0.018070789	-0.024140347	-0.02561889	-0.024449388	-0.024424125	-0.022495188	-0.021349139	-0.021274052	-0.039113704	-0.041444157	-0.021538791	-0.023369504	-0.023542163	-0.015520637	-0.014695543

SEECe12qedVRNC	SEECe12stdVRNC	SEECs12norVRNO	SEECe12norVRNO	SEFLe11qedVRNO	SEFLg11qedVRNO	SEFLe11norVRNO	SEFLe12norVRNO	SEUTe11qedVRNC	SEUTe12qedVRNC	SEUTc11qedVRNC	SEUTe11stdVRNC	SEUTc11stdVRNC	SEUTe11norVRNO	SEUTe12norVRNC	SETRe11qedVRNO	SETRs12norVRNO	SETRe11norVRNO	SETRe12norVRNO
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-0.014631544	-0.020928772	-0.011356032	-0.014136684	-0.016301195	-0.016977573	-0.01471026	-0.013714336	-0.013972226	-0.013526271	-0.013079662	-0.020937834	-0.017260666	-0.013506444	-0.013406039	-0.012604624	-0.010704363	-0.012035684	-0.011885653
-0.014622553	-0.020915405	-0.011528026	-0.014216104	-0.016141972	-0.01683657	-0.015063591	-0.015931507	-0.01398854	-0.013440387	-0.013218114	-0.020986713	-0.017733075	-0.013599687	-0.013400208	-0.012438353	-0.010633168	-0.012023105	-0.011506319
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SETRg12norVRNO	SEMOe11qedVRN	SEMOe12qedVRN	SEMOe11stdVRNO	SEMOe11norVRN	SEOGe11qedVRN	SEOGe12qedVRN	SEOGe11stdVRNO	SEOGe11norVRN	SEOGe12norVRN	SEOGe12qedVRN	SEOEe11qedVRN	SEOEe12qedVRN	SEOEe11stdVRNO	SEOEe11norVRN	SEOEe12norVRN	SEAls11qedVRNO	SEAle11qedVRNO	SEAle12qedVRNO
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SEREe11norVRNO	SEREe12norVRNO	SEAEs11gedVRNO	SEAEe11gedVRNO	SEAEe11norVRNO	SEAEe12norVRNO	SESOe11gedVRNC	SESOe11stdVRNO	SESOe12stdVRNO	SETEe11gedVRNO	SETEe12gedVRNO	SETEs11stdVRNO	SETEe11stdVRNO	SETEe12stdVRNO	SETEe11norVRNO	SEBEe12gedVRNO	SEBEe11stdVRNO	SEBEe12norVRNO	SEETe11gedVRNO
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BITCc12gedVRNO	BITCe11norVRNO	BITCe12norVRNO	BITCc11norVRNO	LITCs11gedVRNO	LITCc11gedVRNO	LITCc12gedVRNO	LITCs11norVRNO	LITCe11norVRNO	LITCe12norVRNO	LITCe12gedVRNO	LITCq11norVRNO	LITCc11norVRNO	LITCc12norVRNO	GREXe11gedVRNO	GREXe12gedVRNG	GREXe12gedVRNC	GREXe12gedVRNC	DAXPs11gedVRNO	DAXPs11stdVRNO
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ES Out of Sample in R

ES in R Historical

	DJACESHI	DJALESHI	DJCCESHI	DJCFESHI	DJCPESHI	DJCTESHI	DJLEESHI	DJGOESHI	DJNIESHI	DJSIESHI	DJSUESHI	DJWEESHI	DJZIESHI	DJHIESHI	DJNGESHI	DJPEESHI	DJSOESHI	SEFPESHI	SEECESHI	SEFLESHI	SEUTESHI	SETRESHI	SEMJESHI	SEOGESHI
T+1	-0.021591	-0.036243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+2	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+3	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+4	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+5	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+6	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+7	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+8	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0386139	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+9	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0385805	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+10	-0.021591	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0323377	-0.0201484	-0.0423572	-0.0385805	-0.0381088	-0.033347	-0.0313849	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+11	-0.0217295	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+12	-0.0217295	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+13	-0.0217295	-0.0360243	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+14	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+15	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+16	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+17	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0266464	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+18	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0270024	-0.0325049	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+19	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0270024	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+20	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0270024	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+21	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0270024	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+22	-0.0217295	-0.0363709	-0.044687	-0.044687	-0.0270024	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.0275649	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+23	-0.0217027	-0.0363709	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+24	-0.0217027	-0.0363709	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+25	-0.0217027	-0.0363709	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+26	-0.0217027	-0.0363709	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+27	-0.0217027	-0.0363709	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238185	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+28	-0.0217027	-0.0363785	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+29	-0.0217027	-0.0363785	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+30	-0.0217027	-0.0363785	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0199691	-0.0423572	-0.038439	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+31	-0.0216826	-0.0363785	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+32	-0.0216826	-0.0363785	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0445543	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+33	-0.0216826	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260067	-0.0215468	-0.0267569	-0.0340814	-0.0435072
T+34	-0.0216826	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260096	-0.0215848	-0.0267569	-0.0340814	-0.0435072
T+35	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260096	-0.0215848	-0.0267569	-0.0340814	-0.0435072
T+36	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260096	-0.0215848	-0.0267569	-0.0340814	-0.0435072
T+37	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260096	-0.0215848	-0.0267569	-0.0340814	-0.0435072
T+38	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0198613	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260096	-0.0215848	-0.0267569	-0.0340814	-0.0435072
T+39	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315192	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0335768	-0.0238215	-0.027559	-0.0260096	-0.0215848	-0.0267569	-0.0340814	-0.0435072
T+40	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425392	-0.0282215	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0340814	-0.0435072
T+41	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425404	-0.0282215	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+42	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.0378435	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425404	-0.0282215	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+43	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425404	-0.0282215	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+44	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425404	-0.0282215	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+45	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425404	-0.0282215	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+46	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0446017	-0.0482272	-0.0425404	-0.0280787	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+47	-0.0216941	-0.0365033	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0447394	-0.0482272	-0.0425404	-0.0280787	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+48	-0.0216941	-0.0367211	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0425404	-0.0282062	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+49	-0.0216941	-0.0367211	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0425404	-0.0282062	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+50	-0.0216941	-0.0367211	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0425404	-0.0282062	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+51	-0.0216941	-0.0367211	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0425404	-0.0282062	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+52	-0.0216941	-0.0367211	-0.044687	-0.044687	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0425404	-0.0282062	-0.0343849	-0.0238215	-0.027559	-0.0260096	-0.0217332	-0.0267569	-0.0342249	-0.0435072
T+53	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.0269419	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.027559	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+54	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.027559	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+55	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.027559	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+56	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+57	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+58	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+59	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0315375	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+60	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+61	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+62	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+63	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0347555	-0.0238215	-0.0275727	-0.0260096	-0.0218806	-0.0267569	-0.0342359	-0.043575
T+64	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0346917	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+65	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0346917	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+66	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0449917	-0.0482272	-0.0426686	-0.0282062	-0.0346917	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+67	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0346917	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+68	-0.0216941	-0.0367211	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0346917	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+69	-0.0216941	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0346917	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+70	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+71	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+72	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0197673	-0.0423572	-0.037831	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+73	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0426686	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+74	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+75	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0482272	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0260096	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+76	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0516788	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0261609	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+77	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0516788	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0261609	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+78	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0516788	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0261609	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+79	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0194944	-0.0423572	-0.0373264	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0516788	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0261609	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+80	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0190404	-0.0423572	-0.0368324	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0517821	-0.0433525	-0.0282062	-0.0347231	-0.0238215	-0.0275727	-0.0261609	-0.0217916	-0.0267569	-0.0342359	-0.043575
T+81	-0.0217294	-0.0371671	-0.0446594	-0.0446594	-0.027069	-0.0325252	-0.0190404	-0.0423572	-0.0368324	-0.0381088	-0.033347	-0.0316712	-0.0454445	-0.0517821	-0.0439507	-0.0282062	-0.0347231

T+167	-0.021839	-0.0377014	-0.0441322	-0.0441322	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.0454445	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+168	-0.021839	-0.0377014	-0.0441322	-0.0441322	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.0454445	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+169	-0.021839	-0.0377014	-0.0441322	-0.0441322	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.0454445	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+170	-0.021839	-0.0377014	-0.0441322	-0.0441322	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.0454445	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+171	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.0454445	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+172	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.0454445	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+173	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0273669	-0.0325252	-0.0189925	-0.0424849	-0.0363884	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+174	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0273669	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+175	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0273669	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+176	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0273669	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+177	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0272088	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+178	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0272088	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+179	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0272088	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+180	-0.021839	-0.0377014	-0.0434619	-0.0434619	-0.0272088	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.035216	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342
T+181	-0.021839	-0.0377139	-0.0434619	-0.0434619	-0.0272088	-0.0325252	-0.0190248	-0.0424849	-0.0364319	-0.0383307	-0.0334078	-0.0316529	-0.046138	-0.0516425	-0.0449142	-0.0282062	-0.0353391	-0.0237895	-0.027582	-0.0264439	-0.0218755	-0.0266576	-0.0346548	-0.044342

ES in R modified

	DJACESMO	DJALESMO	DJCCESMO	DJCFESMO	DJCPESMO	DJCTESMO	DJLEESMO	DJGOESMO	DJNIESMO	DJSIESMO	DJSUESMO	DJWEESMO	DJZIESMO	DJLHESMO	DJNGESMO	DJPEESMO	DJSOESMO	SEFPESMO	SEECESMO	SEFLESMO	SEUTESMO	SETRESMO	SEMOESMO	SEOGESMO
T+1	-0.019875	-0.0271604	-0.0352095	-0.0352095	-0.0217026	-0.0260256	-0.0156982	-0.0329725	-0.0266299	-0.0316449	-0.0292555	-0.0260853	-0.0339694	-0.0426746	-0.0346554	-0.0221162	-0.0252389	-0.0187861	-0.0214832	-0.0195052	-0.0166076	-0.0211858	-0.0250739	-0.0346191
T+2	-0.0198849	-0.0272009	-0.0354602	-0.0352113	-0.0217026	-0.0260469	-0.0156454	-0.0329781	-0.0266299	-0.0316449	-0.0292555	-0.0260898	-0.0339694	-0.0426584	-0.0346555	-0.0221171	-0.02524	-0.0187861	-0.0214832	-0.0195055	-0.0166077	-0.0211839	-0.0250739	-0.0346166
T+3	-0.0198874	-0.0271323	-0.0352135	-0.0352135	-0.0217028	-0.0260196	-0.0156447	-0.0329616	-0.0265906	-0.0316446	-0.0292696	-0.0260775	-0.0339697	-0.0426533	-0.0346489	-0.022114	-0.0252314	-0.0187766	-0.0214812	-0.0194937	-0.0166064	-0.0211835	-0.0250646	-0.034617
T+4	-0.0198955	-0.0271325	-0.0352065	-0.0352065	-0.0216998	-0.0260121	-0.0156392	-0.0329213	-0.0265957	-0.0316428	-0.0292731	-0.0260817	-0.0339693	-0.0426611	-0.0346497	-0.0221147	-0.0252456	-0.0187765	-0.0214941	-0.0194973	-0.0166157	-0.0212029	-0.0250682	-0.034618
T+5	-0.0198953	-0.0271412	-0.0352168	-0.0352168	-0.0217017	-0.0260355	-0.0156392	-0.0329215	-0.0265944	-0.0316575	-0.0293023	-0.0260812	-0.0339743	-0.0426706	-0.0346648	-0.0221227	-0.0252522	-0.0187814	-0.0215069	-0.0195107	-0.0166229	-0.0212207	-0.0250896	-0.0346505
T+6	-0.0199265	-0.0271571	-0.0352359	-0.0352359	-0.0216888	-0.0260425	-0.0156391	-0.03292	-0.026596	-0.0316666	-0.0293244	-0.0260805	-0.0340867	-0.042678	-0.0346765	-0.0221222	-0.0252597	-0.0187809	-0.0215108	-0.0195111	-0.0166214	-0.0212185	-0.0251056	-0.034692
T+7	-0.0199351	-0.0271669	-0.035235	-0.035235	-0.0216713	-0.0260585	-0.0156426	-0.0329252	-0.0265963	-0.0316746	-0.0293295	-0.0260901	-0.0340873	-0.0426778	-0.034675	-0.0221217	-0.0252577	-0.0187803	-0.0215074	-0.0195119	-0.0166283	-0.0212202	-0.0251079	-0.0347007
T+8	-0.0199342	-0.0271667	-0.0352394	-0.0352394	-0.0216678	-0.026061	-0.0156424	-0.0329215	-0.0265972	-0.0316753	-0.0293288	-0.0260973	-0.034088	-0.0426583	-0.0346762	-0.0221153	-0.0252511	-0.0187746	-0.0214904	-0.0195055	-0.0166257	-0.0212164	-0.0250988	-0.0346713
T+9	-0.019931	-0.0271608	-0.0352431	-0.0352431	-0.0216619	-0.0260619	-0.0156182	-0.0328977	-0.026548	-0.0316741	-0.0293258	-0.0261032	-0.0340605	-0.0426566	-0.0346593	-0.0221136	-0.0252511	-0.018771	-0.0214977	-0.0195047	-0.0166156	-0.0211924	-0.025097	-0.03466
T+10	-0.0199234	-0.0271596	-0.0352394	-0.0352394	-0.0216615	-0.0260709	-0.0156078	-0.0328985	-0.026548	-0.0316752	-0.0293193	-0.0261096	-0.0340605	-0.0426527	-0.0346547	-0.0221135	-0.0252076	-0.0187652	-0.0214817	-0.0195019	-0.0166084	-0.0211847	-0.0250947	-0.0346595
T+11	-0.0199813	-0.0271673	-0.0352404	-0.0352404	-0.021678	-0.0261424	-0.0155458	-0.0329153	-0.026483	-0.031676	-0.0293467	-0.0261764	-0.0341116	-0.042646	-0.0346545	-0.0221152	-0.0252068	-0.0187659	-0.0214822	-0.019486	-0.0166144	-0.0211854	-0.0250995	-0.0346592
T+12	-0.0199821	-0.0271723	-0.0352434	-0.0352434	-0.0216808	-0.0261769	-0.0155477	-0.0329463	-0.0264843	-0.0317602	-0.0293879	-0.0261983	-0.0341259	-0.0426482	-0.0346538	-0.0221174	-0.025206	-0.018791	-0.0214873	-0.0195066	-0.0166175	-0.0211863	-0.0251039	-0.0347105
T+13	-0.0199795	-0.0271737	-0.0352605	-0.0352605	-0.0217033	-0.0261782	-0.0155501	-0.0329476	-0.0264843	-0.0317683	-0.0294181	-0.0262031	-0.0341243	-0.0426553	-0.0346569	-0.0221268	-0.0252308	-0.0188041	-0.0214898	-0.0195146	-0.0166186	-0.0211902	-0.0251102	-0.0347512
T+14	-0.0199891	-0.0272933	-0.0352701	-0.0352701	-0.0217017	-0.0261792	-0.0155575	-0.032947	-0.0264949	-0.0317682	-0.0294457	-0.0262166	-0.0341252	-0.0426797	-0.0346878	-0.0221299	-0.025211	-0.0188058	-0.0214898	-0.0195182	-0.0166214	-0.0211877	-0.0251101	-0.0347475
T+15	-0.0199735	-0.027285	-0.0352737	-0.0352737	-0.0217037	-0.0261792	-0.0155548	-0.0329587	-0.0264867	-0.0317935	-0.0294379	-0.0262181	-0.0341282	-0.0426718	-0.0346806	-0.0221281	-0.025172	-0.0188058	-0.0214887	-0.0195161	-0.0166208	-0.0211868	-0.0251087	-0.034745
T+16	-0.0199759	-0.0272802	-0.035277	-0.035277	-0.0216985	-0.0261769	-0.0155532	-0.0329721	-0.0264863	-0.0318033	-0.029435	-0.0262191	-0.0341351	-0.0426641	-0.0346813	-0.0221305	-0.0251711	-0.0188033	-0.0214786	-0.019516	-0.0166192	-0.0211816	-0.0251096	-0.0347422
T+17	-0.0199739	-0.0272802	-0.0352746	-0.0352746	-0.0217	-0.0261769	-0.0154737	-0.0329766	-0.0264579	-0.0318173	-0.0294388	-0.0262215	-0.034139	-0.0426592	-0.0346626	-0.0221293	-0.0251717	-0.0188031	-0.0214784	-0.0195023	-0.0166143	-0.0211727	-0.0251061	-0.0347344
T+18	-0.0199724	-0.0272542	-0.0352923	-0.0352923	-0.021795	-0.0261762	-0.0154681	-0.0329758	-0.0264588	-0.0318045	-0.0294112	-0.026224	-0.0342043	-0.042699	-0.034664	-0.0221448	-0.0251713	-0.0188032	-0.0214803	-0.0195005	-0.0166145	-0.0211687	-0.0251055	-0.0347369
T+19	-0.0199762	-0.0272915	-0.0352863	-0.0352863	-0.0217969	-0.0262279	-0.0154678	-0.032976	-0.0264559	-0.0318031	-0.0294155	-0.0262448	-0.0342794	-0.0426948	-0.0346607	-0.0221619	-0.0251733	-0.0188103	-0.0214873	-0.019527	-0.0166196	-0.0211737	-0.0251046	-0.0347369
T+20	-0.0199786	-0.027291	-0.0353063	-0.0353063	-0.0217962	-0.0262396	-0.0154672	-0.0329763	-0.0264594	-0.0318046	-0.0294218	-0.0262805	-0.0342013	-0.0426997	-0.0346638	-0.0221904	-0.0251734	-0.0188107	-0.021488	-0.0195284	-0.0166196	-0.0211737	-0.0251037	-0.034739
T+21	-0.0200124	-0.0273135	-0.035301	-0.035301	-0.0217964	-0.0262499	-0.0154787	-0.0330589	-0.0264594	-0.0318023	-0.0294231	-0.0262904	-0.0342185	-0.0426903	-0.0346604	-0.0221941	-0.025175	-0.0188111	-0.0214879	-0.0195276	-0.0166197	-0.0211735	-0.0251028	-0.0347431
T+22	-0.0200076	-0.0273103	-0.035299	-0.035299	-0.0217902	-0.0262506	-0.0154492	-0.0330323	-0.0264416	-0.0318179	-0.0294226	-0.0262884	-0.0342198	-0.0426563	-0.0346518	-0.0221942	-0.0251621	-0.0188115	-0.0214881	-0.0195268	-0.0166119	-0.0211694	-0.0251014	-0.0347394
T+23	-0.0199747	-0.0272772	-0.0352887	-0.0352887	-0.0217473	-0.0262265	-0.0154413	-0.03301	-0.0264344	-0.0318247	-0.029422	-0.0262622	-0.0342178	-0.0426564	-0.0346267	-0.0221968	-0.0251549	-0.0187817	-0.0214531	-0.0195249	-0.0166072	-0.0211697	-0.0250928	-0.0347282
T+24	-0.019979	-0.0272658	-0.0352908	-0.0352908	-0.0217145	-0.0262262	-0.0154329	-0.0330186	-0.0264347	-0.031819	-0.0294138	-0.0262621	-0.0342162	-0.0426556	-0.0346248	-0.0221984	-0.0251383	-0.0187829	-0.0214556	-0.0195289	-0.0166079	-0.0211722	-0.0250929	-0.0347284
T+25	-0.0199755	-0.0272636	-0.0352961	-0.0352961	-0.0217125	-0.0262499	-0.0154333	-0.033015	-0.0264234	-0.0318265	-0.0294196	-0.0263009	-0.0342183	-0.0426517	-0.0346293	-0.0221881	-0.025124	-0.0187793	-0.0214401	-0.0195363	-0.016607	-0.0211643	-0.0250795	-0.0347459
T+26	-0.0199768	-0.027325	-0.0352909	-0.0352909	-0.0217165	-0.0262655	-0.0154384	-0.0330256	-0.0264324	-0.0318594	-0.0294213	-0.026306	-0.0342285	-0.0426762	-0.0346319	-0.0221818	-0.0251294	-0.0187791	-0.0214398	-0.0195371	-0.0166138	-0.0211638	-0.0251083	-0.0347469
T+27	-0.0200109	-0.0273488	-0.0352894	-0.0352894	-0.0217291	-0.0262685	-0.0154532	-0.0330563	-0.026439	-0.0318581	-0.0294262	-0.0263223	-0.0342897	-0.0426713	-0.0346318	-0.0221746	-0.0251299	-0.0187793	-0.0214431	-0.0195395	-0.0166141	-0.0211638	-0.0251066	-0.0347479
T+28	-0.0200242	-0.0274026	-0.0353104	-0.0353104	-0.021759	-0.0262721	-0.0154546	-0.0330552	-0.026473	-0.0318761	-0.0294299	-0.0264219	-0.0343515	-0.0426748	-0.0346351	-0.0221825	-0.0251487	-0.0188142	-0.0214767	-0.0195396	-0.016613	-0.021194	-0.0251076	-0.0347558
T+29	-0.020016	-0.0274051	-0.0353064	-0.0353064	-0.0217558	-0.0262697	-0.0154503	-0.0330575	-0.0264743	-0.0318346	-0.0294299	-0.0264206	-0.0343456	-0.0426652	-0.0346302	-0.0221824	-0.0251501	-0.0188084	-0.021466	-0.0195409	-0.0166173	-0.0211962	-0.025099	-0.0347561
T+30	-0.0200159	-0.0274181	-0.0353063	-0.0353063	-0.0217702	-0.0262707	-0.0154518	-0.0330052	-0.026462	-0.031829	-0.0294204	-0.0264195	-0.0343346	-0.0426616	-0.0346261	-0.0221824	-0.0251393	-0.0188028	-0.0214546	-0.0195392	-0.01662	-0.0211928	-0.0250992	-0.0347523
T+31	-0.019978	-0.0274122	-0.0352912	-0.0352912	-0.0217398	-0.0262559	-0.0154559	-0.0330531	-0.0264622	-0.0318955	-0.0294077	-0.0264085	-0.0343184	-0.0426494	-0.0346195	-0.0221728	-0.0251377	-0.0188044	-0.0214494	-0.0195399	-0.0166228	-0.0211946	-0.025096	-0.0347344
T+32	-0.0199745	-0.0275198	-0.035379	-0.035379	-0.0217323	-0.0262609	-0.0154044	-0.0330505	-0.0262974	-0.0318787	-0.0294163	-0.0264013	-0.034322	-0.0426319	-0.0345884	-0.0221584	-0.0251413	-0.018803	-0.0214579	-0.0195363	-0.016625	-0.021177	-0.025097	-0.0347314
T+33	-0.0200845	-0.0275969	-0.0353838	-0.0353838	-0.0217291	-0.0262924	-0.0154076	-0.0330546	-0.026297	-0.0318806	-0.0294219	-0.0264014	-0.0343932	-0.0426301	-0.0345889	-0.0221637	-0.0251429	-0.0188085	-0.0214631	-0.0195356	-0.0166279	-0.0211773	-0.0250963	-0.0347327
T+34	-0.0201085	-0.0276006	-0.0353777	-0.0353777	-0.021733	-0.0262957	-0.0154085	-0.033086	-0.0263003	-0.03188	-0.0294188	-0.0263982	-0.0344574	-0.042651	-0.0346161	-0.0221661	-0.0251681	-0.0188325	-0.0214629	-0.0195707	-0.0166666	-0.0211756	-0.0250973	-0.0347392
T+35	-0.0201401	-0.0275997	-0.0353773	-0.0353773	-0.0217303	-0.0262955	-0.0154408	-0.033082	-0.0262977	-0.0318955	-0.0294157	-0.0264024	-0.0345053	-0.0426487	-0.0346184	-0.0221734	-0.0251767	-0.0188345	-0.0214631	-0.0195727	-0.0166798	-0.0211816	-0.0251185	-0.0347671
T+36	-0.0201508	-0.0275947	-0.0353741	-0.0353741	-0.0217295	-0.0262982	-0.0154075	-0.0330814	-0.026302	-0.0318932	-0.0294082	-0.0264024	-0.0345049	-0.0426496	-0.034669	-0.0221685	-0.0251777	-0.0188308	-0.0214548	-0.0195719	-0.0166881	-0.0211856	-0.0251227	-0.0347723
T+37	-0.0201645	-0.0275637	-0.0353462	-0.0353462	-0.0217216	-0.0263025	-0.0154109	-0.0330602	-0.0263108	-0.0318823	-0.0294085	-0.0263982	-0.0344947	-0.0426504	-0.0346108	-0.022169	-0.0251699	-0.0188307	-0.0214529	-0.0195733	-0.0166849	-0.0211913	-0.0251267	-0.0347773
T+38	-0.0201781	-0.0275343	-0.0353238	-0.0353238	-0.0217215	-0.0263007	-0.0154072	-0.0330541	-0.0263142	-0.0318788	-0.0294132	-0.0263942	-0.0344952	-0.0426512	-0.0346007	-0.0221675	-0.0251721	-0.0188149	-0.0214428	-0.0195654	-0.0166846	-0.0211891	-0.0251275	-0.0347632
T+39	-0.0201826	-0.0275308	-0.0353248	-0.0353248	-0.0217298	-0.0263306	-0.0153635	-0.0330851	-0.0262914	-0.0318787	-0.0294117	-0.0264069	-0.0345148	-0.0426504	-0.0346006	-0.0221465	-0.0251797	-0.0188115	-0.0214416	-0.019564	-0.0166845	-0.0211995	-0.0251208	-0.0347826
T+40	-0.0201847	-0.0275433	-0.035336	-0.035336	-0.0217322	-0.0263443	-0.0153623	-0.033126	-0.0262955	-0.0318866	-0.02942	-0.026456	-0.0345275	-0.0426497	-0.0346341	-0.0221579	-0.0254413	-0.0188297	-0.0214594	-0.0195745	-0.0167456	-0.021212	-0.02513	-0.0348009
T+41	-0.0202032	-0.0275343	-0.0353341	-0.0353341	-0.0217324	-0.0264542	-0.0154253	-0.0331231	-0.0263068	-0.0318838	-0.0294234	-0.0264642	-0.0345773	-0.0426641	-0.0347004	-0.0221607	-0.0254628	-0.0188632	-0.0214687	-0.0196092	-0.0167667	-0.0212414	-0.0252123	-0.0348634
T+42	-0.0202044	-0.0275759	-0.0353554	-0.0353554	-0.0217299	-0.0264833	-0.0154294	-0.0331312	-0.0263202	-0.0318831	-0.0294301	-0.0264666	-0.0345779	-0.0426835	-0.0347006	-0.0221634	-0.0254635	-0.0188973	-0.0214854	-0.0196273	-0.0167668	-0.0212474	-0.0252143	-0.0348633
T+43	-0.0202027	-0.0275614	-0.0353373	-0.0353373	-0.02175	-0.0264715	-0.0154187	-0.0331134	-0.0262605	-0.0318772	-0.0294292	-0.0264685	-0.034577	-0.0426819	-0.0346832	-0.0221623	-0.0254209	-0.0188963	-0.0214796	-0.0196256	-0.0167605	-0.0212475	-0.0252088	-0.0348462
T+44	-0.0202033	-0.0275562	-0.0353048	-0.0353048	-0.0217502	-0.0264671	-0.0154165	-0.0331155	-0.0262365	-0.0318734	-0.0294289	-0.0264749	-0.0345774	-0.0426701	-0.0346827	-0.0221634	-0.0254011	-0.0188953	-0.0214785	-0.0196239	-0.0167599	-0.0212454	-0.0251993	-0.0348457
T+45	-0.0202032	-0.0275596	-0.0353011	-0.0353011	-0.0217269	-0.0264649	-0.0154042	-0.033115	-0.0262323	-0.0318636	-0.0294273	-0.0264805	-0.0345657	-0.0426699	-0.0346837	-0.0221635	-0.0254021	-0.0188956	-0.0214786	-0.0196042	-0.0167598	-0.0212432	-0.0251988	-0.0348485
T+46	-0.020202	-0.0275705	-0.0352918	-0.0352918	-0.0217304	-0.0264845	-0.0154043	-0.0331154	-0.0262335	-0.0318756	-0.0294286	-0.0264804	-0.0345663	-0.0426722	-0.0346823	-0.0221125	-0.025406	-0.01893	-0.0214796	-0.0196013	-0.0167868	-0.0212465	-0.0251972	-0.0348498
T+47	-0.0202039	-0.0275755	-0.035341	-0.035341	-0.0216997	-0.0264931	-0.0154031	-0.0331166	-0.0262299	-0.0318684	-0.029411	-0.0265029	-0.0346538	-0.0426733	-0.0346784	-0.0221205	-0.0254077	-0.0189007	-0.0214806	-0.0196037	-0.0167932	-0.0212479	-0.0252026	-0.0348494
T+48	-0.0202061	-0.0276729	-0.0353446	-0.0353446	-0.0217316	-0.0265351	-0.0153987	-0.0331312	-0.0262726	-0.0319191	-0.0294492	-0.0264997	-0.0347656	-0.0427368	-0.0347225	-0.0221693	-0.0254474	-0.0189387	-0.0214806	-0.0196037	-0.0167949	-0.0212479	-0.025213	-0.0348754
T+49	-0.0202121	-0.0276734	-0.0353449	-0.0353449	-0.0217312	-0.0265361	-0.0153957	-0.0331248	-0.0262211	-0.0319198	-0.0294474	-0.0265382	-0.0347799	-0.0427358	-0.0347197	-0.0221791	-0.0254476	-0.018948	-0.0214804	-0.0196052	-0.0167991	-0.0212491	-0.0252123	-0.0348717
T+50	-0.0202126	-0.0276742	-0.0353507	-0.0353507	-0.0217305	-0.0265364	-0.0153969	-0.0331251	-0.0262212	-0.0319163	-0.0294508	-0.0265382	-0.0347791	-0.0427246	-0.0347163	-0.0221688	-0.0254295	-0.0189372	-0.0214733	-0.0195997	-0.0167945	-0.0212423	-0.0252111	-0.0348777
T+51	-0.0202039	-0.0276751	-0.0353629	-0.0353629	-0.0217313	-0.0265367	-0.015376	-0.0331175	-0.0262042	-0.0319154	-0.0294494	-0.0265343	-0.0347785	-0.0427186	-0.0347176	-0.0221672	-0.0254332	-0.0189358	-0.0214645	-0.0195977	-0.0167878	-0.0212341	-0.025216	-0.0348763
T+52	-0.0202043	-0.0276696	-0.0353777	-0.0353777	-0.0217328	-0.0265324	-0.0153568	-0.0331098	-0.0261993	-0.0319124	-0.0294521	-0.0265331	-0.0347749	-0.0427296	-0.0347127	-0.0221608	-0.0254374	-0.0189377	-0.0214677	-0.0195986	-0.016789	-0.0212368	-0.0252195	-0.0348702
T+53	-0.0202103	-0.0276729	-0.0353228	-0.0353228	-0.0217296	-0.0265315	-0.0153611	-0.0331253	-0.0262082	-0.0319075	-0.0294525	-0.0265319	-0.0347796	-0.0427317	-0.0347199	-0.0221412	-0.0254634	-0.0189451	-0.0214838	-0.0196056	-0.0168497	-0.0212585	-0.0252787	-0.0348423
T+54	-0.0202109	-0.0277332	-0.0353303	-0.0353303	-0.0217862	-0.0265335	-0.0153653	-0.0331389	-0.0262086	-0.0319086	-0.0294817	-0.026533	-0.0348775	-0.042753	-0.0347972	-0.0221518	-0.0255819	-0.0189474	-0.0214862	-0.0196047	-0.0168501	-0.021259	-0.0252815	-0.0349454
T+55	-0.0202126	-0.027776	-0.0353299	-0.0353299	-0.0217872	-0.0265298	-0.0153643	-0.0331437	-0.0262111	-0.0319096	-0.0295276	-0.0265424	-0.0348923	-0.0427521	-0.0347945	-0.0221658	-0.0255892	-0.0189475	-0.0214946	-0.0196038	-0.0168522	-0.0212627	-0.0252798	-0.0349425
T+56	-0.0202103	-0.0277855	-0.0353449	-0.0353449	-0.0217904	-0.026534	-0.0153263	-0.0331738	-0.02621	-0.0319179	-0.0295767	-0.02654	-0.0348995	-0.0427619	-0.0347916	-0.0221657	-0.02559	-0.0189571	-0.021532	-0.0196145	-0.0168584	-0.0213008	-0.0252858	-0.034966
T+57	-0.0202116	-0.0277791	-0.0353642	-0.0353642	-0.0217955	-0.0265415	-0.0153647	-0.0331712	-0.0262142	-0.0319249	-0.0295721	-0.0265312	-0.0348995	-0.0427657	-0.0347915	-0.0221671	-0.0255895	-0.0189529	-0.0215238	-0.0195994	-0.0168575	-0.021299	-0.0252733	-0.0349497
T+58	-0.0202013	-0.0277869	-0.0353781	-0.0353781	-0.0217907	-0.0265356	-0.0153644	-0.0331597	-0.026207	-0.0319292	-0.0295709	-0.026526	-0.0348983	-0.0427696	-0.034788	-0.0221615	-0.0255875	-0.0189536	-0.0215241	-0.0195997	-0.0168405	-0.021299	-0.0252729	-0.0349494
T+59	-0.0202032	-0.0277967	-0.0353975	-0.0353975	-0.0217972	-0.0265432	-0.0153656	-0.0331866	-0.0262224	-0.0319358	-0.0295716	-0.0265301	-0.034897	-0.0427735	-0.0347879	-0.0221635	-0.0255587	-0.0189534	-0.0215246	-0.0196	-0.0168405	-0.0212984	-0.0252722	-0.0349494
T+60	-0.0202121	-0.0277976	-0.0354183	-0.0354183	-0.0218009	-0.0265535	-0.0153677	-0.0331652	-0.0262219	-0.0319504	-0.0295925	-0.0266012	-0.0348962	-0.042778	-0.0348039	-0.02217	-0.0255558	-0.0189517	-0.0215249	-0.0195986	-0.0168434	-0.0212918	-0.025271	-0.0349627
T+61	-0.0202166	-0.0277981	-0.0354151	-0.0354151	-0.0217988	-0.0265603	-0.0153694	-0.0332015	-0.0262121	-0.0319578	-0.0295893	-0.0266374	-0.0349048	-0.0427854	-0.0348162	-0.0221662	-0.0256054	-0.0189498	-0.021524	-0.0195978	-0.0168432	-0.0212916	-0.0253145	-0.03498
T+62	-0.0202139	-0.0278018	-0.0354725	-0.0354725	-0.0218351	-0.0265624	-0.0153852	-0.0332161	-0.0262455	-0.0319553	-0.0295901	-0.0266437	-0.0349077	-0.0427927	-0.034865	-0.0222293	-0.025622	-0.0189439	-0.0215609	-0.0195984	-0.0168427	-0.0212958	-0.025365	-0.0350162
T+63	-0.0202108	-0.0278023	-0.0354752	-0.0354752	-0.021835	-0.0265707	-0.0153792	-0.033216	-0.02623	-0.0319594	-0.0295869	-0.026641	-0.0349082	-0.0427935	-0.0348714	-0.0222258	-0.0256278	-0.0189377	-0.0215574	-0.0195987	-0.0168422	-0.0212984	-0.0253715	-0.0350148
T+64	-0.020096	-0.02748	-0.0354844	-0.0354844	-0.0218348	-0.0265818	-0.0153788	-0.0332164	-0.0262511	-0.0319565	-0.0295878	-0.0266437	-0.0349032	-0.042805	-0.0348679	-0.0222355	-0.0256598	-0.0189396	-0.0215364	-0.0195979	-0.0167958	-0.0212904	-0.0253596	-0.0349776
T+65	-0.0201943	-0.0277804	-0.0354707	-0.0354707	-0.0218355	-0.0265938	-0.0153455	-0.0332187	-0.0261497	-0.0319558	-0.0295782	-0.026647	-0.0348971	-0.0428135	-0.034868	-0.022226	-0.0255743	-0.

T+151	-0.0202735	-0.0285308	-0.0348784	-0.0348784	-0.0220686	-0.0269376	-0.0149524	-0.0333028	-0.0255689	-0.0321357	-0.0293493	-0.0269244	-0.0356302	-0.045643	-0.0362192	-0.0222613	-0.0261263	-0.0189965	-0.0216738	-0.01983	-0.0170985	-0.0214641	-0.025781	-0.0354777
T+152	-0.0202671	-0.0285538	-0.0348694	-0.0348694	-0.0220686	-0.0269334	-0.014951	-0.0333088	-0.025569	-0.0321513	-0.0293434	-0.026925	-0.0356358	-0.0456548	-0.0362205	-0.0222598	-0.0261143	-0.0189904	-0.0216685	-0.0198262	-0.0170856	-0.0214568	-0.0257762	-0.0354751
T+153	-0.0202591	-0.0285531	-0.034897	-0.034897	-0.0220694	-0.026931	-0.0149512	-0.0333082	-0.0255702	-0.0321557	-0.0293393	-0.0269269	-0.0357006	-0.045662	-0.0362299	-0.0222651	-0.0261298	-0.0189847	-0.0216614	-0.0198218	-0.0170741	-0.0214456	-0.025794	-0.0354708
T+154	-0.0202793	-0.0285496	-0.0349165	-0.0349165	-0.0220833	-0.0269267	-0.0149518	-0.033331	-0.0255807	-0.0321674	-0.0293386	-0.0269394	-0.0357032	-0.0456983	-0.0362455	-0.0222635	-0.0261172	-0.0189874	-0.0216556	-0.0198162	-0.0170594	-0.021436	-0.0257894	-0.0354734
T+155	-0.0202384	-0.0285472	-0.034814	-0.034814	-0.0220851	-0.0269261	-0.0149385	-0.0332918	-0.0255656	-0.0321635	-0.02933	-0.026919	-0.0356884	-0.0456774	-0.0362287	-0.0222619	-0.0261107	-0.0189619	-0.0216393	-0.0198032	-0.0170245	-0.0214159	-0.0257869	-0.0354667
T+156	-0.0202389	-0.0285481	-0.0345193	-0.0345193	-0.0220815	-0.0269251	-0.0149396	-0.0332958	-0.0255671	-0.0321413	-0.0293285	-0.0269141	-0.0356831	-0.0456354	-0.0362095	-0.0222606	-0.0261076	-0.018959	-0.0216414	-0.0198048	-0.0170238	-0.0214134	-0.0257843	-0.0354441
T+157	-0.0202342	-0.0285455	-0.0344468	-0.0344468	-0.022026	-0.0269265	-0.0149374	-0.0332975	-0.0255633	-0.0321413	-0.0293295	-0.0269091	-0.0356836	-0.0456287	-0.0362115	-0.0222565	-0.0261042	-0.0189577	-0.0216337	-0.0197993	-0.017024	-0.0214	-0.0257792	-0.0354424
T+158	-0.0202065	-0.0285497	-0.0344543	-0.0344543	-0.0220237	-0.0269038	-0.0149215	-0.0333074	-0.0254938	-0.0321197	-0.0293272	-0.0269032	-0.0357142	-0.0456174	-0.0362235	-0.0222525	-0.0260715	-0.0189537	-0.0216327	-0.0197959	-0.0169942	-0.0213481	-0.0257782	-0.0354424
T+159	-0.0202181	-0.0285432	-0.0344532	-0.0344532	-0.0220231	-0.0269028	-0.0149255	-0.0333175	-0.0255027	-0.0321374	-0.0293227	-0.0269166	-0.0357272	-0.0456179	-0.0362191	-0.0222501	-0.0260956	-0.0189529	-0.0216347	-0.0198023	-0.0169934	-0.0213391	-0.0257773	-0.035437
T+160	-0.0202264	-0.0285727	-0.034458	-0.034458	-0.0220333	-0.0269109	-0.0149258	-0.0333173	-0.0255017	-0.0321374	-0.0293569	-0.0269126	-0.0357598	-0.0456966	-0.0362384	-0.0222347	-0.0261193	-0.018961	-0.0216695	-0.0198051	-0.0170234	-0.0213502	-0.0257946	-0.0355783
T+161	-0.0202367	-0.0285795	-0.0344689	-0.0344689	-0.022034	-0.0269092	-0.0149254	-0.0333845	-0.0255008	-0.0321405	-0.0293497	-0.0269211	-0.0357887	-0.0456962	-0.0362338	-0.0222232	-0.0261565	-0.0189689	-0.0216872	-0.0198109	-0.0170427	-0.0213467	-0.0257969	-0.0355893
T+162	-0.0202177	-0.0285792	-0.0344736	-0.0344736	-0.0220431	-0.0268908	-0.0149273	-0.0333874	-0.0254985	-0.032132	-0.0293235	-0.0268979	-0.0357503	-0.0456835	-0.0362316	-0.0222216	-0.0261565	-0.0189689	-0.0216859	-0.019808	-0.0170427	-0.021344	-0.0257964	-0.0355892
T+163	-0.0202186	-0.0285453	-0.034477	-0.034477	-0.0220526	-0.0268918	-0.0149069	-0.0333904	-0.0254739	-0.032104	-0.029272	-0.0268972	-0.0357483	-0.0456445	-0.0362181	-0.0221897	-0.0261376	-0.0189679	-0.0216822	-0.0198077	-0.0170125	-0.0213439	-0.0257861	-0.0355682
T+164	-0.0202087	-0.0285331	-0.0344826	-0.0344826	-0.0220561	-0.0268911	-0.0149087	-0.033393	-0.0254679	-0.0321076	-0.0292523	-0.0269032	-0.0357408	-0.0456148	-0.0362184	-0.0221918	-0.0260806	-0.0189654	-0.0216621	-0.0197967	-0.0169865	-0.021305	-0.025778	-0.0355493
T+165	-0.0202257	-0.0285281	-0.0343994	-0.0343994	-0.0220628	-0.0268955	-0.0149083	-0.0333966	-0.0254692	-0.0321092	-0.0292412	-0.0269234	-0.0357464	-0.0456181	-0.0362215	-0.0221972	-0.0260768	-0.0189609	-0.0216388	-0.0197912	-0.0169851	-0.0212938	-0.0257749	-0.0355391
T+166	-0.0202239	-0.0285301	-0.0343919	-0.0343919	-0.0220625	-0.0269032	-0.0149069	-0.0333978	-0.025466	-0.0320457	-0.0292351	-0.0269249	-0.0357562	-0.0456673	-0.0362244	-0.0221968	-0.0260776	-0.0189636	-0.0216388	-0.0197945	-0.0169859	-0.0212936	-0.0257746	-0.0355409
T+167	-0.0202269	-0.0285384	-0.0343867	-0.0343867	-0.0220611	-0.0269039	-0.0149065	-0.0334211	-0.0254727	-0.0320576	-0.0292927	-0.026924	-0.0357813	-0.0456722	-0.0362204	-0.0222182	-0.0260846	-0.018964	-0.0216456	-0.0197949	-0.0169855	-0.0212984	-0.0257904	-0.0355407
T+168	-0.0202234	-0.0285716	-0.0343729	-0.0343729	-0.02206	-0.0269159	-0.0149059	-0.0334255	-0.0254754	-0.0321294	-0.0292934	-0.026942	-0.0357839	-0.0456752	-0.0362297	-0.0222176	-0.0260849	-0.0189651	-0.0216564	-0.0197961	-0.01701	-0.0213022	-0.0257912	-0.0355521
T+169	-0.020224	-0.0285667	-0.0343745	-0.0343745	-0.0220581	-0.026924	-0.0148899	-0.0334171	-0.0254406	-0.0321294	-0.029278	-0.0269425	-0.0357939	-0.0456576	-0.0362305	-0.0222041	-0.0260854	-0.0189658	-0.0216562	-0.0197947	-0.0170122	-0.0213023	-0.0257932	-0.0355528
T+170	-0.0202247	-0.0285674	-0.0343129	-0.0343129	-0.022055	-0.0269323	-0.0148639	-0.0334168	-0.0254383	-0.0321285	-0.0292455	-0.0269423	-0.0358034	-0.0456582	-0.0362284	-0.0222044	-0.0260787	-0.0189659	-0.0216555	-0.0197944	-0.017012	-0.0213021	-0.0257932	-0.0355536
T+171	-0.0201966	-0.0285421	-0.034101	-0.034101	-0.0220503	-0.0269359	-0.0148522	-0.0333574	-0.0254098	-0.0321284	-0.0292732	-0.0269232	-0.0358085	-0.0456228	-0.0362232	-0.0222063	-0.0260653	-0.0189663	-0.0216533	-0.0197916	-0.0170092	-0.0213001	-0.0257903	-0.0355536
T+172	-0.0201969	-0.028536	-0.03408	-0.03408	-0.022046	-0.0269441	-0.0148523	-0.0333527	-0.0253982	-0.0320901	-0.0292153	-0.0269223	-0.0358183	-0.0456099	-0.0362299	-0.022177	-0.0260639	-0.0189622	-0.0216479	-0.0197923	-0.017089	-0.0213	-0.0257909	-0.0355637
T+173	-0.0201975	-0.0285538	-0.0340791	-0.0340791	-0.0220346	-0.0269431	-0.0148441	-0.0333593	-0.0253985	-0.0320902	-0.0292382	-0.0269255	-0.0360282	-0.045618	-0.0362295	-0.0221773	-0.0260587	-0.0189571	-0.0216447	-0.0197897	-0.0170111	-0.0212938	-0.0257875	-0.0355629
T+174	-0.020217	-0.0285804	-0.0341072	-0.0341072	-0.0220537	-0.0269441	-0.0148681	-0.0333626	-0.0254406	-0.0321064	-0.0292409	-0.0269301	-0.0361236	-0.0456198	-0.0362294	-0.0221791	-0.0260789	-0.0189532	-0.0216415	-0.0197908	-0.0170177	-0.0212877	-0.0257874	-0.0355781
T+175	-0.0202165	-0.0285778	-0.0341064	-0.0341064	-0.0220618	-0.0269417	-0.0148598	-0.0333621	-0.0254365	-0.0321051	-0.0292403	-0.0269335	-0.0361275	-0.0456167	-0.0362283	-0.0221804	-0.0260758	-0.0189483	-0.0216389	-0.0197879	-0.0170164	-0.0212811	-0.0257854	-0.0355766
T+176	-0.0202131	-0.0285826	-0.0341016	-0.0341016	-0.0220834	-0.0268605	-0.014856	-0.033364	-0.0254324	-0.0321133	-0.0292473	-0.0269136	-0.0361	-0.0455963	-0.0362381	-0.0221809	-0.0260483	-0.0189484	-0.0216411	-0.0197866	-0.0170027	-0.0212827	-0.0257785	-0.0355699
T+177	-0.0201913	-0.0285877	-0.0341025	-0.0341025	-0.0219207	-0.0269291	-0.0148537	-0.0333384	-0.0254238	-0.0321079	-0.0292409	-0.0269008	-0.0361099	-0.0455913	-0.0362505	-0.0221802	-0.0260461	-0.0189456	-0.021643	-0.0197858	-0.0170027	-0.0212841	-0.0257787	-0.03557
T+178	-0.0201932	-0.0285896	-0.0341044	-0.0341044	-0.0219191	-0.0269285	-0.0148461	-0.0333255	-0.0254221	-0.0320906	-0.0292474	-0.0269013	-0.0361073	-0.045572	-0.0362626	-0.0221783	-0.026037	-0.0189472	-0.0216441	-0.0197867	-0.0170032	-0.0212746	-0.0257891	-0.0355701
T+179	-0.020189	-0.0285894	-0.0341511	-0.0219382	-0.0269272	-0.0148463	-0.0333263	-0.0254234	-0.0321048	-0.0292221	-0.0269005	-0.0361383	-0.0455563	-0.0362621	-0.022188	-0.0260382	-0.0189408	-0.0216516	-0.019777	-0.0169928	-0.0212802	-0.0257888	-0.0355701	
T+180	-0.0201892	-0.0285923	-0.0341574	-0.0341574	-0.0219367	-0.0269432	-0.0148503	-0.0333262	-0.0254347	-0.032101	-0.0292248	-0.0269001	-0.0361349	-0.0455587	-0.0362686	-0.0221887	-0.0260509	-0.0189393	-0.0216568	-0.0197858	-0.0169993	-0.0212854	-0.0257871	-0.0355754
T+181	-0.0201953	-0.0286505	-0.0341575	-0.0341575	-0.0219357	-0.0269418	-0.0148517	-0.0333278	-0.0254431	-0.0321165	-0.0292464	-0.0269025	-0.0361285	-0.0455498	-0.0362679	-0.0221964	-0.0261315	-0.0189375	-0.0216569	-0.0197978	-0.0169999	-0.0212867	-0.0257894	

ES in R Gaussian

	D1ACESNO	D1ALESNO	D1CCESNO	D1CFESNO	D1CPESNO	D1CTESNO	D1LEESNO	D1GOESNO	D1NIESNO	D1SIESNO	D1SUESNO	D1WEESNO	D1ZIESNO	D1LHESNO	D1NGESNO	D1PEESNO	D1SOESNO	SEFPESNO	SEECESNO	SEFLESNO	SEUTESNO	SETRESNO	SEMOESNO	SEOGESNO
T+1	-0.019875	-0.0271604	-0.0352095	-0.0352095	-0.0217026	-0.0260256	-0.0156982	-0.0329725	-0.0266299	-0.0316449	-0.0292555	-0.0260853	-0.0339694	-0.0426746	-0.0346554	-0.0221162	-0.0252389	-0.0187861	-0.0214832	-0.0195052	-0.0166076	-0.0211858	-0.0250739	-0.0346191
T+2	-0.0198849	-0.0271602	-0.0352113	-0.0352113	-0.0217029	-0.0260269	-0.0156454	-0.0329781	-0.0265888	-0.0316448	-0.0292625	-0.0260898	-0.0339694	-0.0426584	-0.0346525	-0.0221171	-0.02524	-0.0187874	-0.021482	-0.0195055	-0.0166077	-0.0211839	-0.025068	-0.0346166
T+3	-0.0198874	-0.0271623	-0.0352135	-0.0352135	-0.0217036	-0.0260199	-0.0156447	-0.0329616	-0.0265906	-0.0316466	-0.0292696	-0.0260775	-0.0339697	-0.0426533	-0.0346489	-0.022114	-0.0252314	-0.0187766	-0.0214812	-0.0194937	-0.0166064	-0.0211835	-0.0250646	-0.0346167
T+4	-0.0198955	-0.0271325	-0.0352065	-0.0352065	-0.0216998	-0.0260121	-0.0156392	-0.0329213	-0.0265957	-0.0316428	-0.0292731	-0.0260817	-0.0339693	-0.0426611	-0.0346497	-0.0221147	-0.0252456	-0.0187765	-0.0214941	-0.0194973	-0.0166157	-0.0212029	-0.0250682	-0.034618
T+5	-0.0198953	-0.0271412	-0.0352168	-0.0352168	-0.0217017	-0.0260355	-0.0156392	-0.0329215	-0.0265944	-0.0316575	-0.0293023	-0.0260812	-0.0339743	-0.0426706	-0.0346648	-0.0221227	-0.0252522	-0.0187814	-0.0215069	-0.0195107	-0.0166229	-0.0212207	-0.0250896	-0.0346505
T+6	-0.0199265	-0.0271571	-0.0352359	-0.0352359	-0.0216888	-0.0260425	-0.0156391	-0.03292	-0.026596	-0.031666	-0.0293244	-0.0260805	-0.0340867	-0.042678	-0.0346765	-0.0221222	-0.0252597	-0.0187809	-0.021508	-0.0195111	-0.0166214	-0.0212185	-0.0251056	-0.034692
T+7	-0.0199351	-0.0271669	-0.035235	-0.035235	-0.0216713	-0.0260585	-0.0156426	-0.0329252	-0.0265963	-0.0316746	-0.0293295	-0.026091	-0.0340873	-0.0426778	-0.034675	-0.0221217	-0.0252577	-0.0187803	-0.0215074	-0.0195119	-0.0166283	-0.0212202	-0.0251079	-0.0347007
T+8	-0.0199342	-0.0271667	-0.0352394	-0.0352394	-0.0216678	-0.026061	-0.0156424	-0.0329215	-0.0265972	-0.0316753	-0.0293288	-0.0260973	-0.034088	-0.0426583	-0.0346762	-0.0221153	-0.0252511	-0.0187746	-0.021504	-0.0195055	-0.0166257	-0.0212164	-0.0250998	-0.0346713
T+9	-0.019931	-0.0271608	-0.0352431	-0.0352431	-0.0216619	-0.0260616	-0.0156182	-0.0328974	-0.026548	-0.0316754	-0.0293258	-0.0261032	-0.0340605	-0.0426566	-0.0346538	-0.0221136	-0.0252511	-0.018771	-0.0214977	-0.0195047	-0.0166156	-0.0212154	-0.0250937	-0.03466
T+10	-0.0199234	-0.0271596	-0.0352394	-0.0352394	-0.0216615	-0.0260709	-0.0156078	-0.0328985	-0.026548	-0.0316752	-0.0293193	-0.0261096	-0.0340605	-0.042657	-0.0346547	-0.0221135	-0.0252076	-0.0187652	-0.0214817	-0.0195019	-0.0166084	-0.021847	-0.0250947	-0.0346595
T+11	-0.0199813	-0.0271673	-0.0352404	-0.0352404	-0.021678	-0.0261424	-0.0155458	-0.0329153	-0.0264833	-0.031676	-0.0293467	-0.0261764	-0.0341116	-0.042646	-0.0346545	-0.0221152	-0.0252068	-0.0187659	-0.0214822	-0.019486	-0.0166144	-0.0211854	-0.0250995	-0.0346592
T+12	-0.0199821	-0.0271723	-0.0352434	-0.0352434	-0.0216808	-0.0261769	-0.0155477	-0.0329463	-0.0264843	-0.0317602	-0.0293879	-0.0261983	-0.0341259	-0.0426482	-0.0346538	-0.0221174	-0.025208	-0.018791	-0.0214873	-0.0195066	-0.0166175	-0.0211853	-0.0251039	-0.0347105
T+13	-0.0199795	-0.0271727	-0.0352605	-0.0352605	-0.0217023	-0.0261782	-0.0155501	-0.0329476	-0.0264875	-0.0317683	-0.0294181	-0.0262031	-0.0341243	-0.0426553	-0.0346869	-0.0221268	-0.025208	-0.0188041	-0.0214898	-0.0195146	-0.0166186	-0.0211866	-0.0251102	-0.0347512
T+14	-0.0199891	-0.0272027	-0.0352701	-0.0352701	-0.0217092	-0.0261792	-0.0155577	-0.032947	-0.0264949	-0.0318062	-0.0294457	-0.0262166	-0.0341252	-0.0426797	-0.0346878	-0.0221295	-0.0252511	-0.0188059	-0.0214928	-0.0195182	-0.0166214	-0.0211877	-0.0251101	-0.03475
T+15	-0.019935	-0.027285	-0.0352737	-0.0352737	-0.0217037	-0.0261792	-0.0155548	-0.0329587	-0.0264867	-0.0318046	-0.0294379	-0.0262181	-0.0341282	-0.0426718	-0.0346806	-0.0221281	-0.0252172	-0.0188058	-0.0214887	-0.0195161	-0.0166208	-0.0211858	-0.0251087	-0.034745
T+16	-0.0199759	-0.0272802	-0.035277	-0.035277	-0.0216985	-0.0261769	-0.0155532	-0.0329721	-0.0264863	-0.0318033	-0.029435	-0.0262191	-0.0341351	-0.0426641	-0.0346813	-0.0221305	-0.0251711	-0.0188033	-0.0214786	-0.019516	-0.0166192	-0.0211816	-0.0251096	-0.0347422
T+17	-0.0199739	-0.0272802	-0.0352746	-0.0352746	-0.0217	-0.0261769	-0.0154737	-0.0329766	-0.0264579	-0.0318173	-0.0294388	-0.0262215	-0.034139	-0.0426592	-0.0346626	-0.0221293	-0.0251717	-0.0188031	-0.0214784	-0.0195023	-0.0166143	-0.0211727	-0.0251061	-0.0347344
T+18	-0.0199724	-0.0272542	-0.0352923	-0.0352923	-0.021795	-0.0261762	-0.0154681	-0.0329758	-0.0264588	-0.0318045	-0.0294112	-0.026224	-0.0342043	-0.042699	-0.034664	-0.0221448	-0.0251713	-0.0188032	-0.0214803	-0.0195005	-0.0166145	-0.0211687	-0.0251055	-0.0347369
T+19	-0.0199762	-0.0272915	-0.0352863	-0.0352863	-0.0217939	-0.0262279	-0.0154678	-0.032976	-0.026459	-0.0318043	-0.0294248	-0.0262794	-0.034204	-0.0426948	-0.0346607	-0.0221619	-0.0251733	-0.0188103	-0.0214873	-0.019527	-0.0166196	-0.0211737	-0.0251046	-0.0347369
T+20	-0.0199786	-0.0272791	-0.0353063	-0.0353063	-0.0218266	-0.0262395	-0.0154672	-0.0329763	-0.0264598	-0.0318099	-0.0294218	-0.0262805	-0.0342011	-0.0426997	-0.0346635	-0.0221904	-0.0251734	-0.0188107	-0.0214888	-0.0195284	-0.0166196	-0.0211737	-0.0251038	-0.0347369
T+21	-0.0200124	-0.0273135	-0.035301	-0.035301	-0.0217964	-0.0262499	-0.0154787	-0.0330589	-0.0264594	-0.0318023	-0.0294231	-0.0262904	-0.0342185	-0.0426903	-0.0346604	-0.0221941	-0.025175	-0.0188111	-0.0214879	-0.0195276	-0.0166197	-0.0211735	-0.0251028	-0.0347431
T+22	-0.0200076	-0.0273103	-0.035299	-0.035299	-0.0217902	-0.0262506	-0.0154492	-0.0330323	-0.0264416	-0.0318179	-0.0294226	-0.0262884	-0.0342198	-0.0426563	-0.0346518	-0.0221942	-0.0251621	-0.0188115	-0.0214881	-0.0195268	-0.0166119	-0.0211694	-0.0251014	-0.0347394
T+23	-0.0199747	-0.0272772	-0.0352887	-0.0352887	-0.0217473	-0.0262265	-0.0154413	-0.03301	-0.0264344	-0.0318247	-0.029422	-0.0262622	-0.0342178	-0.0426564	-0.0346267	-0.0221968	-0.0251549	-0.0187817	-0.0214531	-0.0195249	-0.0166072	-0.0211697	-0.0250928	-0.0347282
T+24	-0.019979	-0.0272658	-0.0352908	-0.0352908	-0.0217145	-0.0262262	-0.0154329	-0.0330186	-0.0264347	-0.0318219	-0.0294138	-0.0262621	-0.0342162	-0.0426556	-0.0346248	-0.0221984	-0.0251383	-0.0187829	-0.0214556	-0.0195289	-0.0166079	-0.0211722	-0.0250929	-0.0347284
T+25	-0.0199755	-0.0272939	-0.0352963	-0.0352963	-0.0217125	-0.0262499	-0.0154332	-0.033015	-0.0264276	-0.0318265	-0.0294196	-0.0263009	-0.0342183	-0.0426517	-0.0346247	-0.0221892	-0.025124	-0.0187793	-0.0214401	-0.0195369	-0.016607	-0.0211643	-0.0251075	-0.0347459
T+26	-0.0199768	-0.0272751	-0.0352909	-0.0352909	-0.0217042	-0.0262659	-0.0154482	-0.0330256	-0.0264338	-0.0318213	-0.0294213	-0.026306	-0.0342285	-0.0426762	-0.0346318	-0.0221814	-0.0251794	-0.0187791	-0.0214398	-0.0195371	-0.0166138	-0.0211658	-0.0251073	-0.0347469
T+27	-0.0200109	-0.0273488	-0.0352894	-0.0352894	-0.0217291	-0.0262685	-0.0154532	-0.0330563	-0.026439	-0.0318581	-0.0294262	-0.0263223	-0.0342897	-0.0426713	-0.0346318	-0.0221746	-0.0251299	-0.0187793	-0.0214431	-0.0195395	-0.0166141	-0.0211638	-0.0251066	-0.0347479
T+28	-0.0200242	-0.0274026	-0.0353104	-0.0353104	-0.021759	-0.0262721	-0.0154546	-0.0330552	-0.0264719	-0.0318761	-0.0294299	-0.0264219	-0.0343515	-0.0426748	-0.0346351	-0.0221825	-0.0251487	-0.0188142	-0.0214767	-0.0195396	-0.0166163	-0.021194	-0.0251076	-0.0347558
T+29	-0.020016	-0.0274051	-0.0353064	-0.0353064	-0.0217558	-0.0262697	-0.0154503	-0.0330575	-0.0264743	-0.0318346	-0.0294299	-0.0264206	-0.0343456	-0.0426652	-0.0346302	-0.0221824	-0.0251501	-0.0188084	-0.021466	-0.0195409	-0.0166173	-0.0211962	-0.025099	-0.0347561
T+30	-0.0200159	-0.0274181	-0.0353063	-0.0353063	-0.0217496	-0.0262707	-0.0154519	-0.0330602	-0.0264624	-0.0318329	-0.0294204	-0.0264195	-0.0343346	-0.0426616	-0.0346261	-0.0221824	-0.0251393	-0.0188028	-0.0214546	-0.0195392	-0.01662	-0.0211928	-0.0250992	-0.0347523
T+31	-0.019978	-0.0274122	-0.0352913	-0.0352913	-0.0217559	-0.0262559	-0.0154058	-0.0330525	-0.0263961	-0.0318284	-0.0294077	-0.0264085	-0.0343184	-0.0426494	-0.0346191	-0.0221777	-0.0251377	-0.0188044	-0.0214494	-0.0195399	-0.0166146	-0.0211928	-0.0250906	-0.0347344
T+32	-0.0199745	-0.0275198	-0.035379	-0.035379	-0.0217323	-0.0262609	-0.0154044	-0.0330505	-0.0262974	-0.0318787	-0.0294163	-0.0264013	-0.034322	-0.0426319	-0.0345884	-0.0221584	-0.0251413	-0.018803	-0.0214579	-0.0195363	-0.016625	-0.021177	-0.0250997	-0.0347314
T+33	-0.0200845	-0.0275969	-0.0353838	-0.0353838	-0.0217291	-0.0262924	-0.0154076	-0.0330546	-0.026297	-0.0318806	-0.0294219	-0.0264014	-0.0343932	-0.0426301	-0.0345889	-0.0221637	-0.0251429	-0.0188085	-0.0214631	-0.0195356	-0.0166279	-0.0211773	-0.0250963	-0.0347327
T+34	-0.0201085	-0.0276006	-0.0353777	-0.0353777	-0.021733	-0.0262957	-0.0154085	-0.033086	-0.0263003	-0.03188	-0.0294188	-0.0263982	-0.0344574	-0.042651	-0.0346161	-0.0221661	-0.0251681	-0.0188325	-0.0214629	-0.0195707	-0.0166666	-0.0211756	-0.0250973	-0.0347392
T+35	-0.0201401	-0.0275997	-0.0353773	-0.0353773	-0.0217303	-0.0262955	-0.015408	-0.033082	-0.0262977	-0.0318955	-0.0294157	-0.0264024	-0.0345053	-0.0426487	-0.0346184	-0.0221734	-0.0251767	-0.0188345	-0.0214631	-0.0195727	-0.0166798	-0.0211816	-0.0251185	-0.0347671
T+36	-0.0201508	-0.0275649	-0.0353741	-0.0353741	-0.0217295	-0.0262982	-0.0154075	-0.0330814	-0.0263026	-0.0318192	-0.0294082	-0.0264024	-0.0345049	-0.0426496	-0.034609	-0.0221685	-0.0251777	-0.0188308	-0.0214548	-0.0195719	-0.0166801	-0.0211856	-0.0251227	-0.0347723
T+37	-0.0201645	-0.0276137	-0.0353462	-0.0353462	-0.0217216	-0.0263005	-0.0154109	-0.0330602	-0.0263108	-0.0318323	-0.0294085	-0.0263982	-0.0344947	-0.0426504	-0.0346169	-0.0221669	-0.0251909	-0.0188307	-0.0214529	-0.0195733	-0.0166849	-0.0211913	-0.0251267	-0.0347773
T+38	-0.0201781	-0.0275343	-0.0353238	-0.0353238	-0.0217215	-0.0263007	-0.0154072	-0.0330541	-0.0263142	-0.0318788	-0.0294132	-0.0263942	-0.0344952	-0.0426512	-0.0346007	-0.0221675	-0.0251721	-0.0188149	-0.0214428	-0.0195654	-0.0166846	-0.0211891	-0.0251275	-0.0347632
T+39	-0.0201826	-0.0275308	-0.0353248	-0.0353248	-0.0217298	-0.0263306	-0.0153635	-0.0330851	-0.0262914	-0.0318787	-0.0294117	-0.0264069	-0.0345148	-0.0426504	-0.0346006	-0.0221465	-0.0251797	-0.0188115	-0.0214416	-0.019564	-0.0166845	-0.0211995	-0.0251208	-0.0347826
T+40	-0.0201847	-0.0275433	-0.035336	-0.035336	-0.0217322	-0.0263443	-0.0153623	-0.033126	-0.0262955	-0.0318866	-0.02942	-0.026456	-0.0345275	-0.0426497	-0.0346341	-0.0221579	-0.0254413	-0.0188297	-0.0214594	-0.0195745	-0.0167456	-0.0212112	-0.02513	-0.0348009
T+41	-0.0202032	-0.0275343	-0.0353341	-0.0353341	-0.0217324	-0.0264542	-0.0154253	-0.0331231	-0.0263068	-0.0318838	-0.0294234	-0.0264642	-0.0345773	-0.0426641	-0.0347004	-0.0221607	-0.0254628	-0.0188632	-0.0214687	-0.0196092	-0.0167667	-0.0212414	-0.0252123	-0.0348634
T+42	-0.0202044	-0.027559	-0.0353594	-0.0353594	-0.0217497	-0.0264833	-0.0154294	-0.0331212	-0.0263058	-0.0318826	-0.0294301	-0.0264666	-0.0345779	-0.0426835	-0.0347005	-0.0221634	-0.0254635	-0.0188973	-0.0214854	-0.0196273	-0.0167668	-0.0212474	-0.0252156	-0.0348633
T+43	-0.0202027	-0.0275614	-0.0353373	-0.0353373	-0.021745	-0.0264715	-0.0154187	-0.0331334	-0.0262655	-0.0318772	-0.0294292	-0.0264685	-0.0345577	-0.0426819	-0.0346832	-0.0221623	-0.0254509	-0.0188962	-0.0214796	-0.0196256	-0.0167605	-0.0212475	-0.0252088	-0.0348462
T+44	-0.0202033	-0.0275562	-0.0353048	-0.0353048	-0.0217502	-0.0264671	-0.0154165	-0.0331155	-0.0262365	-0.0318734	-0.0294289	-0.0264749	-0.0345774	-0.0426701	-0.0346827	-0.0221634	-0.0254011	-0.0188953	-0.0214785	-0.0196239	-0.0167599	-0.0212454	-0.0251993	-0.0348457
T+45	-0.0202032	-0.0275596	-0.0353011	-0.0353011	-0.0217269	-0.0264649	-0.0154042	-0.033115	-0.0262323	-0.0318636	-0.0294273	-0.0264805	-0.0345657	-0.0426699	-0.0346837	-0.0221635	-0.0254021	-0.0188956	-0.0214786	-0.0196042	-0.0167598	-0.0212432	-0.0251988	-0.0348485
T+46	-0.020202	-0.0275705	-0.0352918	-0.0352918	-0.0217304	-0.0264845	-0.0154043	-0.0331154	-0.0262335	-0.0318756	-0.0294286	-0.0264804	-0.0345663	-0.0426722	-0.0346823	-0.0221125	-0.0254065	-0.01893	-0.0214796	-0.0196013	-0.0167868	-0.0212465	-0.0251972	-0.0348498
T+47	-0.0202039	-0.0275755	-0.035341	-0.035341	-0.0217338	-0.0264937	-0.0154031	-0.0331346	-0.0262299	-0.0319184	-0.0294411	-0.0265029	-0.0346536	-0.0426733	-0.0347126	-0.022113	-0.0254222	-0.0189367	-0.0214806	-0.0196037	-0.0167932	-0.0212479	-0.0252028	-0.0348594
T+48	-0.0202061	-0.0275746	-0.0353446	-0.0353446	-0.0217346	-0.0265351	-0.0153987	-0.0331312	-0.0262474	-0.0319177	-0.0294492	-0.0264997	-0.0347656	-0.0427368	-0.0347233	-0.0221683	-0.0254674	-0.0189387	-0.0214804	-0.0196047	-0.0167949	-0.0212479	-0.0252113	-0.0348754
T+49	-0.0202121	-0.0276734	-0.0353449	-0.0353449	-0.0217312	-0.0265361	-0.0153957	-0.0331248	-0.0262211	-0.0319198	-0.0294474	-0.0265382	-0.0347799	-0.0427358

T+135	-0.0202081	-0.0284184	-0.0353006	-0.0353006	-0.0221314	-0.0269013	-0.0149675	-0.0332802	-0.0257266	-0.032023	-0.029427	-0.0268716	-0.0355075	-0.0455879	-0.0361331	-0.0222469	-0.0260894	-0.018984	-0.021688	-0.0198337	-0.017075	-0.0214138	-0.0257033	-0.0354702
T+136	-0.0202101	-0.0284183	-0.0352988	-0.0352988	-0.0221292	-0.0269037	-0.0149678	-0.0332549	-0.0257274	-0.0320231	-0.029428	-0.0268734	-0.0355083	-0.0456072	-0.0361394	-0.0222429	-0.0260896	-0.018985	-0.0216914	-0.0198352	-0.0170764	-0.0214171	-0.0257013	-0.0354481
T+137	-0.0202143	-0.0284805	-0.0353163	-0.0353163	-0.0221401	-0.0269117	-0.0149572	-0.0332703	-0.0256136	-0.0320514	-0.0294349	-0.0268874	-0.0355071	-0.0456076	-0.0361519	-0.0222545	-0.0260875	-0.0189757	-0.021695	-0.0198344	-0.0170823	-0.0214164	-0.025701	-0.0354479
T+138	-0.0202149	-0.0284922	-0.0353067	-0.0353067	-0.0221446	-0.0269118	-0.0149571	-0.0332744	-0.0256142	-0.0320523	-0.0294351	-0.0268946	-0.0355584	-0.0456612	-0.0361517	-0.0222549	-0.0261168	-0.018976	-0.021695	-0.0198337	-0.0171137	-0.021417	-0.0257045	-0.0354467
T+139	-0.0202157	-0.0284904	-0.0352985	-0.0352985	-0.0221524	-0.0269183	-0.0149585	-0.0332782	-0.0256214	-0.0320959	-0.0294364	-0.0269073	-0.0355655	-0.0456611	-0.0361556	-0.0222631	-0.0261155	-0.0189744	-0.0216952	-0.0198331	-0.0171131	-0.0214175	-0.0257076	-0.0354515
T+140	-0.0202174	-0.0285044	-0.0353038	-0.0353038	-0.0221594	-0.0269294	-0.014969	-0.0332869	-0.0256319	-0.0320989	-0.0294378	-0.0269114	-0.0355805	-0.045666	-0.0361706	-0.0222656	-0.0261154	-0.0189787	-0.0216969	-0.0198395	-0.0171229	-0.0214251	-0.0257265	-0.0354603
T+141	-0.0202176	-0.02851	-0.0352993	-0.0352993	-0.0221618	-0.0269297	-0.0149694	-0.0332923	-0.0256338	-0.0321014	-0.0294384	-0.0269127	-0.0355822	-0.045694	-0.0361755	-0.022268	-0.0261144	-0.0189825	-0.0216929	-0.0198417	-0.0171235	-0.0214285	-0.0257277	-0.03545
T+142	-0.0202177	-0.0285075	-0.0348454	-0.0348454	-0.0221326	-0.0269258	-0.0149667	-0.0332977	-0.025633	-0.0320931	-0.029438	-0.0269093	-0.0355814	-0.0456874	-0.0361806	-0.0222658	-0.0261137	-0.0189851	-0.0216927	-0.0198449	-0.0171239	-0.02143	-0.0257289	-0.0354519
T+143	-0.0202176	-0.0285104	-0.0348233	-0.0348233	-0.0221322	-0.0269071	-0.0149645	-0.0332911	-0.0256262	-0.0320848	-0.0294372	-0.0269044	-0.0355835	-0.0456922	-0.0361843	-0.0222682	-0.0261067	-0.0189865	-0.0216943	-0.0198439	-0.0171154	-0.0214206	-0.0257302	-0.0354428
T+144	-0.0202164	-0.0285077	-0.0348262	-0.0348262	-0.022134	-0.0269074	-0.0149646	-0.0332952	-0.0256281	-0.0320741	-0.0294203	-0.0269011	-0.0355818	-0.0457043	-0.0361832	-0.0222686	-0.0261078	-0.0189865	-0.0216988	-0.0198433	-0.0171156	-0.0214031	-0.0257507	-0.0354627
T+145	-0.0202212	-0.0285084	-0.0348252	-0.0348252	-0.0221342	-0.026904	-0.014965	-0.0332939	-0.0256281	-0.0320726	-0.029421	-0.0269074	-0.0356076	-0.0456854	-0.0361885	-0.022269	-0.0261161	-0.0189864	-0.0216986	-0.019847	-0.0171165	-0.0214026	-0.0257629	-0.0354743
T+146	-0.0202347	-0.0285075	-0.0348294	-0.0348294	-0.0221399	-0.0269224	-0.0149687	-0.0332918	-0.0256337	-0.032072	-0.0294309	-0.0269067	-0.0356377	-0.0456544	-0.0361878	-0.0222695	-0.0261176	-0.0189872	-0.0216995	-0.0198481	-0.0171161	-0.021436	-0.0257626	-0.035474
T+147	-0.0202421	-0.0285257	-0.0348302	-0.0348302	-0.0221461	-0.0269259	-0.0149818	-0.0332946	-0.0256608	-0.0321808	-0.0294343	-0.0269091	-0.0356698	-0.04562	-0.036187	-0.0222722	-0.0261241	-0.0189908	-0.0216992	-0.01985	-0.0171187	-0.0214819	-0.0257627	-0.0354771
T+148	-0.0202555	-0.0285091	-0.0348443	-0.0348443	-0.0221012	-0.0269255	-0.014982	-0.0332962	-0.0256571	-0.0321799	-0.0294356	-0.0269095	-0.0356689	-0.0456482	-0.0361875	-0.0222718	-0.0261276	-0.0189919	-0.0216998	-0.019845	-0.0171193	-0.0214739	-0.025769	-0.0354675
T+149	-0.0202688	-0.0285091	-0.0348604	-0.0348604	-0.022087	-0.0269318	-0.014963	-0.0332943	-0.0255741	-0.0321786	-0.0294031	-0.0269104	-0.0356699	-0.0456241	-0.0361987	-0.0222726	-0.0261278	-0.0189864	-0.0216938	-0.0198264	-0.0171187	-0.0214628	-0.0257761	-0.0354723
T+150	-0.0202785	-0.0285088	-0.0348766	-0.0348766	-0.0220779	-0.0269375	-0.0149632	-0.0332942	-0.0255745	-0.0321659	-0.0293503	-0.0269113	-0.0356513	-0.0456488	-0.0362058	-0.0222686	-0.0261299	-0.018988	-0.0216771	-0.0198183	-0.0171078	-0.0214641	-0.0257777	-0.0354729
T+151	-0.0202735	-0.0285308	-0.0348784	-0.0348784	-0.0220686	-0.0269376	-0.0149524	-0.0333028	-0.0255689	-0.0321357	-0.0293493	-0.0269244	-0.0356302	-0.045643	-0.0362192	-0.0222613	-0.0261263	-0.0189965	-0.0216738	-0.01983	-0.0170985	-0.0214641	-0.025781	-0.0354777
T+152	-0.0202671	-0.0285538	-0.0348694	-0.0348694	-0.0220686	-0.0269334	-0.014951	-0.0333088	-0.025569	-0.0321513	-0.0293434	-0.026925	-0.0356358	-0.0456548	-0.0362205	-0.0222598	-0.0261143	-0.0189904	-0.0216685	-0.0198262	-0.0170856	-0.0214568	-0.0257762	-0.0354751
T+153	-0.0202591	-0.0285531	-0.034897	-0.034897	-0.0220694	-0.026931	-0.0149512	-0.0333082	-0.0255702	-0.0321557	-0.0293393	-0.0269269	-0.0357006	-0.045662	-0.0362299	-0.0222651	-0.0261298	-0.0189847	-0.0216614	-0.0198218	-0.0170741	-0.0214456	-0.025794	-0.0354708
T+154	-0.0202793	-0.0285496	-0.0349165	-0.0349165	-0.0220833	-0.0269267	-0.0149518	-0.03331	-0.0255807	-0.0321674	-0.0293386	-0.0269394	-0.0357032	-0.0456983	-0.0362455	-0.0222635	-0.0261172	-0.0189874	-0.0216556	-0.0198162	-0.0170594	-0.021436	-0.0257894	-0.0354734
T+155	-0.0202384	-0.0285472	-0.034814	-0.034814	-0.0220851	-0.0269261	-0.0149385	-0.0332918	-0.0255656	-0.0321635	-0.02933	-0.026919	-0.0356884	-0.0456774	-0.0362287	-0.0222619	-0.0261107	-0.0189619	-0.0216393	-0.0198032	-0.0170245	-0.0214159	-0.0257869	-0.0354667
T+156	-0.0202389	-0.0285481	-0.0345193	-0.0345193	-0.0220815	-0.0269251	-0.0149396	-0.0332958	-0.0255671	-0.0321413	-0.0293285	-0.0269141	-0.0356831	-0.0456354	-0.0362095	-0.0222606	-0.0261076	-0.018959	-0.0216414	-0.0198048	-0.0170238	-0.0214134	-0.0257843	-0.0354441
T+157	-0.0202342	-0.0285455	-0.0344468	-0.0344468	-0.022026	-0.0269265	-0.0149374	-0.0332975	-0.0255633	-0.0321413	-0.0293295	-0.0269091	-0.0356836	-0.0456287	-0.0362115	-0.0222565	-0.0261042	-0.0189577	-0.0216337	-0.0197993	-0.0170246	-0.0214	-0.0257792	-0.0354424
T+158	-0.0202065	-0.0285497	-0.0344543	-0.0344543	-0.0220237	-0.0269038	-0.0149215	-0.0333074	-0.0254938	-0.0321197	-0.0293272	-0.0269032	-0.0357142	-0.0456174	-0.0362235	-0.02225	-0.0260715	-0.0189537	-0.0216327	-0.0197959	-0.0169942	-0.0213481	-0.0257782	-0.0354424
T+159	-0.0202181	-0.0285562	-0.0344532	-0.0344532	-0.0220231	-0.0269082	-0.0149253	-0.0333175	-0.0255027	-0.0321196	-0.0293227	-0.0269166	-0.0357272	-0.0456179	-0.0362192	-0.0222391	-0.026069	-0.0189529	-0.0216347	-0.0198023	-0.0169934	-0.0213391	-0.0257773	-0.035437
T+160	-0.0202264	-0.0285727	-0.034458	-0.034458	-0.0220333	-0.0269109	-0.0149258	-0.0333173	-0.0255017	-0.0321374	-0.0293569	-0.0269126	-0.0357598	-0.0456966	-0.0362384	-0.0222347	-0.0261193	-0.018961	-0.0216695	-0.0198051	-0.0170234	-0.0213502	-0.0257946	-0.0355783
T+161	-0.0202367	-0.0285795	-0.0344689	-0.0344689	-0.022034	-0.0269092	-0.0149254	-0.0333845	-0.0255008	-0.0321405	-0.0293497	-0.0269211	-0.0357887	-0.0456962	-0.0362338	-0.0222232	-0.0261565	-0.0189689	-0.0216872	-0.0198109	-0.0170427	-0.0213467	-0.0257969	-0.0355893
T+162	-0.0202177	-0.0285792	-0.0344736	-0.0344736	-0.0220431	-0.0268908	-0.0149273	-0.0333874	-0.0254985	-0.032132	-0.0293235	-0.0268979	-0.0357503	-0.0456835	-0.0362316	-0.0222216	-0.0261565	-0.0189689	-0.0216859	-0.019808	-0.0170427	-0.021344	-0.0257964	-0.0355892
T+163	-0.0202186	-0.0285453	-0.034477	-0.034477	-0.0220526	-0.0268918	-0.0149069	-0.0333904	-0.0254739	-0.032104	-0.029272	-0.0268972	-0.0357483	-0.0456445	-0.0362181	-0.0221897	-0.0261376	-0.0189679	-0.0216822	-0.0198077	-0.0170125	-0.0213439	-0.0257861	-0.0355682
T+164	-0.0202087	-0.0285331	-0.0344826	-0.0344826	-0.0220561	-0.0268911	-0.0149087	-0.033393	-0.0254679	-0.0321076	-0.0292523	-0.0269032	-0.0357408	-0.0456148	-0.0362184	-0.0221918	-0.0260806	-0.0189654	-0.0216621	-0.0197967	-0.0169865	-0.021305	-0.025778	-0.0355493
T+165	-0.0202257	-0.0285281	-0.0343994	-0.0343994	-0.0220628	-0.0268955	-0.0149083	-0.0333966	-0.0254666	-0.0320393	-0.0292412	-0.0269234	-0.0357464	-0.0456181	-0.0362215	-0.0221972	-0.0260768	-0.0189609	-0.0216388	-0.0197912	-0.0169851	-0.0212938	-0.0257749	-0.0355391
T+166	-0.0202239	-0.0285301	-0.0343919	-0.0343919	-0.0220625	-0.0269032	-0.0149069	-0.0333978	-0.025466	-0.0320457	-0.0292351	-0.0269249	-0.0357562	-0.0456673	-0.0362244	-0.0221968	-0.0260776	-0.0189636	-0.0216388	-0.0197945	-0.0169859	-0.0212936	-0.0257746	-0.0355409
T+167	-0.0202269	-0.0285384	-0.0343867	-0.0343867	-0.0220611	-0.0269039	-0.0149065	-0.0334211	-0.0254727	-0.0320576	-0.0292927	-0.026924	-0.0357813	-0.0456722	-0.0362204	-0.0222182	-0.0260846	-0.018964	-0.0216456	-0.0197949	-0.0169855	-0.0212984	-0.0257904	-0.0355407
T+168	-0.0202234	-0.0285716	-0.0343729	-0.0343729	-0.02206	-0.0269159	-0.0149059	-0.0334255	-0.0254754	-0.0321294	-0.0292934	-0.026942	-0.0357839	-0.0456752	-0.0362297	-0.0222176	-0.0260849	-0.0189651	-0.0216564	-0.0197961	-0.01701	-0.0213022	-0.0257912	-0.0355521
T+169	-0.020224	-0.0285667	-0.0343745	-0.0343745	-0.0220581	-0.026924	-0.014889	-0.0334171	-0.0254406	-0.0321294	-0.029278	-0.0269425	-0.0357939	-0.0456576	-0.0362305	-0.0222041	-0.0260854	-0.0189658	-0.0216562	-0.0197947	-0.0170122	-0.0213023	-0.0257932	-0.0355528
T+170	-0.0202247	-0.0285674	-0.0343129	-0.0343129	-0.022055	-0.0269323	-0.0148639	-0.0334168	-0.0254383	-0.0321285	-0.0292455	-0.0269423	-0.0358034	-0.0456582	-0.0362284	-0.0222044	-0.0260787	-0.0189659	-0.0216555	-0.0197944	-0.017012	-0.0213021	-0.0257932	-0.0355536
T+171	-0.0201966	-0.0285421	-0.0341015	-0.0341015	-0.0220503	-0.0269359	-0.0148522	-0.0333574	-0.0254046	-0.0321067	-0.0292284	-0.0269232	-0.0358065	-0.0456228	-0.0362288	-0.0222063	-0.0260571	-0.0189663	-0.0216533	-0.0197916	-0.0170092	-0.0213001	-0.0257903	-0.0355536
T+172	-0.0201969	-0.0285367	-0.03408	-0.03408	-0.022046	-0.0269441	-0.0148523	-0.0333527	-0.0253982	-0.0320901	-0.0292153	-0.0269223	-0.0358183	-0.0456099	-0.0362299	-0.022177	-0.0260639	-0.0189622	-0.0216479	-0.0197923	-0.0170089	-0.0213	-0.0257909	-0.0355637
T+173	-0.0201975	-0.0285538	-0.0340791	-0.0340791	-0.0220346	-0.0269431	-0.0148441	-0.0333593	-0.0253985	-0.0320902	-0.0292382	-0.0269255	-0.0360282	-0.045618	-0.0362295	-0.0221773	-0.0260587	-0.0189571	-0.0216447	-0.0197897	-0.0170111	-0.0212938	-0.0257875	-0.0355629
T+174	-0.020217	-0.0285804	-0.0341072	-0.0341072	-0.0220537	-0.0269441	-0.0148681	-0.0333626	-0.0254406	-0.0321064	-0.0292409	-0.0269301	-0.0361236	-0.0456198	-0.0362294	-0.0221791	-0.0260789	-0.0189532	-0.0216415	-0.0197908	-0.0170177	-0.0212877	-0.0257874	-0.0355781
T+175	-0.0202165	-0.0285778	-0.0341064	-0.0341064	-0.0220618	-0.0269417	-0.0148598	-0.0333621	-0.0254365	-0.0321051	-0.0292403	-0.0269335	-0.0361275	-0.0456167	-0.0362283	-0.0221804	-0.0260758	-0.0189483	-0.0216389	-0.0197879	-0.0170164	-0.0212811	-0.0257854	-0.0355766
T+176	-0.0202131	-0.0285826	-0.0341016	-0.0341016	-0.0219834	-0.0269414	-0.0148605	-0.033364	-0.0254341	-0.0321133	-0.0292473	-0.0269136	-0.0361	-0.0455963	-0.0362381	-0.0221809	-0.0260483	-0.0189484	-0.0216411	-0.0197866	-0.0170027	-0.0212827	-0.025785	-0.0355699
T+177	-0.0201913	-0.0285877	-0.0341032	-0.0341032	-0.0219207	-0.0269291	-0.0148537	-0.0333386	-0.0254238	-0.0321079	-0.0292406	-0.0269008	-0.0361099	-0.0455913	-0.0362505	-0.0221802	-0.0260461	-0.0189456	-0.021643	-0.0197858	-0.0170027	-0.0212841	-0.025787	-0.03557
T+178	-0.0201932	-0.0285896	-0.0341044	-0.0341044	-0.0219191	-0.0269285	-0.0148461	-0.0333255	-0.0254221	-0.0320906	-0.0292474	-0.0269013	-0.0361073	-0.045572	-0.0362626	-0.0221783	-0.026037	-0.0189472	-0.0216441	-0.0197867	-0.0170032	-0.0212746	-0.0257891	-0.0355701
T+179	-0.020189	-0.0285894	-0.0341511	-0.0341511	-0.0219382	-0.0269272	-0.0148463	-0.0333263	-0.0254234	-0.0321048	-0.0292221	-0.0269005	-0.0361383	-0.0455663	-0.0362621	-0.022188	-0.0260382	-0.0189408	-0.0216516	-0.019777	-0.0169928	-0.0212802	-0.0257888	-0.0355701
T+180	-0.0201892	-0.0285923	-0.0341574	-0.0341574	-0.0219367	-0.0269432	-0.0148503	-0.0333262	-0.0254347	-0.032101	-0.0292248	-0.0269001	-0.0361349	-0.0455587	-0.0362686	-0.0221887	-0.0260509	-0.0189393	-0.0216568	-0.0197858	-0.0169993	-0.0212854	-0.0257871	-0.0355754
T+181	-0.0201953	-0.0286505	-0.0341575	-0.0341575	-0.0219357	-0.0269418	-0.0148517	-0.0333278	-0.0254431	-0.0321165	-0.0292464	-0.0269025	-0.0361285	-0.0455498	-0.0362679	-0.0221964	-0.0261315	-0.0189375	-0.0216569	-0.0197978	-0.0169999	-0.0212867	-0.0257918	-0.0355794

SEQEESHI	SEAIESHI	SEISESHI	SEREESHI	SEAEESHI	SESOESHI	SETEESHI	SEBEESHI	SEETESHI	SECHESHI	SEAPESHI	BITCESHI	LITCESHI	GREXESHI	DAXPESHI
-0.0435072	-0.0396157	-0.0199884	-0.025996	-0.0495815	-0.0241635	-0.0298224	-0.0237766	-0.0232215	-0.0249404	-0.0329522	-0.1642866	-0.1898232	-0.0040416	-0.0215186
-0.0435072	-0.0396157	-0.0199884	-0.025996	-0.0495815	-0.0241635	-0.0298224	-0.0237766	-0.0232215	-0.0249404	-0.0329522	-0.1642866	-0.1898232	-0.0040416	-0.0215186
-0.0435072	-0.0396157	-0.0199884	-0.025996	-0.0495815	-0.0241635	-0.0298224	-0.0237766	-0.0232215	-0.0249404	-0.0329522	-0.1642866	-0.1898232	-0.0040276	-0.0215186
-0.0435072	-0.0396157	-0.0199884	-0.025996	-0.0495815	-0.0241635	-0.0298224	-0.0237766	-0.0232215	-0.0249404	-0.0329522	-0.1642866	-0.1906054	-0.0040276	-0.0215186
-0.0435072	-0.0396157	-0.0199884	-0.025996	-0.0495815	-0.0245342	-0.0298889	-0.0237766	-0.0232215	-0.0249404	-0.0329522	-0.1642866	-0.1906054	-0.0040276	-0.0215186
-0.0435072	-0.0396157	-0.0199884	-0.025996	-0.0495815	-0.0245342	-0.0298889	-0.0237766	-0.0232215	-0.0249404	-0.0329522	-0.1642866	-0.1887264

-0.044342	-0.0407372	-0.020342	-0.0266881	-0.048698	-0.0264812	-0.0313265	-0.0241687	-0.0234916	-0.0257471	-0.033889	-0.1219332	-0.1663375	-0.0040419	-0.0246135

-0.0354777	-0.0307238	-0.0160928	-0.0205201	-0.0363474	-0.0198875	-0.0251224	-0.0186902	-0.0175149	-0.0197851	-0.0262057	-0.0884492	-0.1389179	-0.0029099	-0.0177742
-0.0354751	-0.0307116	-0.0160843	-0.0205176	-0.0363281	-0.0198813	-0.0251134	-0.0186821	-0.0175047	-0.0197752	-0.0261929	-0.0884497	-0.1389034	-0.0029099	-0.0177718
-0.0354708	-0.0307139	-0.0160791	-0.0205276	-0.0363148	-0.0198673	-0.0251083	-0.0187141	-0.0174949	-0.0197756	-0.0261804	-0.0884375	-0.1388381	-0.0029099	-0.0177642
-0.0354734	-0.0307036	-0.0160711	-0.0205259	-0.0362981	-0.0198524	-0.0250991	-0.0187049	-0.0174845	-0.0197632	-0.0261679	-0.08819	-0.1388007	-0.0029099	-0.0177594
-0.0354667	-0.0306881	-0.0160594	-0.0205021	-0.0362482	-0.0198394	-0.0250794	-0.0186924	-0.0174598	-0.0197331	-0.0261385	-0.0881858	-0.1384636	-0.0029097	-0.0177588
-0.0354441	-0.0306895	-0.0160532	-0.0205014	-0.0362404	-0.0198345	-0.0250797	-0.0186856	-0.0174597	-0.0197288	-0.0261434	-0.0881979	-0.1384438	-0.0029081	-0.0177583
-0.0354424	-0.0306901	-0.0160528	-0.0205001	-0.0362365	-0.0198345	-0.0250808	-0.0186839	-0.0174598	-0.0197284	-0.0261465	-0.0881826	-0.1384281	-0.002908	-0.0177584
-0.0354424	-0.0306723	-0.0160449	-0.0204962	-0.0362333	-0.0198229	-0.0250714	-0.0186746	-0.0174482	-0.0197123	-0.0261107	-0.0881354	-0.1383947	-0.0029054	-0.017758
-0.035437	-0.0306691	-0.0160426	-0.0204921	-0.0362364	-0.0198314	-0.0250945	-0.0186774	-0.0174463	-0.0197151	-0.0261074	-0.0881289	-0.1384087	-0.0029055	-0.0177564
-0.0355783	-0.0307041	-0.0160513	-0.020488	-0.0363255	-0.0198621	-0.0251386	-0.0186774	-0.0174731	-0.0197783	-0.0262666	-0.0881348	-0.1384101	-0.0029053	-0.0177718
-0.0355893	-0.0307194	-0.0160658	-0.0204886	-0.036324	-0.0198576	-0.0251433	-0.0186772	-0.0174783	-0.0197851	-0.0263044	-0.0881704	-0.1390535	-0.0029061	-0.0178245
-0.0355892	-0.0307173	-0.0160653	-0.0204846	-0.0363258	-0.0198576	-0.025142	-0.0186749	-0.0174776	-0.0197825	-0.0263043	-0.0881732	-0.1390511	-0.0029059	-0.0178244
-0.0355682	-0.0307031	-0.016034	-0.0204411	-0.0362718	-0.0198413	-0.0251141	-0.0186325	-0.0174603	-0.0197635	-0.0262798	-0.0881693	-0.1390433	-0.0029058	-0.017824
-0.0355493	-0.0306991	-0.0160305	-0.0204412	-0.0362167	-0.0198264	-0.0251043	-0.0186227	-0.0174443	-0.0197167	-0.0262614	-0.0881793	-0.1391434	-0.0029058	-0.017824
-0.0355391	-0.0306869	-0.0160235	-0.0204313	-0.0361395	-0.0198267	-0.0250983	-0.0186274	-0.0174335	-0.0197256	-0.0262827	-0.0881706	-0.1391308	-0.0029054	-0.0178157
-0.0355409	-0.0306926	-0.0160245	-0.0204397	-0.0361358	-0.0198286	-0.0251052	-0.0186429	-0.0174357	-0.0197265	-0.0262832	-0.0881725	-0.139176	-0.0029049	-0.0178295
-0.0355407	-0.0307233	-0.0160253	-0.0204665	-0.0361323	-0.019829	-0.0251061	-0.0186515	-0.0174395	-0.0197264	-0.0263001	-0.0881759	-0.1391892	-0.0029045	-0.0178333
-0.0355521	-0.0307348	-0.0160247	-0.0204665	-0.0361323	-0.0198292	-0.0251061	-0.0186592	-0.0174486	-0.0197409	-0.0263145	-0.0881552	-0.1391846	-0.002904	-0.0178352
-0.0355528	-0.0307388	-0.0160253	-0.0204666	-0.036129	-0.0198297	-0.0251074	-0.0186597	-0.0174483	-0.0197412	-0.0263151	-0.0881472	-0.1391406	-0.0029041	-0.0178337
-0.0355536	-0.0307427	-0.0160258	-0.0204666	-0.0361279	-0.0198301	-0.0251074	-0.0186554	-0.0174475	-0.0197413	-0.0263157	-0.0881384	-0.1390274	-0.0029031	-0.0178335
-0.0355536	-0.030739	-0.0159854	-0.0204245	-0.036131	-0.0198275	-0.0251077	-0.0186552	-0.0174469	-0.0197397	-0.0263137	-0.0881204	-0.1389823	-0.0028961	-0.0178123
-0.0355637	-0.0307389	-0.0159867	-0.0204258	-0.0361226	-0.0198262	-0.0251186	-0.018659	-0.0174488	-0.0197463	-0.0263128	-0.0880935	-0.1389086	-0.002896	-0.0178265
-0.0355629	-0.0307497	-0.0159868	-0.0204312	-0.0361189	-0.0198242	-0.0251106	-0.0186586	-0.0174457	-0.0197406	-0.0263257	-0.0880855	-0.1389372	-0.0028961	-0.0178458
-0.0355781	-0.0307477	-0.0159839	-0.020429	-0.0361061	-0.0198226	-0.0251062	-0.0186579	-0.0174448	-0.0197344	-0.0263204	-0.0880897	-0.1389793	-0.002897	-0.0178756
-0.0355766	-0.0307433	-0.0159835	-0.020428	-0.0361001	-0.0198207	-0.0251026	-0.0186743	-0.0174407	-0.0197279	-0.0263155	-0.0880888	-0.138975	-0.002897	-0.0178952
-0.0355699	-0.0307319	-0.015979	-0.0204181	-0.0360992	-0.0198169	-0.0251017	-0.0186483	-0.0174338	-0.0197164	-0.0263103	-0.0880883	-0.1389543	-0.0028934	-0.0178857
-0.03557	-0.0307311	-0.0159817	-0.0204186	-0.0360886	-0.0198162	-0.0251001	-0.0186499	-0.0174331	-0.0197115	-0.0262995	-0.0882612	-0.1392772	-0.0028936	-0.0178855
-0.0355701	-0.0307191	-0.0159847	-0.0204155	-0.0360847	-0.0198157	-0.0250995	-0.0186414	-0.0174334	-0.0197157	-0.0262991	-0.0878265	-0.1387521	-0.0028937	-0.0178793
-0.0355701	-0.0307186	-0.0159849	-0.0204192	-0.0360757	-0.0198217	-0.0251071	-0.0186367	-0.0174322	-0.0197154	-0.0262923	-0.0878387	-0.1387736	-0.0028938	-0.0178756
-0.0355754	-0.0307842	-0.0159893	-0.0204173	-0.0360847	-0.0198226	-0.025128	-0.0186447	-0.0174346	-0.0197231	-0.0262932	-0.0878148	-0.1387609	-0.0028936	-0.0178877
-0.0355794	-0.0308182	-0.0159963	-0.0204155	-0.0360866	-0.0198216	-0.0251339	-0.0186439	-0.0174348	-0.0197226	-0.0262944	-0.0876895	-0.1387221	-0.0028959	-0.0178867

SEOEESNO	SEAIESNO	SEISESNO	SEREESNO	SEAEESNO	SESOESNO	SETEESNO	SEBEESNO	SEETESNO	SECHESNO	SEAPESNO	BITCESNO	LITCESNO	GREXESNO	DAXPESNO
-0.0346191	-0.0299158	-0.0157408	-0.0200629	-0.037129	-0.0186639	-0.023873	-0.0184696	-0.0171149	-0.0191124	-0.0254117	-0.1253592	-0.1653402	-0.0029201	-0.0160605
-0.0346166	-0.0299053	-0.015734	-0.020058	-0.0371141	-0.0186624	-0.0238664	-0.0184513	-0.0171074	-0.0191006	-0.0253906	-0.1253672	-0.1653494	-0.0029199	-0.0160531
-0.034617	-0.0298939	-0.0157289	-0.0200574	-0.0371119	-0.0186568	-0.0238641	-0.0184463	-0.0171037	-0.0190968	-0.0253903	-0.1253583	-0.1653399	-0.002912	-0.0160552
-0.034618	-0.0299073	-0.0157173	-0.0200602	-0.0371346	-0.0186722	-0.0238958	-0.0184469	-0.0171125	-0.0191224	-0.025403	-0.1255222	-0.1656684	-0.0029123	-0.016062
-0.0346505	-0.0299077	-0.0157162	-0.0200585	-0.0371412	-0.0187771	-0.0239526	-0.0184764	-0.017128	-0.01914	-0.0254112	-0.1255417	-0.1656714	-0.0029136	-0.016081
-0.034692	-0.0299196	-0.0157205	-0.0200627	-0.0371348	-0.0187791	-0.0239868	-0.0184845	-0.0171341	-0.0191425	-0.0254149	-0.1255543	-0.1651694	-0.0029143	-0.0160889
-0.0347007	-0.0299215	-0.0157175	-0.0200613	-0.0371285	-0.0187818	-0.0239887	-0.018484	-0.0171333	-0.0191397	-0.0254139	-0.1255858	-0.1652082	-0.0029142	-0.0161017
-0.0346713	-0.0298953	-0.0157103	-0.0200576	-0.0371295	-0.0187753	-0.0239842	-0.0184608	-0.0171235	-0.0191327	-0.0254089	-0.1255895	-0.1651996	-0.0029147	-0.0161156
-0.03466	-0.0298911	-0.0157112	-0.0200574	-0.0370927	-0.0187614	-0.0239109	-0.0184476	-0.0171168	-0.0191215	-0.0254066	-0.125589	-0.1652062	-0.0029139	-0.0161357
-0.0346595	-0.0298796	-0.0157091	-0.0200346	-0.0370657	-0.0187385	-0.0238745	-0.0184432	-0.0171015	-0.019113	-0.025388	-0.1255913	-0.1652503	-0.0029117	-0.0161534
-0.0346592	-0.0298864	-0.0157097	-0.020035	-0.0370834	-0.0187375	-0.0238907	-0.0184527	-0.0171026	-0.0191127	-0.0253999	-0.1255887	-0.1652541	-0.0029106	-0.0161717
-0.0347105	-0.0298839	-0.0157123	-0.0200349	-0.0370979	-0.0187371	-0.0239624	-0.0184529	-0.0171023	-0.0191118	-0.0254002	-0.1255884	-0.1652465	-0.0029106	-0.01618
-0.0347512	-0.0298823	-0.0157185	-0.0200368	-0.037153	-0.0187387	-0.0239832	-0.0184531	-0.0171037	-0.0191111	-0.0254002	-0.1255935	-0.1652372	-0.0029105	-0.0162011
-0.03475	-0.029879	-0.0157194	-0.0200385	-0.0371479	-0.0187353	-0.0239813	-0.0184512	-0.0171031	-0.0191103	-0.0254015	-0.1255909	-0.1652337	-0.0029114	-0.0162032
-0.034745	-0.0298877	-0.0157191	-0.0200385	-0.0371385	-0.018738	-0.0239734	-0.0184527	-0.0171015	-0.0191096	-0.0253947	-0.1255795	-0.16523	-0.0029103	-0.0161949
-0.0347422	-0.0298752	-0.0157196	-0.0200381	-0.0371397	-0.0187416	-0.023968	-0.0184543	-0.0171021	-0.0191118	-0.025392	-0.125634	-0.1653585	-0.002909	-0.0161835
-0.0347344	-0.0298623	-0.01572	-0.0200381	-0.0371407	-0.0187392	-0.023961	-0.0184487	-0.0171024	-0.0191127	-0.0253889	-0.1256251	-0.165349	-0.0029094	-0.01616
-0.0347369	-0.0298498	-0.0157074	-0.020038	-0.0371348	-0.0187385	-0.0239649	-0.0184427	-0.0171007	-0.0191118	-0.0253907	-0.1255871	-0.1653466	-0.0029077	-0.0161593
-0.0347369	-0.0298485	-0.0157383	-0.020044	-0.0371364	-0.0187431	-0.0239674	-0.0184512	-0.0171004	-0.019123	-0.0253947	-0.1255904	-0.165337	-0.0029102	-0.0161597
-0.034739	-0.0298564	-0.0157382	-0.0200383	-0.0371366	-0.0187468	-0.0239678	-0.0184551	-0.0171001	-0.0191244	-0.0254012	-0.1255893	-0.1653435	-0.00291	-0.0161599
-0.0347431	-0.0298608	-0.0157435	-0.0200516	-0.0371537	-0.0187531	-0.0239692	-0.0184547	-0.0171006	-0.0191237	-0.0253998	-0.1255939	-0.1653465	-0.0029097	-0.0161693
-0.0347394	-0.0298434	-0.0157425	-0.0200053	-0.0371577	-0.0187512	-0.0239589	-0.0184563	-0.0171028	-0.0191264	-0.0254055	-0.1254951	-0.1653406	-0.0029091	-0.01617
-0.0347282	-0.0298473	-0.0157436	-0.0200541	-0.0371113	-0.0187472	-0.0239444	-0.0184497	-0.0170972	-0.01913	-0.0254084	-0.1252905	-0.1654053	-0.0029053	-0.0161688
-0.0347284	-0.0298484	-0.0157451	-0.0200055	-0.0371064	-0.0187466	-0.0239175	-0.0184468	-0.0170993	-0.0191299	-0.0254062	-0.1252834	-0.1654095	-0.0029056	-0.0161732
-0.0347459	-0.0298778	-0.0157478	-0.0200597	-0.0370998	-0.0187768	-0.0239102	-0.018447	-0.0170979	-0.0191334	-0.0254421	-0.1252623	-0.1654072	-0.0029093	-0.0161566
-0.0347469	-0.0298724	-0.0157464	-0.0200595	-0.037091	-0.0187766	-0.0239158	-0.0184466	-0.0170966	-0.0191315	-0.0254358	-0.1252578	-0.1654428	-0.0029103	-0.0161569
-0.0347479	-0.0298778	-0.0157457	-0.0200606	-0.0370752	-0.0187772	-0.0239124	-0.0184462	-0.0170952	-0.0191374	-0.0254291	-0.1252635	-0.1654538	-0.0029101	-0.0161689
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-0.0347561	-0.0299033	-0.0157459	-0.0200699	-0.0370368	-0.0187902	-0.0239118	-0.0184504	-0.0171057	-0.0191468	-0.0254428	-0.1252726	-0.1647639	-0.0029105	-0.0161867
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-0.0354467	-0.0306865	-0.0160931	-0.0205028	-0.0362276	-0.0198229	-0.0249175	-0.0186722	-0.0174815	-0.0197384	-0.0261367	-0.1156789	-0.1393974	-0.0029125	-0.0176614
-0.0354515	-0.0306842	-0.0160941	-0.0205028	-0.0362249	-0.0198262	-0.0249279	-0.0186754	-0.0174819	-0.0197373	-0.0261456	-0.1151883	-0.139364	-0.002913	-0.017701
-0.0354603	-0.0306827	-0.0160971	-0.0205072	-0.0362305	-0.0198609	-0.0249661	-0.0186854	-0.0174995	-0.0197707	-0.0261695	-0.1151856	-0.1393722	-0.0029231	-0.0177594
-0.03545	-0.0306805	-0.0160939	-0.0205096	-0.0362308	-0.0198641	-0.0249654	-0.0186815	-0.0174999	-0.0197713	-0.0261677	-0.1151508	-0.1393615	-0.0029224	-0.0177594
-0.0354519	-0.0306762	-0.0160938	-0.0205124	-0.0362307	-0.0198644	-0.0249644	-0.0186776	-0.0175009	-0.0197731	-0.0261668	-0.1150504	-0.1394103	-0.0029224	-0.0177569
-0.0354428	-0.0306749	-0.0160934	-0.020515	-0.0362157	-0.0198579	-0.0249584	-0.0186775	-0.0175009	-0.0197669	-0.0261657	-0.109582	-0.1392083	-0.0029221	-0.0177431
-0.0354627	-0.0306901	-0.0160943	-0.0205162	-0.0362306	-0.0198639	-0.0249753	-0.0186781	-0.0175052	-0.0197688	-0.0261664	-0.1095611	-0.1391908	-0.0029203	-0.0177537
-0.0354743	-0.0307059	-0.0160952	-0.0205188	-0.036238	-0.0198634	-0.0249754	-0.0186782	-0.0175064	-0.019783	-0.0261705	-0.1044958	-0.139179	-0.0029202	-0.0177575
-0.035474	-0.0307243	-0.0160965	-0.020517	-0.0362404	-0.0198637	-0.0250538	-0.0186782	-0.0175064	-0.0197845	-0.0261791	-0.1036931	-0.1391762	-0.00292	-0.0177649
-0.0354771	-0.0307287	-0.0160962	-0.0205171	-0.0362444	-0.0198632	-0.0251143	-0.0186828	-0.017507	-0.0197887	-0.0261945	-0.098476	-0.1390585	-0.0029198	-0.0177693
-0.0354675	-0.0307328	-0.0160954	-0.0205166	-0.0362486	-0.019867	-0.0251145	-0.0186824	-0.01751	-0.0197904	-0.0261978	-0.09762	-0.1389443	-0.0029189	-0.0177701
-0.0354723	-0.0307356	-0.0160957	-0.0205131	-0.0362537	-0.0198706	-0.0251188	-0.0186855	-0.0175114	-0.0197921	-0.026201	-0.0884471	-0.1389099	-0.0029175	-0.0177719
-0.0354729	-0.0307387	-0.0160888	-0.0205123	-0.0362557	-0.0198653	-0.0251203	-0.0186845	-0.0175132	-0.019787	-0.0261999	-0.0884884	-0.1389531	-0.0029129	-0.0177714
-0.0354777	-0.0307238	-0.0160928	-0.0205201	-0.0363474	-0.0198875	-0.0251224	-0.0186902	-0.0175149	-0.0197851	-0.0262057	-0.0884492	-0.1389179	-0.0029099	-0.0177742
-0.0354751	-0.0307116	-0.0160843	-0.0205176	-0.0363281	-0.0198813	-0.0251134	-0.0186821	-0.0175047	-0.0197752	-0.0261929	-0.0884497	-0.1389034	-0.0029099	-0.0177718
-0.0354708	-0.0307139	-0.0160791	-0.0205276	-0.0363148	-0.0198673	-0.0251083	-0.0187141	-0.0174949	-0.0197756	-0.0261804	-0.0884375	-0.1388381	-0.0029099	-0.0177642
-0.0354734	-0.0307036	-0.0160711	-0.0205259	-0.0362981	-0.0198524	-0.0250991	-0.0187049	-0.0174845	-0.0197632	-0.0261679	-0.08819	-0.1388007	-0.0029099	-0.0177594
-0.0354667	-0.0306881	-0.0160594	-0.0205021	-0.0362482	-0.0198394	-0.0250794	-0.0186924	-0.0174598	-0.0197331	-0.0261385	-0.0881858	-0.1384636	-0.0029097	-0.0177588
-0.0354441	-0.0306895	-0.0160532	-0.0205014	-0.0362404	-0.0198345	-0.0250797	-0.0186856	-0.0174597	-0.0197288	-0.0261434	-0.0881979	-0.1384438	-0.0029081	-0.0177583
-0.0354424	-0.0306901	-0.0160528	-0.0205001	-0.0362365	-0.0198345	-0.0250808	-0.0186839	-0.0174598	-0.0197284	-0.0261465	-0.0881826	-0.1384281	-0.002908	-0.0177584
-0.0354424	-0.0306723	-0.0160449	-0.0204962	-0.0362333	-0.0198229	-0.0250714	-0.0186746	-0.0174482	-0.0197123	-0.0261107	-0.0881354	-0.1383947	-0.0029054	-0.017758
-0.035437	-0.0306691	-0.0160428	-0.0204921	-0.0362364	-0.0198314	-0.0250945	-0.0186774	-0.0174463	-0.0197151	-0.0261074	-0.0881289	-0.1384087	-0.0029055	-0.0177564
-0.0355783	-0.0307041	-0.0160513	-0.020488	-0.0363255	-0.0198621	-0.0251386	-0.0186774	-0.0174731	-0.0197783	-0.0262666	-0.0881348	-0.1384101	-0.0029053	-0.0177718
-0.0355893	-0.0307194	-0.0160658	-0.0204886	-0.036324	-0.0198576	-0.0251433	-0.0186772	-0.0174783	-0.0197851	-0.0263044	-0.0881704	-0.1390535	-0.0029061	-0.0178245
-0.0355892	-0.0307173	-0.0160653	-0.0204846	-0.0363258	-0.0198576	-0.025142	-0.0186749	-0.0174776	-0.0197825	-0.0263043	-0.0881732	-0.1390511	-0.0029059	-0.0178244
-0.0355682	-0.0307031	-0.016034	-0.0204411	-0.0362718	-0.0198413	-0.0251141	-0.0186325	-0.0174603	-0.0197635	-0.0262798	-0.0881693	-0.1390433	-0.0029058	-0.017824
-0.0355493	-0.0306991	-0.0160305	-0.0204412	-0.0362167	-0.0198264	-0.0251043	-0.0186227	-0.0174443	-0.0197167	-0.0262614	-0.0881793	-0.1391434	-0.0029058	-0.017824
-0.0355391	-0.0306869	-0.0160235	-0.0204313	-0.0361395	-0.0198267	-0.0250983	-0.0186274	-0.017435	-0.0197256	-0.0262827	-0.0881706	-0.1391308	-0.0029054	-0.0178157
-0.0355409	-0.0306926	-0.0160245	-0.0204397	-0.0361358	-0.0198286	-0.0251052	-0.0186429	-0.0174357	-0.0197265	-0.0262832	-0.0881725	-0.139176	-0.0029049	-0.0178295
-0.0355407	-0.0307233	-0.0160253	-0.0204665	-0.0361323	-0.019829	-0.0251061	-0.0186515	-0.0174395	-0.0197264	-0.0263001	-0.0881759	-0.1391892	-0.0029045	-0.0178333
-0.0355521	-0.0307348	-0.0160247	-0.0204665	-0.0361323	-0.0198292	-0.0251061	-0.0186592	-0.0174486	-0.0197409	-0.0263145	-0.0881552	-0.1391846	-0.002904	-0.0178352
-0.0355528	-0.0307388	-0.0160253	-0.0204666	-0.036129	-0.0198297	-0.0251074	-0.0186597	-0.0174483	-0.0197412	-0.0263151	-0.0881472	-0.1391406	-0.0029041	-0.0178337
-0.0355536	-0.0307427	-0.0160258	-0.0204666	-0.0361279	-0.0198301	-0.0251074	-0.0186554	-0.0174475	-0.0197413	-0.0263157	-0.0881384	-0.1390274	-0.0029031	-0.0178335
-0.0355536	-0.030739	-0.0159854	-0.0204245	-0.036131	-0.0198275	-0.0251077	-0.0186552	-0.0174469	-0.0197397	-0.0263137	-0.0881204	-0.1389823	-0.0028961	-0.0178123
-0.0355637	-0.0307389	-0.0159867	-0.0204258	-0.0361226	-0.0198262	-0.0251186	-0.018659	-0.0174488	-0.0197463	-0.0263128	-0.0880935	-0.1389086	-0.002896	-0.0178265
-0.0355629	-0.0307497	-0.0159868	-0.0204312	-0.0361189	-0.0198242	-0.0251106	-0.0186586	-0.0174457	-0.0197406	-0.0263257	-0.0880855	-0.1389372	-0.0028961	-0.0178458
-0.0355781	-0.0307477	-0.0159839	-0.020429	-0.0361061	-0.0198226	-0.0251062	-0.0186579	-0.0174448	-0.0197344	-0.0263204	-0.0880897	-0.1389793	-0.002897	-0.0178756
-0.0355766	-0.0307433	-0.0159835	-0.020428	-0.0361001	-0.0198207	-0.0251026	-0.0186743	-0.0174407	-0.0197279	-0.0263155	-0.0880888	-0.138975	-0.002897	-0.0178952
-0.0355699	-0.0307319	-0.015979	-0.0204181	-0.0360992	-0.0198169	-0.0251017	-0.0186483	-0.0174338	-0.0197164	-0.0263103	-0.0880883	-0.1389543	-0.0028934	-0.0178857
-0.03557	-0.0307311	-0.0159817	-0.0204146	-0.0360886	-0.0198162	-0.0251001	-0.0186499	-0.0174331	-0.019715	-0.0262995	-0.0882612	-0.1392772	-0.0028936	-0.0178855
-0.0355701	-0.0307191	-0.0159847	-0.0204155	-0.0360847	-0.0198157	-0.0250995	-0.0186414	-0.0174334	-0.0197157	-0.0262991	-0.0878265	-0.1387521	-0.0028937	-0.0178793
-0.0355701	-0.0307186	-0.0159849	-0.0204192	-0.0360757	-0.019817	-0.0251071	-0.0186367	-0.0174322	-0.0197154	-0.0262923	-0.0878387	-0.1387736	-0.0028938	-0.0178756
-0.0355754	-0.0307842	-0.0159893	-0.0204173	-0.0360847	-0.0198226	-0.025128	-0.0186447	-0.0174346	-0.0197231	-0.0262932	-0.0878148	-0.1387609	-0.0028936	-0.0178877
-0.0355794	-0.0308182	-0.0159963	-0.0204155	-0.0360866	-0.0198216	-0.0251339	-0.0186439	-0.0174348	-0.0197226	-0.0262944	-0.0876895	-0.1387221	-0.0028959	-0.0178867

DIGITAL APPENDIX R

DIGITAL APPENDIX R

R_[RESULTS]_Chapter 4.7._Modelselection

1	2	3	4	5	6	7
Model	**GARCH Model**	**Error Dist**	**Would e12ged be possible, too?**	**Group**	**Subgroup**	**Asset Class**
DJNGe21stdFIT	e12	std	No	Commodities Energy	Energy	Future
DJPEe12gedFIT	e12	ged	fits	Commodities Energy	Energy	Future
DJCCe12gedFIT	e12	ged	fits	Commodities Food	Food	Future
DJCFe22gedFIT	e22	ged	fits	Commodities Food	Food	Future
DJLHe12gedFIT	e12	ged	fits	Commodities Food	Food	Future
DJSOe21gedFIT	e21	ged	No	Commodities Food	Food	Future
DJSUs12norFIT	s12	ged	No	Commodities Food	Food	Future
DJWEe11gedFIT	e11	ged	Yes	Commodities Food	Food	Future
DJCTe12stdFIT	e12	std	No	Commodities Food	Cotton	Future
DJALe12gedFIT	e12	ged	fits	Commodities Metal	Metal	Future
DJNIe22norFIT	e22	nor	No	Commodities Metal	Metal	Future
DJSIg12gedFIT	g12	ged	No	Commodities Metal	Metal	Future
DJZIe12norFIT	e12	nor	No	Commodities Metal	Metal	Future
BITCs12gedFIT	s12	ged	No	Crypto	Crypto	Crypto
LITCc12gedFIT	c12	ged	No	Crypto	Crypto	Crypto
SEAPe11gedFIT	e11	ged	No	Emotioanals	Emotioanals	Stock
SEBEe12gedFIT	e12	ged	fits	Emotioanals	Emotioanals	Stock
SEAEe11gedFIT	e11	ged	No	Energy	Energy	Stock
SEECe11gedFIT	e11	ged	Yes	Infrastructure	Utilities	Stock
SEUTc11gedFIT	c11	ged	Yes	Infrastructure	Utilities	Stock
SEAIe12gedFIT	e12	ged	fits	Infrastructure	Transportation	Stock
SETRe11gedFIT	e11	ged	No	Infrastructure	Transportation	Stock
SEFLe11gedFIT	e11	ged	No	Infrastructure	Telecommunications	Stock
SEMOe12gedFIT	e12	ged	fits	Infrastructure	Telecommunications	Stock
SEOEe12gedFIT	e12	ged	fits	Infrastructure	Oil	Stock
SEOGe12gedFIT	e12	ged	fits	Infrastructure	Oil	Stock
SECHe12gedFIT	e12	ged	fits	Other	Other	Stock
SEFPe12gedFIT	e12	ged	fits	Other	Other	Stock
SESOe11gedFIT	e11	ged	No	Other	Other	Stock
SETEe12gedFIT	e12	ged	fits	Other	Other	Stock
DAXPs11gedFIT	s11	ged	No	Private Equity	Private Equity	Private Equity
SEISe21gedFIT	e12	ged	fits	Real Estate	Real Estate	Real Estate
SEREe11gedFIT	e11	ged	No	Real Estate	Real Estate	Real Estate
GREXe12gedFIT	e12	ged	fits	Rex	Rex	Bonds
SEETe12gedFIT	e12	ged	fits	Total	Total	Stock

Dominating Model	
e12	ged
Subdominating	
e11	ged

DIGITAL APPENDIX S

DIGITAL APPENDIX S

S_[CODE]_Chapter 4.7_Portfolio Expected Shortfall and Backtest

Portfolio ratio of Bonds and Equities

```
Ratio taken from here: https://www.bundesbank.de/resource/blob/804004/90b3bd4bb1c20be4ffdb689f3c8c7c9b/mL/i-bilanzpositionen-der-banken-mfis-in-deutschland-data.pdf
Value of Bonds to Value of Equites at the end of insample Period: August 2018
Bonds              951522
Equities           207891
Ratio Bonds      0.82069289
Ratio Equities   0.17930711
```

Portfolio 1: Bonds and Equities only

```
P1retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.179*datSEETretINSA$rev.SEETretINSA
P1retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.179*datSEETretOUTSA$rev.SEETretOUTSA
datP1retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P1retINSA)
datP1retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P1retOUTSA)
summary(ur.df(datP1retINSA$P1retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP1retINSA$P1retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP1retINSA$P1retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP1retINSA$P1retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP1retINSA$P1retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP1<-auto.arima(datP1retINSA$P1retINSA, stationary=TRUE, allowmean=FALSE)
P1e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P1e12gedFIT<-ugarchfit(spec=P1e12ged,data=datP1retINSA$P1retINSA)
P1e12gedFORE<-ugarchforecast(P1e12gedFIT,n.ahead=181)
P1e12gedVRST<-P1e12gedFORE@forecast$series+P1e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP1e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P1e12gedESST<-P1e12gedFORE@forecast$series+P1e12gedFORE@forecast$sigma*integrate(fP1e12gedFIT, 0, 0.025)$value/0.025
P1e12gedBMST<-ESTest(0.025, datP1retOUTSA$P1retOUTSA, P1e12gedESST,P1e12gedVRST, boot=TRUE)
```

Portfolio 2: Bonds and Equities and Food Commodities

```
P2retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/6)*datDJCCretINSA$rev.DJCCretINSA+(0.0895/6)*datDJCFretINSA$rev.DJCFretINSA+(0.0895/6)*datDJLHretINSA$rev.DJLHretINSA+(0.0895/6)*datDJSUretINSA$rev.DJSUretINSA+(0.0895/6)*datDJSOretINSA$rev.DJSOretINSA+(0.0895/6)*datDJWEretINSA$rev.DJWEretINSA
P2retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.0895/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.0895/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.0895/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.0895/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.0895/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2retINSA)
datP2retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2retOUTSA)
summary(ur.df(datP2retINSA$P2retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2retINSA$P2retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2retINSA$P2retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2retINSA$P2retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2retINSA$P2retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2<-auto.arima(datP2retINSA$P2retINSA, stationary=TRUE, allowmean=FALSE)
P2e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2e12gedFIT<-ugarchfit(spec=P2e12ged,data=datP2retINSA$P2retINSA)
P2e12gedFORE<-ugarchforecast(P2e12gedFIT,n.ahead=181)
P2e12gedVRST<-P2e12gedFORE@forecast$series+P2e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2e12gedESST<-P2e12gedFORE@forecast$series+P2e12gedFORE@forecast$sigma*integrate(fP2e12gedFIT, 0, 0.025)$value/0.025
P2e12gedBMST<-ESTest(0.025, datP2retOUTSA$P2retOUTSA, P2e12gedESST,P2e12gedVRST, boot=TRUE)
```

Portfolio 3: Bonds and Equities and Energy Commodities

```
P3retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/2)*datDJPEretINSA$rev.DJPEretINSA+(0.0895/2)*datDJNGretINSA$rev.DJNGretINSA
P3retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.0895/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3retINSA)
datP3retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3retOUTSA)
summary(ur.df(datP3retINSA$P3retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3retINSA$P3retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3retINSA$P3retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3retINSA$P3retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3retINSA$P3retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3<-auto.arima(datP3retINSA$P3retINSA, stationary=TRUE, allowmean=FALSE)
P3e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3e12gedFIT<-ugarchfit(spec=P3e12ged,data=datP3retINSA$P3retINSA)
P3e12gedFORE<-ugarchforecast(P3e12gedFIT,n.ahead=181)
P3e12gedVRST<-P3e12gedFORE@forecast$series+P3e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3e12gedESST<-P3e12gedFORE@forecast$series+P3e12gedFORE@forecast$sigma*integrate(fP3e12gedFIT, 0, 0.025)$value/0.025
P3e12gedBMST<-ESTest(0.025, datP3retOUTSA$P3retOUTSA, P3e12gedESST,P3e12gedVRST, boot=TRUE)
```

Portfolio 4: Bonds and Equities and Metal Commodities

```
P4retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/4)*datDJALretINSA$rev.DJALretINSA+(0.0895/4)*datDJSIretINSA$rev.DJSIretINSA+(0.0895/4)*datDJNIretINSA$rev.DJNIretINSA+(0.0895/4)*datDJZIretINSA$rev.DJZIretINSA
P4retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.0895/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.0895/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.0895/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4retINSA)
datP4retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4retOUTSA)
summary(ur.df(datP4retINSA$P4retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4retINSA$P4retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4retINSA$P4retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4retINSA$P4retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4retINSA$P4retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4<-auto.arima(datP4retINSA$P4retINSA, stationary=TRUE, allowmean=FALSE)
P4e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4e12gedFIT<-ugarchfit(spec=P4e12ged,data=datP4retINSA$P4retINSA)
P4e12gedFORE<-ugarchforecast(P4e12gedFIT,n.ahead=181)
P4e12gedVRST<-P4e12gedFORE@forecast$series+P4e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4e12gedESST<-P4e12gedFORE@forecast$series+P4e12gedFORE@forecast$sigma*integrate(fP4e12gedFIT, 0, 0.025)$value/0.025
P4e12gedBMST<-ESTest(0.025, datP4retOUTSA$P4retOUTSA, P4e12gedESST,P4e12gedVRST, boot=TRUE)
```

Portfolio 5: Bonds and Equities and Cotton Commodities

```
P5retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895)*datDJCTretINSA$rev.DJCTretINSA
P5retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5retINSA)
datP5retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5retOUTSA)
summary(ur.df(datP5retINSA$P5retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5retINSA$P5retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5retINSA$P5retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5retINSA$P5retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5retINSA$P5retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5<-auto.arima(datP5retINSA$P5retINSA, stationary=TRUE, allowmean=FALSE)
P5e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5e12gedFIT<-ugarchfit(spec=P5e12ged,data=datP5retINSA$P5retINSA)
P5e12gedFORE<-ugarchforecast(P5e12gedFIT,n.ahead=181)
P5e12gedVRST<-P5e12gedFORE@forecast$series+P5e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5e12gedESST<-P5e12gedFORE@forecast$series+P5e12gedFORE@forecast$sigma*integrate(fP5e12gedFIT, 0, 0.025)$value/0.025
P5e12gedBMST<-ESTest(0.025, datP5retOUTSA$P5retOUTSA, P5e12gedESST,P5e12gedVRST, boot=TRUE)
```

Portfolio 6: Bonds and Equities and Crypto

```
P6retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/2)*datBITCretINSA$rev.BITCretINSA+(0.0895/2)*datLITCretINSA$rev.LITCretINSA
P6retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.0895/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6retINSA)
datP6retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6retOUTSA)
summary(ur.df(datP6retINSA$P6retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6retINSA$P6retINSA, type=c("mu"), lags=c("short")))
```

```
summary(ur.kpss(datP6retINSA$P6retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6retINSA$P6retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6retINSA$P6retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6<-auto.arima(datP6retINSA$P6retINSA, stationary=TRUE, allowmean=FALSE)
P6e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6e12gedFIT<-ugarchfit(spec=P6e12ged,data=datP6retINSA$P6retINSA)
P6e12gedFORE<-ugarchforecast(P6e12gedFIT,n.ahead=181)
P6e12gedVRST<-P6e12gedFORE@forecast$series+P6e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6e12gedESST<-P6e12gedFORE@forecast$series+P6e12gedFORE@forecast$sigma*integrate(fP6e12gedFIT, 0, 0.025)$value/0.025
P6e12gedBMST<-ESTest(0.025, datP6retOUTSA$P6retOUTSA, P6e12gedESST,P6e12gedVRST, boot=TRUE)
```

Portfolio 7: Bonds and Equities and Private Equtiy

```
P7retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+0.0895*datDAXPretINSA$rev.DAXPretINSA
P7retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+0.0895*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7retINSA)
datP7retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7retOUTSA)
summary(ur.df(datP7retINSA$P7retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7retINSA$P7retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7retINSA$P7retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7retINSA$P7retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7retINSA$P7retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7<-auto.arima(datP7retINSA$P7retINSA, stationary=TRUE, allowmean=FALSE)
P7e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7e12gedFIT<-ugarchfit(spec=P7e12ged,data=datP7retINSA$P7retINSA)
P7e12gedFORE<-ugarchforecast(P7e12gedFIT,n.ahead=181)
P7e12gedVRST<-P7e12gedFORE@forecast$series+P7e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP7e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7e12gedESST<-P7e12gedFORE@forecast$series+P7e12gedFORE@forecast$sigma*integrate(fP7e12gedFIT, 0, 0.025)$value/0.025
P7e12gedBMST<-ESTest(0.025, datP7retOUTSA$P7retOUTSA, P7e12gedESST,P7e12gedVRST, boot=TRUE)
```

Portfolio 8: Bonds and Equities and Emotionals

```
P8retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*datSEBEretINSA$rev.SEBEretINSA+(0.0895/2)*datSEAPretINSA$rev.SEAPretINSA
P8retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.0895/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.0895/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8retINSA)
datP8retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8retOUTSA)
summary(ur.df(datP8retINSA$P8retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8retINSA$P8retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8retINSA$P8retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8retINSA$P8retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8retINSA$P8retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8<-auto.arima(datP8retINSA$P8retINSA, stationary=TRUE, allowmean=FALSE)
P8e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8e12gedFIT<-ugarchfit(spec=P8e12ged,data=datP8retINSA$P8retINSA)
P8e12gedFORE<-ugarchforecast(P8e12gedFIT,n.ahead=181)
P8e12gedVRST<-P8e12gedFORE@forecast$series+P8e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8e12gedESST<-P8e12gedFORE@forecast$series+P8e12gedFORE@forecast$sigma*integrate(fP8e12gedFIT, 0, 0.025)$value/0.025
P8e12gedBMST<-ESTest(0.025, datP8retOUTSA$P8retOUTSA, P8e12gedESST,P8e12gedVRST, boot=TRUE)
```

Portfolio 9: Bonds and Equities and Energy

```
P9retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+0.0895*datSEAEretINSA$rev.SEAEretINSA
P9retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.0895*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9retINSA)
datP9retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9retOUTSA)
summary(ur.df(datP9retINSA$P9retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9retINSA$P9retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9retINSA$P9retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9retINSA$P9retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9retINSA$P9retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9<-auto.arima(datP9retINSA$P9retINSA, stationary=TRUE, allowmean=FALSE)
P9e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9e12gedFIT<-ugarchfit(spec=P9e12ged,data=datP9retINSA$P9retINSA)
P9e12gedFORE<-ugarchforecast(P9e12gedFIT,n.ahead=181)
P9e12gedVRST<-P9e12gedFORE@forecast$series+P9e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9e12gedESST<-P9e12gedFORE@forecast$series+P9e12gedFORE@forecast$sigma*integrate(fP9e12gedFIT, 0, 0.025)$value/0.025
P9e12gedBMST<-ESTest(0.025, datP9retOUTSA$P9retOUTSA, P9e12gedESST,P9e12gedVRST, boot=TRUE)
```

Portfolio 10: Bonds and Equities and Oil

```
P10retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*datSEOGretINSA$rev.SEOGretINSA+(0.0895/2)*datSEOEretINSA$rev.SEOEretINSA
P10retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.0895/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.0895/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10retINSA)
datP10retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10retOUTSA)
summary(ur.df(datP10retINSA$P10retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10retINSA$P10retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10retINSA$P10retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10retINSA$P10retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10retINSA$P10retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10<-auto.arima(datP10retINSA$P10retINSA, stationary=TRUE, allowmean=FALSE)
P10e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10e12gedFIT<-ugarchfit(spec=P10e12ged,data=datP10retINSA$P10retINSA)
P10e12gedFORE<-ugarchforecast(P10e12gedFIT,n.ahead=181)
P10e12gedVRST<-P10e12gedFORE@forecast$series+P10e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10e12gedESST<-P10e12gedFORE@forecast$series+P10e12gedFORE@forecast$sigma*integrate(fP10e12gedFIT, 0, 0.025)$value/0.025
P10e12gedBMST<-ESTest(0.025, datP10retOUTSA$P10retOUTSA, P10e12gedESST,P10e12gedVRST, boot=TRUE)
```

Portfolio 11: Bonds and Equities and Telecommunication

```
P11retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*datSEFLretINSA$rev.SEFLretINSA+(0.0895/2)*datSEMOretINSA$rev.SEMOretINSA
P11retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.0895/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.0895/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11retINSA)
datP11retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11retOUTSA)
summary(ur.df(datP11retINSA$P11retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11retINSA$P11retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11retINSA$P11retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11retINSA$P11retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11retINSA$P11retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11<-auto.arima(datP11retINSA$P11retINSA, stationary=TRUE, allowmean=FALSE)
P11e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11e12gedFIT<-ugarchfit(spec=P11e12ged,data=datP11retINSA$P11retINSA)
P11e12gedFORE<-ugarchforecast(P11e12gedFIT,n.ahead=181)
P11e12gedVRST<-P11e12gedFORE@forecast$series+P11e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11e12gedESST<-P11e12gedFORE@forecast$series+P11e12gedFORE@forecast$sigma*integrate(fP11e12gedFIT, 0, 0.025)$value/0.025
P11e12gedBMST<-ESTest(0.025, datP11retOUTSA$P11retOUTSA, P11e12gedESST,P11e12gedVRST, boot=TRUE)
```

Portfolio 12: Bonds and Equities and Transportation and Utilities

```
P12retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*datSEAIretINSA$rev.SEAIretINSA+(0.0895/4)*datSETRetINSA$rev.SETRretINSA+(0.0895/4)*datSEECretINSA$rev.SEECretINSA+(0.0895/4)*datSEUTretINSA$rev.SEUTretINSA
P12retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.0895/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.0895/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.0895/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.0895/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
```

```
datP12retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12retINSA)
datP12retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12retOUTSA)
summary(ur.df(datP12retINSA$P12retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12retINSA$P12retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12retINSA$P12retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12retINSA$P12retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12retINSA$P12retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12<-auto.arima(datP12retINSA$P12retINSA, stationary=TRUE, allowmean=FALSE)
P12e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12e12gedFIT<-ugarchfit(spec=P12e12ged,data=datP12retINSA$P12retINSA)
P12e12gedFORE<-ugarchforecast(P12e12gedFIT,n.ahead=181)
P12e12gedVRST<-P12e12gedFORE@forecast$series+P12e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12e12gedESST<-P12e12gedFORE@forecast$series+P12e12gedFORE@forecast$sigma*integrate(fP12e12gedFIT, 0, 0.025)$value/0.025
P12e12gedBMST<-ESTest(0.025, datP12retOUTSA$P12retOUTSA, P12e12gedESST,P12e12gedVRST, boot=TRUE)
```

Portfolio 13: Bonds and Equities and Other

```
P13retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*datSEFPretINSA$rev.SEFPretINSA+(0.0895/4)*datSETEretINSA$rev.SETEretINSA+(0.0895/4)*datSECHretINSA$rev.SECHretINSA+(0.0895/4)*datSESOretINSA$rev.SESOretINSA
P13retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.0895/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.0895/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.0895/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.0895/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13retINSA)
datP13retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13retOUTSA)
summary(ur.df(datP13retINSA$P13retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13retINSA$P13retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13retINSA$P13retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13retINSA$P13retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13retINSA$P13retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13<-auto.arima(datP13retINSA$P13retINSA, stationary=TRUE, allowmean=FALSE)
P13e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13e12gedFIT<-ugarchfit(spec=P13e12ged,data=datP13retINSA$P13retINSA)
P13e12gedFORE<-ugarchforecast(P13e12gedFIT,n.ahead=181)
P13e12gedVRST<-P13e12gedFORE@forecast$series+P13e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13e12gedESST<-P13e12gedFORE@forecast$series+P13e12gedFORE@forecast$sigma*integrate(fP13e12gedFIT, 0, 0.025)$value/0.025
P13e12gedBMST<-ESTest(0.025, datP13retOUTSA$P13retOUTSA, P13e12gedESST,P13e12gedVRST, boot=TRUE)
```

Portfolio 14: Bonds and Equities and REITS NaN in ARMA and Warning in gedFIT convergence problem

```
P14retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.089*(datSEETretINSA$rev.SEETretINSA)+(0.089/2)*datSEISretINSA$rev.SEISretINSA+(0.089/2)*datSERETretINSA$rev.SERETretINSA
P14retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.089*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSERETretOUTSA$rev.SERETretOUTSA)+(0.089/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.089/2)*datSERETretOUTSA$rev.SERETretOUTSA
datP14retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14retINSA)
datP14retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14retOUTSA)
summary(ur.df(datP14retINSA$P14retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14retINSA$P14retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14retINSA$P14retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14retINSA$P14retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14retINSA$P14retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14<-auto.arima(datP14retINSA$P14retINSA, stationary=TRUE, allowmean=FALSE)
P14e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14e12gedFIT<-ugarchfit(spec=P14e12ged,data=datP14retINSA$P14retINSA)
P14e12gedFORE<-ugarchforecast(P14e12gedFIT,n.ahead=181)
P14e12gedVRST<-P14e12gedFORE@forecast$series+P14e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14e12gedESST<-P14e12gedFORE@forecast$series+P14e12gedFORE@forecast$sigma*integrate(fP14e12gedFIT, 0, 0.025)$value/0.025
P14e12gedBMST<-ESTest(0.025, datP14retOUTSA$P14retOUTSA, P14e12gedESST,P14e12gedVRST, boot=TRUE)
```

Portfolio 2a: Bonds and Equities and Food Commodities

```
P2aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/6)*datDJCCretINSA$rev.DJCCretINSA+(0.05/6)*datDJCFretINSA$rev.DJCFretINSA+(0.05/6)*datDJLHretINSA$rev.DJLHretINSA+(0.05/6)*datDJSUretINSA$rev.DJSUretINSA+(0.05/6)*datDJSOretINSA$rev.DJSOretINSA+(0.05/6)*datDJWEretINSA$rev.DJWEretINSA
P2aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.05/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.05/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.05/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.05/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.05/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2aretINSA)
datP2aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2aretOUTSA)
summary(ur.df(datP2aretINSA$P2aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2aretINSA$P2aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2aretINSA$P2aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2aretINSA$P2aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2aretINSA$P2aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2a<-auto.arima(datP2aretINSA$P2aretINSA, stationary=TRUE, allowmean=FALSE)
P2ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2ae12gedFIT<-ugarchfit(spec=P2ae12ged,data=datP2aretINSA$P2aretINSA)
P2ae12gedFORE<-ugarchforecast(P2ae12gedFIT,n.ahead=181)
P2ae12gedVRST<-P2ae12gedFORE@forecast$series+P2ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2ae12gedESST<-P2ae12gedFORE@forecast$series+P2ae12gedFORE@forecast$sigma*integrate(fP2ae12gedFIT, 0, 0.025)$value/0.025
P2ae12gedBMST<-ESTest(0.025, datP2aretOUTSA$P2aretOUTSA, P2ae12gedESST,P2ae12gedVRST, boot=TRUE)
```

Portfolio 3a: Bonds and Equities and Energy Commodities

```
P3aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/2)*datDJPEretINSA$rev.DJPEretINSA+(0.05/2)*datDJNGretINSA$rev.DJNGretINSA
P3aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.05/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3aretINSA)
datP3aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3aretOUTSA)
summary(ur.df(datP3aretINSA$P3aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3aretINSA$P3aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3aretINSA$P3aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3aretINSA$P3aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3aretINSA$P3aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3a<-auto.arima(datP3aretINSA$P3aretINSA, stationary=TRUE, allowmean=FALSE)
P3ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3ae12gedFIT<-ugarchfit(spec=P3ae12ged,data=datP3aretINSA$P3aretINSA)
P3ae12gedFORE<-ugarchforecast(P3ae12gedFIT,n.ahead=181)
P3ae12gedVRST<-P3ae12gedFORE@forecast$series+P3ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3ae12gedESST<-P3ae12gedFORE@forecast$series+P3ae12gedFORE@forecast$sigma*integrate(fP3ae12gedFIT, 0, 0.025)$value/0.025
P3ae12gedBMST<-ESTest(0.025, datP3aretOUTSA$P3aretOUTSA, P3ae12gedESST,P3ae12gedVRST, boot=TRUE)
```

Portfolio 4a: Bonds and Equities and Metal Commodities

```
P4aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/4)*datDJALretINSA$rev.DJALretINSA+(0.05/4)*datDJSIretINSA$rev.DJSIretINSA+(0.05/4)*datDJNIretINSA$rev.DJNIretINSA+(0.05/4)*datDJZIretINSA$rev.DJZIretINSA
P4aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.05/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.05/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.05/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4aretINSA)
datP4aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4aretOUTSA)
summary(ur.df(datP4aretINSA$P4aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4aretINSA$P4aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4aretINSA$P4aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4aretINSA$P4aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4aretINSA$P4aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4a<-auto.arima(datP4aretINSA$P4aretINSA, stationary=TRUE, allowmean=FALSE)
P4ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4ae12gedFIT<-ugarchfit(spec=P4ae12ged,data=datP4aretINSA$P4aretINSA)
P4ae12gedFORE<-ugarchforecast(P4ae12gedFIT,n.ahead=181)
P4ae12gedVRST<-P4ae12gedFORE@forecast$series+P4ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4ae12gedESST<-P4ae12gedFORE@forecast$series+P4ae12gedFORE@forecast$sigma*integrate(fP4ae12gedFIT, 0, 0.025)$value/0.025
P4ae12gedBMST<-ESTest(0.025, datP4aretOUTSA$P4aretOUTSA, P4ae12gedESST,P4ae12gedVRST, boot=TRUE)
```

Portfolio 5a: Bonds and Equities and Cotton Commodities

```
P5aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05)*datDJCTretINSA$rev.DJCTretINSA
P5aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5aretINSA)
datP5aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5aretOUTSA)
summary(ur.df(datP5aretINSA$P5aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5aretINSA$P5aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5aretINSA$P5aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5aretINSA$P5aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5aretINSA$P5aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5a<-auto.arima(datP5aretINSA$P5aretINSA, stationary=TRUE, allowmean=FALSE)
P5ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5ae12gedFIT<-ugarchfit(spec=P5ae12ged,data=datP5aretINSA$P5aretINSA)
P5ae12gedFORE<-ugarchforecast(P5ae12gedFIT,n.ahead=181)
P5ae12gedVRST<-P5ae12gedFORE@forecast$series+P5ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5ae12gedESST<-P5ae12gedFORE@forecast$series+P5ae12gedFORE@forecast$sigma*integrate(fP5ae12gedFIT, 0, 0.025)$value/0.025
P5ae12gedBMST<-ESTest(0.025, datP5aretOUTSA$P5aretOUTSA, P5ae12gedESST,P5ae12gedVRST, boot=TRUE)
```

Portfolio 6a: Bonds and Equities and Crypto

```
P6aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/2)*datBITCretINSA$rev.BITCretINSA+(0.05/2)*datLITCretINSA$rev.LITCretINSA
P6aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.05/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6aretINSA)
datP6aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6aretOUTSA)
summary(ur.df(datP6aretINSA$P6aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6aretINSA$P6aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP6aretINSA$P6aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6aretINSA$P6aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6aretINSA$P6aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6a<-auto.arima(datP6aretINSA$P6aretINSA, stationary=TRUE, allowmean=FALSE)
P6ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6ae12gedFIT<-ugarchfit(spec=P6ae12ged,data=datP6aretINSA$P6aretINSA)
P6ae12gedFORE<-ugarchforecast(P6ae12gedFIT,n.ahead=181)
P6ae12gedVRST<-P6ae12gedFORE@forecast$series+P6ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6ae12gedESST<-P6ae12gedFORE@forecast$series+P6ae12gedFORE@forecast$sigma*integrate(fP6ae12gedFIT, 0, 0.025)$value/0.025
P6ae12gedBMST<-ESTest(0.025, datP6aretOUTSA$P6aretOUTSA, P6ae12gedESST,P6ae12gedVRST, boot=TRUE)
```

Portfolio 7a: Bonds and Equities and Private Equtiy

```
P7aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+0.05*datDAXPretINSA$rev.DAXPretINSA
P7aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+0.05*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7aretINSA)
datP7aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7aretOUTSA)
summary(ur.df(datP7aretINSA$P7aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7aretINSA$P7aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7aretINSA$P7aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7aretINSA$P7aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7aretINSA$P7aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7a<-auto.arima(datP7aretINSA$P7aretINSA, stationary=TRUE, allowmean=FALSE)
P7ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7ae12gedFIT<-ugarchfit(spec=P7ae12ged,data=datP7aretINSA$P7aretINSA)
P7ae12gedFORE<-ugarchforecast(P7ae12gedFIT,n.ahead=181)
P7ae12gedVRST<-P7ae12gedFORE@forecast$series+P7ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP7ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7ae12gedESST<-P7ae12gedFORE@forecast$series+P7ae12gedFORE@forecast$sigma*integrate(fP7ae12gedFIT, 0, 0.025)$value/0.025
P7ae12gedBMST<-ESTest(0.025, datP7aretOUTSA$P7aretOUTSA, P7ae12gedESST,P7ae12gedVRST, boot=TRUE)
```

Portfolio 8a: Bonds and Equities and Emotionals

```
P8aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEBEretINSA$rev.SEBEretINSA+(0.05/2)*datSEAPretINSA$rev.SEAPretINSA
P8aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.05/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.05/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8aretINSA)
datP8aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8aretOUTSA)
summary(ur.df(datP8aretINSA$P8aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8aretINSA$P8aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8aretINSA$P8aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8aretINSA$P8aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8aretINSA$P8aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8a<-auto.arima(datP8aretINSA$P8aretINSA, stationary=TRUE, allowmean=FALSE)
P8ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8ae12gedFIT<-ugarchfit(spec=P8ae12ged,data=datP8aretINSA$P8aretINSA)
P8ae12gedFORE<-ugarchforecast(P8ae12gedFIT,n.ahead=181)
P8ae12gedVRST<-P8ae12gedFORE@forecast$series+P8ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8ae12gedESST<-P8ae12gedFORE@forecast$series+P8ae12gedFORE@forecast$sigma*integrate(fP8ae12gedFIT, 0, 0.025)$value/0.025
P8ae12gedBMST<-ESTest(0.025, datP8aretOUTSA$P8aretOUTSA, P8ae12gedESST,P8ae12gedVRST, boot=TRUE)
```

Portfolio 9a: Bonds and Equities and Energy

```
P9aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+0.05*datSEAEretINSA$rev.SEAEretINSA
P9aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.05*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9aretINSA)
datP9aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9aretOUTSA)
summary(ur.df(datP9aretINSA$P9aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9aretINSA$P9aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9aretINSA$P9aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9aretINSA$P9aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9aretINSA$P9aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9a<-auto.arima(datP9aretINSA$P9aretINSA, stationary=TRUE, allowmean=FALSE)
P9ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9ae12gedFIT<-ugarchfit(spec=P9ae12ged,data=datP9aretINSA$P9aretINSA)
P9ae12gedFORE<-ugarchforecast(P9ae12gedFIT,n.ahead=181)
P9ae12gedVRST<-P9ae12gedFORE@forecast$series+P9ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9ae12gedESST<-P9ae12gedFORE@forecast$series+P9ae12gedFORE@forecast$sigma*integrate(fP9ae12gedFIT, 0, 0.025)$value/0.025
P9ae12gedBMST<-ESTest(0.025, datP9aretOUTSA$P9aretOUTSA, P9ae12gedESST,P9ae12gedVRST, boot=TRUE)
```

Portfolio 10a: Bonds and Equities and Oil

```
P10aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEOGretINSA$rev.SEOGretINSA+(0.05/2)*datSEOEretINSA$rev.SEOEretINSA
P10aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.05/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.05/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10aretINSA)
datP10aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10aretOUTSA)
summary(ur.df(datP10aretINSA$P10aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10aretINSA$P10aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10aretINSA$P10aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10aretINSA$P10aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10aretINSA$P10aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10a<-auto.arima(datP10aretINSA$P10aretINSA, stationary=TRUE, allowmean=FALSE)
P10ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10ae12gedFIT<-ugarchfit(spec=P10ae12ged,data=datP10aretINSA$P10aretINSA)
P10ae12gedFORE<-ugarchforecast(P10ae12gedFIT,n.ahead=181)
P10ae12gedVRST<-P10ae12gedFORE@forecast$series+P10ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10ae12gedESST<-P10ae12gedFORE@forecast$series+P10ae12gedFORE@forecast$sigma*integrate(fP10ae12gedFIT, 0, 0.025)$value/0.025
P10ae12gedBMST<-ESTest(0.025, datP10aretOUTSA$P10aretOUTSA, P10ae12gedESST,P10ae12gedVRST, boot=TRUE)
```

Portfolio 11a: Bonds and Equities and Telecomunication

```
P11aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEFLretINSA$rev.SEFLretINSA+(0.05/2)*datSEMOretINSA$rev.SEMOretINSA
P11aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.05/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.05/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11aretINSA)
datP11aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11aretOUTSA)
summary(ur.df(datP11aretINSA$P11aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11aretINSA$P11aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11aretINSA$P11aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11aretINSA$P11aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11aretINSA$P11aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11a<-auto.arima(datP11aretINSA$P11aretINSA, stationary=TRUE, allowmean=FALSE)
P11ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11ae12gedFIT<-ugarchfit(spec=P11ae12ged,data=datP11aretINSA$P11aretINSA)
P11ae12gedFORE<-ugarchforecast(P11ae12gedFIT,n.ahead=181)
P11ae12gedVRST<-P11ae12gedFORE@forecast$series+P11ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11ae12gedESST<-P11ae12gedFORE@forecast$series+P11ae12gedFORE@forecast$sigma*integrate(fP11ae12gedFIT, 0, 0.025)$value/0.025
P11ae12gedBMST<-ESTest(0.025, datP11aretOUTSA$P11aretOUTSA, P11ae12gedESST,P11ae12gedVRST, boot=TRUE)
```

Portfolio 12a: Bonds and Equities and Transportation and Utilities

```
P12aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*datSEAIretINSA$rev.SEAIretINSA+(0.05/4)*datSETRretINSA$rev.SETRretINSA+(0.05/4)*datSEECretINSA$rev.SEECretINSA+(0.05/4)*datSEUTretINSA$rev.SEUTretINSA
P12aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.05/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.05/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.05/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.05/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
datP12aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12aretINSA)
datP12aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12aretOUTSA)
summary(ur.df(datP12aretINSA$P12aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12aretINSA$P12aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12aretINSA$P12aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12aretINSA$P12aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12aretINSA$P12aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12a<-auto.arima(datP12aretINSA$P12aretINSA, stationary=TRUE, allowmean=FALSE)
P12ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12ae12gedFIT<-ugarchfit(spec=P12ae12ged,data=datP12aretINSA$P12aretINSA)
P12ae12gedFORE<-ugarchforecast(P12ae12gedFIT,n.ahead=181)
P12ae12gedVRST<-P12ae12gedFORE@forecast$series+P12ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12ae12gedESST<-P12ae12gedFORE@forecast$series+P12ae12gedFORE@forecast$sigma*integrate(fP12ae12gedFIT, 0, 0.025)$value/0.025
P12ae12gedBMST<-ESTest(0.025, datP12aretOUTSA$P12aretOUTSA, P12ae12gedESST,P12ae12gedVRST, boot=TRUE)
```

Portfolio 13a: Bonds and Equities and Other

```
P13aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*datSEFPretINSA$rev.SEFPretINSA+(0.05/4)*datSETEretINSA$rev.SETEretINSA+(0.05/4)*datSECHretINSA$rev.SECHretINSA+(0.05/4)*datSESOretINSA$rev.SESOretINSA
P13aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.05/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.05/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.05/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.05/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13aretINSA)
datP13aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13aretOUTSA)
summary(ur.df(datP13aretINSA$P13aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13aretINSA$P13aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13aretINSA$P13aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13aretINSA$P13aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13aretINSA$P13aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13a<-auto.arima(datP13aretINSA$P13aretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P13ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13ae12gedFIT<-ugarchfit(spec=P13ae12ged,data=datP13aretINSA$P13aretINSA)
P13ae12gedFORE<-ugarchforecast(P13ae12gedFIT,n.ahead=181)
P13ae12gedVRST<-P13ae12gedFORE@forecast$series+P13ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13ae12gedESST<-P13ae12gedFORE@forecast$series+P13ae12gedFORE@forecast$sigma*integrate(fP13ae12gedFIT, 0, 0.025)$value/0.025
P13ae12gedBMST<-ESTest(0.025, datP13aretOUTSA$P13aretOUTSA, P13ae12gedESST,P13ae12gedVRST, boot=TRUE)
```

Portfolio 14a: Bonds and Equities and REITS

```
P14aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEISretINSA$rev.SEISretINSA+(0.05/2)*datSERERetINSA$rev.SERERetINSA
P14aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSERERetOUTSA$rev.SERERetOUTSA)+(0.05/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.05/2)*datSERERetOUTSA$rev.SERERetOUTSA
datP14aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14aretINSA)
datP14aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14aretOUTSA)
summary(ur.df(datP14aretINSA$P14aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14aretINSA$P14aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14aretINSA$P14aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14aretINSA$P14aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14aretINSA$P14aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14a<-auto.arima(datP14aretINSA$P14aretINSA, stationary=TRUE, allowmean=FALSE)
P14ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14ae12gedFIT<-ugarchfit(spec=P14ae12ged,data=datP14aretINSA$P14aretINSA)
P14ae12gedFORE<-ugarchforecast(P14ae12gedFIT,n.ahead=181)
P14ae12gedVRST<-P14ae12gedFORE@forecast$series+P14ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14ae12gedESST<-P14ae12gedFORE@forecast$series+P14ae12gedFORE@forecast$sigma*integrate(fP14ae12gedFIT, 0, 0.025)$value/0.025
P14ae12gedBMST<-ESTest(0.025, datP14aretOUTSA$P14aretOUTSA, P14ae12gedESST,P14ae12gedVRST, boot=TRUE)
```

Portfolio 2b: Bonds and Equities and Food Commodities

```
P2bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/6)*datDJCCretINSA$rev.DJCCretINSA+(0.03/6)*datDJCFretINSA$rev.DJCFretINSA+(0.03/6)*datDJLHretINSA$rev.DJLHretINSA+(0.03/6)*datDJSUretINSA$rev.DJSUretINSA+(0.03/6)*datDJSOretINSA$rev.DJSOretINSA+(0.03/6)*datDJWEretINSA$rev.DJWEretINSA
P2bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.03/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.03/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.03/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.03/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.03/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2bretINSA)
datP2bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2bretOUTSA)
summary(ur.df(datP2bretINSA$P2bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2bretINSA$P2bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2bretINSA$P2bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2bretINSA$P2bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2bretINSA$P2bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2bc<-auto.arima(datP2bretINSA$P2bretINSA, stationary=TRUE, allowmean=FALSE)
P2be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2be12gedFIT<-ugarchfit(spec=P2be12ged,data=datP2bretINSA$P2bretINSA)
P2be12gedFORE<-ugarchforecast(P2be12gedFIT,n.ahead=181)
P2be12gedVRST<-P2be12gedFORE@forecast$series+P2be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2be12gedESST<-P2be12gedFORE@forecast$series+P2be12gedFORE@forecast$sigma*integrate(fP2be12gedFIT, 0, 0.025)$value/0.025
P2be12gedBMST<-ESTest(0.025, datP2bretOUTSA$P2bretOUTSA, P2be12gedESST,P2be12gedVRST, boot=TRUE)
```

Portfolio 3b: Bonds and Equities and Energy Commodities

```
P3bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*datDJPEretINSA$rev.DJPEretINSA+(0.03/2)*datDJNGretINSA$rev.DJNGretINSA
P3bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.03/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3bretINSA)
datP3bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3bretOUTSA)
summary(ur.df(datP3bretINSA$P3bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3bretINSA$P3bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3bretINSA$P3bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3bretINSA$P3bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3bretINSA$P3bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3bc<-auto.arima(datP3bretINSA$P3bretINSA, stationary=TRUE, allowmean=FALSE)
P3be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3be12gedFIT<-ugarchfit(spec=P3be12ged,data=datP3bretINSA$P3bretINSA)
P3be12gedFORE<-ugarchforecast(P3be12gedFIT,n.ahead=181)
P3be12gedVRST<-P3be12gedFORE@forecast$series+P3be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3be12gedESST<-P3be12gedFORE@forecast$series+P3be12gedFORE@forecast$sigma*integrate(fP3be12gedFIT, 0, 0.025)$value/0.025
P3be12gedBMST<-ESTest(0.025, datP3bretOUTSA$P3bretOUTSA, P3be12gedESST,P3be12gedVRST, boot=TRUE)
```

Portfolio 4b: Bonds and Equities and Metal Commodities

```
P4bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/4)*datDJALretINSA$rev.DJALretINSA+(0.03/4)*datDJSIretINSA$rev.DJSIretINSA+(0.03/4)*datDJNIretINSA$rev.DJNIretINSA+(0.03/4)*datDJZIretINSA$rev.DJZIretINSA
P4bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.03/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.03/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.03/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4bretINSA)
datP4bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4bretOUTSA)
summary(ur.df(datP4bretINSA$P4bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4bretINSA$P4bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4bretINSA$P4bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4bretINSA$P4bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4bretINSA$P4bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4bc<-auto.arima(datP4bretINSA$P4bretINSA, stationary=TRUE, allowmean=FALSE)
P4be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4be12gedFIT<-ugarchfit(spec=P4be12ged,data=datP4bretINSA$P4bretINSA)
P4be12gedFORE<-ugarchforecast(P4be12gedFIT,n.ahead=181)
P4be12gedVRST<-P4be12gedFORE@forecast$series+P4be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4be12gedESST<-P4be12gedFORE@forecast$series+P4be12gedFORE@forecast$sigma*integrate(fP4be12gedFIT, 0, 0.025)$value/0.025
P4be12gedBMST<-ESTest(0.025, datP4bretOUTSA$P4bretOUTSA, P4be12gedESST,P4be12gedVRST, boot=TRUE)
```

Portfolio 5b: Bonds and Equities and Cotton Commodities

```
P5bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03)*datDJCTretINSA$rev.DJCTretINSA
P5bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5bretINSA)
datP5bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5bretOUTSA)
summary(ur.df(datP5bretINSA$P5bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5bretINSA$P5bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5bretINSA$P5bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5bretINSA$P5bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5bretINSA$P5bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5bc<-auto.arima(datP5bretINSA$P5bretINSA, stationary=TRUE, allowmean=FALSE)
P5be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5be12gedFIT<-ugarchfit(spec=P5be12ged,data=datP5bretINSA$P5bretINSA)
P5be12gedFORE<-ugarchforecast(P5be12gedFIT,n.ahead=181)
P5be12gedVRST<-P5be12gedFORE@forecast$series+P5be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5be12gedESST<-P5be12gedFORE@forecast$series+P5be12gedFORE@forecast$sigma*integrate(fP5be12gedFIT, 0, 0.025)$value/0.025
P5be12gedBMST<-ESTest(0.025, datP5bretOUTSA$P5bretOUTSA, P5be12gedESST,P5be12gedVRST, boot=TRUE)
```

Portfolio 6b: Bonds and Equities and Crypto

```
P6bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*datBITCretINSA$rev.BITCretINSA+(0.03/2)*datLITCretINSA$rev.LITCretINSA
P6bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.03/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6bretINSA)
datP6bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6bretOUTSA)
summary(ur.df(datP6bretINSA$P6bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6bretINSA$P6bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP6bretINSA$P6bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6bretINSA$P6bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6bretINSA$P6bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6bc<-auto.arima(datP6bretINSA$P6bretINSA, stationary=TRUE, allowmean=FALSE)
P6be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6be12gedFIT<-ugarchfit(spec=P6be12ged,data=datP6bretINSA$P6bretINSA)
P6be12gedFORE<-ugarchforecast(P6be12gedFIT,n.ahead=181)
P6be12gedVRST<-P6be12gedFORE@forecast$series+P6be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6be12gedESST<-P6be12gedFORE@forecast$series+P6be12gedFORE@forecast$sigma*integrate(fP6be12gedFIT, 0, 0.025)$value/0.025
P6be12gedBMST<-ESTest(0.025, datP6bretOUTSA$P6bretOUTSA, P6be12gedESST,P6be12gedVRST, boot=TRUE)
```

Portfolio 7b: Bonds and Equities and Private Equtiy

```
P7bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+0.03*datDAXPretINSA$rev.DAXPretINSA
P7bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+0.03*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7bretINSA)
datP7bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7bretOUTSA)
summary(ur.df(datP7bretINSA$P7bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7bretINSA$P7bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7bretINSA$P7bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7bretINSA$P7bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7bretINSA$P7bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7bc<-auto.arima(datP7bretINSA$P7bretINSA, stationary=TRUE, allowmean=FALSE)
P7be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7be12gedFIT<-ugarchfit(spec=P7be12ged,data=datP7bretINSA$P7bretINSA)
P7be12gedFORE<-ugarchforecast(P7be12gedFIT,n.ahead=181)
P7be12gedVRST<-P7be12gedFORE@forecast$series+P7be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP7be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7be12gedESST<-P7be12gedFORE@forecast$series+P7be12gedFORE@forecast$sigma*integrate(fP7be12gedFIT, 0, 0.025)$value/0.025
P7be12gedBMST<-ESTest(0.025, datP7bretOUTSA$P7bretOUTSA, P7be12gedESST,P7be12gedVRST, boot=TRUE)
```

Portfolio 8b: Bonds and Equities and Emotionals

```
P8bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEBEretINSA$rev.SEBEretINSA-datSEAPretINSA$rev.SEAPretINSA)+(0.03/2)*datSEBEretINSA$rev.SEBEretINSA+(0.03/2)*datSEAPretINSA$rev.SEAPretINSA
P8bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.03/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.03/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8bretINSA)
datP8bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8bretOUTSA)
summary(ur.df(datP8bretINSA$P8bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8bretINSA$P8bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8bretINSA$P8bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8bretINSA$P8bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8bretINSA$P8bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8bc<-auto.arima(datP8bretINSA$P8bretINSA, stationary=TRUE, allowmean=FALSE)
P8be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8be12gedFIT<-ugarchfit(spec=P8be12ged,data=datP8bretINSA$P8bretINSA)
P8be12gedFORE<-ugarchforecast(P8be12gedFIT,n.ahead=181)
P8be12gedVRST<-P8be12gedFORE@forecast$series+P8be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8be12gedESST<-P8be12gedFORE@forecast$series+P8be12gedFORE@forecast$sigma*integrate(fP8be12gedFIT, 0, 0.025)$value/0.025
P8be12gedBMST<-ESTest(0.025, datP8bretOUTSA$P8bretOUTSA, P8be12gedESST,P8be12gedVRST, boot=TRUE)
```

Portfolio 9b: Bonds and Equities and Energy

```
P9bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEAEretINSA$rev.SEAEretINSA)+0.03*datSEAEretINSA$rev.SEAEretINSA
P9bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.03*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9bretINSA)
datP9bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9bretOUTSA)
summary(ur.df(datP9bretINSA$P9bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9bretINSA$P9bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9bretINSA$P9bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9bretINSA$P9bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9bretINSA$P9bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9bc<-auto.arima(datP9bretINSA$P9bretINSA, stationary=TRUE, allowmean=FALSE)
P9be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9be12gedFIT<-ugarchfit(spec=P9be12ged,data=datP9bretINSA$P9bretINSA)
P9be12gedFORE<-ugarchforecast(P9be12gedFIT,n.ahead=181)
P9be12gedVRST<-P9be12gedFORE@forecast$series+P9be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9be12gedESST<-P9be12gedFORE@forecast$series+P9be12gedFORE@forecast$sigma*integrate(fP9be12gedFIT, 0, 0.025)$value/0.025
P9be12gedBMST<-ESTest(0.025, datP9bretOUTSA$P9bretOUTSA, P9be12gedESST,P9be12gedVRST, boot=TRUE)
```

Portfolio 10b: Bonds and Equities and Oil

```
P10bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEOGretINSA$rev.SEOGretINSA-datSEOEretINSA$rev.SEOEretINSA)+(0.03/2)*datSEOGretINSA$rev.SEOGretINSA+(0.03/2)*datSEOEretINSA$rev.SEOEretINSA
P10bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.03/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.03/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10bretINSA)
datP10bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10bretOUTSA)
summary(ur.df(datP10bretINSA$P10bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10bretINSA$P10bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10bretINSA$P10bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10bretINSA$P10bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10bretINSA$P10bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10bc<-auto.arima(datP10bretINSA$P10bretINSA, stationary=TRUE, allowmean=FALSE)
P10be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10be12gedFIT<-ugarchfit(spec=P10be12ged,data=datP10bretINSA$P10bretINSA)
P10be12gedFORE<-ugarchforecast(P10be12gedFIT,n.ahead=181)
P10be12gedVRST<-P10be12gedFORE@forecast$series+P10be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10be12gedESST<-P10be12gedFORE@forecast$series+P10be12gedFORE@forecast$sigma*integrate(fP10be12gedFIT, 0, 0.025)$value/0.025
P10be12gedBMST<-ESTest(0.025, datP10bretOUTSA$P10bretOUTSA, P10be12gedESST,P10be12gedVRST, boot=TRUE)
```

Portfolio 11b: Bonds and Equities and Telecomunication

```
P11bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEFLretINSA$rev.SEFLretINSA-datSEMOretINSA$rev.SEMOretINSA)+(0.03/2)*datSEFLretINSA$rev.SEFLretINSA+(0.03/2)*datSEMOretINSA$rev.SEMOretINSA
P11bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.03/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.03/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11bretINSA)
datP11bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11bretOUTSA)
summary(ur.df(datP11bretINSA$P11bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11bretINSA$P11bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11bretINSA$P11bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11bretINSA$P11bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11bretINSA$P11bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11bc<-auto.arima(datP11bretINSA$P11bretINSA, stationary=TRUE, allowmean=FALSE)
P11be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11be12gedFIT<-ugarchfit(spec=P11be12ged,data=datP11bretINSA$P11bretINSA)
P11be12gedFORE<-ugarchforecast(P11be12gedFIT,n.ahead=181)
P11be12gedVRST<-P11be12gedFORE@forecast$series+P11be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11be12gedESST<-P11be12gedFORE@forecast$series+P11be12gedFORE@forecast$sigma*integrate(fP11be12gedFIT, 0, 0.025)$value/0.025
P11be12gedBMST<-ESTest(0.025, datP11bretOUTSA$P11bretOUTSA, P11be12gedESST,P11be12gedVRST, boot=TRUE)
```

Portfolio 12b: Bonds and Equities and Transportation and Utilities

```
P12bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEAIretINSA$rev.SEAIretINSA-datSETRretINSA$rev.SETRretINSA-datSEECretINSA$rev.SEECretINSA-datSEUTretINSA$rev.SEUTretINSA)+(0.03/4)*datSEAIretINSA$rev.SEAIretINSA+(0.03/4)*datSETRretINSA$rev.SETRretINSA+(0.03/4)*datSEECretINSA$rev.SEECretINSA+(0.03/4)*datSEUTretINSA$rev.SEUTretINSA
P12bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.03/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.03/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.03/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.03/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
datP12bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12bretINSA)
datP12bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12bretOUTSA)
summary(ur.df(datP12bretINSA$P12bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12bretINSA$P12bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12bretINSA$P12bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12bretINSA$P12bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12bretINSA$P12bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12bc<-auto.arima(datP12bretINSA$P12bretINSA, stationary=TRUE, allowmean=FALSE)
P12be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12be12gedFIT<-ugarchfit(spec=P12be12ged,data=datP12bretINSA$P12bretINSA)
P12be12gedFORE<-ugarchforecast(P12be12gedFIT,n.ahead=181)
P12be12gedVRST<-P12be12gedFORE@forecast$series+P12be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12be12gedESST<-P12be12gedFORE@forecast$series+P12be12gedFORE@forecast$sigma*integrate(fP12be12gedFIT, 0, 0.025)$value/0.025
P12be12gedBMST<-ESTest(0.025, datP12bretOUTSA$P12bretOUTSA, P12be12gedESST,P12be12gedVRST, boot=TRUE)
```

Portfolio 13b: Bonds and Equities and Other

```
P13bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEFPretINSA$rev.SEFPretINSA-datSETEretINSA$rev.SETEretINSA-datSECHretINSA$rev.SECHretINSA-datSESOretINSA$rev.SESOretINSA)+(0.03/4)*datSEFPretINSA$rev.SEFPretINSA+(0.03/4)*datSETEretINSA$rev.SETEretINSA+(0.03/4)*datSECHretINSA$rev.SECHretINSA+(0.03/4)*datSESOretINSA$rev.SESOretINSA
P13bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.03/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.03/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.03/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.03/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13bretINSA)
datP13bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13bretOUTSA)
summary(ur.df(datP13bretINSA$P13bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13bretINSA$P13bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13bretINSA$P13bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13bretINSA$P13bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13bretINSA$P13bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13bc<-auto.arima(datP13bretINSA$P13bretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P13be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13be12gedFIT<-ugarchfit(spec=P13be12ged,data=datP13bretINSA$P13bretINSA)
P13be12gedFORE<-ugarchforecast(P13be12gedFIT,n.ahead=181)
P13be12gedVRST<-P13be12gedFORE@forecast$series+P13be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13be12gedESST<-P13be12gedFORE@forecast$series+P13be12gedFORE@forecast$sigma*integrate(fP13be12gedFIT, 0, 0.025)$value/0.025
P13be12gedBMST<-ESTest(0.025, datP13bretOUTSA$P13bretOUTSA, P13be12gedESST,P13be12gedVRST, boot=TRUE)
```

Portfolio 14b: Bonds and Equities and REITS

```
P14bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*datSEISretINSA$rev.SEISretINSA+(0.03/2)*datSERERetINSA$rev.SERERetINSA
P14bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSERERetOUTSA$rev.SERERetOUTSA)+(0.03/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.03/2)*datSERERetOUTSA$rev.SERERetOUTSA
datP14bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14bretINSA)
datP14bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14bretOUTSA)
summary(ur.df(datP14bretINSA$P14bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14bretINSA$P14bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14bretINSA$P14bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14bretINSA$P14bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14bretINSA$P14bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14bc<-auto.arima(datP14bretINSA$P14bretINSA, stationary=TRUE, allowmean=FALSE)
P14be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14be12gedFIT<-ugarchfit(spec=P14be12ged,data=datP14bretINSA$P14bretINSA)
P14be12gedFORE<-ugarchforecast(P14be12gedFIT,n.ahead=181)
P14be12gedVRST<-P14be12gedFORE@forecast$series+P14be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14be12gedESST<-P14be12gedFORE@forecast$series+P14be12gedFORE@forecast$sigma*integrate(fP14be12gedFIT, 0, 0.025)$value/0.025
P14be12gedBMST<-ESTest(0.025, datP14bretOUTSA$P14bretOUTSA, P14be12gedESST,P14be12gedVRST, boot=TRUE)
```

Portfolio 2c: Bonds and Equities and Food Commodities

```
P2cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/6)*datDJCCretINSA$rev.DJCCretINSA+(0.01/6)*datDJCFretINSA$rev.DJCFretINSA+(0.01/6)*datDJLHretINSA$rev.DJLHretINSA+(0.01/6)*datDJSUretINSA$rev.DJSUretINSA+(0.01/6)*datDJSOretINSA$rev.DJSOretINSA+(0.01/6)*datDJWEretINSA$rev.DJWEretINSA
P2cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.01/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.01/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.01/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.01/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.01/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2cretINSA)
datP2cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2cretOUTSA)
summary(ur.df(datP2cretINSA$P2cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2cretINSA$P2cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2cretINSA$P2cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2cretINSA$P2cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2cretINSA$P2cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2cc<-auto.arima(datP2cretINSA$P2cretINSA, stationary=TRUE, allowmean=FALSE)
P2ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2ce12gedFIT<-ugarchfit(spec=P2ce12ged,data=datP2cretINSA$P2cretINSA)
P2ce12gedFORE<-ugarchforecast(P2ce12gedFIT,n.ahead=181)
P2ce12gedVRST<-P2ce12gedFORE@forecast$series+P2ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2ce12gedESST<-P2ce12gedFORE@forecast$series+P2ce12gedFORE@forecast$sigma*integrate(fP2ce12gedFIT, 0, 0.025)$value/0.025
P2ce12gedBMST<-ESTest(0.025, datP2cretOUTSA$P2cretOUTSA, P2ce12gedESST,P2ce12gedVRST, boot=TRUE)
```

Portfolio 3c: Bonds and Equities and Energy Commodities

```
P3cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/2)*datDJPEretINSA$rev.DJPEretINSA+(0.01/2)*datDJNGretINSA$rev.DJNGretINSA
P3cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.01/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3cretINSA)
datP3cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3cretOUTSA)
summary(ur.df(datP3cretINSA$P3cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3cretINSA$P3cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3cretINSA$P3cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3cretINSA$P3cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3cretINSA$P3cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3cc<-auto.arima(datP3cretINSA$P3cretINSA, stationary=TRUE, allowmean=FALSE)
P3ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3ce12gedFIT<-ugarchfit(spec=P3ce12ged,data=datP3cretINSA$P3cretINSA)
P3ce12gedFORE<-ugarchforecast(P3ce12gedFIT,n.ahead=181)
P3ce12gedVRST<-P3ce12gedFORE@forecast$series+P3ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3ce12gedESST<-P3ce12gedFORE@forecast$series+P3ce12gedFORE@forecast$sigma*integrate(fP3ce12gedFIT, 0, 0.025)$value/0.025
P3ce12gedBMST<-ESTest(0.025, datP3cretOUTSA$P3cretOUTSA, P3ce12gedESST,P3ce12gedVRST, boot=TRUE)
```

Portfolio 4c: Bonds and Equities and Metal Commodities

```
P4cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/4)*datDJALretINSA$rev.DJALretINSA+(0.01/4)*datDJSIretINSA$rev.DJSIretINSA+(0.01/4)*datDJNIretINSA$rev.DJNIretINSA+(0.01/4)*datDJZIretINSA$rev.DJZIretINSA
P4cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.01/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.01/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.01/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4cretINSA)
datP4cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4cretOUTSA)
summary(ur.df(datP4cretINSA$P4cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4cretINSA$P4cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4cretINSA$P4cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4cretINSA$P4cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4cretINSA$P4cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4cc<-auto.arima(datP4cretINSA$P4cretINSA, stationary=TRUE, allowmean=FALSE)
P4ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4ce12gedFIT<-ugarchfit(spec=P4ce12ged,data=datP4cretINSA$P4cretINSA)
P4ce12gedFORE<-ugarchforecast(P4ce12gedFIT,n.ahead=181)
P4ce12gedVRST<-P4ce12gedFORE@forecast$series+P4ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4ce12gedESST<-P4ce12gedFORE@forecast$series+P4ce12gedFORE@forecast$sigma*integrate(fP4ce12gedFIT, 0, 0.025)$value/0.025
P4ce12gedBMST<-ESTest(0.025, datP4cretOUTSA$P4cretOUTSA, P4ce12gedESST,P4ce12gedVRST, boot=TRUE)
```

Portfolio 5c: Bonds and Equities and Cotton Commodities

```
P5cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01)*datDJCTretINSA$rev.DJCTretINSA
P5cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5cretINSA)
datP5cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5cretOUTSA)
summary(ur.df(datP5cretINSA$P5cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5cretINSA$P5cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5cretINSA$P5cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5cretINSA$P5cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5cretINSA$P5cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5cc<-auto.arima(datP5cretINSA$P5cretINSA, stationary=TRUE, allowmean=FALSE)
P5ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5ce12gedFIT<-ugarchfit(spec=P5ce12ged,data=datP5cretINSA$P5cretINSA)
P5ce12gedFORE<-ugarchforecast(P5ce12gedFIT,n.ahead=181)
P5ce12gedVRST<-P5ce12gedFORE@forecast$series+P5ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5ce12gedESST<-P5ce12gedFORE@forecast$series+P5ce12gedFORE@forecast$sigma*integrate(fP5ce12gedFIT, 0, 0.025)$value/0.025
P5ce12gedBMST<-ESTest(0.025, datP5cretOUTSA$P5cretOUTSA, P5ce12gedESST,P5ce12gedVRST, boot=TRUE)
```

Portfolio 6c: Bonds and Equities and Crypto

```
P6cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/2)*datBITCretINSA$rev.BITCretINSA+(0.01/2)*datLITCretINSA$rev.LITCretINSA
P6cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.01/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6cretINSA)
datP6cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6cretOUTSA)
summary(ur.df(datP6cretINSA$P6cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6cretINSA$P6cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP6cretINSA$P6cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6cretINSA$P6cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6cretINSA$P6cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6cc<-auto.arima(datP6cretINSA$P6cretINSA, stationary=TRUE, allowmean=FALSE)
P6ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6ce12gedFIT<-ugarchfit(spec=P6ce12ged,data=datP6cretINSA$P6cretINSA)
P6ce12gedFORE<-ugarchforecast(P6ce12gedFIT,n.ahead=181)
P6ce12gedVRST<-P6ce12gedFORE@forecast$series+P6ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6ce12gedESST<-P6ce12gedFORE@forecast$series+P6ce12gedFORE@forecast$sigma*integrate(fP6ce12gedFIT, 0, 0.025)$value/0.025
P6ce12gedBMST<-ESTest(0.025, datP6cretOUTSA$P6cretOUTSA, P6ce12gedESST,P6ce12gedVRST, boot=TRUE)
```

Portfolio 7c: Bonds and Equities and Private Equtiy

```
P7cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+0.01*datDAXPretINSA$rev.DAXPretINSA
P7cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+0.01*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7cretINSA)
datP7cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7cretOUTSA)
summary(ur.df(datP7cretINSA$P7cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7cretINSA$P7cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7cretINSA$P7cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7cretINSA$P7cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7cretINSA$P7cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7cc<-auto.arima(datP7cretINSA$P7cretINSA, stationary=TRUE, allowmean=FALSE)
P7ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7ce12gedFIT<-ugarchfit(spec=P7ce12ged,data=datP7cretINSA$P7cretINSA)
P7ce12gedFORE<-ugarchforecast(P7ce12gedFIT,n.ahead=181)
P7ce12gedVRST<-P7ce12gedFORE@forecast$series+P7ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP7ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7ce12gedESST<-P7ce12gedFORE@forecast$series+P7ce12gedFORE@forecast$sigma*integrate(fP7ce12gedFIT, 0, 0.025)$value/0.025
P7ce12gedBMST<-ESTest(0.025, datP7cretOUTSA$P7cretOUTSA, P7ce12gedESST,P7ce12gedVRST, boot=TRUE)
```

Portfolio 8c: Bonds and Equities and Emotionals

```
P8cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEBEretINSA$rev.SEBEretINSA+(0.01/2)*datSEAPretINSA$rev.SEAPretINSA
P8cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.01/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.01/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8cretINSA)
datP8cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8cretOUTSA)
summary(ur.df(datP8cretINSA$P8cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8cretINSA$P8cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8cretINSA$P8cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8cretINSA$P8cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8cretINSA$P8cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8cc<-auto.arima(datP8cretINSA$P8cretINSA, stationary=TRUE, allowmean=FALSE)
P8ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8ce12gedFIT<-ugarchfit(spec=P8ce12ged,data=datP8cretINSA$P8cretINSA)
P8ce12gedFORE<-ugarchforecast(P8ce12gedFIT,n.ahead=181)
P8ce12gedVRST<-P8ce12gedFORE@forecast$series+P8ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8ce12gedESST<-P8ce12gedFORE@forecast$series+P8ce12gedFORE@forecast$sigma*integrate(fP8ce12gedFIT, 0, 0.025)$value/0.025
P8ce12gedBMST<-ESTest(0.025, datP8cretOUTSA$P8cretOUTSA, P8ce12gedESST,P8ce12gedVRST, boot=TRUE)
```

Portfolio 9c: Bonds and Equities and Energy

```
P9cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+0.01*datSEAEretINSA$rev.SEAEretINSA
P9cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.01*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9cretINSA)
datP9cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9cretOUTSA)
summary(ur.df(datP9cretINSA$P9cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9cretINSA$P9cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9cretINSA$P9cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9cretINSA$P9cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9cretINSA$P9cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9cc<-auto.arima(datP9cretINSA$P9cretINSA, stationary=TRUE, allowmean=FALSE)
P9ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9ce12gedFIT<-ugarchfit(spec=P9ce12ged,data=datP9cretINSA$P9cretINSA)
P9ce12gedFORE<-ugarchforecast(P9ce12gedFIT,n.ahead=181)
P9ce12gedVRST<-P9ce12gedFORE@forecast$series+P9ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9ce12gedESST<-P9ce12gedFORE@forecast$series+P9ce12gedFORE@forecast$sigma*integrate(fP9ce12gedFIT, 0, 0.025)$value/0.025
P9ce12gedBMST<-ESTest(0.025, datP9cretOUTSA$P9cretOUTSA, P9ce12gedESST,P9ce12gedVRST, boot=TRUE)
```

Portfolio 10c: Bonds and Equities and Oil

```
P10cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEOGretINSA$rev.SEOGretINSA+(0.01/2)*datSEOEretINSA$rev.SEOEretINSA
P10cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.01/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.01/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10cretINSA)
datP10cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10cretOUTSA)
summary(ur.df(datP10cretINSA$P10cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10cretINSA$P10cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10cretINSA$P10cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10cretINSA$P10cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10cretINSA$P10cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10cc<-auto.arima(datP10cretINSA$P10cretINSA, stationary=TRUE, allowmean=FALSE)
P10ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10ce12gedFIT<-ugarchfit(spec=P10ce12ged,data=datP10cretINSA$P10cretINSA)
P10ce12gedFORE<-ugarchforecast(P10ce12gedFIT,n.ahead=181)
P10ce12gedVRST<-P10ce12gedFORE@forecast$series+P10ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10ce12gedESST<-P10ce12gedFORE@forecast$series+P10ce12gedFORE@forecast$sigma*integrate(fP10ce12gedFIT, 0, 0.025)$value/0.025
P10ce12gedBMST<-ESTest(0.025, datP10cretOUTSA$P10cretOUTSA, P10ce12gedESST,P10ce12gedVRST, boot=TRUE)
```

Portfolio 11c: Bonds and Equities and Telecomunication

```
P11cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEFLretINSA$rev.SEFLretINSA+(0.01/2)*datSEMOretINSA$rev.SEMOretINSA
P11cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.01/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.01/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11cretINSA)
datP11cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11cretOUTSA)
summary(ur.df(datP11cretINSA$P11cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11cretINSA$P11cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11cretINSA$P11cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11cretINSA$P11cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11cretINSA$P11cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11cc<-auto.arima(datP11cretINSA$P11cretINSA, stationary=TRUE, allowmean=FALSE)
P11ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11ce12gedFIT<-ugarchfit(spec=P11ce12ged,data=datP11cretINSA$P11cretINSA)
P11ce12gedFORE<-ugarchforecast(P11ce12gedFIT,n.ahead=181)
P11ce12gedVRST<-P11ce12gedFORE@forecast$series+P11ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11ce12gedESST<-P11ce12gedFORE@forecast$series+P11ce12gedFORE@forecast$sigma*integrate(fP11ce12gedFIT, 0, 0.025)$value/0.025
P11ce12gedBMST<-ESTest(0.025, datP11cretOUTSA$P11cretOUTSA, P11ce12gedESST,P11ce12gedVRST, boot=TRUE)
```

Portfolio 12c: Bonds and Equities and Transportation and Utilities

```
P12cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*datSEAIretINSA$rev.SEAIretINSA+(0.01/4)*datSETRretINSA$rev.SETRretINSA+(0.01/4)*datSEECretINSA$rev.SEECretINSA+(0.01/4)*datSEUTretINSA$rev.SEUTretINSA
P12cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.01/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.01/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.01/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.01/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
datP12cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12cretINSA)
datP12cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12cretOUTSA)
summary(ur.df(datP12cretINSA$P12cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12cretINSA$P12cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12cretINSA$P12cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12cretINSA$P12cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12cretINSA$P12cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12cc<-auto.arima(datP12cretINSA$P12cretINSA, stationary=TRUE, allowmean=FALSE)
P12ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12ce12gedFIT<-ugarchfit(spec=P12ce12ged,data=datP12cretINSA$P12cretINSA)
P12ce12gedFORE<-ugarchforecast(P12ce12gedFIT,n.ahead=181)
P12ce12gedVRST<-P12ce12gedFORE@forecast$series+P12ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12ce12gedESST<-P12ce12gedFORE@forecast$series+P12ce12gedFORE@forecast$sigma*integrate(fP12ce12gedFIT, 0, 0.025)$value/0.025
P12ce12gedBMST<-ESTest(0.025, datP12cretOUTSA$P12cretOUTSA, P12ce12gedESST,P12ce12gedVRST, boot=TRUE)
```

Portfolio 13c: Bonds and Equities and Other

```
P13cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*datSEFPretINSA$rev.SEFPretINSA+(0.01/4)*datSETEretINSA$rev.SETEretINSA+(0.01/4)*datSECHretINSA$rev.SECHretINSA+(0.01/4)*datSESOretINSA$rev.SESOretINSA
P13cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.01/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.01/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.01/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.01/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13cretINSA)
datP13cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13cretOUTSA)
summary(ur.df(datP13cretINSA$P13cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13cretINSA$P13cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13cretINSA$P13cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13cretINSA$P13cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13cretINSA$P13cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13cc<-auto.arima(datP13cretINSA$P13cretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P13ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13ce12gedFIT<-ugarchfit(spec=P13ce12ged,data=datP13cretINSA$P13cretINSA)
P13ce12gedFORE<-ugarchforecast(P13ce12gedFIT,n.ahead=181)
P13ce12gedVRST<-P13ce12gedFORE@forecast$series+P13ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13ce12gedESST<-P13ce12gedFORE@forecast$series+P13ce12gedFORE@forecast$sigma*integrate(fP13ce12gedFIT, 0, 0.025)$value/0.025
P13ce12gedBMST<-ESTest(0.025, datP13cretOUTSA$P13cretOUTSA, P13ce12gedESST,P13ce12gedVRST, boot=TRUE)
```

Portfolio 14c: Bonds and Equities and REITS

```
P14cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEISretINSA$rev.SEISretINSA+(0.01/2)*datSEREretINSA$rev.SEREretINSA
P14cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSEREretOUTSA$rev.SEREretOUTSA)+(0.01/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.01/2)*datSEREretOUTSA$rev.SEREretOUTSA
datP14cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14cretINSA)
datP14cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14cretOUTSA)
summary(ur.df(datP14cretINSA$P14cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14cretINSA$P14cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14cretINSA$P14cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14cretINSA$P14cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14cretINSA$P14cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14c<-auto.arima(datP14cretINSA$P14cretINSA, stationary=TRUE, allowmean=FALSE)
P14ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14ce12gedFIT<-ugarchfit(spec=P14ce12ged,data=datP14cretINSA$P14cretINSA)
P14ce12gedFORE<-ugarchforecast(P14ce12gedFIT,n.ahead=181)
P14ce12gedVRST<-P14ce12gedFORE@forecast$series+P14ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14ce12gedESST<-P14ce12gedFORE@forecast$series+P14ce12gedFORE@forecast$sigma*integrate(fP14ce12gedFIT, 0, 0.025)$value/0.025
P14ce12gedBMST<-ESTest(0.025, datP14cretOUTSA$P14cretOUTSA, P14ce12gedESST,P14ce12gedVRST, boot=TRUE)
```

Portfolio 1

Portfolio 8r: Bonds and Equities and Emotionals

```
P8rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
P8rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datP8rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8rretINSA)
datP8rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8rretOUTSA)
summary(ur.df(datP8rretINSA$P8rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8rretINSA$P8rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8rretINSA$P8rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8rretINSA$P8rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8rretINSA$P8rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8r<-auto.arima(datP8rretINSA$P8rretINSA, stationary=TRUE, allowmean=FALSE)
P8re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8re12gedFITc-ugarchfit(spec=P8re12ged,data=datP8rretINSA$P8rretINSA)
P8re12gedFOREc-ugarchforecast(P8re12gedFIT,n.ahead=181)
P8re12gedVRSTc-P8re12gedFORE@forecast$series+P8re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP8re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8re12gedESSTc-P8re12gedFORE@forecast$series+P8re12gedFORE@forecast$sigma*integrate(FP8re12gedFIT, 0, 0.025)$value/0.025
P8re12gedBMSTc-ESTest(0.025, datP8rretOUTSA$P8rretOUTSA, P8re12gedESST,P8re12gedVRST, boot=TRUE)
```

Portfolio 9r: Bonds and Equities and Energy

```
P9rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+0.0895*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+0.0895*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9rretINSA)
datP9rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9rretOUTSA)
summary(ur.df(datP9rretINSA$P9rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9rretINSA$P9rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9rretINSA$P9rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9rretINSA$P9rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9rretINSA$P9rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9r<-auto.arima(datP9rretINSA$P9rretINSA, stationary=TRUE, allowmean=FALSE)
P9re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9re12gedFITc-ugarchfit(spec=P9re12ged,data=datP9rretINSA$P9rretINSA)
P9re12gedFOREc-ugarchforecast(P9re12gedFIT,n.ahead=181)
P9re12gedVRSTc-P9re12gedFORE@forecast$series+P9re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP9re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9re12gedESSTc-P9re12gedFORE@forecast$series+P9re12gedFORE@forecast$sigma*integrate(FP9re12gedFIT, 0, 0.025)$value/0.025
P9re12gedBMSTc-ESTest(0.025, datP9rretOUTSA$P9rretOUTSA, P9re12gedESST,P9re12gedVRST, boot=TRUE)
```

Portfolio 10r: Bonds and Equities and Oil

```
P10rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10rretINSA)
datP10rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10rretOUTSA)
summary(ur.df(datP10rretINSA$P10rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10rretINSA$P10rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10rretINSA$P10rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10rretINSA$P10rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10rretINSA$P10rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10r<-auto.arima(datP10rretINSA$P10rretINSA, stationary=TRUE, allowmean=FALSE)
P10re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10re12gedFITc-ugarchfit(spec=P10re12ged,data=datP10rretINSA$P10rretINSA)
P10re12gedFOREc-ugarchforecast(P10re12gedFIT,n.ahead=181)
P10re12gedVRSTc-P10re12gedFORE@forecast$series+P10re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP10re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10re12gedESSTc-P10re12gedFORE@forecast$series+P10re12gedFORE@forecast$sigma*integrate(FP10re12gedFIT, 0, 0.025)$value/0.025
P10re12gedBMSTc-ESTest(0.025, datP10rretOUTSA$P10rretOUTSA, P10re12gedESST,P10re12gedVRST, boot=TRUE)
```

Portfolio 11r: Bonds and Equities and Telecomunication

```
P11rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMDretINSA$rev.SEMDretINSA))
P11rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMDretOUTSA$rev.SEMDretOUTSA))
datP11rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11rretINSA)
datP11rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11rretOUTSA)
summary(ur.df(datP11rretINSA$P11rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11rretINSA$P11rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11rretINSA$P11rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11rretINSA$P11rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11rretINSA$P11rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11r<-auto.arima(datP11rretINSA$P11rretINSA, stationary=TRUE, allowmean=FALSE)
P11re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11re12gedFITc-ugarchfit(spec=P11re12ged,data=datP11rretINSA$P11rretINSA)
P11re12gedFOREc-ugarchforecast(P11re12gedFIT,n.ahead=181)
P11re12gedVRSTc-P11re12gedFORE@forecast$series+P11re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP11re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11re12gedESSTc-P11re12gedFORE@forecast$series+P11re12gedFORE@forecast$sigma*integrate(FP11re12gedFIT, 0, 0.025)$value/0.025
P11re12gedBMSTc-ESTest(0.025, datP11rretOUTSA$P11rretOUTSA, P11re12gedESST,P11re12gedVRST, boot=TRUE)
```

Portfolio 12r: Bonds and Equities and Transportation and Utilities

```
P12rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECCretOUTSA$rev.SECCretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12rretINSA)
datP12rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12rretOUTSA)
summary(ur.df(datP12rretINSA$P12rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12rretINSA$P12rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12rretINSA$P12rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12rretINSA$P12rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12rretINSA$P12rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12r<-auto.arima(datP12rretINSA$P12rretINSA, stationary=TRUE, allowmean=FALSE)
P12re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12re12gedFITc-ugarchfit(spec=P12re12ged,data=datP12rretINSA$P12rretINSA)
P12re12gedFOREc-ugarchforecast(P12re12gedFIT,n.ahead=181)
P12re12gedVRSTc-P12re12gedFORE@forecast$series+P12re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP12re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12re12gedESSTc-P12re12gedFORE@forecast$series+P12re12gedFORE@forecast$sigma*integrate(FP12re12gedFIT, 0, 0.025)$value/0.025
P12re12gedBMSTc-ESTest(0.025, datP12rretOUTSA$P12rretOUTSA, P12re12gedESST,P12re12gedVRST, boot=TRUE)
```

Portfolio 13r: Bonds and Equities and Other

```
P13rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETEretINSA$rev.SETEretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECHretINSA$rev.SECHretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETEretOUTSA$rev.SETEretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECHretOUTSA$rev.SECHretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13rretINSA)
datP13rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13rretOUTSA)
summary(ur.df(datP13rretINSA$P13rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13rretINSA$P13rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13rretINSA$P13rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13rretINSA$P13rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13rretINSA$P13rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13r<-auto.arima(datP13rretINSA$P13rretINSA, stationary=TRUE, allowmean=FALSE)
P13re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13re12gedFITc-ugarchfit(spec=P13re12ged,data=datP13rretINSA$P13rretINSA)
P13re12gedFOREc-ugarchforecast(P13re12gedFIT,n.ahead=181)
P13re12gedVRSTc-P13re12gedFORE@forecast$series+P13re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP13re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13re12gedESSTc-P13re12gedFORE@forecast$series+P13re12gedFORE@forecast$sigma*integrate(FP13re12gedFIT, 0, 0.025)$value/0.025
P13re12gedBMSTc-ESTest(0.025, datP13rretOUTSA$P13rretOUTSA, P13re12gedESST,P13re12gedVRST, boot=TRUE)
```

Portfolio 14r: Bonds and Equities and REITS

```
P14rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SEREretINSA))
P14rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEREretOUTSA$rev.SEREretOUTSA))
datP14rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14rretINSA)
datP14rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14rretOUTSA)
summary(ur.df(datP14rretINSA$P14rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14rretINSA$P14rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14rretINSA$P14rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14rretINSA$P14rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14rretINSA$P14rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14r<-auto.arima(datP14rretINSA$P14rretINSA, stationary=TRUE, allowmean=FALSE)
P14re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14re12gedFITc-ugarchfit(spec=P14re12ged,data=datP14rretINSA$P14rretINSA)
P14re12gedFOREc-ugarchforecast(P14re12gedFIT,n.ahead=181)
P14re12gedVRSTc-P14re12gedFORE@forecast$series+P14re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP14re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14re12gedESSTc-P14re12gedFORE@forecast$series+P14re12gedFORE@forecast$sigma*integrate(FP14re12gedFIT, 0, 0.025)$value/0.025
```

```
P14re12gedBMST<-ESTest(0.025, datP14rretOUTSA$P14rretOUTSA, P14re12gedESST,P14re12gedVRST, boot=TRUE)
```

Portfolio 2

Portfolio 8ar: Bonds and Equities and Emotionals

```
P8arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
P8arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datP8arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8arretINSA)
datP8arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8arretOUTSA)
summary(ur.df(datP8arretINSA$P8arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8arretINSA$P8arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8arretINSA$P8arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8arretINSA$P8arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8arretINSA$P8arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8arc-auto.arima(datP8arretINSA$P8arretINSA, stationary=TRUE, allowmean=FALSE)
P8are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8are12gedFIT<-ugarchfit(spec=P8are12ged,data=datP8arretINSA$P8arretINSA)
P8are12gedFORE<-ugarchforecast(P8are12gedFIT,n.ahead=181)
P8are12gedVRST<-P8are12gedFORE@forecast$series+P8are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8are12gedESST<-P8are12gedFORE@forecast$series+P8are12gedFORE@forecast$sigma*integrate(fP8are12gedFIT, 0, 0.025)$value/0.025
P8are12gedBMST<-ESTest(0.025, datP8arretOUTSA$P8arretOUTSA, P8are12gedESST,P8are12gedVRST, boot=TRUE)
```

Portfolio 9ar: Bonds and Equities and Energy

```
P9arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+0.05*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+0.05*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9arretINSA)
datP9arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9arretOUTSA)
summary(ur.df(datP9arretINSA$P9arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9arretINSA$P9arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9arretINSA$P9arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9arretINSA$P9arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9arretINSA$P9arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9arc-auto.arima(datP9arretINSA$P9arretINSA, stationary=TRUE, allowmean=FALSE)
P9are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9are12gedFIT<-ugarchfit(spec=P9are12ged,data=datP9arretINSA$P9arretINSA)
P9are12gedFORE<-ugarchforecast(P9are12gedFIT,n.ahead=181)
P9are12gedVRST<-P9are12gedFORE@forecast$series+P9are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9are12gedESST<-P9are12gedFORE@forecast$series+P9are12gedFORE@forecast$sigma*integrate(fP9are12gedFIT, 0, 0.025)$value/0.025
P9are12gedBMST<-ESTest(0.025, datP9arretOUTSA$P9arretOUTSA, P9are12gedESST,P9are12gedVRST, boot=TRUE)
```

Portfolio 10ar: Bonds and Equities and Oil

```
P10arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10arretINSA)
datP10arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10arretOUTSA)
summary(ur.df(datP10arretINSA$P10arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10arretINSA$P10arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10arretINSA$P10arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10arretINSA$P10arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10arretINSA$P10arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10arc-auto.arima(datP10arretINSA$P10arretINSA, stationary=TRUE, allowmean=FALSE)
P10are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10are12gedFIT<-ugarchfit(spec=P10are12ged,data=datP10arretINSA$P10arretINSA)
P10are12gedFORE<-ugarchforecast(P10are12gedFIT,n.ahead=181)
P10are12gedVRST<-P10are12gedFORE@forecast$series+P10are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10are12gedESST<-P10are12gedFORE@forecast$series+P10are12gedFORE@forecast$sigma*integrate(fP10are12gedFIT, 0, 0.025)$value/0.025
P10are12gedBMST<-ESTest(0.025, datP10arretOUTSA$P10arretOUTSA, P10are12gedESST,P10are12gedVRST, boot=TRUE)
```

Portfolio 11ar: Bonds and Equities and Telecomunication

```
P11arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMOretINSA$rev.SEMOretINSA))
P11arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMOretOUTSA$rev.SEMOretOUTSA))
datP11arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11arretINSA)
datP11arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11arretOUTSA)
summary(ur.df(datP11arretINSA$P11arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11arretINSA$P11arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11arretINSA$P11arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11arretINSA$P11arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11arretINSA$P11arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11arc-auto.arima(datP11arretINSA$P11arretINSA, stationary=TRUE, allowmean=FALSE)
P11are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11are12gedFIT<-ugarchfit(spec=P11are12ged,data=datP11arretINSA$P11arretINSA)
P11are12gedFORE<-ugarchforecast(P11are12gedFIT,n.ahead=181)
P11are12gedVRST<-P11are12gedFORE@forecast$series+P11are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11are12gedESST<-P11are12gedFORE@forecast$series+P11are12gedFORE@forecast$sigma*integrate(fP11are12gedFIT, 0, 0.025)$value/0.025
P11are12gedBMST<-EStest(0.025, datP11arretOUTSA$P11arretOUTSA, P11are12gedESST,P11are12gedVRST, boot=TRUE)
```

Portfolio 12ar: Bonds and Equities and Transportation and Utilities

```
P12arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECCretINSA$rev.SECCretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECCretOUTSA$rev.SECCretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12arretINSA)
datP12arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12arretOUTSA)
summary(ur.df(datP12arretINSA$P12arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12arretINSA$P12arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12arretINSA$P12arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12arretINSA$P12arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12arretINSA$P12arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12arc-auto.arima(datP12arretINSA$P12arretINSA, stationary=TRUE, allowmean=FALSE)
P12are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12are12gedFIT<-ugarchfit(spec=P12are12ged,data=datP12arretINSA$P12arretINSA)
P12are12gedFORE<-ugarchforecast(P12are12gedFIT,n.ahead=181)
P12are12gedVRST<-P12are12gedFORE@forecast$series+P12are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12are12gedESST<-P12are12gedFORE@forecast$series+P12are12gedFORE@forecast$sigma*integrate(fP12are12gedFIT, 0, 0.025)$value/0.025
P12are12gedBMST<-EStest(0.025, datP12arretOUTSA$P12arretOUTSA, P12are12gedESST,P12are12gedVRST, boot=TRUE)
```

Portfolio 13ar: Bonds and Equities and Other

```
P13arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEEretINSA$rev.SEEretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEHCretINSA$rev.SEHCretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEEretOUTSA$rev.SEEretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEHCretOUTSA$rev.SEHCretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13arretINSA)
datP13arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13arretOUTSA)
summary(ur.df(datP13arretINSA$P13arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13arretINSA$P13arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13arretINSA$P13arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13arretINSA$P13arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13arretINSA$P13arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13arc-auto.arima(datP13arretINSA$P13arretINSA, stationary=TRUE, allowmean=FALSE)
P13are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13are12gedFIT<-ugarchfit(spec=P13are12ged,data=datP13arretINSA$P13arretINSA)
P13are12gedFORE<-ugarchforecast(P13are12gedFIT,n.ahead=181)
P13are12gedVRST<-P13are12gedFORE@forecast$series+P13are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13are12gedESST<-P13are12gedFORE@forecast$series+P13are12gedFORE@forecast$sigma*integrate(fP13are12gedFIT, 0, 0.025)$value/0.025
P13are12gedBMST<-EStest(0.025, datP13arretOUTSA$P13arretOUTSA, P13are12gedESST,P13are12gedVRST, boot=TRUE)
```

Portfolio 14ar: Bonds and Equities and REITS

```
P14arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.089/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.089/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SERERetINSA))
P14arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.089/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.089/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSERERetOUTSA$rev.SERERetOUTSA))
datP14arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14arretINSA)
datP14arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14arretOUTSA)
summary(ur.df(datP14arretINSA$P14arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14arretINSA$P14arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14arretINSA$P14arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14arretINSA$P14arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14arretINSA$P14arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14arc-auto.arima(datP14arretINSA$P14arretINSA, stationary=TRUE, allowmean=FALSE)
P14are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14are12gedFIT<-ugarchfit(spec=P14are12ged,data=datP14arretINSA$P14arretINSA)
P14are12gedFORE<-ugarchforecast(P14are12gedFIT,n.ahead=181)
P14are12gedVRST<-P14are12gedFORE@forecast$series+P14are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP14are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14are12gedESST<-P14are12gedFORE@forecast$series=P14are12gedFORE@forecast$sigma*integrate(fP14are12gedFIT, 0, 0.025)$value/0.025
P14are12gedBMST<-ESTest(0.025, datP14arretOUTSA$P14arretOUTSA, P14are12gedESST,P14are12gedVRST, boot=TRUE)
```

Portfolio 3

Portfolio 8br: Bonds and Equities and Emotionals

```
PBbrretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
PBbrretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datPBbrretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), PBbrretINSA)
datPBbrretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), PBbrretOUTSA)
summary(ur.df(datPBbrretINSA$PBbrretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datPBbrretINSA$PBbrretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datPBbrretINSA$PBbrretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datPBbrretINSA$PBbrretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datPBbrretINSA$PBbrretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaPBbr<-auto.arima(datPBbrretINSA$PBbrretINSA, stationary=TRUE, allowmean=FALSE)
PBbre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
PBbre12gedFITc-ugarchfit(spec=PBbre12ged,data=datPBbrretINSA$PBbrretINSA)
PBbre12gedFORE<-ugarchforecast(PBbre12gedFIT,n.ahead=181)
PBbre12gedVRST<-PBbre12gedFORE@forecast$series=PBbre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fPBbre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
PBbre12gedESST<-PBbre12gedFORE@forecast$series=PBbre12gedFORE@forecast$sigma*integrate(fPBbre12gedFIT, 0, 0.025)$value/0.025
PBbre12gedBMST<-ESTest(0.025, datPBbrretOUTSA$PBbrretOUTSA, PBbre12gedESST,PBbre12gedVRST, boot=TRUE)
```

Portfolio 9br: Bonds and Equities and Energy

```
P9brretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+0.03*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9brretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+0.03*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9brretINSA)
datP9brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9brretOUTSA)
summary(ur.df(datP9brretINSA$P9brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9brretINSA$P9brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9brretINSA$P9brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9brretINSA$P9brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9brretINSA$P9brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9br<-auto.arima(datP9brretINSA$P9brretINSA, stationary=TRUE, allowmean=FALSE)
P9bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9bre12gedFITc-ugarchfit(spec=P9bre12ged,data=datP9brretINSA$P9brretINSA)
P9bre12gedFORE<-ugarchforecast(P9bre12gedFIT,n.ahead=181)
P9bre12gedVRST<-P9bre12gedFORE@forecast$series=P9bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9bre12gedESST<-P9bre12gedFORE@forecast$series=P9bre12gedFORE@forecast$sigma*integrate(fP9bre12gedFIT, 0, 0.025)$value/0.025
P9bre12gedBMST<-ESTest(0.025, datP9brretOUTSA$P9brretOUTSA, P9bre12gedESST,P9bre12gedVRST, boot=TRUE)
```

Portfolio 10br: Bonds and Equities and Oil

```
P10brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10brretINSA)
datP10brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10brretOUTSA)
summary(ur.df(datP10brretINSA$P10brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10brretINSA$P10brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10brretINSA$P10brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10brretINSA$P10brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10brretINSA$P10brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10brc<-auto.arima(datP10brretINSA$P10brretINSA, stationary=TRUE, allowmean=FALSE)
P10bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10bre12gedFITc-ugarchfit(spec=P10bre12ged,data=datP10brretINSA$P10brretINSA)
P10bre12gedFORE<-ugarchforecast(P10bre12gedFIT,n.ahead=181)
P10bre12gedVRST<-P10bre12gedFORE@forecast$series=P10bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10bre12gedESST<-P10bre12gedFORE@forecast$series=P10bre12gedFORE@forecast$sigma*integrate(fP10bre12gedFIT, 0, 0.025)$value/0.025
P10bre12gedBMST<-ESTest(0.025, datP10brretOUTSA$P10brretOUTSA, P10bre12gedESST,P10bre12gedVRST, boot=TRUE)
```

Portfolio 11br: Bonds and Equities and Telecommunication

```
P11brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMDretINSA$rev.SEMDretINSA))
P11brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMDretOUTSA$rev.SEMDretOUTSA))
datP11brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11brretINSA)
datP11brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11brretOUTSA)
summary(ur.df(datP11brretINSA$P11brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11brretINSA$P11brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11brretINSA$P11brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11brretINSA$P11brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11brretINSA$P11brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11brc<-auto.arima(datP11brretINSA$P11brretINSA, stationary=TRUE, allowmean=FALSE)
P11bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11bre12gedFITc-ugarchfit(spec=P11bre12ged,data=datP11brretINSA$P11brretINSA)
P11bre12gedFORE<-ugarchforecast(P11bre12gedFIT,n.ahead=181)
P11bre12gedVRST<-P11bre12gedFORE@forecast$series=P11bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11bre12gedESST<-P11bre12gedFORE@forecast$series=P11bre12gedFORE@forecast$sigma*integrate(fP11bre12gedFIT, 0, 0.025)$value/0.025
P11bre12gedBMST<-ESTest(0.025, datP11brretOUTSA$P11brretOUTSA, P11bre12gedESST,P11bre12gedVRST, boot=TRUE)
```

Portfolio 12br: Bonds and Equities and Transportation and Utilities

```
P12brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECCretINSA$rev.SECCretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECCretOUTSA$rev.SECCretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12brretINSA)
datP12brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12brretOUTSA)
summary(ur.df(datP12brretINSA$P12brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12brretINSA$P12brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12brretINSA$P12brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12brretINSA$P12brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12brretINSA$P12brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12brc<-auto.arima(datP12brretINSA$P12brretINSA, stationary=TRUE, allowmean=FALSE)
P12bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12bre12gedFITc-ugarchfit(spec=P12bre12ged,data=datP12brretINSA$P12brretINSA)
P12bre12gedFORE<-ugarchforecast(P12bre12gedFIT,n.ahead=181)
P12bre12gedVRST<-P12bre12gedFORE@forecast$series=P12bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12bre12gedESST<-P12bre12gedFORE@forecast$series=P12bre12gedFORE@forecast$sigma*integrate(fP12bre12gedFIT, 0, 0.025)$value/0.025
P12bre12gedBMST<-ESTest(0.025, datP12brretOUTSA$P12brretOUTSA, P12bre12gedESST,P12bre12gedVRST, boot=TRUE)
```

Portfolio 13br: Bonds and Equities and Other / Arima produced NaN in sqrt

```
P13brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETEretINSA$rev.SETEretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECHretINSA$rev.SECHretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETEretOUTSA$rev.SETEretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECHretOUTSA$rev.SECHretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13brretINSA)
datP13brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13brretOUTSA)
summary(ur.df(datP13brretINSA$P13brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13brretINSA$P13brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13brretINSA$P13brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13brretINSA$P13brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13brretINSA$P13brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13brc<-auto.arima(datP13brretINSA$P13brretINSA, stationary=TRUE, allowmean=FALSE)
P13bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13bre12gedFITc-ugarchfit(spec=P13bre12ged,data=datP13brretINSA$P13brretINSA)
P13bre12gedFORE<-ugarchforecast(P13bre12gedFIT,n.ahead=181)
P13bre12gedVRST<-P13bre12gedFORE@forecast$series=P13bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13bre12gedESST<-P13bre12gedFORE@forecast$series=P13bre12gedFORE@forecast$sigma*integrate(fP13bre12gedFIT, 0, 0.025)$value/0.025
P13bre12gedBMST<-ESTest(0.025, datP13brretOUTSA$P13brretOUTSA, P13bre12gedESST,P13bre12gedVRST, boot=TRUE)
```

Portfolio 14br: Bonds and Equities and REITS

```
P14brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SEREretINSA))
P14brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEREretOUTSA$rev.SEREretOUTSA))
datP14brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14brretINSA)
datP14brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14brretOUTSA)
summary(ur.df(datP14brretINSA$P14brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14brretINSA$P14brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14brretINSA$P14brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14brretINSA$P14brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14brretINSA$P14brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14brc<-auto.arima(datP14brretINSA$P14brretINSA, stationary=TRUE, allowmean=FALSE)
P14bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(5,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14bre12gedFITc-ugarchfit(spec=P14bre12ged,data=datP14brretINSA$P14brretINSA)
```

```
P14bre12gedFORE<-ugarchforecast(P14bre12gedFIT,n.ahead=181)
P14bre12gedVRST<-P14bre12gedFORE@forecast$series=P14bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14bre12gedESST<-P14bre12gedFORE@forecast$series=P14bre12gedFORE@forecast$sigma*integrate(fP14bre12gedFIT, 0, 0.025)$value/0.025
P14bre12gedBMST<-ESTest(0.025, datP14brretOUTSA$P14brretOUTSA, P14bre12gedESST,P14bre12gedVRST, boot=TRUE)
```

Portfolio 4

Portfolio 8cr: Bonds and Equities and Emotionals

```
P8crretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
P8crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datP8crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8crretINSA)
datP8crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8crretOUTSA)
summary(ur.df(datP8crretINSA$P8crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8crretINSA$P8crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8crretINSA$P8crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8crretINSA$P8crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8crretINSA$P8crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8crr<-auto.arima(datP8crretINSA$P8crretINSA, stationary=TRUE, allowmean=FALSE)
P8cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8cre12gedFITc<-ugarchfit(spec=P8cre12ged,data=datP8crretINSA$P8crretINSA)
P8cre12gedFORE<-ugarchforecast(P8cre12gedFIT,n.ahead=181)
P8cre12gedVRST<-P8cre12gedFORE@forecast$series=P8cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8cre12gedESST<-P8cre12gedFORE@forecast$series=P8cre12gedFORE@forecast$sigma*integrate(fP8cre12gedFIT, 0, 0.025)$value/0.025
P8cre12gedBMST<-ESTest(0.025, datP8crretOUTSA$P8crretOUTSA, P8cre12gedESST,P8cre12gedVRST, boot=TRUE)
```

Portfolio 9cr: Bonds and Equities and Energy

```
P9crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+0.01*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+0.01*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9crretINSA)
datP9crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9crretOUTSA)
summary(ur.df(datP9crretINSA$P9crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9crretINSA$P9crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9crretINSA$P9crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9crretINSA$P9crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9crretINSA$P9crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9crr<-auto.arima(datP9crretINSA$P9crretINSA, stationary=TRUE, allowmean=FALSE)
P9cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9cre12gedFITc<-ugarchfit(spec=P9cre12ged,data=datP9crretINSA$P9crretINSA)
P9cre12gedFORE<-ugarchforecast(P9cre12gedFIT,n.ahead=181)
P9cre12gedVRST<-P9cre12gedFORE@forecast$series=P9cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9cre12gedESST<-P9cre12gedFORE@forecast$series=P9cre12gedFORE@forecast$sigma*integrate(fP9cre12gedFIT, 0, 0.025)$value/0.025
P9cre12gedBMST<-ESTest(0.025, datP9crretOUTSA$P9crretOUTSA, P9cre12gedESST,P9cre12gedVRST, boot=TRUE)
```

Portfolio 10cr: Bonds and Equities and Oil

```
P10crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10crretINSA)
datP10crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10crretOUTSA)
summary(ur.df(datP10crretINSA$P10crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10crretINSA$P10crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10crretINSA$P10crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10crretINSA$P10crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10crretINSA$P10crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10crr<-auto.arima(datP10crretINSA$P10crretINSA, stationary=TRUE, allowmean=FALSE)
P10cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10cre12gedFITc<-ugarchfit(spec=P10cre12ged,data=datP10crretINSA$P10crretINSA)
P10cre12gedFORE<-ugarchforecast(P10cre12gedFIT,n.ahead=181)
P10cre12gedVRST<-P10cre12gedFORE@forecast$series=P10cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10cre12gedESST<-P10cre12gedFORE@forecast$series=P10cre12gedFORE@forecast$sigma*integrate(fP10cre12gedFIT, 0, 0.025)$value/0.025
P10cre12gedBMST<-ESTest(0.025, datP10crretOUTSA$P10crretOUTSA, P10cre12gedESST,P10cre12gedVRST, boot=TRUE)
```

Portfolio 11cr: Bonds and Equities and Telecommunication

```
P11crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMOretINSA$rev.SEMOretINSA))
P11crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMOretOUTSA$rev.SEMOretOUTSA))
datP11crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11crretINSA)
datP11crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11crretOUTSA)
summary(ur.df(datP11crretINSA$P11crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11crretINSA$P11crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11crretINSA$P11crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11crretINSA$P11crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11crretINSA$P11crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11crr<-auto.arima(datP11crretINSA$P11crretINSA, stationary=TRUE, allowmean=FALSE)
P11cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11cre12gedFITc<-ugarchfit(spec=P11cre12ged,data=datP11crretINSA$P11crretINSA)
P11cre12gedFORE<-ugarchforecast(P11cre12gedFIT,n.ahead=181)
P11cre12gedVRST<-P11cre12gedFORE@forecast$series=P11cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11cre12gedESST<-P11cre12gedFORE@forecast$series=P11cre12gedFORE@forecast$sigma*integrate(fP11cre12gedFIT, 0, 0.025)$value/0.025
P11cre12gedBMST<-ESTest(0.025, datP11crretOUTSA$P11crretOUTSA, P11cre12gedESST,P11cre12gedVRST, boot=TRUE)
```

Portfolio 12cr: Bonds and Equities and Transportation and Utilities

```
P12crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEECretINSA$rev.SEECretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECretOUTSA$rev.SECretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12crretINSA)
datP12crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12crretOUTSA)
summary(ur.df(datP12crretINSA$P12crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12crretINSA$P12crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12crretINSA$P12crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12crretINSA$P12crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12crretINSA$P12crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12crr<-auto.arima(datP12crretINSA$P12crretINSA, stationary=TRUE, allowmean=FALSE)
P12cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12cre12gedFITc<-ugarchfit(spec=P12cre12ged,data=datP12crretINSA$P12crretINSA)
P12cre12gedFORE<-ugarchforecast(P12cre12gedFIT,n.ahead=181)
P12cre12gedVRST<-P12cre12gedFORE@forecast$series=P12cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12cre12gedESST<-P12cre12gedFORE@forecast$series=P12cre12gedFORE@forecast$sigma*integrate(fP12cre12gedFIT, 0, 0.025)$value/0.025
P12cre12gedBMST<-ESTest(0.025, datP12crretOUTSA$P12crretOUTSA, P12cre12gedESST,P12cre12gedVRST, boot=TRUE)
```

Portfolio 13cr: Bonds and Equities and Other

```
P13crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETEretINSA$rev.SETEretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEChretINSA$rev.SEChretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETEretOUTSA$rev.SETEretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEChretOUTSA$rev.SEChretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13crretINSA)
datP13crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13crretOUTSA)
summary(ur.df(datP13crretINSA$P13crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13crretINSA$P13crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13crretINSA$P13crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13crretINSA$P13crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13crretINSA$P13crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13crr<-auto.arima(datP13crretINSA$P13crretINSA, stationary=TRUE, allowmean=FALSE)
P13cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13cre12gedFITc<-ugarchfit(spec=P13cre12ged,data=datP13crretINSA$P13crretINSA)
P13cre12gedFORE<-ugarchforecast(P13cre12gedFIT,n.ahead=181)
P13cre12gedVRST<-P13cre12gedFORE@forecast$series=P13cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13cre12gedESST<-P13cre12gedFORE@forecast$series=P13cre12gedFORE@forecast$sigma*integrate(fP13cre12gedFIT, 0, 0.025)$value/0.025
P13cre12gedBMST<-ESTest(0.025, datP13crretOUTSA$P13crretOUTSA, P13cre12gedESST,P13cre12gedVRST, boot=TRUE)
```

Portfolio 14cr: Bonds and Equities and REITS

```
P14crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SEREretINSA))
P14crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEREretOUTSA$rev.SEREretOUTSA))
datP14crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14crretINSA)
datP14crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14crretOUTSA)
summary(ur.df(datP14crretINSA$P14crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14crretINSA$P14crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14crretINSA$P14crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14crretINSA$P14crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14crretINSA$P14crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14crr<-auto.arima(datP14crretINSA$P14crretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P14cre12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14cre12gedFIT<-ugarchfit(spec=P14cre12ged,data=datP14crretINSA$P14crretINSA)
P14cre12gedFORE<-ugarchforecast(P14cre12gedFIT,n.ahead=181)
P14cre12gedVRST<-P14cre12gedFORE@forecast$series+P14cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14cre12gedESST<-P14cre12gedFORE@forecast$series+P14cre12gedFORE@forecast$sigma*integrate(fP14cre12gedFIT, 0, 0.025)$value/0.025
P14cre12gedBMST<-ESTest(0.025, datP14crretOUTSA$P14crretOUTSA, P14cre12gedESST,P14cre12gedVRST, boot=TRUE)
```

Extract Backtest McNeil

BACKTEST<-rbind(P1e12gedBMST, P2e12gedBMST, P3e12gedBMST, P4e12gedBMST, P5e12gedBMST, P6e12ged8MST, P7e12gedBMST, P8e12gedBMST, P9e12gedBMST, P10e12gedBMST, P11e12gedBMST, P12e12gedBMST, P13e12gedBMST, P14e12gedBMST, P2ae12gedBMST, P3ae12gedBMST, P4ae12gedBMST, P5ae12gedBMST, P6ae12gedBMST, P7ae12gedBMST, P8ae12gedBMST, P9ae12gedBMST, P10ae12gedBMST, P11ae12gedBMST, P12ae12gedBMST, P13ae12gedBMST, P14ae12gedBMST, P2be12gedBMST, P3be12gedBMST, P4be12gedBMST, P5be12gedBMST, P6be12gedBMST, P7be12gedBMST, P8be12gedBMST, P9be12gedBMST, P10be12gedBMST, P11be12gedBMST, P12be12gedBMST, P13be12gedBMST, P14be12gedBMST, P2ce12gedBMST, P3ce12gedBMST, P4ce12gedBMST, P5ce12gedBMST, P6ce12gedBMST, P7ce12gedBMST, P8ce12gedBMST, P9ce12gedBMST, P10ce12gedBMST, P11ce12gedBMST, P12ce12gedBMST, P13ce12gedBMST, P14ce12ged8MST,P8re12gedBMST, P9re12gedBMST, P10re12gedBMST, P11re12gedBMST, P12re12gedBMST, P13re12gedBMST, P14re12gedBMST, P8are12gedBMST, P9are12gedBMST, P10are12gedBMST, P11are12gedBMST, P12are12gedBMST, P13are12gedBMST, P14are12gedBMST, P8bre12gedBMST, P9bre12gedBMST, P10bre12gedBMST, P11bre12gedBMST, P12bre12gedBMST, P13bre12gedBMST, P14bre12gedBMST, P8cre12gedBMST, P9cre12gedBMST, P10cre12gedBMST, P11cre12gedBMST, P12cre12gedBMST, P13cre12gedBMST, P14cre12gedBMST)

Extract ESST

ESPORTFOLIO<-cbind(P1e12gedESST, P2e12gedESST, P3e12gedESST, P4e12gedESST, P5e12gedESST, P6e12gedESST, P7e12gedESST, P8e12gedESST, P9e12gedESST, P10e12gedESST, P11e12gedESST, P12e12gedESST, P13e12gedESST, P14e12gedESST, P2ae12gedESST, P3ae12gedESST, P4ae12gedESST, P5ae12gedESST, P6ae12gedESST, P7ae12gedESST, P8ae12gedESST, P9ae12gedESST, P10ae12gedESST, P11ae12gedESST, P12ae12gedESST, P13ae12gedESST, P14ae12gedESST, P2be12gedESST, P3be12gedESST, P4be12gedESST, P5be12gedESST, P6be12gedESST, P7be12gedESST, P8be12gedESST, P9be12gedESST, P10be12gedESST, P11be12gedESST, P12be12gedESST, P13be12gedESST, P14be12gedESST, P2ce12gedESST, P3ce12gedESST, P4ce12gedESST, P5ce12gedESST, P6ce12gedESST, P7ce12gedESST, P8ce12gedESST, P9ce12gedESST, P10ce12gedESST, P11ce12gedESST, P12ce12gedESST, P13ce12gedESST, P14ce12gedESST, P8re12gedESST, P9re12gedESST, P10re12gedESST, P11re12gedESST, P12re12gedESST, P13re12gedESST, P14re12gedESST, P8are12gedESST, P9are12gedESST, P10are12gedESST, P11are12gedESST, P12are12gedESST, P13are12gedESST, P14are12gedESST, P8bre12gedESST, P9bre12gedESST, P10bre12gedESST, P11bre12gedESST, P12bre12gedESST, P13bre12gedESST, P14bre12gedESST, P8cre12gedESST, P9cre12gedESST, P10cre12gedESST, P11cre12gedESST, P12cre12gedESST, P13cre12gedESST, P14cre12gedESST)

Extract ESST Mean

ESMEANPORTFOLIO<-rbind(mean(P1e12gedESST), mean(P2e12gedESST), mean(P3e12gedESST), mean(P4e12gedESST), mean(P5e12gedESST), mean(P6e12gedESST), mean(P7e12gedESST), mean(P8e12gedESST), mean(P9e12gedESST), mean(P10e12gedESST), mean(P11e12gedESST), mean(P12e12gedESST), mean(P13e12gedESST), mean(P14e12gedESST), mean(P2ae12gedESST), mean(P3ae12gedESST), mean(P4ae12gedESST), mean(P5ae12gedESST), mean(P6ae12gedESST), mean(P7ae12gedESST), mean(P8ae12gedESST), mean(P9ae12gedESST), mean(P10ae12gedESST), mean(P11ae12gedESST), mean(P12ae12gedESST), mean(P13ae12gedESST), mean(P14ae12gedESST), mean(P2be12gedESST), mean(P3be12gedESST), mean(P4be12gedESST), mean(P5be12gedESST), mean(P6be12gedESST), mean(P7be12gedESST), mean(P8be12gedESST), mean(P9be12gedESST), mean(P10be12gedESST), mean(P11be12gedESST), mean(P12be12gedESST), mean(P13be12gedESST), mean(P14be12gedESST), mean(P2ce12gedESST), mean(P3ce12gedESST), mean(P4ce12gedESST), mean(P5ce12gedESST), mean(P6ce12gedESST), mean(P7ce12gedESST), mean(P8ce12gedESST), mean(P9ce12gedESST), mean(P10ce12gedESST), mean(P11ce12gedESST), mean(P12ce12gedESST), mean(P13ce12gedESST), mean(P14ce12gedESST), mean(P8re12gedESST), mean(P9re12gedESST), mean(P10re12gedESST), mean(P11re12gedESST), mean(P12re12gedESST), mean(P13re12gedESST), mean(P14re12gedESST), mean(P8are12gedESST), mean(P9are12gedESST), mean(P10are12gedESST), mean(P11are12gedESST), mean(P12are12gedESST), mean(P13are12gedESST), mean(P14are12gedESST), mean(P8bre12gedESST), mean(P9bre12gedESST), mean(P10bre12gedESST), mean(P11bre12gedESST), mean(P12bre12gedESST), mean(P13bre12gedESST), mean(P14bre12gedESST), mean(P8cre12gedESST), mean(P9cre12gedESST), mean(P10cre12gedESST), mean(P11cre12gedESST), mean(P12cre12gedESST), mean(P13cre12gedESST), mean(P14cre12gedESST))

DIGITAL APPENDIX S

S_[RESULTS]_Chapter 4.7_Portfolio Expected Shortfall and Backtest

ESST Portfolio

	P1e12edEEST	P2e12edEEST	P3e12edEEST	P4e12edEEST	P5e12edEEST	P6e12edEEST	P7e12edEEST	P8e12edEEST	P9e12edEEST	P10e12edEEST	P11e12edEEST	P12e12edEEST	P13e12edEEST	P14e12edEEST	P2ae12edEEST	P3ae12edEEST	P4ae12edEEST	P5ae12edEEST	P6ae12edEEST	P7ae12edEEST
T+1	-0.002734551	-0.00286625	-0.003036883	-0.004108549	-0.00354763	-0.010252294	-0.003311934	-0.003314194	-0.004606285	-0.003395591	-0.003070911	-0.004861411	-0.002935392	-0.00260714	-0.002986482	-0.002592936	-0.003281479	-0.00319902	-0.005849832	-0.003490483
T+2	-0.002914174	-0.002137077	-0.002848575	-0.002772861	-0.002861894	-0.010072727	-0.002630999	-0.00325101	-0.004535637	-0.003355879	-0.003691086	-0.00459497	-0.002986183	-0.0031205	-0.003788214	-0.002698189	-0.003588632	-0.003289312	-0.005821671	-0.002931997
T+3	-0.002741066	-0.002353214	-0.003130068	-0.002553939	-0.002961118	-0.010188973	-0.002815768	-0.003204124	-0.00468958	-0.003386466	-0.003098564	-0.004726058	-0.002890079	-0.00279965	-0.003219211	-0.002699286	-0.003637138	-0.003280958	-0.006016642	-0.003061917
T+4	-0.002957734	-0.003260523	-0.002999073	-0.003146843	-0.003603673	-0.009917129	-0.003588977	-0.003340156	-0.004685881	-0.003369628	-0.003680166	-0.004699266	-0.003058248	-0.003175008	-0.003657582	-0.00278031	-0.003661479	-0.003325874	-0.005896168	-0.003660299
T+5	-0.00282952	-0.004242413	-0.003169712	-0.004108485	-0.004274156	-0.00993174	-0.004338389	-0.003185972	-0.004766421	-0.003382589	-0.003198428	-0.00473401	-0.002928708	-0.002949546	-0.00335167	-0.002780068	-0.003669637	-0.003327258	-0.005910566	-0.004234577
T+6	-0.002952553	-0.004344654	-0.003079454	-0.004570934	-0.004370277	-0.009975472	-0.004373238	-0.003352525	-0.004778278	-0.003379276	-0.003611111	-0.00474293	-0.003053548	-0.003182165	-0.003593072	-0.002840837	-0.003672543	-0.003361326	-0.005973718	-0.00428077
T+7	-0.002946607	-0.003660295	-0.003205974	-0.004156099	-0.003928011	-0.010028866	-0.003821741	-0.003269403	-0.004838289	-0.003381951	-0.003356811	-0.004760785	-0.003033232	-0.003111346	-0.003429969	-0.00285139	-0.003673565	-0.003368186	-0.006060223	-0.003876195
T+8	-0.00295757	-0.003003113	-0.003147596	-0.003486039	-0.003471661	-0.010063808	-0.003319792	-0.00332972	-0.004855997	-0.00338635	-0.003552693	-0.004773832	-0.003033575	-0.003176286	-0.003589704	-0.002867918	-0.003394986	-0.003367394	-0.006127394	-0.004481202
T+9	-0.003017656	-0.002850149	-0.003244536	-0.003140864	-0.003225954	-0.010094124	-0.00315174	-0.003365362	-0.004904095	-0.003383294	-0.003477074	-0.00478765	-0.003103946	-0.00322678	-0.003477852	-0.002916894	-0.003674041	-0.003404716	-0.006172422	-0.003370036
T+10	-0.003019297	-0.003086036	-0.003209126	-0.00323008	-0.003498011	-0.010123426	-0.003411966	-0.003282046	-0.004926281	-0.003391791	-0.003521793	-0.004799959	-0.00307486	-0.003261708	-0.003552789	-0.002956994	-0.003674083	-0.003426516	-0.006211059	-0.003538435
T+11	-0.003037515	-0.003497386	-0.003284729	-0.003592972	-0.00380012	-0.01015307	-0.00375699	-0.003369754	-0.004963541	-0.003385825	-0.00350238	-0.004811819	-0.003112006	-0.003290358	-0.003508267	-0.002977702	-0.003674098	-0.003437542	-0.00624675	-0.003807487
T+12	-0.003101852	-0.003735655	-0.003265548	-0.003913207	-0.003973944	-0.010182186	-0.003934189	-0.003362925	-0.004986093	-0.003396246	-0.003591327	-0.004822879	-0.003152123	-0.003347377	-0.003550814	-0.003012163	-0.003674103	-0.003455788	-0.006284308	-0.003948781
T+13	-0.003064782	-0.003635095	-0.00325595	-0.00393372	-0.003903569	-0.010210456	-0.003831492	-0.003320882	-0.005016758	-0.003389049	-0.003492205	-0.004833316	-0.003118368	-0.003344442	-0.003528431	-0.003034454	-0.003674105	-0.003467172	-0.006322642	-0.00387469
T+14	-0.003149181	-0.003367799	-0.003317776	-0.003708199	-0.003707018	-0.010237837	-0.003604201	-0.003436532	-0.005038359	-0.003400092	-0.003645688	-0.004843114	-0.003198442	-0.003414816	-0.00355308	-0.003064882	-0.003674105	-0.003482799	-0.006359986	-0.003698734
T+15	-0.003131177	-0.003184223	-0.00336642	-0.003481874	-0.003568215	-0.010264418	-0.003458598	-0.003332753	-0.00506411	-0.003392657	-0.003503547	-0.004852331	-0.003167762	-0.003414001	-0.003542408	-0.003087587	-0.003674105	-0.003493998	-0.006395548	-0.003581669
T+16	-0.003163869	-0.00318688	-0.003366475	-0.003417929	-0.00357134	-0.01029025	-0.003475285	-0.00342255	-0.005084126	-0.003403572	-0.003637131	-0.004860991	-0.0032063	-0.00346032	-0.003557084	-0.003114993	-0.003674105	-0.003507618	-0.006429428	-0.003592279
T+17	-0.003204703	-0.003325512	-0.003406705	-0.003518032	-0.003679042	-0.010315357	-0.003602187	-0.003418698	-0.00510606	-0.003396456	-0.003614267	-0.004869131	-0.003232817	-0.003486182	-0.003552516	-0.003137414	-0.003674105	-0.003518329	-0.006462009	-0.003691556
T+18	-0.003191383	-0.003468019	-0.00341241	-0.003671943	-0.003787486	-0.010339755	-0.003720216	-0.003378042	-0.005124244	-0.003406837	-0.00361354	-0.00487678	-0.003221721	-0.003505042	-0.003561566	-0.003162444	-0.003674105	-0.003530355	-0.006493549	-0.003785105
T+19	-0.003246301	-0.003503732	-0.003446109	-0.003750209	-0.003812564	-0.010363464	-0.003739738	-0.003478255	-0.005143112	-0.003400331	-0.003673475	-0.004883967	-0.003270436	-0.003542641	-0.003560102	-0.003184177	-0.003674105	-0.003540422	-0.006524114	-0.003801892
T+20	-0.00324938	-0.003430897	-0.003455148	-0.003708661	-0.003754484	-0.010386502	-0.003669194	-0.003440271	-0.005159425	-0.003409972	-0.003637712	-0.00489072	-0.003267529	-0.00355871	-0.003565921	-0.003207252	-0.003674105	-0.003551138	-0.006553682	-0.003747217
T+21	-0.003264825	-0.003334038	-0.003484405	-0.003609811	-0.003678897	-0.010408889	-0.003585821	-0.003456219	-0.005175762	-0.00340421	-0.003676582	-0.004897064	-0.003284444	-0.003585095	-0.003565968	-0.003228072	-0.003674105	-0.003560495	-0.00658223	-0.003680998
T+22	-0.003308824	-0.003291005	-0.003495782	-0.003543183	-0.00364689	-0.010430644	-0.003554956	-0.003483912	-0.005190281	-0.003413049	-0.003700222	-0.004903024	-0.00331882	-0.003612055	-0.003569883	-0.003249473	-0.003674105	-0.003570104	-0.006609773	-0.003655749
T+23	-0.003295986	-0.00331856	-0.003521445	-0.00354923	-0.003671146	-0.010451786	-0.003585886	-0.003422915	-0.005204486	-0.003408053	-0.00366748	-0.004908621	-0.003308121	-0.003626097	-0.003570608	-0.003269268	-0.003674105	-0.003578738	-0.006636348	-0.003679919
T+24	-0.003342424	-0.003378883	-0.003534263	-0.003605495	-0.003720046	-0.01047233	-0.003640708	-0.003525878	-0.005217339	-0.003416082	-0.003742356	-0.004913879	-0.003348711	-0.003655522	-0.003573364	-0.00328919	-0.003674105	-0.003587392	-0.006661994	-0.003723566
T+25	-0.003348768	-0.003419001	-0.003557141	-0.003657953	-0.003750763	-0.010492297	-0.003672314	-0.003465066	-0.005229723	-0.003418837	-0.003769625	-0.004918817	-0.003351485	-0.003670105	-0.003574339	-0.003307915	-0.003674105	-0.003595138	-0.006686745	-0.003749015
T+26	-0.00336134	-0.003413491	-0.003570768	-0.003667497	-0.003744108	-0.0105117	-0.003662154	-0.003496649	-0.005241059	-0.003419095	-0.003741258	-0.004923944	-0.003356504	-0.00369194	-0.003576361	-0.003319502	-0.003674105	-0.003603135	-0.006710629	-0.003741155
T+27	-0.003398588	-0.003378159	-0.003591445	-0.003637303	-0.003714316	-0.010530557	-0.003628294	-0.003536978	-0.005251873	-0.00341555	-0.003752236	-0.004927809	-0.003393978	-0.00371172	-0.003577374	-0.003344152	-0.003674105	-0.003610387	-0.006733672	-0.003714145
T+28	-0.003392483	-0.003347212	-0.003605439	-0.003600288	-0.003689708	-0.010548883	-0.00360227	-0.003473649	-0.005261847	-0.003422097	-0.003734332	-0.004931898	-0.003392177	-0.003725527	-0.00357891	-0.003361514	-0.003674105	-0.003617459	-0.006755897	-0.003693184
T+29	-0.003427408	-0.00334235	-0.003624341	-0.003585895	-0.003687455	-0.010566693	-0.003601535	-0.003564405	-0.005271298	-0.003419189	-0.003788105	-0.004935737	-0.003420432	-0.003746498	-0.003579861	-0.003378109	-0.003674105	-0.003624078	-0.006777333	-0.003692503
T+30	-0.003438849	-0.00336045	-0.003638392	-0.003599164	-0.00370376	-0.010584002	-0.003620372	-0.003519273	-0.005280059	-0.00342509	-0.003759915	-0.004939342	-0.003430978	-0.003760515	-0.00358106	-0.003394336	-0.003674105	-0.003630485	-0.006798004	-0.003707645
T+31	-0.00344711	-0.003382309	-0.003655832	-0.003623391	-0.003721855	-0.010600824	-0.003639862	-0.003538795	-0.005288323	-0.003432271	-0.003778093	-0.004942726	-0.003434021	-0.003776286	-0.003581591	-0.003409991	-0.003674105	-0.003637151	-0.006817935	-0.003723368
T+32	-0.003480139	-0.003390643	-0.003669728	-0.003637654	-0.00372759	-0.010617173	-0.003645119	-0.003587896	-0.005296008	-0.003428075	-0.00380608	-0.004945904	-0.003466301	-0.003792879	-0.003582865	-0.00342507	-0.003674105	-0.003642325	-0.006837151	-0.003727612
T+33	-0.00347756	-0.003382623	-0.003685936	-0.003633577	-0.003719611	-0.010633063	-0.003635648	-0.003521469	-0.005303236	-0.00342624	-0.003786541	-0.004948887	-0.003468078	-0.003804792	-0.003583604	-0.003439674	-0.003674105	-0.003647814	-0.006855676	-0.003719946
T+34	-0.003504952	-0.003368442	-0.003699534	-0.003618789	-0.003707333	-0.010648506	-0.003622265	-0.003601756	-0.005309971	-0.003431052	-0.003834292	-0.004951687	-0.003490265	-0.003820596	-0.003584375	-0.003453851	-0.003674105	-0.003653082	-0.006873531	-0.003709102
T+35	-0.003518165	-0.003360243	-0.003714682	-0.003607103	-0.003701084	-0.010663515	-0.00361601	-0.003573275	-0.005316293	-0.00342966	-0.00381103	-0.004954315	-0.003502835	-0.003832625	-0.003585008	-0.003467515	-0.003674105	-0.003658073	-0.006890741	-0.003704048
T+36	-0.003524612	-0.003362568	-0.003727888	-0.00360651	-0.003704087	-0.010678102	-0.003619802	-0.003570186	-0.005322192	-0.003434017	-0.003834735	-0.004956783	-0.003511407	-0.003845037	-0.003585637	-0.003480763	-0.003674105	-0.003662852	-0.006907326	-0.003707169
T+37	-0.003532696	-0.003370088	-0.003741708	-0.003614706	-0.003711822	-0.01069228	-0.003628319	-0.003563504	-0.005327721	-0.003433004	-0.003850281	-0.004959099	-0.003533196	-0.003857871	-0.003585812	-0.003493542	-0.003674105	-0.003667307	-0.006923307	-0.003707418
T+38	-0.00355391	-0.00337729	-0.00375486	-0.003623369	-0.003717294	-0.010706061	-0.003633985	-0.003569766	-0.00332884	-0.003436969	-0.003834873	-0.004961273	-0.003538793	-0.003868193	-0.003586689	-0.003505918	-0.003674105	-0.003671722	-0.006938706	-0.003718713
T+39	-0.003574513	-0.00337815	-0.003768248	-0.003625853	-0.00371691	-0.010719454	-0.003633226	-0.003635365	-0.00533772	-0.003436287	-0.003873304	-0.004963313	-0.003555753	-0.003880186	-0.00358714	-0.00351786	-0.003674105	-0.003675841	-0.006953542	-0.003718047
T+40	-0.003588585	-0.003373563	-0.003780515	-0.003621806	-0.003712392	-0.010732472	-0.0036282	-0.003624521	-0.003542238	-0.003439905	-0.003857147	-0.004965228	-0.003569629	-0.003890237	-0.003587566	-0.003529418	-0.003674105	-0.003679773	-0.006967834	-0.003713911
T+41	-0.003593787	-0.003368669	-0.003793152	-0.003615898	-0.003708169	-0.010745124	-0.003623752	-0.003606606	-0.005346466	-0.003439508	-0.00387429	-0.004967026	-0.003577526	-0.003900041	-0.003587944	-0.003540573	-0.003674105	-0.003683512	-0.006981602	-0.003710281
T+42	-0.003617559	-0.003367198	-0.003804914	-0.00361036	-0.003707356	-0.010757422	-0.003623084	-0.003618418	-0.005350418	-0.003442823	-0.003889984	-0.004968713	-0.003596193	-0.003908237	-0.003588397	-0.00354136	-0.003674105	-0.003687079	-0.006994863	-0.003709774
T+43	-0.003620459	-0.003368661	-0.003816851	-0.003614615	-0.003707733	-0.010769375	-0.003625763	-0.003616371	-0.00354115	-0.003442671	-0.003876465	-0.004970296	-0.003596735	-0.003918672	-0.003588612	-0.003561774	-0.003674105	-0.003690472	-0.007007635	-0.003712008
T+44	-0.003636936	-0.00337261	-0.003828114	-0.003618351	-0.003717276	-0.010780993	-0.003628949	-0.00366733	-0.00535757	-0.00344572	-0.00390853	-0.004971782	-0.003617607	-0.00392791	-0.003588905	-0.003571838	-0.003674105	-0.003693708	-0.007019935	-0.003714628
T+45	-0.003650826	-0.00337473	-0.003839424	-0.003620899	-0.003713923	-0.010792286	-0.003630116	-0.003671561	-0.005360802	-0.003445778	-0.003896751	-0.004973176	-0.003631206	-0.003936112	-0.003589168	-0.003581555	-0.003674105	-0.003696787	-0.007031781	-0.003715559
T+46	-0.003655444	-0.00337349	-0.003850169	-0.003620633	-0.003712856	-0.010803262	-0.003628883	-0.003643164	-0.005363823	-0.003448596	-0.003909784	-0.004974485	-0.003639224	-0.003943908	-0.003589411	-0.003590942	-0.003674105	-0.003699721	-0.007043187	-0.003714509
T+47	-0.003675304	-0.003371484	-0.003860885	-0.003618449	-0.003710887	-0.01081393	-0.003626772	-0.003709657	-0.005366647	-0.003448832	-0.003924335	-0.004975713	-0.003654959	-0.003951895	-0.003589631	-0.003600004	-0.003674105	-0.003702513	-0.00705417	-0.003712756
T+48	-0.00367975	-0.003370052	-0.003871132	-0.003616466	-0.003707923	-0.01082043	-0.003625589	-0.003661605	-0.005369288	-0.003451447	-0.003931211	-0.004976865	-0.003663759	-0.003958795	-0.003588883	-0.003608755	-0.003674105	-0.003705174	-0.007064745	-0.003711797
T+49	-0.003692672	-0.00337018	-0.00388129	-0.003616127	-0.003710047	-0.01083438	-0.003625996	-0.003697505	-0.005371757	-0.003451835	-0.003939423	-0.004977946	-0.003675399	-0.003965981	-0.003590015	-0.003617203	-0.003674105	-0.003707707	-0.007074926	-0.003712162
T+50	-0.00370585	-0.00337125	-0.00389105	-0.003617279	-0.00371125	-0.010844177	-0.003627293	-0.003714909	-0.005374065	-0.003454273	-0.003931408	-0.004978961	-0.003688333	-0.003972577	-0.003590183	-0.00362536	-0.003674105	-0.003710119	-0.007084727	-0.003713251
T+51	-0.003710164	-0.003372333	-0.003900684	-0.003618688	-0.003712209	-0.01085371	-0.003628284	-0.00367931	-0.005376222	-0.00345479	-0.003940992	-0.004979914	-0.00369639	-0.003978783	-0.003590335	-0.003633233	-0.003674105	-0.003712416	-0.007094162	-0.003714066
T+52	-0.00372666	-0.003372573	-0.003909973	-0.003619229	-0.003712258	-0.010862956	-0.003628298	-0.003742684	-0.005378239	-0.003457073	-0.003954489	-0.004980807	-0.003709867	-0.003985044	-0.003590474	-0.003640833	-0.003674105	-0.003714603	-0.007103245	-0.003714056
T+53	-0.00373204	-0.003372006	-0.003919111	-0.003618709	-0.003711583	-0.010871954	-0.003627566	-0.003704896	-0.005380124	-0.003457698	-0.003945258	-0.004981646	-0.003719126	-0.003990625	-0.003590601	-0.003648168	-0.003674105	-0.003716685	-0.007111987	-0.003713431
T+54	-0.003742305	-0.003372161	-0.003927945	-0.003617783	-0.003710871	-0.01088077	-0.003626824	-0.003726046	-0.005381886	-0.003458845	-0.003956124	-0.004982433	-0.003729322	-0.003996243	-0.003590717	-0.003655246	-0.003674105	-0.003718668	-0.007120401	-0.003712814
T+55	-0.003754431	-0.00337097	-0.003936614	-0.003617247	-0.003710668	-0.010889201	-0.00362663	-0.003754362	-0.005383533	-0.003460562	-0.00396148	-0.004983171	-0.003741242	-0.00400151	-0.003590823	-0.003662077	-0.003674105	-0.003720556	-0.0071285	-0.003712669
T+56	-0.003758606	-0.003371169	-0.003945011	-0.003617409	-0.003711004	-0.010897464	-0.003627	-0.003715086	-0.005385072	-0.003462589	-0.003968569	-0.004983864	-0.003749347	-0.004006448	-0.003590919	-0.003668669	-0.003674105	-0.003722353	-0.007136294	-0.00371299
T+57	-0.003772241	-0.003371642	-0.003953235	-0.003617974	-0.003711493	-0.010905497	-0.003627542	-0.003772649	-0.005386511	-0.003463383	-0.00398079	-0.004984514	-0.003760978	-0.004011362	-0.003591007	-0.003675029	-0.003674105	-0.003724064	-0.007143795	-0.003713421
T+58	-0.003778102	-0.003371942	-0.003961213	-0.003618417	-0.003711728	-0.010913304	-0.003627747	-0.003745938	-0.005387856	-0.003465304	-0.003973295	-0.004985124	-0.00377027	-0.00401584	-0.003591087	-0.003681165	-0.003674105	-0.003725693	-0.007151014	-0.003713609
T+59	-0.003786373	-0.003372189	-0.003969015	-0.003618435	-0.003711826	-0.010920894	-0.003627956	-0.003746162	-0.005389113	-0.003466102	-0.003977942	-0.004985696	-0.003777942	-0.004020353	-0.003591085	-0.003686754	-0.003674105	-0.003727243	-0.007157796	-0.003714472
T+60	-0.003797295	-0.00337614	-0.003976591	-0.003618119	-0.003711282	-0.010928271	-0.003627269	-0.00379019	-0.005390288	-0.00346799	-0.003987645	-0.004986233	-0.003790288	-0.004024434	-0.003591227	-0.003692795	-0.003674105	-0.00372872	-0.007164645	-0.003713192
T+61	-0.003801385	-0.003371378	-0.003983992	-0.00361779	-0.003711071	-0.010935442	-0.003627055	-0.00375022	-0.005391386	-0.0034689	-0.003992823	-0.004986737	-0.003798296	-0.004028357	-0.003591287	-0.003698304	-0.003674105	-0.003730125	-0.007171077	-0.003713016
T+62	-0.003812634	-0.003371346	-0.003991183	-0.003617699	-0.003711097	-0.010942413	-0.003627087	-0.003800139	-0.005392412	-0.003470646	-0.004003782	-0.004987221	-0.00380849	-0.004032218	-0.003591343	-0.003703618	-0.003674105	-0.003731463	-0.007177265	-0.003713052
T+63	-0.003818628	-0.003371491	-0.003998204	-0.003617855	-0.003711281	-0.010949188	-0.003627281	-0.003784475	-0.005393371	-0.003471599	-0.00399775	-0.004987653	-0.00381749	-0.004035791	-0.003591393	-0.003708743	-0.003674105	-0.003732736	-0.00718322	-0.00371322
T+64	-0.003825406	-0.003371659	-0.004005029	-0.00361808	-0.003711446	-0.010955775	-0.00362745	-0.003782451	-0.005394268	-0.003473272	-0.004010256	-0.00498807	-0.003825875	-0.004039263	-0.003591444	-0.003713687	-0.003674105	-0.003733949	-0.007188949	-0.003713362
T+65	-0.003835085	-0.00337172	-0.004011687	-0.003618251	-0.003711774	-0.01096178	-0.003627473	-0.003783075	-0.005395106	-0.003474426	-0.004013774	-0.004988486	-0.003827126	-0.004042501	-0.003591483	-0.003718454	-0.003674105	-0.003735103	-0.007194461	-0.003713376
T+66	-0.003839093	-0.003371655	-0.004018162	-0.003618126	-0.003711373	-0.010968401	-0.003627369	-0.003784517	-0.005395888	-0.003475867	-0.004014143	-0.004988827	-0.003843512	-0.004045687	-0.00359152	-0.003723052	-0.003674105	-0.003736201	-0.007199764	-0.003713283
T+67	-0.003848371	-0.003371545	-0.004024476	-0.003617983	-0.003711255	-0.010974451	-0.003627248	-0.003825577	-0.00539662	-0.003476884	-0.004023855	-0.004989171	-0.003852556	-0.004048722	-0.003591555	-0.003727485	-0.003674105	-0.003737247	-0.007204865	-0.00371318
T+68	-0.003854253	-0.003371483	-0.004030618	-0.003617887	-0.003711211	-0.010980332	-0.003627204	-0.003820382	-0.005397304	-0.003478433	-0.004019076	-0.004989493	-0.003861096	-0.004051561	-0.003591587	-0.003731761	-0.003674105	-0.003738242	-0.007209773	-0.003713146
T+69	-0.003859904	-0.003371504	-0.004036605	-0.003617898	-0.003711257	-0.010986049	-0.003627253	-0.003809552	-0.005397943	-0.003479472	-0.004030699	-0.004989796	-0.00386886	-0.004054298	-0.003591616	-0.003735883	-0.003674105	-0.003739189	-0.007214494	-0.003713191
T+70	-0.003868377	-0.00337157	-0.00404243	-0.003617982	-0.003711336	-0.010991606	-0.003627334	-0.003851822	-0.00539854	-0.003480968	-0.004030125	-0.00499008	-0.003877744	-0.004056913	-0.003591643	-0.003739859	-0.003674105	-0.003740091	-0.007219036	-0.003713261
T+71	-0.003872276	-0.004048324	-0.003618057	-0.00371138	-0.003997008	-0.010997038	-0.003627378	-0.003817717	-0.005399098	-0.003482024	-0.004032849	-0.004990346	-0.003885514	-0.004059379	-0.003588167	-0.003743691	-0.003674105	-0.003740949	-0.007223405	-0.003713297
T+72	-0.003879944	-0.003371623	-0.004053628	-0.003618069	-0.003711365	-0.011002259	-0.003627362	-0.003849392	-0.00539962	-0.003483472	-0.004041383	-0.004990596	-0.003893361	-0.004061768	-0.003591689	-0.003747387	-0.003674105	-0.003741766	-0.007227607	-0.003713281
T+73	-0.003885544	-0.003371586	-0.004059008	-0.003618025	-0.003711316	-0.011007363	-0.003627312	-0.003853567	-0.005400107	-0.003484541	-0.004037651	-0.004990831	-0.003901347	-0.004064018	-0.003591709	-0.003750949	-0.003674105	-0.003742543	-0.007231649	-0.003713236
T+74	-0.003890338	-0.003371549	-0.004064244	-0.003617971	-0.003711279	-0.011012325	-0.003627274	-0.003836195	-0.005400562	-0.003485947	-0.004047078	-0.004991051	-0.003908579	-0.004066175	-0.003591727	-0.003754384	-0.003674105	-0.003743283	-0.007235538	-0.003713205
T+75	-0.003897686	-0.003371538	-0.004069343	-0.003617951	-0.003711278	-0.011017149	-0.003627274	-0.003878256	-0.005400988	-0.003487024	-0.004047281	-0.004991257	-0.00391661	-0.004068244	-0.003591744	-0.003757695	-0.003674105	-0.003743988	-0.007239278	-0.003713207
T+76	-0.003901441	-0.003371556	-0.004074306	-0.003617971	-0.003711326	-0.011021837	-0.003627303	-0.003849603	-0.005401386	-0.003488391	-0.004049243	-0.004991451	-0.003923728	-0.004070881	-0.003591776	-0.003760887	-0.003674105	-0.003744658	-0.007242875	-0.003713232
T+77	-0.003907798	-0.00337581	-0.004079139	-0.003618006	-0.003711334	-0.011026395	-0.003627331	-0.003871926	-0.005401757	-0.003489474	-0.004056685	-0.004991633	-0.003931087	-0.004072071	-0.003591773	-0.003763964	-0.003674105	-0.003745296	-0.007246335	-0.003713257
T+78	-0.003913014	-0.003371593	-0.004083842	-0.003618027	-0.003711341	-0.011030826	-0.003627338	-0.003884034	-0.005402105	-0.003490805	-0.004053822	-0.004991803	-0.003938488	-0.004073851	-0.003591786	-0.00376693	-0.003674105	-0.003745903	-0.007249662	-0.003713262
T+79	-0.003917142	-0.003371587	-0.004088421	-0.00361802	-0.003711327	-0.011035133	-0.003627323	-0.003862356	-0.005402429	-0.003491891	-0.004061452	-0.004991963	-0.003945235	-0.004075552	-0.003591798	-0.003769789	-0.003674105	-0.003746481	-0.007252863	-0.003713248
T+80	-0.003923473	-0.003371571	-0.004092877	-0.003617998	-0.003711307	-0.01103932	-0.003627304	-0.003902226	-0.005402732	-0.003493189	-0.004062183	-0.004992114	-0.003952513	-0.00407718	-0.003591808	-0.003772545	-0.003674105	-0.003747031	-0.007255941	-0.003713231
T+81	-0.003927045	-0.00337156	-0.004097216	-0.003617982	-0.003711299	-0.011043391	-0.003627295	-0.003879967	-0.005403016	-0.003494275	-0.004063593	-0.004992254	-0.003959207	-0.004078722	-0.003591818	-0.003775201	-0.003674105	-0.003747555	-0.007258901	-0.003713224
T+82	-0.003932342	-0.003371561	-0.004101448	-0.003618001	-0.003711306	-0.011047347	-0.003627301	-0.003884703	-0.005403281	-0.003495544	-0.004064787	-0.004992387	-0.003965822	-0.004081308	-0.003591827	-0.003777761	-0.003674105	-0.003748053	-0.007261748	-0.003713223
T+83	-0.003937116	-0.00337157	-0.004105548	-0.003617993	-0.003711317	-0.011051194	-0.003627314	-0.003911845	-0.005403528	-0.003496628	-0.004067889	-0.004992511	-0.003972742	-0.004081608	-0.003591835	-0.003780229	-0.003674105	-0.003748527	-0.007264486	-0.003713241
T+84	-0.003940718	-0.003371578	-0.004109548	-0.003618006	-0.003711325	-0.011054933	-0.003627322	-0.003887964	-0.005403759	-0.003497869	-0.004074056	-0.004992627	-0.003979032	-0.00408295	-0.003591842	-0.003782607	-0.003674105	-0.003748979	-0.00726712	-0.003713248
T+85	-0.003946145	-0.00337158	-0.004113442	-0.003618009	-0.003711324	-0.011058567	-0.00362732	-0.003924074	-0.005403976	-0.00349895	-0.004075127	-0.004992736	-0.003985645	-0.004084233	-0.003591849	-0.003784899	-0.003674105	-0.003749408	-0.007269652	-0.003713246
T+86	-0.003949505	-0.00337175	-0.004117231	-0.003618003	-0.003711316	-0.011062101	-0.003627313	-0.003908649	-0.005404178	-0.003500165	-0.004076141	-0.004992838	-0.003991896	-0.00408545	-0.003591855	-0.003787108	-0.003674105	-0.003749817	-0.007272087	-0.003713239
T+87	-0.003953944	-0.00337157	-0.004120918	-0.003617995	-0.003711331	-0.011065536	-0.003627306	-0.003914223	-0.005404366	-0.003501241	-0.004081698	-0.004992934	-0.00399805	-0.004086616	-0.00359186	-0.003789236	-0.003674105	-0.003750206	-0.007274429	-0.003713234
T+88	-0.003958255	-0.003371577	-0.004124507	-0.003617991	-0.003711307	-0.011068874	-0.003627306	-0.003919125	-0.005404543	-0.003502432	-0.004085172	-0.004993005	-0.004003716	-0.004087276	-0.003591866	-0.003791288	-0.003674105	-0.003750576	-0.007276681	-0.003713234
T+89	-0.003961429	-0.00337156	-0.004127999	-0.003617993	-0.00371313	-0.01107212	-0.00362731	-0.003912916	-0.005404707	-0.003503502	-0.00408351	-0.004993109	-0.004010168	-0.004088783	-0.00359187	-0.003793265	-0.003674105	-0.003750928	-0.007278847	-0.003713237
T+90	-0.003966068	-0.003371573	-0.004131398	-0.003617998	-0.003711318	-0.011075276	-0.003627314	-0.003944135	-0.005404861	-0.00350467	-0.004086371	-0.004993189	-0.004016193	-0.004089794	-0.003591874	-0.00379517	-0.003674105	-0.003751264	-0.00728093	-0.003713241
T+91	-0.003969193	-0.003371575	-0.004134705	-0.003618002	-0.003711319	-0.011078343	-0.003627316	-0.003935525	-0.005405005	-0.003505733	-0.004087105	-0.004993263	-0.004021999	-0.004090755	-0.003591878	-0.003797006	-0.003674105	-0.003751583	-0.007282932	-0.003713243
T+92	-0.003972936	-0.003371575	-0.004137923	-0.003618002	-0.003711318	-0.011081325	-0.003627314	-0.003934351	-0.00540514	-0.003506848	-0.004091869	-0.004993333	-0.004027655	-0.004091674	-0.003591882	-0.003798775	-0.003674105	-0.003751886	-0.007284858	-0.003713241
T+93	-0.003976798	-0.003371556	-0.004141055	-0.003617971	-0.003711326	-0.011084224	-0.003627312	-0.003936265	-0.005405135	-0.003508043	-0.004092543	-0.004993418	-0.00403134	-0.004092549	-0.003591918	-0.003800887	-0.003674105	-0.003752175	-0.007286875	-0.003713238
T+94	-0.003979605	-0.00337571	-0.004144102	-0.003617995	-0.003711313	-0.011087042	-0.003627309	-0.003937087	-0.005405383	-0.003509062	-0.004094769	-0.00499346	-0.004038834	-0.004093382	-0.003591888	-0.003802123	-0.003674105	-0.00375245	-0.007288491	-0.003713237
T+95	-0.003983564	-0.00337157	-0.004147067	-0.003617995	-0.003711313	-0

T+168	-0.004089497	-0.003371572	-0.004238849	-0.003617998	-0.003711315	-0.01117322	-0.003627312	-0.004153453	-0.005407045	-0.00357267	-0.004152526	-0.004994385	-0.004270192	-0.004109955	-0.003591918	-0.003842635	-0.003674105	-0.003757724	-0.007330511	-0.003713239
T+169	-0.004089964	-0.003371572	-0.004239229	-0.003617998	-0.003711315	-0.011173559	-0.003627312	-0.004162384	-0.005407045	-0.003573335	-0.004152723	-0.004994385	-0.004271717	-0.004109978	-0.003591918	-0.003842735	-0.003674105	-0.003757731	-0.007330604	-0.003713239
T+170	-0.004090404	-0.003371572	-0.004239598	-0.003617998	-0.003711315	-0.011173888	-0.003627312	-0.004159572	-0.005407046	-0.003573995	-0.004153046	-0.004994386	-0.004273215	-0.00411	-0.003591918	-0.003842831	-0.003674105	-0.003757737	-0.007330694	-0.003713239
T+171	-0.004090851	-0.003371572	-0.004239957	-0.003617998	-0.003711315	-0.011174209	-0.003627312	-0.004160986	-0.005407047	-0.003574651	-0.004153156	-0.004994386	-0.004274687	-0.004110021	-0.003591918	-0.003842923	-0.003674105	-0.003757743	-0.00733078	-0.003713239
T+172	-0.00409127	-0.003371572	-0.004240307	-0.003617998	-0.003711315	-0.01117452	-0.003627312	-0.0041671 8	-0.005407047	-0.003575303	-0.004153456	-0.004994387	-0.004276134	-0.004110041	-0.003591918	-0.003843012	-0.003674105	-0.003757749	-0.007330863	-0.003713239
T+173	-0.004091686	-0.003371572	-0.004240647	-0.003617998	-0.003711315	-0.011174823	-0.003627312	-0.004161874	-0.005407048	-0.00357595	-0.00415364	-0.004994387	-0.004277554	-0.00411006	-0.003591918	-0.003843098	-0.003674105	-0.003757754	-0.007330942	-0.003713239
T+174	-0.004092094	-0.003371572	-0.004240977	-0.003617998	-0.003711315	-0.011175117	-0.003627312	-0.004169543	-0.005407048	-0.003576593	-0.004153807	-0.004994388	-0.004278951	-0.004110078	-0.003591918	-0.003843181	-0.003674105	-0.003757759	-0.007331019	-0.003713239
T+175	-0.004092479	-0.003371572	-0.004241298	-0.003617998	-0.003711315	-0.011175403	-0.003627312	-0.004168319	-0.005407049	-0.003577232	-0.004154086	-0.004994388	-0.004280323	-0.004110096	-0.003591918	-0.0038432 6	-0.003674105	-0.003757764	-0.007331092	-0.003713239
T+176	-0.004092868	-0.003371572	-0.004241611	-0.003617998	-0.003711315	-0.011175681	-0.003627312	-0.004168149	-0.005407049	-0.003577867	-0.004154189	-0.004994388	-0.004281671	-0.004110112	-0.003591918	-0.003843337	-0.003674105	-0.003757769	-0.007331163	-0.003713239
T+177	-0.004093236	-0.003371572	-0.004241915	-0.003617998	-0.003711315	-0.011175951	-0.003627312	-0.004174882	-0.00540705	-0.003578497	-0.00415444	-0.004994389	-0.004282995	-0.004110128	-0.003591918	-0.0038434 1	-0.003674105	-0.003757773	-0.007331231	-0.003713239
T+178	-0.004093598	-0.003371572	-0.00424221	-0.003617998	-0.003711315	-0.011176214	-0.003627312	-0.004169924	-0.00540705	-0.003579123	-0.004154608	-0.004994389	-0.004284296	-0.004110143	-0.003591918	-0.003843481	-0.003674105	-0.003757778	-0.007331296	-0.003713239
T+179	-0.004093955	-0.003371572	-0.004242497	-0.003617998	-0.003711315	-0.011176469	-0.003627312	-0.004176188	-0.00540705	-0.003579745	-0.00415475	-0.004994389	-0.004285574	-0.004110158	-0.003591918	-0.00384355	-0.003674105	-0.003757782	-0.007331359	-0.003713239
T+180	-0.004094292	-0.003371572	-0.004242777	-0.003617998	-0.003711315	-0.011176718	-0.003627312	-0.00417644	-0.005407051	-0.003580363	-0.00415499	-0.004994389	-0.004286831	-0.004110171	-0.003591918	-0.003843616	-0.003674105	-0.003757786	-0.00733142	-0.003713239
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-0.004028246	-0.00402042	-0.004019925	-0.00401245	-0.003999628
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-0.004028479	-0.004020742	-0.004020398	-0.004012749	-0.004000122
-0.004029867	-0.004020895	-0.004020625	-0.004012891	-0.004000358
-0.004029609	-0.004021043	-0.004020844	-0.004013029	-0.004000587
-0.004029779	-0.004021186	-0.004021057	-0.004013162	-0.00400081

Backtest McNeil Portfolio

Model	expected.exceed	actual.exceed	H1	boot.p.value	p.value	Decision
P1e12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.679166268	0.725530283	Fail to Reject H0
P2e12gedBMST	4	8	Mean of Excess Violations of VaR is greater than zero	0.999686794	0.999998306	Fail to Reject H0
P3e12gedBMST	4	12	Mean of Excess Violations of VaR is greater than zero	0.564491953	0.50843946	Fail to Reject H0
P4e12gedBMST	4	3	Mean of Excess Violations of VaR is greater than zero	0.488191129	0.556766017	Fail to Reject H0
P5e12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.952224348	0.995979411	Fail to Reject H0
P6e12gedBMST	4	10	Mean of Excess Violations of VaR is greater than zero	0.888190024	0.950496589	Fail to Reject H0
P7e12gedBMST	4	13	Mean of Excess Violations of VaR is greater than zero	0.940688995	0.988448284	Fail to Reject H0
P8e12gedBMST	4	2	Mean of Excess Violations of VaR is greater than zero	0.999595991	0.999215517	Fail to Reject H0
P9e12gedBMST	4	0	Mean of Excess Violations of VaR is greater than zero	NaN	NaN	NA
P10e12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.923408657	0.959816564	Fail to Reject H0
P11e12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.999999993	1	Fail to Reject H0
P12e12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.998563635	0.999898042	Fail to Reject H0
P13e12gedBMST	4	22	Mean of Excess Violations of VaR is greater than zero	0.642069785	0.697023437	Fail to Reject H0
P14e12gedBMST	4	2	Mean of Excess Violations of VaR is greater than zero	1	1	Fail to Reject H0
P2ae12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.872618257	0.940898115	Fail to Reject H0
P3ae12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.580801584	0.584785447	Fail to Reject H0
P4ae12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.647762894	0.680562244	Fail to Reject H0
P5ae12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.548276818	0.518624864	Fail to Reject H0
P6ae12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.887421536	0.95530863	Fail to Reject H0
P7ae12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.957812148	0.996552894	Fail to Reject H0
P8ae12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.972017431	0.998790637	Fail to Reject H0
P9ae12gedBMST	4	8	Mean of Excess Violations of VaR is greater than zero	0.945999389	0.982060596	Fail to Reject H0
P10ae12gedBMST	4	15	Mean of Excess Violations of VaR is greater than zero	0.577088249	0.558072576	Fail to Reject H0
P11ae12gedBMST	4	8	Mean of Excess Violations of VaR is greater than zero	0.491531194	0.464393742	Fail to Reject H0
P12ae12gedBMST	4	27	Mean of Excess Violations of VaR is greater than zero	0.171530894	0.085201296	Fail to Reject H0
P13ae12gedBMST	4	35	Mean of Excess Violations of VaR is greater than zero	0.006253564	0.001197659	Reject H0
P14ae12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.989343613	0.998855265	Fail to Reject H0
P2be12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.776366143	0.833385412	Fail to Reject H0
P3be12gedBMST	4	10	Mean of Excess Violations of VaR is greater than zero	0.890122801	0.956037893	Fail to Reject H0
P4be12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.604912401	0.601880079	Fail to Reject H0
P5be12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.487279896	0.486905769	Fail to Reject H0
P6be12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.945560839	0.989259367	Fail to Reject H0
P7be12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.826651556	0.88352964	Fail to Reject H0
P8be12gedBMST	4	10	Mean of Excess Violations of VaR is greater than zero	0.963956638	0.996014953	Fail to Reject H0
P9be12gedBMST	4	8	Mean of Excess Violations of VaR is greater than zero	0.283321983	0.226605493	Fail to Reject H0
P10be12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.988716066	0.998144056	Fail to Reject H0
P11be12gedBMST	4	10	Mean of Excess Violations of VaR is greater than zero	0.863951433	0.933394456	Fail to Reject H0
P12be12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.996577294	0.999954189	Fail to Reject H0
P13be12gedBMST	4	11	Mean of Excess Violations of VaR is greater than zero	0.715211103	0.774225056	Fail to Reject H0
P14be12gedBMST	4	9	Mean of Excess Violations of VaR is greater than zero	0.908912499	0.974304803	Fail to Reject H0
P2ce12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.768061365	0.828334619	Fail to Reject H0
P3ce12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.680281603	0.700414775	Fail to Reject H0
P4ce12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.607135457	0.629267309	Fail to Reject H0
P5ce12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.730170321	0.754470109	Fail to Reject H0
P6ce12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.796494648	0.847205836	Fail to Reject H0
P7ce12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.758321643	0.800332944	Fail to Reject H0
P8ce12gedBMST	4	22	Mean of Excess Violations of VaR is greater than zero	0.806926841	0.87508043	Fail to Reject H0
P9ce12gedBMST	4	15	Mean of Excess Violations of VaR is greater than zero	0.116655282	0.057986303	Fail to Reject H0
P10ce12gedBMST	4	30	Mean of Excess Violations of VaR is greater than zero	0.260677851	0.170653808	Fail to Reject H0
P11ce12gedBMST	4	23	Mean of Excess Violations of VaR is greater than zero	0.62346664	0.63623819	Fail to Reject H0
P12ce12gedBMST	4	39	Mean of Excess Violations of VaR is greater than zero	0.011014414	0.001403133	Reject H0
P13ce12gedBMST	4	43	Mean of Excess Violations of VaR is greater than zero	3.89E-05	1.83E-06	Reject H0
P14ce12gedBMST	4	16	Mean of Excess Violations of VaR is greater than zero	0.853761155	0.931777272	Fail to Reject H0
P8re12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.764993397	0.821129997	Fail to Reject H0
P9re12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.568200851	0.573487186	Fail to Reject H0
P10re12gedBMST	4	3	Mean of Excess Violations of VaR is greater than zero	0.534930875	0.654590033	Fail to Reject H0
P11re12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.65078186	0.690761094	Fail to Reject H0
P12re12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.763166675	0.818622824	Fail to Reject H0
P13re12gedBMST	4	2	Mean of Excess Violations of VaR is greater than zero	0.051190779	0.104258207	Fail to Reject H0
P14re12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.784292836	0.839130779	Fail to Reject H0
P8are12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.617998134	0.628988234	Fail to Reject H0
P9are12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.638671061	0.684491913	Fail to Reject H0
P10are12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.565657545	0.605643088	Fail to Reject H0
P11are12gedBMST	4	7	Mean of Excess Violations of VaR is greater than zero	0.769523702	0.822222613	Fail to Reject H0
P12are12gedBMST	4	7	Mean of Excess Violations of VaR is greater than zero	0.840522547	0.918742274	Fail to Reject H0
P13are12gedBMST	4	3	Mean of Excess Violations of VaR is greater than zero	0.377572975	0.316522014	Fail to Reject H0
P14are12gedBMST	4	8	Mean of Excess Violations of VaR is greater than zero	0.79265136	0.846903112	Fail to Reject H0
P8bre12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.642559549	0.68493928	Fail to Reject H0
P9bre12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.609273746	0.632543132	Fail to Reject H0
P10bre12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.644407059	0.68807371	Fail to Reject H0
P11bre12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.520456712	0.495358139	Fail to Reject H0
P12bre12gedBMST	4	7	Mean of Excess Violations of VaR is greater than zero	0.812475509	0.883951918	Fail to Reject H0
P13bre12gedBMST	4	4	Mean of Excess Violations of VaR is greater than zero	0.49125703	0.497614717	Fail to Reject H0
P14bre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.693472495	0.724278125	Fail to Reject H0
P8cre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.666400964	0.698385285	Fail to Reject H0
P9cre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.687333732	0.737941775	Fail to Reject H0
P10cre12gedBMST	4	5	Mean of Excess Violations of VaR is greater than zero	0.552507311	0.552406598	Fail to Reject H0
P11cre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.704711954	0.738930139	Fail to Reject H0
P12cre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.708888613	0.75304022	Fail to Reject H0
P13cre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.730647009	0.790737049	Fail to Reject H0
P14cre12gedBMST	4	6	Mean of Excess Violations of VaR is greater than zero	0.710765805	0.738152574	Fail to Reject H0

DIGITAL APPENDIX T

DIGITAL APPENDIX T

T_[CODE]_Chapter 4.7._Portfolio Results

Portfolio ratio of Bonds and Equities

```
Ratio taken from here: https://www.bundesbank.de/resource/blob/804004/90b3bd4bb1c20be4ffdb689f3c8c7c9b/mL/i-bilanzpositionen-der-banken-mfis-in-deutschland-data.pdf
Value of Bonds to Value of Equites at the end of insample Period: August 2018
Bonds              951522
Equities           207891
Ratio Bonds      0.82069289
Ratio Equities   0.17930711
```

Portfolio 1: Bonds and Equities only

```
P1retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.179*datSEETretINSA$rev.SEETretINSA
P1retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.179*datSEETretOUTSA$rev.SEETretOUTSA
datP1retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P1retINSA)
datP1retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P1retOUTSA)
summary(ur.df(datP1retINSA$P1retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP1retINSA$P1retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP1retINSA$P1retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP1retINSA$P1retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP1retINSA$P1retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP1<-auto.arima(datP1retINSA$P1retINSA, stationary=TRUE, allowmean=FALSE)
P1e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P1e12gedFIT<-ugarchfit(spec=P1e12ged,data=datP1retINSA$P1retINSA)
P1e12gedFORE<-ugarchforecast(P1e12gedFIT,n.ahead=181)
P1e12gedVRST<-P1e12gedFORE@forecast$series+P1e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP1e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P1e12gedESST<-P1e12gedFORE@forecast$series+P1e12gedFORE@forecast$sigma*integrate(fP1e12gedFIT, 0, 0.025)$value/0.025
P1e12gedBMST<-ESTest(0.025, datP1retOUTSA$P1retOUTSA, P1e12gedESST,P1e12gedVRST, boot=TRUE)
```

Portfolio 2: Bonds and Equities and Food Commodities

```
P2retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/6)*datDJCCretINSA$rev.DJCCretINSA+(0.0895/6)*datDJCFretINSA$rev.DJCFretINSA+(0.0895/6)*datDJLHretINSA$rev.DJLHretINSA+(0.0895/6)*datDJSUretINSA$rev.DJSUretINSA+(0.0895/6)*datDJSOretINSA$rev.DJSOretINSA+(0.0895/6)*datDJWEretINSA$rev.DJWEretINSA
P2retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.0895/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.0895/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.0895/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.0895/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.0895/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2retINSA)
datP2retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2retOUTSA)
summary(ur.df(datP2retINSA$P2retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2retINSA$P2retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2retINSA$P2retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2retINSA$P2retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2retINSA$P2retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2<-auto.arima(datP2retINSA$P2retINSA, stationary=TRUE, allowmean=FALSE)
P2e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2e12gedFIT<-ugarchfit(spec=P2e12ged,data=datP2retINSA$P2retINSA)
P2e12gedFORE<-ugarchforecast(P2e12gedFIT,n.ahead=181)
P2e12gedVRST<-P2e12gedFORE@forecast$series+P2e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2e12gedESST<-P2e12gedFORE@forecast$series+P2e12gedFORE@forecast$sigma*integrate(fP2e12gedFIT, 0, 0.025)$value/0.025
P2e12gedBMST<-ESTest(0.025, datP2retOUTSA$P2retOUTSA, P2e12gedESST,P2e12gedVRST, boot=TRUE)
```

Portfolio 3: Bonds and Equities and Energy Commodities

```
P3retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/2)*datDJPEretINSA$rev.DJPEretINSA+(0.0895/2)*datDJNGretINSA$rev.DJNGretINSA
P3retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.0895/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3retINSA)
datP3retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3retOUTSA)
summary(ur.df(datP3retINSA$P3retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3retINSA$P3retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3retINSA$P3retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3retINSA$P3retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3retINSA$P3retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3<-auto.arima(datP3retINSA$P3retINSA, stationary=TRUE, allowmean=FALSE)
P3e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3e12gedFIT<-ugarchfit(spec=P3e12ged,data=datP3retINSA$P3retINSA)
P3e12gedFORE<-ugarchforecast(P3e12gedFIT,n.ahead=181)
P3e12gedVRST<-P3e12gedFORE@forecast$series+P3e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3e12gedESST<-P3e12gedFORE@forecast$series+P3e12gedFORE@forecast$sigma*integrate(fP3e12gedFIT, 0, 0.025)$value/0.025
P3e12gedBMST<-ESTest(0.025, datP3retOUTSA$P3retOUTSA, P3e12gedESST,P3e12gedVRST, boot=TRUE)
```

Portfolio 4: Bonds and Equities and Metal Commodities

```
P4retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/4)*datDJALretINSA$rev.DJALretINSA+(0.0895/4)*datDJSIretINSA$rev.DJSIretINSA+(0.0895/4)*datDJNIretINSA$rev.DJNIretINSA+(0.0895/4)*datDJZIretINSA$rev.DJZIretINSA
P4retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.0895/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.0895/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.0895/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4retINSA)
datP4retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4retOUTSA)
summary(ur.df(datP4retINSA$P4retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4retINSA$P4retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4retINSA$P4retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4retINSA$P4retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4retINSA$P4retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4<-auto.arima(datP4retINSA$P4retINSA, stationary=TRUE, allowmean=FALSE)
P4e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4e12gedFIT<-ugarchfit(spec=P4e12ged,data=datP4retINSA$P4retINSA)
P4e12gedFORE<-ugarchforecast(P4e12gedFIT,n.ahead=181)
P4e12gedVRST<-P4e12gedFORE@forecast$series+P4e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4e12gedESST<-P4e12gedFORE@forecast$series+P4e12gedFORE@forecast$sigma*integrate(fP4e12gedFIT, 0, 0.025)$value/0.025
P4e12gedBMST<-ESTest(0.025, datP4retOUTSA$P4retOUTSA, P4e12gedESST,P4e12gedVRST, boot=TRUE)
```

Portfolio 5: Bonds and Equities and Cotton Commodities

```
P5retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895)*datDJCTretINSA$rev.DJCTretINSA
P5retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5retINSA)
datP5retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5retOUTSA)
summary(ur.df(datP5retINSA$P5retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5retINSA$P5retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5retINSA$P5retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5retINSA$P5retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5retINSA$P5retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5<-auto.arima(datP5retINSA$P5retINSA, stationary=TRUE, allowmean=FALSE)
P5e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5e12gedFIT<-ugarchfit(spec=P5e12ged,data=datP5retINSA$P5retINSA)
P5e12gedFORE<-ugarchforecast(P5e12gedFIT,n.ahead=181)
P5e12gedVRST<-P5e12gedFORE@forecast$series+P5e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5e12gedESST<-P5e12gedFORE@forecast$series+P5e12gedFORE@forecast$sigma*integrate(fP5e12gedFIT, 0, 0.025)$value/0.025
P5e12gedBMST<-ESTest(0.025, datP5retOUTSA$P5retOUTSA, P5e12gedESST,P5e12gedVRST, boot=TRUE)
```

Portfolio 6: Bonds and Equities and Crypto

```
P6retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+(0.0895/2)*datBITCretINSA$rev.BITCretINSA+(0.0895/2)*datLITCretINSA$rev.LITCretINSA
P6retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+(0.0895/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.0895/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6retINSA)
datP6retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6retOUTSA)
summary(ur.df(datP6retINSA$P6retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6retINSA$P6retINSA, type=c("mu"), lags=c("short")))
```

```
summary(ur.kpss(datP6retINSA$P6retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6retINSA$P6retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6retINSA$P6retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6<-auto.arima(datP6retINSA$P6retINSA, stationary=TRUE, allowmean=FALSE)
P6e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6e12gedFIT<-ugarchfit(spec=P6e12ged,data=datP6retINSA$P6retINSA)
P6e12gedFORE<-ugarchforecast(P6e12gedFIT,n.ahead=181)
P6e12gedVRST<-P6e12gedFORE@forecast$series+P6e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6e12gedESST<-P6e12gedFORE@forecast$series+P6e12gedFORE@forecast$sigma*integrate(fP6e12gedFIT, 0, 0.025)$value/0.025
P6e12gedBMST<-ESTest(0.025, datP6retOUTSA$P6retOUTSA, P6e12gedESST,P6e12gedVRST, boot=TRUE)
```

Portfolio 7: Bonds and Equities and Private Equtiy

```
P7retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*datSEETretINSA$rev.SEETretINSA+0.0895*datDAXPretINSA$rev.DAXPretINSA
P7retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*datSEETretOUTSA$rev.SEETretOUTSA+0.0895*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7retINSA)
datP7retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7retOUTSA)
summary(ur.df(datP7retINSA$P7retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7retINSA$P7retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7retINSA$P7retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7retINSA$P7retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7retINSA$P7retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7<-auto.arima(datP7retINSA$P7retINSA, stationary=TRUE, allowmean=FALSE)
P7e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7e12gedFIT<-ugarchfit(spec=P7e12ged,data=datP7retINSA$P7retINSA)
P7e12gedFORE<-ugarchforecast(P7e12gedFIT,n.ahead=181)
P7e12gedVRST<-P7e12gedFORE@forecast$series+P7e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP7e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7e12gedESST<-P7e12gedFORE@forecast$series+P7e12gedFORE@forecast$sigma*integrate(fP7e12gedFIT, 0, 0.025)$value/0.025
P7e12gedBMST<-ESTest(0.025, datP7retOUTSA$P7retOUTSA, P7e12gedESST,P7e12gedVRST, boot=TRUE)
```

Portfolio 8: Bonds and Equities and Emotionals

```
P8retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*datSEBEretINSA$rev.SEBEretINSA+(0.0895/2)*datSEAPretINSA$rev.SEAPretINSA
P8retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.0895/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.0895/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8retINSA)
datP8retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8retOUTSA)
summary(ur.df(datP8retINSA$P8retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8retINSA$P8retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8retINSA$P8retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8retINSA$P8retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8retINSA$P8retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8<-auto.arima(datP8retINSA$P8retINSA, stationary=TRUE, allowmean=FALSE)
P8e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8e12gedFIT<-ugarchfit(spec=P8e12ged,data=datP8retINSA$P8retINSA)
P8e12gedFORE<-ugarchforecast(P8e12gedFIT,n.ahead=181)
P8e12gedVRST<-P8e12gedFORE@forecast$series+P8e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8e12gedESST<-P8e12gedFORE@forecast$series+P8e12gedFORE@forecast$sigma*integrate(fP8e12gedFIT, 0, 0.025)$value/0.025
P8e12gedBMST<-ESTest(0.025, datP8retOUTSA$P8retOUTSA, P8e12gedESST,P8e12gedVRST, boot=TRUE)
```

Portfolio 9: Bonds and Equities and Energy

```
P9retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+0.0895*datSEAEretINSA$rev.SEAEretINSA
P9retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.0895*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9retINSA)
datP9retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9retOUTSA)
summary(ur.df(datP9retINSA$P9retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9retINSA$P9retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9retINSA$P9retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9retINSA$P9retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9retINSA$P9retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9<-auto.arima(datP9retINSA$P9retINSA, stationary=TRUE, allowmean=FALSE)
P9e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9e12gedFIT<-ugarchfit(spec=P9e12ged,data=datP9retINSA$P9retINSA)
P9e12gedFORE<-ugarchforecast(P9e12gedFIT,n.ahead=181)
P9e12gedVRST<-P9e12gedFORE@forecast$series+P9e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9e12gedESST<-P9e12gedFORE@forecast$series+P9e12gedFORE@forecast$sigma*integrate(fP9e12gedFIT, 0, 0.025)$value/0.025
P9e12gedBMST<-ESTest(0.025, datP9retOUTSA$P9retOUTSA, P9e12gedESST,P9e12gedVRST, boot=TRUE)
```

Portfolio 10: Bonds and Equities and Oil

```
P10retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*datSEOGretINSA$rev.SEOGretINSA+(0.0895/2)*datSEOEretINSA$rev.SEOEretINSA
P10retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.0895/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.0895/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10retINSA)
datP10retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10retOUTSA)
summary(ur.df(datP10retINSA$P10retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10retINSA$P10retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10retINSA$P10retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10retINSA$P10retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10retINSA$P10retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10<-auto.arima(datP10retINSA$P10retINSA, stationary=TRUE, allowmean=FALSE)
P10e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10e12gedFIT<-ugarchfit(spec=P10e12ged,data=datP10retINSA$P10retINSA)
P10e12gedFORE<-ugarchforecast(P10e12gedFIT,n.ahead=181)
P10e12gedVRST<-P10e12gedFORE@forecast$series+P10e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10e12gedESST<-P10e12gedFORE@forecast$series+P10e12gedFORE@forecast$sigma*integrate(fP10e12gedFIT, 0, 0.025)$value/0.025
P10e12gedBMST<-ESTest(0.025, datP10retOUTSA$P10retOUTSA, P10e12gedESST,P10e12gedVRST, boot=TRUE)
```

Portfolio 11: Bonds and Equities and Telecommunication

```
P11retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*datSEFLretINSA$rev.SEFLretINSA+(0.0895/2)*datSEMOretINSA$rev.SEMOretINSA
P11retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.0895/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.0895/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11retINSA)
datP11retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11retOUTSA)
summary(ur.df(datP11retINSA$P11retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11retINSA$P11retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11retINSA$P11retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11retINSA$P11retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11retINSA$P11retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11<-auto.arima(datP11retINSA$P11retINSA, stationary=TRUE, allowmean=FALSE)
P11e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11e12gedFIT<-ugarchfit(spec=P11e12ged,data=datP11retINSA$P11retINSA)
P11e12gedFORE<-ugarchforecast(P11e12gedFIT,n.ahead=181)
P11e12gedVRST<-P11e12gedFORE@forecast$series+P11e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11e12gedESST<-P11e12gedFORE@forecast$series+P11e12gedFORE@forecast$sigma*integrate(fP11e12gedFIT, 0, 0.025)$value/0.025
P11e12gedBMST<-ESTest(0.025, datP11retOUTSA$P11retOUTSA, P11e12gedESST,P11e12gedVRST, boot=TRUE)
```

Portfolio 12: Bonds and Equities and Transportation and Utilities

```
P12retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*datSEAIretINSA$rev.SEAIretINSA+(0.0895/4)*datSETRetINSA$rev.SETRretINSA+(0.0895/4)*datSEECretINSA$rev.SEECretINSA+(0.0895/4)*datSEUTretINSA$rev.SEUTretINSA
P12retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.0895/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.0895/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.0895/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.0895/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
```

```
datP12retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12retINSA)
datP12retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12retOUTSA)
summary(ur.df(datP12retINSA$P12retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12retINSA$P12retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12retINSA$P12retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12retINSA$P12retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12retINSA$P12retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12<-auto.arima(datP12retINSA$P12retINSA, stationary=TRUE, allowmean=FALSE)
P12e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12e12gedFIT<-ugarchfit(spec=P12e12ged,data=datP12retINSA$P12retINSA)
P12e12gedFORE<-ugarchforecast(P12e12gedFIT,n.ahead=181)
P12e12gedVRST<-P12e12gedFORE@forecast$series+P12e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12e12gedESST<-P12e12gedFORE@forecast$series+P12e12gedFORE@forecast$sigma*integrate(fP12e12gedFIT, 0, 0.025)$value/0.025
P12e12gedBMST<-ESTest(0.025, datP12retOUTSA$P12retOUTSA, P12e12gedESST,P12e12gedVRST, boot=TRUE)
```

Portfolio 13: Bonds and Equities and Other

```
P13retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*datSEFPretINSA$rev.SEFPretINSA+(0.0895/4)*datSETEretINSA$rev.SETEretINSA+(0.0895/4)*datSECHretINSA$rev.SECHretINSA+(0.0895/4)*datSESOretINSA$rev.SESOretINSA
P13retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.0895/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.0895/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.0895/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.0895/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13retINSA)
datP13retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13retOUTSA)
summary(ur.df(datP13retINSA$P13retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13retINSA$P13retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13retINSA$P13retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13retINSA$P13retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13retINSA$P13retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13<-auto.arima(datP13retINSA$P13retINSA, stationary=TRUE, allowmean=FALSE)
P13e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13e12gedFIT<-ugarchfit(spec=P13e12ged,data=datP13retINSA$P13retINSA)
P13e12gedFORE<-ugarchforecast(P13e12gedFIT,n.ahead=181)
P13e12gedVRST<-P13e12gedFORE@forecast$series+P13e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13e12gedESST<-P13e12gedFORE@forecast$series+P13e12gedFORE@forecast$sigma*integrate(fP13e12gedFIT, 0, 0.025)$value/0.025
P13e12gedBMST<-ESTest(0.025, datP13retOUTSA$P13retOUTSA, P13e12gedESST,P13e12gedVRST, boot=TRUE)
```

Portfolio 14: Bonds and Equities and REITS NaN in ARMA and Warning in gedFIT convergence problem

```
P14retINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.089*(datSEETretINSA$rev.SEETretINSA)+(0.089/2)*datSEISretINSA$rev.SEISretINSA+(0.089/2)*datSERETretINSA$rev.SERETretINSA
P14retOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.089*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSERETretOUTSA$rev.SERETretOUTSA)+(0.089/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.089/2)*datSERETretOUTSA$rev.SERETretOUTSA
datP14retINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14retINSA)
datP14retOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14retOUTSA)
summary(ur.df(datP14retINSA$P14retINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14retINSA$P14retINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14retINSA$P14retINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14retINSA$P14retINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14retINSA$P14retINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14<-auto.arima(datP14retINSA$P14retINSA, stationary=TRUE, allowmean=FALSE)
P14e12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14e12gedFIT<-ugarchfit(spec=P14e12ged,data=datP14retINSA$P14retINSA)
P14e12gedFORE<-ugarchforecast(P14e12gedFIT,n.ahead=181)
P14e12gedVRST<-P14e12gedFORE@forecast$series+P14e12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14e12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14e12gedESST<-P14e12gedFORE@forecast$series+P14e12gedFORE@forecast$sigma*integrate(fP14e12gedFIT, 0, 0.025)$value/0.025
P14e12gedBMST<-ESTest(0.025, datP14retOUTSA$P14retOUTSA, P14e12gedESST,P14e12gedVRST, boot=TRUE)
```

Portfolio 2a: Bonds and Equities and Food Commodities

```
P2aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/6)*datDJCCretINSA$rev.DJCCretINSA+(0.05/6)*datDJCFretINSA$rev.DJCFretINSA+(0.05/6)*datDJLHretINSA$rev.DJLHretINSA+(0.05/6)*datDJSUretINSA$rev.DJSUretINSA+(0.05/6)*datDJSOretINSA$rev.DJSOretINSA+(0.05/6)*datDJWEretINSA$rev.DJWEretINSA
P2aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.05/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.05/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.05/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.05/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.05/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2aretINSA)
datP2aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2aretOUTSA)
summary(ur.df(datP2aretINSA$P2aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2aretINSA$P2aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2aretINSA$P2aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2aretINSA$P2aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2aretINSA$P2aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2a<-auto.arima(datP2aretINSA$P2aretINSA, stationary=TRUE, allowmean=FALSE)
P2ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2ae12gedFIT<-ugarchfit(spec=P2ae12ged,data=datP2aretINSA$P2aretINSA)
P2ae12gedFORE<-ugarchforecast(P2ae12gedFIT,n.ahead=181)
P2ae12gedVRST<-P2ae12gedFORE@forecast$series+P2ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2ae12gedESST<-P2ae12gedFORE@forecast$series+P2ae12gedFORE@forecast$sigma*integrate(fP2ae12gedFIT, 0, 0.025)$value/0.025
P2ae12gedBMST<-ESTest(0.025, datP2aretOUTSA$P2aretOUTSA, P2ae12gedESST,P2ae12gedVRST, boot=TRUE)
```

Portfolio 3a: Bonds and Equities and Energy Commodities

```
P3aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/2)*datDJPEretINSA$rev.DJPEretINSA+(0.05/2)*datDJNGretINSA$rev.DJNGretINSA
P3aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.05/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3aretINSA)
datP3aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3aretOUTSA)
summary(ur.df(datP3aretINSA$P3aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3aretINSA$P3aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3aretINSA$P3aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3aretINSA$P3aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3aretINSA$P3aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3a<-auto.arima(datP3aretINSA$P3aretINSA, stationary=TRUE, allowmean=FALSE)
P3ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3ae12gedFIT<-ugarchfit(spec=P3ae12ged,data=datP3aretINSA$P3aretINSA)
P3ae12gedFORE<-ugarchforecast(P3ae12gedFIT,n.ahead=181)
P3ae12gedVRST<-P3ae12gedFORE@forecast$series+P3ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3ae12gedESST<-P3ae12gedFORE@forecast$series+P3ae12gedFORE@forecast$sigma*integrate(fP3ae12gedFIT, 0, 0.025)$value/0.025
P3ae12gedBMST<-ESTest(0.025, datP3aretOUTSA$P3aretOUTSA, P3ae12gedESST,P3ae12gedVRST, boot=TRUE)
```

Portfolio 4a: Bonds and Equities and Metal Commodities

```
P4aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/4)*datDJALretINSA$rev.DJALretINSA+(0.05/4)*datDJSIretINSA$rev.DJSIretINSA+(0.05/4)*datDJNIretINSA$rev.DJNIretINSA+(0.05/4)*datDJZIretINSA$rev.DJZIretINSA
P4aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.05/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.05/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.05/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4aretINSA)
datP4aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4aretOUTSA)
summary(ur.df(datP4aretINSA$P4aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4aretINSA$P4aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4aretINSA$P4aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4aretINSA$P4aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4aretINSA$P4aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4a<-auto.arima(datP4aretINSA$P4aretINSA, stationary=TRUE, allowmean=FALSE)
P4ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4ae12gedFIT<-ugarchfit(spec=P4ae12ged,data=datP4aretINSA$P4aretINSA)
P4ae12gedFORE<-ugarchforecast(P4ae12gedFIT,n.ahead=181)
P4ae12gedVRST<-P4ae12gedFORE@forecast$series+P4ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4ae12gedESST<-P4ae12gedFORE@forecast$series+P4ae12gedFORE@forecast$sigma*integrate(fP4ae12gedFIT, 0, 0.025)$value/0.025
P4ae12gedBMST<-ESTest(0.025, datP4aretOUTSA$P4aretOUTSA, P4ae12gedESST,P4ae12gedVRST, boot=TRUE)
```

Portfolio 5a: Bonds and Equities and Cotton Commodities

```
P5aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05)*datDJCTretINSA$rev.DJCTretINSA
P5aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5aretINSA)
datP5aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5aretOUTSA)
summary(ur.df(datP5aretINSA$P5aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5aretINSA$P5aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5aretINSA$P5aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5aretINSA$P5aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5aretINSA$P5aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5a<-auto.arima(datP5aretINSA$P5aretINSA, stationary=TRUE, allowmean=FALSE)
P5ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5ae12gedFIT<-ugarchfit(spec=P5ae12ged,data=datP5aretINSA$P5aretINSA)
P5ae12gedFORE<-ugarchforecast(P5ae12gedFIT,n.ahead=181)
P5ae12gedVRST<-P5ae12gedFORE@forecast$series+P5ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5ae12gedESST<-P5ae12gedFORE@forecast$series+P5ae12gedFORE@forecast$sigma*integrate(fP5ae12gedFIT, 0, 0.025)$value/0.025
P5ae12gedBMST<-ESTest(0.025, datP5aretOUTSA$P5aretOUTSA, P5ae12gedESST,P5ae12gedVRST, boot=TRUE)
```

Portfolio 6a: Bonds and Equities and Crypto

```
P6aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+(0.05/2)*datBITCretINSA$rev.BITCretINSA+(0.05/2)*datLITCretINSA$rev.LITCretINSA
P6aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+(0.05/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.05/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6aretINSA)
datP6aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6aretOUTSA)
summary(ur.df(datP6aretINSA$P6aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6aretINSA$P6aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP6aretINSA$P6aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6aretINSA$P6aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6aretINSA$P6aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6a<-auto.arima(datP6aretINSA$P6aretINSA, stationary=TRUE, allowmean=FALSE)
P6ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6ae12gedFIT<-ugarchfit(spec=P6ae12ged,data=datP6aretINSA$P6aretINSA)
P6ae12gedFORE<-ugarchforecast(P6ae12gedFIT,n.ahead=181)
P6ae12gedVRST<-P6ae12gedFORE@forecast$series+P6ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6ae12gedESST<-P6ae12gedFORE@forecast$series+P6ae12gedFORE@forecast$sigma*integrate(fP6ae12gedFIT, 0, 0.025)$value/0.025
P6ae12gedBMST<-ESTest(0.025, datP6aretOUTSA$P6aretOUTSA, P6ae12gedESST,P6ae12gedVRST, boot=TRUE)
```

Portfolio 7a: Bonds and Equities and Private Equtiy

```
P7aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA+0.05*datDAXPretINSA$rev.DAXPretINSA
P7aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA+0.05*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7aretINSA)
datP7aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7aretOUTSA)
summary(ur.df(datP7aretINSA$P7aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7aretINSA$P7aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7aretINSA$P7aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7aretINSA$P7aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7aretINSA$P7aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7a<-auto.arima(datP7aretINSA$P7aretINSA, stationary=TRUE, allowmean=FALSE)
P7ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7ae12gedFIT<-ugarchfit(spec=P7ae12ged,data=datP7aretINSA$P7aretINSA)
P7ae12gedFORE<-ugarchforecast(P7ae12gedFIT,n.ahead=181)
P7ae12gedVRST<-P7ae12gedFORE@forecast$series+P7ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP7ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7ae12gedESST<-P7ae12gedFORE@forecast$series+P7ae12gedFORE@forecast$sigma*integrate(fP7ae12gedFIT, 0, 0.025)$value/0.025
P7ae12gedBMST<-ESTest(0.025, datP7aretOUTSA$P7aretOUTSA, P7ae12gedESST,P7ae12gedVRST, boot=TRUE)
```

Portfolio 8a: Bonds and Equities and Emotionals

```
P8aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEBEretINSA$rev.SEBEretINSA+(0.05/2)*datSEAPretINSA$rev.SEAPretINSA
P8aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.05/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.05/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8aretINSA)
datP8aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8aretOUTSA)
summary(ur.df(datP8aretINSA$P8aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8aretINSA$P8aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8aretINSA$P8aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8aretINSA$P8aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8aretINSA$P8aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8a<-auto.arima(datP8aretINSA$P8aretINSA, stationary=TRUE, allowmean=FALSE)
P8ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8ae12gedFIT<-ugarchfit(spec=P8ae12ged,data=datP8aretINSA$P8aretINSA)
P8ae12gedFORE<-ugarchforecast(P8ae12gedFIT,n.ahead=181)
P8ae12gedVRST<-P8ae12gedFORE@forecast$series+P8ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8ae12gedESST<-P8ae12gedFORE@forecast$series+P8ae12gedFORE@forecast$sigma*integrate(fP8ae12gedFIT, 0, 0.025)$value/0.025
P8ae12gedBMST<-ESTest(0.025, datP8aretOUTSA$P8aretOUTSA, P8ae12gedESST,P8ae12gedVRST, boot=TRUE)
```

Portfolio 9a: Bonds and Equities and Energy

```
P9aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+0.05*datSEAEretINSA$rev.SEAEretINSA
P9aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.05*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9aretINSA)
datP9aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9aretOUTSA)
summary(ur.df(datP9aretINSA$P9aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9aretINSA$P9aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9aretINSA$P9aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9aretINSA$P9aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9aretINSA$P9aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9a<-auto.arima(datP9aretINSA$P9aretINSA, stationary=TRUE, allowmean=FALSE)
P9ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9ae12gedFIT<-ugarchfit(spec=P9ae12ged,data=datP9aretINSA$P9aretINSA)
P9ae12gedFORE<-ugarchforecast(P9ae12gedFIT,n.ahead=181)
P9ae12gedVRST<-P9ae12gedFORE@forecast$series+P9ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9ae12gedESST<-P9ae12gedFORE@forecast$series+P9ae12gedFORE@forecast$sigma*integrate(fP9ae12gedFIT, 0, 0.025)$value/0.025
P9ae12gedBMST<-ESTest(0.025, datP9aretOUTSA$P9aretOUTSA, P9ae12gedESST,P9ae12gedVRST, boot=TRUE)
```

Portfolio 10a: Bonds and Equities and Oil

```
P10aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEOGretINSA$rev.SEOGretINSA+(0.05/2)*datSEOEretINSA$rev.SEOEretINSA
P10aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.05/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.05/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10aretINSA)
datP10aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10aretOUTSA)
summary(ur.df(datP10aretINSA$P10aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10aretINSA$P10aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10aretINSA$P10aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10aretINSA$P10aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10aretINSA$P10aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10a<-auto.arima(datP10aretINSA$P10aretINSA, stationary=TRUE, allowmean=FALSE)
P10ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10ae12gedFIT<-ugarchfit(spec=P10ae12ged,data=datP10aretINSA$P10aretINSA)
P10ae12gedFORE<-ugarchforecast(P10ae12gedFIT,n.ahead=181)
P10ae12gedVRST<-P10ae12gedFORE@forecast$series+P10ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10ae12gedESST<-P10ae12gedFORE@forecast$series+P10ae12gedFORE@forecast$sigma*integrate(fP10ae12gedFIT, 0, 0.025)$value/0.025
P10ae12gedBMST<-ESTest(0.025, datP10aretOUTSA$P10aretOUTSA, P10ae12gedESST,P10ae12gedVRST, boot=TRUE)
```

Portfolio 11a: Bonds and Equities and Telecomunication

```
P11aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEFLretINSA$rev.SEFLretINSA+(0.05/2)*datSEMOretINSA$rev.SEMOretINSA
P11aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.05/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.05/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11aretINSA)
datP11aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11aretOUTSA)
summary(ur.df(datP11aretINSA$P11aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11aretINSA$P11aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11aretINSA$P11aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11aretINSA$P11aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11aretINSA$P11aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11a<-auto.arima(datP11aretINSA$P11aretINSA, stationary=TRUE, allowmean=FALSE)
P11ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11ae12gedFIT<-ugarchfit(spec=P11ae12ged,data=datP11aretINSA$P11aretINSA)
P11ae12gedFORE<-ugarchforecast(P11ae12gedFIT,n.ahead=181)
P11ae12gedVRST<-P11ae12gedFORE@forecast$series+P11ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11ae12gedESST<-P11ae12gedFORE@forecast$series+P11ae12gedFORE@forecast$sigma*integrate(fP11ae12gedFIT, 0, 0.025)$value/0.025
P11ae12gedBMST<-ESTest(0.025, datP11aretOUTSA$P11aretOUTSA, P11ae12gedESST,P11ae12gedVRST, boot=TRUE)
```

Portfolio 12a: Bonds and Equities and Transportation and Utilities

```
P12aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*datSEAIretINSA$rev.SEAIretINSA+(0.05/4)*datSETRretINSA$rev.SETRretINSA+(0.05/4)*datSEECretINSA$rev.SEECretINSA+(0.05/4)*datSEUTretINSA$rev.SEUTretINSA
P12aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.05/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.05/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.05/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.05/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
datP12aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12aretINSA)
datP12aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12aretOUTSA)
summary(ur.df(datP12aretINSA$P12aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12aretINSA$P12aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12aretINSA$P12aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12aretINSA$P12aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12aretINSA$P12aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12a<-auto.arima(datP12aretINSA$P12aretINSA, stationary=TRUE, allowmean=FALSE)
P12ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12ae12gedFIT<-ugarchfit(spec=P12ae12ged,data=datP12aretINSA$P12aretINSA)
P12ae12gedFORE<-ugarchforecast(P12ae12gedFIT,n.ahead=181)
P12ae12gedVRST<-P12ae12gedFORE@forecast$series+P12ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12ae12gedESST<-P12ae12gedFORE@forecast$series+P12ae12gedFORE@forecast$sigma*integrate(fP12ae12gedFIT, 0, 0.025)$value/0.025
P12ae12gedBMST<-ESTest(0.025, datP12aretOUTSA$P12aretOUTSA, P12ae12gedESST,P12ae12gedVRST, boot=TRUE)
```

Portfolio 13a: Bonds and Equities and Other

```
P13aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*datSEFPretINSA$rev.SEFPretINSA+(0.05/4)*datSETEretINSA$rev.SETEretINSA+(0.05/4)*datSECHretINSA$rev.SECHretINSA+(0.05/4)*datSESOretINSA$rev.SESOretINSA
P13aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.05/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.05/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.05/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.05/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13aretINSA)
datP13aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13aretOUTSA)
summary(ur.df(datP13aretINSA$P13aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13aretINSA$P13aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13aretINSA$P13aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13aretINSA$P13aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13aretINSA$P13aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13a<-auto.arima(datP13aretINSA$P13aretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P13ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13ae12gedFIT<-ugarchfit(spec=P13ae12ged,data=datP13aretINSA$P13aretINSA)
P13ae12gedFORE<-ugarchforecast(P13ae12gedFIT,n.ahead=181)
P13ae12gedVRST<-P13ae12gedFORE@forecast$series+P13ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13ae12gedESST<-P13ae12gedFORE@forecast$series+P13ae12gedFORE@forecast$sigma*integrate(fP13ae12gedFIT, 0, 0.025)$value/0.025
P13ae12gedBMST<-ESTest(0.025, datP13aretOUTSA$P13aretOUTSA, P13ae12gedESST,P13ae12gedVRST, boot=TRUE)
```

Portfolio 14a: Bonds and Equities and REITS

```
P14aretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*datSEISretINSA$rev.SEISretINSA+(0.05/2)*datSERERetINSA$rev.SERERetINSA
P14aretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSERERetOUTSA$rev.SERERetOUTSA)+(0.05/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.05/2)*datSERERetOUTSA$rev.SERERetOUTSA
datP14aretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14aretINSA)
datP14aretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14aretOUTSA)
summary(ur.df(datP14aretINSA$P14aretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14aretINSA$P14aretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14aretINSA$P14aretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14aretINSA$P14aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14aretINSA$P14aretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14a<-auto.arima(datP14aretINSA$P14aretINSA, stationary=TRUE, allowmean=FALSE)
P14ae12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14ae12gedFIT<-ugarchfit(spec=P14ae12ged,data=datP14aretINSA$P14aretINSA)
P14ae12gedFORE<-ugarchforecast(P14ae12gedFIT,n.ahead=181)
P14ae12gedVRST<-P14ae12gedFORE@forecast$series+P14ae12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14ae12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14ae12gedESST<-P14ae12gedFORE@forecast$series+P14ae12gedFORE@forecast$sigma*integrate(fP14ae12gedFIT, 0, 0.025)$value/0.025
P14ae12gedBMST<-ESTest(0.025, datP14aretOUTSA$P14aretOUTSA, P14ae12gedESST,P14ae12gedVRST, boot=TRUE)
```

Portfolio 2b: Bonds and Equities and Food Commodities

```
P2bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/6)*datDJCCretINSA$rev.DJCCretINSA+(0.03/6)*datDJCFretINSA$rev.DJCFretINSA+(0.03/6)*datDJLHretINSA$rev.DJLHretINSA+(0.03/6)*datDJSUretINSA$rev.DJSUretINSA+(0.03/6)*datDJSOretINSA$rev.DJSOretINSA+(0.03/6)*datDJWEretINSA$rev.DJWEretINSA
P2bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.03/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.03/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.03/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.03/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.03/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2bretINSA)
datP2bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2bretOUTSA)
summary(ur.df(datP2bretINSA$P2bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2bretINSA$P2bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2bretINSA$P2bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2bretINSA$P2bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2bretINSA$P2bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2bc<-auto.arima(datP2bretINSA$P2bretINSA, stationary=TRUE, allowmean=FALSE)
P2be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2be12gedFIT<-ugarchfit(spec=P2be12ged,data=datP2bretINSA$P2bretINSA)
P2be12gedFORE<-ugarchforecast(P2be12gedFIT,n.ahead=181)
P2be12gedVRST<-P2be12gedFORE@forecast$series+P2be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2be12gedESST<-P2be12gedFORE@forecast$series+P2be12gedFORE@forecast$sigma*integrate(fP2be12gedFIT, 0, 0.025)$value/0.025
P2be12gedBMST<-ESTest(0.025, datP2bretOUTSA$P2bretOUTSA, P2be12gedESST,P2be12gedVRST, boot=TRUE)
```

Portfolio 3b: Bonds and Equities and Energy Commodities

```
P3bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*datDJPEretINSA$rev.DJPEretINSA+(0.03/2)*datDJNGretINSA$rev.DJNGretINSA
P3bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.03/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3bretINSA)
datP3bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3bretOUTSA)
summary(ur.df(datP3bretINSA$P3bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3bretINSA$P3bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3bretINSA$P3bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3bretINSA$P3bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3bretINSA$P3bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3bc<-auto.arima(datP3bretINSA$P3bretINSA, stationary=TRUE, allowmean=FALSE)
P3be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3be12gedFIT<-ugarchfit(spec=P3be12ged,data=datP3bretINSA$P3bretINSA)
P3be12gedFORE<-ugarchforecast(P3be12gedFIT,n.ahead=181)
P3be12gedVRST<-P3be12gedFORE@forecast$series+P3be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3be12gedESST<-P3be12gedFORE@forecast$series+P3be12gedFORE@forecast$sigma*integrate(fP3be12gedFIT, 0, 0.025)$value/0.025
P3be12gedBMST<-ESTest(0.025, datP3bretOUTSA$P3bretOUTSA, P3be12gedESST,P3be12gedVRST, boot=TRUE)
```

Portfolio 4b: Bonds and Equities and Metal Commodities

```
P4bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/4)*datDJALretINSA$rev.DJALretINSA+(0.03/4)*datDJSIretINSA$rev.DJSIretINSA+(0.03/4)*datDJNIretINSA$rev.DJNIretINSA+(0.03/4)*datDJZIretINSA$rev.DJZIretINSA
P4bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.03/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.03/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.03/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4bretINSA)
datP4bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4bretOUTSA)
summary(ur.df(datP4bretINSA$P4bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4bretINSA$P4bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4bretINSA$P4bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4bretINSA$P4bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4bretINSA$P4bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4bc<-auto.arima(datP4bretINSA$P4bretINSA, stationary=TRUE, allowmean=FALSE)
P4be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4be12gedFIT<-ugarchfit(spec=P4be12ged,data=datP4bretINSA$P4bretINSA)
P4be12gedFORE<-ugarchforecast(P4be12gedFIT,n.ahead=181)
P4be12gedVRST<-P4be12gedFORE@forecast$series+P4be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4be12gedESST<-P4be12gedFORE@forecast$series+P4be12gedFORE@forecast$sigma*integrate(fP4be12gedFIT, 0, 0.025)$value/0.025
P4be12gedBMST<-ESTest(0.025, datP4bretOUTSA$P4bretOUTSA, P4be12gedESST,P4be12gedVRST, boot=TRUE)
```

Portfolio 5b: Bonds and Equities and Cotton Commodities

```
P5bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03)*datDJCTretINSA$rev.DJCTretINSA
P5bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5bretINSA)
datP5bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5bretOUTSA)
summary(ur.df(datP5bretINSA$P5bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5bretINSA$P5bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5bretINSA$P5bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5bretINSA$P5bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5bretINSA$P5bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5bc<-auto.arima(datP5bretINSA$P5bretINSA, stationary=TRUE, allowmean=FALSE)
P5be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5be12gedFIT<-ugarchfit(spec=P5be12ged,data=datP5bretINSA$P5bretINSA)
P5be12gedFORE<-ugarchforecast(P5be12gedFIT,n.ahead=181)
P5be12gedVRST<-P5be12gedFORE@forecast$series+P5be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5be12gedESST<-P5be12gedFORE@forecast$series+P5be12gedFORE@forecast$sigma*integrate(fP5be12gedFIT, 0, 0.025)$value/0.025
P5be12gedBMST<-ESTest(0.025, datP5bretOUTSA$P5bretOUTSA, P5be12gedESST,P5be12gedVRST, boot=TRUE)
```

Portfolio 6b: Bonds and Equities and Crypto

```
P6bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*datBITCretINSA$rev.BITCretINSA+(0.03/2)*datLITCretINSA$rev.LITCretINSA
P6bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.03/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6bretINSA)
datP6bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6bretOUTSA)
summary(ur.df(datP6bretINSA$P6bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6bretINSA$P6bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP6bretINSA$P6bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6bretINSA$P6bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6bretINSA$P6bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6bc<-auto.arima(datP6bretINSA$P6bretINSA, stationary=TRUE, allowmean=FALSE)
P6be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6be12gedFIT<-ugarchfit(spec=P6be12ged,data=datP6bretINSA$P6bretINSA)
P6be12gedFORE<-ugarchforecast(P6be12gedFIT,n.ahead=181)
P6be12gedVRST<-P6be12gedFORE@forecast$series+P6be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6be12gedESST<-P6be12gedFORE@forecast$series+P6be12gedFORE@forecast$sigma*integrate(fP6be12gedFIT, 0, 0.025)$value/0.025
P6be12gedBMST<-ESTest(0.025, datP6bretOUTSA$P6bretOUTSA, P6be12gedESST,P6be12gedVRST, boot=TRUE)
```

Portfolio 7b: Bonds and Equities and Private Equtiy

```
P7bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+0.03*datDAXPretINSA$rev.DAXPretINSA
P7bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+0.03*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7bretINSA)
datP7bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7bretOUTSA)
summary(ur.df(datP7bretINSA$P7bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7bretINSA$P7bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7bretINSA$P7bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7bretINSA$P7bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7bretINSA$P7bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7bc<-auto.arima(datP7bretINSA$P7bretINSA, stationary=TRUE, allowmean=FALSE)
P7be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7be12gedFIT<-ugarchfit(spec=P7be12ged,data=datP7bretINSA$P7bretINSA)
P7be12gedFORE<-ugarchforecast(P7be12gedFIT,n.ahead=181)
P7be12gedVRST<-P7be12gedFORE@forecast$series+P7be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP7be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7be12gedESST<-P7be12gedFORE@forecast$series+P7be12gedFORE@forecast$sigma*integrate(fP7be12gedFIT, 0, 0.025)$value/0.025
P7be12gedBMST<-ESTest(0.025, datP7bretOUTSA$P7bretOUTSA, P7be12gedESST,P7be12gedVRST, boot=TRUE)
```

Portfolio 8b: Bonds and Equities and Emotionals

```
P8bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEBEretINSA$rev.SEBEretINSA-datSEAPretINSA$rev.SEAPretINSA)+(0.03/2)*datSEBEretINSA$rev.SEBEretINSA+(0.03/2)*datSEAPretINSA$rev.SEAPretINSA
P8bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.03/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.03/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8bretINSA)
datP8bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8bretOUTSA)
summary(ur.df(datP8bretINSA$P8bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8bretINSA$P8bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8bretINSA$P8bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8bretINSA$P8bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8bretINSA$P8bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8bc<-auto.arima(datP8bretINSA$P8bretINSA, stationary=TRUE, allowmean=FALSE)
P8be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8be12gedFIT<-ugarchfit(spec=P8be12ged,data=datP8bretINSA$P8bretINSA)
P8be12gedFORE<-ugarchforecast(P8be12gedFIT,n.ahead=181)
P8be12gedVRST<-P8be12gedFORE@forecast$series+P8be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8be12gedESST<-P8be12gedFORE@forecast$series+P8be12gedFORE@forecast$sigma*integrate(fP8be12gedFIT, 0, 0.025)$value/0.025
P8be12gedBMST<-ESTest(0.025, datP8bretOUTSA$P8bretOUTSA, P8be12gedESST,P8be12gedVRST, boot=TRUE)
```

Portfolio 9b: Bonds and Equities and Energy

```
P9bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEAEretINSA$rev.SEAEretINSA)+0.03*datSEAEretINSA$rev.SEAEretINSA
P9bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.03*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9bretINSA)
datP9bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9bretOUTSA)
summary(ur.df(datP9bretINSA$P9bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9bretINSA$P9bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9bretINSA$P9bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9bretINSA$P9bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9bretINSA$P9bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9bc<-auto.arima(datP9bretINSA$P9bretINSA, stationary=TRUE, allowmean=FALSE)
P9be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9be12gedFIT<-ugarchfit(spec=P9be12ged,data=datP9bretINSA$P9bretINSA)
P9be12gedFORE<-ugarchforecast(P9be12gedFIT,n.ahead=181)
P9be12gedVRST<-P9be12gedFORE@forecast$series+P9be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9be12gedESST<-P9be12gedFORE@forecast$series+P9be12gedFORE@forecast$sigma*integrate(fP9be12gedFIT, 0, 0.025)$value/0.025
P9be12gedBMST<-ESTest(0.025, datP9bretOUTSA$P9bretOUTSA, P9be12gedESST,P9be12gedVRST, boot=TRUE)
```

Portfolio 10b: Bonds and Equities and Oil

```
P10bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEOGretINSA$rev.SEOGretINSA-datSEOEretINSA$rev.SEOEretINSA)+(0.03/2)*datSEOGretINSA$rev.SEOGretINSA+(0.03/2)*datSEOEretINSA$rev.SEOEretINSA
P10bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.03/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.03/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10bretINSA)
datP10bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10bretOUTSA)
summary(ur.df(datP10bretINSA$P10bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10bretINSA$P10bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10bretINSA$P10bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10bretINSA$P10bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10bretINSA$P10bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10bc<-auto.arima(datP10bretINSA$P10bretINSA, stationary=TRUE, allowmean=FALSE)
P10be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10be12gedFIT<-ugarchfit(spec=P10be12ged,data=datP10bretINSA$P10bretINSA)
P10be12gedFORE<-ugarchforecast(P10be12gedFIT,n.ahead=181)
P10be12gedVRST<-P10be12gedFORE@forecast$series+P10be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10be12gedESST<-P10be12gedFORE@forecast$series+P10be12gedFORE@forecast$sigma*integrate(fP10be12gedFIT, 0, 0.025)$value/0.025
P10be12gedBMST<-ESTest(0.025, datP10bretOUTSA$P10bretOUTSA, P10be12gedESST,P10be12gedVRST, boot=TRUE)
```

Portfolio 11b: Bonds and Equities and Telecomunication

```
P11bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEFLretINSA$rev.SEFLretINSA-datSEMOretINSA$rev.SEMOretINSA)+(0.03/2)*datSEFLretINSA$rev.SEFLretINSA+(0.03/2)*datSEMOretINSA$rev.SEMOretINSA
P11bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.03/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.03/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11bretINSA)
datP11bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11bretOUTSA)
summary(ur.df(datP11bretINSA$P11bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11bretINSA$P11bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11bretINSA$P11bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11bretINSA$P11bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11bretINSA$P11bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11bc<-auto.arima(datP11bretINSA$P11bretINSA, stationary=TRUE, allowmean=FALSE)
P11be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11be12gedFIT<-ugarchfit(spec=P11be12ged,data=datP11bretINSA$P11bretINSA)
P11be12gedFORE<-ugarchforecast(P11be12gedFIT,n.ahead=181)
P11be12gedVRST<-P11be12gedFORE@forecast$series+P11be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11be12gedESST<-P11be12gedFORE@forecast$series+P11be12gedFORE@forecast$sigma*integrate(fP11be12gedFIT, 0, 0.025)$value/0.025
P11be12gedBMST<-ESTest(0.025, datP11bretOUTSA$P11bretOUTSA, P11be12gedESST,P11be12gedVRST, boot=TRUE)
```

Portfolio 12b: Bonds and Equities and Transportation and Utilities

```
P12bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEAIretINSA$rev.SEAIretINSA-datSETRretINSA$rev.SETRretINSA-datSEECretINSA$rev.SEECretINSA-datSEUTretINSA$rev.SEUTretINSA)+(0.03/4)*datSEAIretINSA$rev.SEAIretINSA+(0.03/4)*datSETRretINSA$rev.SETRretINSA+(0.03/4)*datSEECretINSA$rev.SEECretINSA+(0.03/4)*datSEUTretINSA$rev.SEUTretINSA
P12bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.03/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.03/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.03/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.03/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
datP12bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12bretINSA)
datP12bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12bretOUTSA)
summary(ur.df(datP12bretINSA$P12bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12bretINSA$P12bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12bretINSA$P12bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12bretINSA$P12bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12bretINSA$P12bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12bc<-auto.arima(datP12bretINSA$P12bretINSA, stationary=TRUE, allowmean=FALSE)
P12be12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12be12gedFIT<-ugarchfit(spec=P12be12ged,data=datP12bretINSA$P12bretINSA)
P12be12gedFORE<-ugarchforecast(P12be12gedFIT,n.ahead=181)
P12be12gedVRST<-P12be12gedFORE@forecast$series+P12be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12be12gedESST<-P12be12gedFORE@forecast$series+P12be12gedFORE@forecast$sigma*integrate(fP12be12gedFIT, 0, 0.025)$value/0.025
P12be12gedBMST<-ESTest(0.025, datP12bretOUTSA$P12bretOUTSA, P12be12gedESST,P12be12gedVRST, boot=TRUE)
```

Portfolio 13b: Bonds and Equities and Other

```
P13bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA-datSEFPretINSA$rev.SEFPretINSA-datSETEretINSA$rev.SETEretINSA-datSECHretINSA$rev.SECHretINSA-datSESOretINSA$rev.SESOretINSA)+(0.03/4)*datSEFPretINSA$rev.SEFPretINSA+(0.03/4)*datSETEretINSA$rev.SETEretINSA+(0.03/4)*datSECHretINSA$rev.SECHretINSA+(0.03/4)*datSESOretINSA$rev.SESOretINSA
P13bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.03/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.03/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.03/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.03/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13bretINSA)
datP13bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13bretOUTSA)
summary(ur.df(datP13bretINSA$P13bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13bretINSA$P13bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13bretINSA$P13bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13bretINSA$P13bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13bretINSA$P13bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13bc<-auto.arima(datP13bretINSA$P13bretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P13be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13be12gedFIT<-ugarchfit(spec=P13be12ged,data=datP13bretINSA$P13bretINSA)
P13be12gedFORE<-ugarchforecast(P13be12gedFIT,n.ahead=181)
P13be12gedVRST<-P13be12gedFORE@forecast$series+P13be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13be12gedESST<-P13be12gedFORE@forecast$series+P13be12gedFORE@forecast$sigma*integrate(fP13be12gedFIT, 0, 0.025)$value/0.025
P13be12gedBMST<-ESTest(0.025, datP13bretOUTSA$P13bretOUTSA, P13be12gedESST,P13be12gedVRST, boot=TRUE)
```

Portfolio 14b: Bonds and Equities and REITS

```
P14bretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*datSEISretINSA$rev.SEISretINSA+(0.03/2)*datSERERetINSA$rev.SERERetINSA
P14bretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSERERetOUTSA$rev.SERERetOUTSA)+(0.03/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.03/2)*datSERERetOUTSA$rev.SERERetOUTSA
datP14bretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14bretINSA)
datP14bretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14bretOUTSA)
summary(ur.df(datP14bretINSA$P14bretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14bretINSA$P14bretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14bretINSA$P14bretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14bretINSA$P14bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14bretINSA$P14bretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14bc<-auto.arima(datP14bretINSA$P14bretINSA, stationary=TRUE, allowmean=FALSE)
P14be12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14be12gedFIT<-ugarchfit(spec=P14be12ged,data=datP14bretINSA$P14bretINSA)
P14be12gedFORE<-ugarchforecast(P14be12gedFIT,n.ahead=181)
P14be12gedVRST<-P14be12gedFORE@forecast$series+P14be12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14be12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14be12gedESST<-P14be12gedFORE@forecast$series+P14be12gedFORE@forecast$sigma*integrate(fP14be12gedFIT, 0, 0.025)$value/0.025
P14be12gedBMST<-ESTest(0.025, datP14bretOUTSA$P14bretOUTSA, P14be12gedESST,P14be12gedVRST, boot=TRUE)
```

Portfolio 2c: Bonds and Equities and Food Commodities

```
P2cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/6)*datDJCCretINSA$rev.DJCCretINSA+(0.01/6)*datDJCFretINSA$rev.DJCFretINSA+(0.01/6)*datDJLHretINSA$rev.DJLHretINSA+(0.01/6)*datDJSUretINSA$rev.DJSUretINSA+(0.01/6)*datDJSOretINSA$rev.DJSOretINSA+(0.01/6)*datDJWEretINSA$rev.DJWEretINSA
P2cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/6)*datDJCCretOUTSA$rev.DJCCretOUTSA+(0.01/6)*datDJCFretOUTSA$rev.DJCFretOUTSA+(0.01/6)*datDJLHretOUTSA$rev.DJLHretOUTSA+(0.01/6)*datDJSUretOUTSA$rev.DJSUretOUTSA+(0.01/6)*datDJSOretOUTSA$rev.DJSOretOUTSA+(0.01/6)*datDJWEretOUTSA$rev.DJWEretOUTSA
datP2cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P2cretINSA)
datP2cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P2cretOUTSA)
summary(ur.df(datP2cretINSA$P2cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP2cretINSA$P2cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP2cretINSA$P2cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP2cretINSA$P2cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP2cretINSA$P2cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP2cc<-auto.arima(datP2cretINSA$P2cretINSA, stationary=TRUE, allowmean=FALSE)
P2ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P2ce12gedFIT<-ugarchfit(spec=P2ce12ged,data=datP2cretINSA$P2cretINSA)
P2ce12gedFORE<-ugarchforecast(P2ce12gedFIT,n.ahead=181)
P2ce12gedVRST<-P2ce12gedFORE@forecast$series+P2ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP2ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P2ce12gedESST<-P2ce12gedFORE@forecast$series+P2ce12gedFORE@forecast$sigma*integrate(fP2ce12gedFIT, 0, 0.025)$value/0.025
P2ce12gedBMST<-ESTest(0.025, datP2cretOUTSA$P2cretOUTSA, P2ce12gedESST,P2ce12gedVRST, boot=TRUE)
```

Portfolio 3c: Bonds and Equities and Energy Commodities

```
P3cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/2)*datDJPEretINSA$rev.DJPEretINSA+(0.01/2)*datDJNGretINSA$rev.DJNGretINSA
P3cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/2)*datDJPEretOUTSA$rev.DJPEretOUTSA+(0.01/2)*datDJNGretOUTSA$rev.DJNGretOUTSA
datP3cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P3cretINSA)
datP3cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P3cretOUTSA)
summary(ur.df(datP3cretINSA$P3cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP3cretINSA$P3cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP3cretINSA$P3cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP3cretINSA$P3cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP3cretINSA$P3cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP3cc<-auto.arima(datP3cretINSA$P3cretINSA, stationary=TRUE, allowmean=FALSE)
P3ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P3ce12gedFIT<-ugarchfit(spec=P3ce12ged,data=datP3cretINSA$P3cretINSA)
P3ce12gedFORE<-ugarchforecast(P3ce12gedFIT,n.ahead=181)
P3ce12gedVRST<-P3ce12gedFORE@forecast$series+P3ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP3ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P3ce12gedESST<-P3ce12gedFORE@forecast$series+P3ce12gedFORE@forecast$sigma*integrate(fP3ce12gedFIT, 0, 0.025)$value/0.025
P3ce12gedBMST<-ESTest(0.025, datP3cretOUTSA$P3cretOUTSA, P3ce12gedESST,P3ce12gedVRST, boot=TRUE)
```

Portfolio 4c: Bonds and Equities and Metal Commodities

```
P4cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/4)*datDJALretINSA$rev.DJALretINSA+(0.01/4)*datDJSIretINSA$rev.DJSIretINSA+(0.01/4)*datDJNIretINSA$rev.DJNIretINSA+(0.01/4)*datDJZIretINSA$rev.DJZIretINSA
P4cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/4)*datDJALretOUTSA$rev.DJALretOUTSA+(0.01/4)*datDJSIretOUTSA$rev.DJSIretOUTSA+(0.01/4)*datDJNIretOUTSA$rev.DJNIretOUTSA+(0.01/4)*datDJZIretOUTSA$rev.DJZIretOUTSA
datP4cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P4cretINSA)
datP4cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P4cretOUTSA)
summary(ur.df(datP4cretINSA$P4cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP4cretINSA$P4cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP4cretINSA$P4cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP4cretINSA$P4cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP4cretINSA$P4cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP4cc<-auto.arima(datP4cretINSA$P4cretINSA, stationary=TRUE, allowmean=FALSE)
P4ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P4ce12gedFIT<-ugarchfit(spec=P4ce12ged,data=datP4cretINSA$P4cretINSA)
P4ce12gedFORE<-ugarchforecast(P4ce12gedFIT,n.ahead=181)
P4ce12gedVRST<-P4ce12gedFORE@forecast$series+P4ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP4ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P4ce12gedESST<-P4ce12gedFORE@forecast$series+P4ce12gedFORE@forecast$sigma*integrate(fP4ce12gedFIT, 0, 0.025)$value/0.025
P4ce12gedBMST<-ESTest(0.025, datP4cretOUTSA$P4cretOUTSA, P4ce12gedESST,P4ce12gedVRST, boot=TRUE)
```

Portfolio 5c: Bonds and Equities and Cotton Commodities

```
P5cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01)*datDJCTretINSA$rev.DJCTretINSA
P5cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01)*datDJCTretOUTSA$rev.DJCTretOUTSA
datP5cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P5cretINSA)
datP5cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P5cretOUTSA)
summary(ur.df(datP5cretINSA$P5cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP5cretINSA$P5cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP5cretINSA$P5cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP5cretINSA$P5cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP5cretINSA$P5cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP5cc<-auto.arima(datP5cretINSA$P5cretINSA, stationary=TRUE, allowmean=FALSE)
P5ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P5ce12gedFIT<-ugarchfit(spec=P5ce12ged,data=datP5cretINSA$P5cretINSA)
P5ce12gedFORE<-ugarchforecast(P5ce12gedFIT,n.ahead=181)
P5ce12gedVRST<-P5ce12gedFORE@forecast$series+P5ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP5ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P5ce12gedESST<-P5ce12gedFORE@forecast$series+P5ce12gedFORE@forecast$sigma*integrate(fP5ce12gedFIT, 0, 0.025)$value/0.025
P5ce12gedBMST<-ESTest(0.025, datP5cretOUTSA$P5cretOUTSA, P5ce12gedESST,P5ce12gedVRST, boot=TRUE)
```

Portfolio 6c: Bonds and Equities and Crypto

```
P6cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+(0.01/2)*datBITCretINSA$rev.BITCretINSA+(0.01/2)*datLITCretINSA$rev.LITCretINSA
P6cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+(0.01/2)*datBITCretOUTSA$rev.BITCretOUTSA+(0.01/2)*datLITCretOUTSA$rev.LITCretOUTSA
datP6cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P6cretINSA)
datP6cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P6cretOUTSA)
summary(ur.df(datP6cretINSA$P6cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP6cretINSA$P6cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP6cretINSA$P6cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP6cretINSA$P6cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP6cretINSA$P6cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP6cc<-auto.arima(datP6cretINSA$P6cretINSA, stationary=TRUE, allowmean=FALSE)
P6ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P6ce12gedFIT<-ugarchfit(spec=P6ce12ged,data=datP6cretINSA$P6cretINSA)
P6ce12gedFORE<-ugarchforecast(P6ce12gedFIT,n.ahead=181)
P6ce12gedVRST<-P6ce12gedFORE@forecast$series+P6ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP6ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P6ce12gedESST<-P6ce12gedFORE@forecast$series+P6ce12gedFORE@forecast$sigma*integrate(fP6ce12gedFIT, 0, 0.025)$value/0.025
P6ce12gedBMST<-ESTest(0.025, datP6cretOUTSA$P6cretOUTSA, P6ce12gedESST,P6ce12gedVRST, boot=TRUE)
```

Portfolio 7c: Bonds and Equities and Private Equtiy

```
P7cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*datSEETretINSA$rev.SEETretINSA+0.01*datDAXPretINSA$rev.DAXPretINSA
P7cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*datSEETretOUTSA$rev.SEETretOUTSA+0.01*datDAXPretOUTSA$rev.DAXPretOUTSA
datP7cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P7cretINSA)
datP7cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P7cretOUTSA)
summary(ur.df(datP7cretINSA$P7cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP7cretINSA$P7cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP7cretINSA$P7cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP7cretINSA$P7cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP7cretINSA$P7cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP7cc<-auto.arima(datP7cretINSA$P7cretINSA, stationary=TRUE, allowmean=FALSE)
P7ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P7ce12gedFIT<-ugarchfit(spec=P7ce12ged,data=datP7cretINSA$P7cretINSA)
P7ce12gedFORE<-ugarchforecast(P7ce12gedFIT,n.ahead=181)
P7ce12gedVRST<-P7ce12gedFORE@forecast$series+P7ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP7ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P7ce12gedESST<-P7ce12gedFORE@forecast$series+P7ce12gedFORE@forecast$sigma*integrate(fP7ce12gedFIT, 0, 0.025)$value/0.025
P7ce12gedBMST<-ESTest(0.025, datP7cretOUTSA$P7cretOUTSA, P7ce12gedESST,P7ce12gedVRST, boot=TRUE)
```

Portfolio 8c: Bonds and Equities and Emotionals

```
P8cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEBEretINSA$rev.SEBEretINSA+(0.01/2)*datSEAPretINSA$rev.SEAPretINSA
P8cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEBEretOUTSA$rev.SEBEretOUTSA-datSEAPretOUTSA$rev.SEAPretOUTSA)+(0.01/2)*datSEBEretOUTSA$rev.SEBEretOUTSA+(0.01/2)*datSEAPretOUTSA$rev.SEAPretOUTSA
datP8cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8cretINSA)
datP8cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8cretOUTSA)
summary(ur.df(datP8cretINSA$P8cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8cretINSA$P8cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8cretINSA$P8cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8cretINSA$P8cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8cretINSA$P8cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8cc<-auto.arima(datP8cretINSA$P8cretINSA, stationary=TRUE, allowmean=FALSE)
P8ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8ce12gedFIT<-ugarchfit(spec=P8ce12ged,data=datP8cretINSA$P8cretINSA)
P8ce12gedFORE<-ugarchforecast(P8ce12gedFIT,n.ahead=181)
P8ce12gedVRST<-P8ce12gedFORE@forecast$series+P8ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8ce12gedESST<-P8ce12gedFORE@forecast$series+P8ce12gedFORE@forecast$sigma*integrate(fP8ce12gedFIT, 0, 0.025)$value/0.025
P8ce12gedBMST<-ESTest(0.025, datP8cretOUTSA$P8cretOUTSA, P8ce12gedESST,P8ce12gedVRST, boot=TRUE)
```

Portfolio 9c: Bonds and Equities and Energy

```
P9cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+0.01*datSEAEretINSA$rev.SEAEretINSA
P9cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAEretOUTSA$rev.SEAEretOUTSA)+0.01*datSEAEretOUTSA$rev.SEAEretOUTSA
datP9cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9cretINSA)
datP9cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9cretOUTSA)
summary(ur.df(datP9cretINSA$P9cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9cretINSA$P9cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9cretINSA$P9cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9cretINSA$P9cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9cretINSA$P9cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9cc<-auto.arima(datP9cretINSA$P9cretINSA, stationary=TRUE, allowmean=FALSE)
P9ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9ce12gedFIT<-ugarchfit(spec=P9ce12ged,data=datP9cretINSA$P9cretINSA)
P9ce12gedFORE<-ugarchforecast(P9ce12gedFIT,n.ahead=181)
P9ce12gedVRST<-P9ce12gedFORE@forecast$series+P9ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9ce12gedESST<-P9ce12gedFORE@forecast$series+P9ce12gedFORE@forecast$sigma*integrate(fP9ce12gedFIT, 0, 0.025)$value/0.025
P9ce12gedBMST<-ESTest(0.025, datP9cretOUTSA$P9cretOUTSA, P9ce12gedESST,P9ce12gedVRST, boot=TRUE)
```

Portfolio 10c: Bonds and Equities and Oil

```
P10cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEOGretINSA$rev.SEOGretINSA+(0.01/2)*datSEOEretINSA$rev.SEOEretINSA
P10cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEOGretOUTSA$rev.SEOGretOUTSA-datSEOEretOUTSA$rev.SEOEretOUTSA)+(0.01/2)*datSEOGretOUTSA$rev.SEOGretOUTSA+(0.01/2)*datSEOEretOUTSA$rev.SEOEretOUTSA
datP10cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10cretINSA)
datP10cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10cretOUTSA)
summary(ur.df(datP10cretINSA$P10cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10cretINSA$P10cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10cretINSA$P10cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10cretINSA$P10cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10cretINSA$P10cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10cc<-auto.arima(datP10cretINSA$P10cretINSA, stationary=TRUE, allowmean=FALSE)
P10ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10ce12gedFIT<-ugarchfit(spec=P10ce12ged,data=datP10cretINSA$P10cretINSA)
P10ce12gedFORE<-ugarchforecast(P10ce12gedFIT,n.ahead=181)
P10ce12gedVRST<-P10ce12gedFORE@forecast$series+P10ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10ce12gedESST<-P10ce12gedFORE@forecast$series+P10ce12gedFORE@forecast$sigma*integrate(fP10ce12gedFIT, 0, 0.025)$value/0.025
P10ce12gedBMST<-ESTest(0.025, datP10cretOUTSA$P10cretOUTSA, P10ce12gedESST,P10ce12gedVRST, boot=TRUE)
```

Portfolio 11c: Bonds and Equities and Telecomunication

```
P11cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEFLretINSA$rev.SEFLretINSA+(0.01/2)*datSEMOretINSA$rev.SEMOretINSA
P11cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFLretOUTSA$rev.SEFLretOUTSA-datSEMOretOUTSA$rev.SEMOretOUTSA)+(0.01/2)*datSEFLretOUTSA$rev.SEFLretOUTSA+(0.01/2)*datSEMOretOUTSA$rev.SEMOretOUTSA
datP11cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11cretINSA)
datP11cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11cretOUTSA)
summary(ur.df(datP11cretINSA$P11cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11cretINSA$P11cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11cretINSA$P11cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11cretINSA$P11cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11cretINSA$P11cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11cc<-auto.arima(datP11cretINSA$P11cretINSA, stationary=TRUE, allowmean=FALSE)
P11ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11ce12gedFIT<-ugarchfit(spec=P11ce12ged,data=datP11cretINSA$P11cretINSA)
P11ce12gedFORE<-ugarchforecast(P11ce12gedFIT,n.ahead=181)
P11ce12gedVRST<-P11ce12gedFORE@forecast$series+P11ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11ce12gedESST<-P11ce12gedFORE@forecast$series+P11ce12gedFORE@forecast$sigma*integrate(fP11ce12gedFIT, 0, 0.025)$value/0.025
P11ce12gedBMST<-ESTest(0.025, datP11cretOUTSA$P11cretOUTSA, P11ce12gedESST,P11ce12gedVRST, boot=TRUE)
```

Portfolio 12c: Bonds and Equities and Transportation and Utilities

```
P12cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*datSEAIretINSA$rev.SEAIretINSA+(0.01/4)*datSETRretINSA$rev.SETRretINSA+(0.01/4)*datSEECretINSA$rev.SEECretINSA+(0.01/4)*datSEUTretINSA$rev.SEUTretINSA
P12cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEAIretOUTSA$rev.SEAIretOUTSA-datSETRretOUTSA$rev.SETRretOUTSA-datSEECretOUTSA$rev.SEECretOUTSA-datSEUTretOUTSA$rev.SEUTretOUTSA)+(0.01/4)*datSEAIretOUTSA$rev.SEAIretOUTSA+(0.01/4)*datSETRretOUTSA$rev.SETRretOUTSA+(0.01/4)*datSEECretOUTSA$rev.SEECretOUTSA+(0.01/4)*datSEUTretOUTSA$rev.SEUTretOUTSA
datP12cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12cretINSA)
datP12cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12cretOUTSA)
summary(ur.df(datP12cretINSA$P12cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12cretINSA$P12cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12cretINSA$P12cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12cretINSA$P12cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12cretINSA$P12cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12cc<-auto.arima(datP12cretINSA$P12cretINSA, stationary=TRUE, allowmean=FALSE)
P12ce12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12ce12gedFIT<-ugarchfit(spec=P12ce12ged,data=datP12cretINSA$P12cretINSA)
P12ce12gedFORE<-ugarchforecast(P12ce12gedFIT,n.ahead=181)
P12ce12gedVRST<-P12ce12gedFORE@forecast$series+P12ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12ce12gedESST<-P12ce12gedFORE@forecast$series+P12ce12gedFORE@forecast$sigma*integrate(fP12ce12gedFIT, 0, 0.025)$value/0.025
P12ce12gedBMST<-ESTest(0.025, datP12cretOUTSA$P12cretOUTSA, P12ce12gedESST,P12ce12gedVRST, boot=TRUE)
```

Portfolio 13c: Bonds and Equities and Other

```
P13cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*datSEFPretINSA$rev.SEFPretINSA+(0.01/4)*datSETEretINSA$rev.SETEretINSA+(0.01/4)*datSECHretINSA$rev.SECHretINSA+(0.01/4)*datSESOretINSA$rev.SESOretINSA
P13cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEFPretOUTSA$rev.SEFPretOUTSA-datSETEretOUTSA$rev.SETEretOUTSA-datSECHretOUTSA$rev.SECHretOUTSA-datSESOretOUTSA$rev.SESOretOUTSA)+(0.01/4)*datSEFPretOUTSA$rev.SEFPretOUTSA+(0.01/4)*datSETEretOUTSA$rev.SETEretOUTSA+(0.01/4)*datSECHretOUTSA$rev.SECHretOUTSA+(0.01/4)*datSESOretOUTSA$rev.SESOretOUTSA
datP13cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13cretINSA)
datP13cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13cretOUTSA)
summary(ur.df(datP13cretINSA$P13cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13cretINSA$P13cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13cretINSA$P13cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13cretINSA$P13cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13cretINSA$P13cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13cc<-auto.arima(datP13cretINSA$P13cretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P13ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13ce12gedFIT<-ugarchfit(spec=P13ce12ged,data=datP13cretINSA$P13cretINSA)
P13ce12gedFORE<-ugarchforecast(P13ce12gedFIT,n.ahead=181)
P13ce12gedVRST<-P13ce12gedFORE@forecast$series+P13ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13ce12gedESST<-P13ce12gedFORE@forecast$series+P13ce12gedFORE@forecast$sigma*integrate(fP13ce12gedFIT, 0, 0.025)$value/0.025
P13ce12gedBMST<-ESTest(0.025, datP13cretOUTSA$P13cretOUTSA, P13ce12gedESST,P13ce12gedVRST, boot=TRUE)
```

Portfolio 14c: Bonds and Equities and REITS

```
P14cretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*datSEISretINSA$rev.SEISretINSA+(0.01/2)*datSEREretINSA$rev.SEREretINSA
P14cretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA-datSEISretOUTSA$rev.SEISretOUTSA-datSEREretOUTSA$rev.SEREretOUTSA)+(0.01/2)*datSEISretOUTSA$rev.SEISretOUTSA+(0.01/2)*datSEREretOUTSA$rev.SEREretOUTSA
datP14cretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14cretINSA)
datP14cretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14cretOUTSA)
summary(ur.df(datP14cretINSA$P14cretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14cretINSA$P14cretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14cretINSA$P14cretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14cretINSA$P14cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14cretINSA$P14cretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14c<-auto.arima(datP14cretINSA$P14cretINSA, stationary=TRUE, allowmean=FALSE)
P14ce12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14ce12gedFIT<-ugarchfit(spec=P14ce12ged,data=datP14cretINSA$P14cretINSA)
P14ce12gedFORE<-ugarchforecast(P14ce12gedFIT,n.ahead=181)
P14ce12gedVRST<-P14ce12gedFORE@forecast$series+P14ce12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14ce12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14ce12gedESST<-P14ce12gedFORE@forecast$series+P14ce12gedFORE@forecast$sigma*integrate(fP14ce12gedFIT, 0, 0.025)$value/0.025
P14ce12gedBMST<-ESTest(0.025, datP14cretOUTSA$P14cretOUTSA, P14ce12gedESST,P14ce12gedVRST, boot=TRUE)
```

Portfolio 1

Portfolio 8r: Bonds and Equities and Emotionals

```
P8rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
P8rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datP8rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8rretINSA)
datP8rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8rretOUTSA)
summary(ur.df(datP8rretINSA$P8rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8rretINSA$P8rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8rretINSA$P8rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8rretINSA$P8rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8rretINSA$P8rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8r<-auto.arima(datP8rretINSA$P8rretINSA, stationary=TRUE, allowmean=FALSE)
P8re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,1)), mean.model=list(armaOrder=c(1,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8re12gedFITc-ugarchfit(spec=P8re12ged,data=datP8rretINSA$P8rretINSA)
P8re12gedFOREc-ugarchforecast(P8re12gedFIT,n.ahead=181)
P8re12gedVRSTc-P8re12gedFORE@forecast$series+P8re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP8re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8re12gedESSTc-P8re12gedFORE@forecast$series+P8re12gedFORE@forecast$sigma*integrate(FP8re12gedFIT, 0, 0.025)$value/0.025
P8re12gedBMSTc-ESTest(0.025, datP8rretOUTSA$P8rretOUTSA, P8re12gedESST,P8re12gedVRST, boot=TRUE)
```

Portfolio 9r: Bonds and Equities and Energy

```
P9rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+0.0895*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+0.0895*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9rretINSA)
datP9rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9rretOUTSA)
summary(ur.df(datP9rretINSA$P9rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9rretINSA$P9rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9rretINSA$P9rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9rretINSA$P9rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9rretINSA$P9rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9r<-auto.arima(datP9rretINSA$P9rretINSA, stationary=TRUE, allowmean=FALSE)
P9re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9re12gedFITc-ugarchfit(spec=P9re12ged,data=datP9rretINSA$P9rretINSA)
P9re12gedFOREc-ugarchforecast(P9re12gedFIT,n.ahead=181)
P9re12gedVRSTc-P9re12gedFORE@forecast$series+P9re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP9re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9re12gedESSTc-P9re12gedFORE@forecast$series+P9re12gedFORE@forecast$sigma*integrate(FP9re12gedFIT, 0, 0.025)$value/0.025
P9re12gedBMSTc-ESTest(0.025, datP9rretOUTSA$P9rretOUTSA, P9re12gedESST,P9re12gedVRST, boot=TRUE)
```

Portfolio 10r: Bonds and Equities and Oil

```
P10rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10rretINSA)
datP10rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10rretOUTSA)
summary(ur.df(datP10rretINSA$P10rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10rretINSA$P10rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10rretINSA$P10rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10rretINSA$P10rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10rretINSA$P10rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10r<-auto.arima(datP10rretINSA$P10rretINSA, stationary=TRUE, allowmean=FALSE)
P10re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10re12gedFITc-ugarchfit(spec=P10re12ged,data=datP10rretINSA$P10rretINSA)
P10re12gedFOREc-ugarchforecast(P10re12gedFIT,n.ahead=181)
P10re12gedVRSTc-P10re12gedFORE@forecast$series+P10re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP10re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10re12gedESSTc-P10re12gedFORE@forecast$series+P10re12gedFORE@forecast$sigma*integrate(FP10re12gedFIT, 0, 0.025)$value/0.025
P10re12gedBMSTc-ESTest(0.025, datP10rretOUTSA$P10rretOUTSA, P10re12gedESST,P10re12gedVRST, boot=TRUE)
```

Portfolio 11r: Bonds and Equities and Telecomunication

```
P11rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMDretINSA$rev.SEMDretINSA))
P11rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMDretOUTSA$rev.SEMDretOUTSA))
datP11rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11rretINSA)
datP11rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11rretOUTSA)
summary(ur.df(datP11rretINSA$P11rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11rretINSA$P11rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11rretINSA$P11rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11rretINSA$P11rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11rretINSA$P11rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11r<-auto.arima(datP11rretINSA$P11rretINSA, stationary=TRUE, allowmean=FALSE)
P11re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11re12gedFITc-ugarchfit(spec=P11re12ged,data=datP11rretINSA$P11rretINSA)
P11re12gedFOREc-ugarchforecast(P11re12gedFIT,n.ahead=181)
P11re12gedVRSTc-P11re12gedFORE@forecast$series+P11re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP11re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11re12gedESSTc-P11re12gedFORE@forecast$series+P11re12gedFORE@forecast$sigma*integrate(FP11re12gedFIT, 0, 0.025)$value/0.025
P11re12gedBMSTc-ESTest(0.025, datP11rretOUTSA$P11rretOUTSA, P11re12gedESST,P11re12gedVRST, boot=TRUE)
```

Portfolio 12r: Bonds and Equities and Transportation and Utilities

```
P12rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECCretOUTSA$rev.SECCretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12rretINSA)
datP12rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12rretOUTSA)
summary(ur.df(datP12rretINSA$P12rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12rretINSA$P12rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12rretINSA$P12rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12rretINSA$P12rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12rretINSA$P12rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12r<-auto.arima(datP12rretINSA$P12rretINSA, stationary=TRUE, allowmean=FALSE)
P12re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(1,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12re12gedFITc-ugarchfit(spec=P12re12ged,data=datP12rretINSA$P12rretINSA)
P12re12gedFOREc-ugarchforecast(P12re12gedFIT,n.ahead=181)
P12re12gedVRSTc-P12re12gedFORE@forecast$series+P12re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP12re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12re12gedESSTc-P12re12gedFORE@forecast$series+P12re12gedFORE@forecast$sigma*integrate(FP12re12gedFIT, 0, 0.025)$value/0.025
P12re12gedBMSTc-ESTest(0.025, datP12rretOUTSA$P12rretOUTSA, P12re12gedESST,P12re12gedVRST, boot=TRUE)
```

Portfolio 13r: Bonds and Equities and Other

```
P13rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETEretINSA$rev.SETEretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECHretINSA$rev.SECHretINSA))+(0.0895/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETEretOUTSA$rev.SETEretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECHretOUTSA$rev.SECHretOUTSA))+(0.0895/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13rretINSA)
datP13rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13rretOUTSA)
summary(ur.df(datP13rretINSA$P13rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13rretINSA$P13rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13rretINSA$P13rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13rretINSA$P13rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13rretINSA$P13rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13r<-auto.arima(datP13rretINSA$P13rretINSA, stationary=TRUE, allowmean=FALSE)
P13re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(2,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13re12gedFITc-ugarchfit(spec=P13re12ged,data=datP13rretINSA$P13rretINSA)
P13re12gedFOREc-ugarchforecast(P13re12gedFIT,n.ahead=181)
P13re12gedVRSTc-P13re12gedFORE@forecast$series+P13re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP13re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13re12gedESSTc-P13re12gedFORE@forecast$series+P13re12gedFORE@forecast$sigma*integrate(FP13re12gedFIT, 0, 0.025)$value/0.025
P13re12gedBMSTc-ESTest(0.025, datP13rretOUTSA$P13rretOUTSA, P13re12gedESST,P13re12gedVRST, boot=TRUE)
```

Portfolio 14r: Bonds and Equities and REITS

```
P14rretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.0895*(datSEETretINSA$rev.SEETretINSA)+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.0895/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SEREretINSA))
P14rretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.0895*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.0895/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEREretOUTSA$rev.SEREretOUTSA))
datP14rretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14rretINSA)
datP14rretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14rretOUTSA)
summary(ur.df(datP14rretINSA$P14rretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14rretINSA$P14rretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14rretINSA$P14rretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14rretINSA$P14rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14rretINSA$P14rretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14r<-auto.arima(datP14rretINSA$P14rretINSA, stationary=TRUE, allowmean=FALSE)
P14re12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14re12gedFITc-ugarchfit(spec=P14re12ged,data=datP14rretINSA$P14rretINSA)
P14re12gedFOREc-ugarchforecast(P14re12gedFIT,n.ahead=181)
P14re12gedVRSTc-P14re12gedFORE@forecast$series+P14re12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
FP14re12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14re12gedESSTc-P14re12gedFORE@forecast$series+P14re12gedFORE@forecast$sigma*integrate(FP14re12gedFIT, 0, 0.025)$value/0.025
```

```
P14re12gedBMST<-ESTest(0.025, datP14rretOUTSA$P14rretOUTSA, P14re12gedESST,P14re12gedVRST, boot=TRUE)
```

Portfolio 2

Portfolio 8ar: Bonds and Equities and Emotionals

```
P8arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
P8arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datP8arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8arretINSA)
datP8arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8arretOUTSA)
summary(ur.df(datP8arretINSA$P8arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8arretINSA$P8arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8arretINSA$P8arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8arretINSA$P8arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8arretINSA$P8arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8arc-auto.arima(datP8arretINSA$P8arretINSA, stationary=TRUE, allowmean=FALSE)
P8are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8are12gedFIT<-ugarchfit(spec=P8are12ged,data=datP8arretINSA$P8arretINSA)
P8are12gedFORE<-ugarchforecast(P8are12gedFIT,n.ahead=181)
P8are12gedVRST<-P8are12gedFORE@forecast$series+P8are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8are12gedESST<-P8are12gedFORE@forecast$series+P8are12gedFORE@forecast$sigma*integrate(fP8are12gedFIT, 0, 0.025)$value/0.025
P8are12gedBMST<-ESTest(0.025, datP8arretOUTSA$P8arretOUTSA, P8are12gedESST,P8are12gedVRST, boot=TRUE)
```

Portfolio 9ar: Bonds and Equities and Energy

```
P9arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+0.05*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+0.05*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9arretINSA)
datP9arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9arretOUTSA)
summary(ur.df(datP9arretINSA$P9arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9arretINSA$P9arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9arretINSA$P9arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9arretINSA$P9arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9arretINSA$P9arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9arc-auto.arima(datP9arretINSA$P9arretINSA, stationary=TRUE, allowmean=FALSE)
P9are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9are12gedFIT<-ugarchfit(spec=P9are12ged,data=datP9arretINSA$P9arretINSA)
P9are12gedFORE<-ugarchforecast(P9are12gedFIT,n.ahead=181)
P9are12gedVRST<-P9are12gedFORE@forecast$series+P9are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9are12gedESST<-P9are12gedFORE@forecast$series+P9are12gedFORE@forecast$sigma*integrate(fP9are12gedFIT, 0, 0.025)$value/0.025
P9are12gedBMST<-ESTest(0.025, datP9arretOUTSA$P9arretOUTSA, P9are12gedESST,P9are12gedVRST, boot=TRUE)
```

Portfolio 10ar: Bonds and Equities and Oil

```
P10arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10arretINSA)
datP10arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10arretOUTSA)
summary(ur.df(datP10arretINSA$P10arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10arretINSA$P10arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10arretINSA$P10arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10arretINSA$P10arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10arretINSA$P10arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10arc-auto.arima(datP10arretINSA$P10arretINSA, stationary=TRUE, allowmean=FALSE)
P10are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10are12gedFIT<-ugarchfit(spec=P10are12ged,data=datP10arretINSA$P10arretINSA)
P10are12gedFORE<-ugarchforecast(P10are12gedFIT,n.ahead=181)
P10are12gedVRST<-P10are12gedFORE@forecast$series+P10are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10are12gedESST<-P10are12gedFORE@forecast$series+P10are12gedFORE@forecast$sigma*integrate(fP10are12gedFIT, 0, 0.025)$value/0.025
P10are12gedBMST<-ESTest(0.025, datP10arretOUTSA$P10arretOUTSA, P10are12gedESST,P10are12gedVRST, boot=TRUE)
```

Portfolio 11ar: Bonds and Equities and Telecomunication

```
P11arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.05/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMOretINSA$rev.SEMOretINSA))
P11arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.05/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMOretOUTSA$rev.SEMOretOUTSA))
datP11arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11arretINSA)
datP11arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11arretOUTSA)
summary(ur.df(datP11arretINSA$P11arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11arretINSA$P11arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11arretINSA$P11arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11arretINSA$P11arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11arretINSA$P11arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11arc-auto.arima(datP11arretINSA$P11arretINSA, stationary=TRUE, allowmean=FALSE)
P11are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11are12gedFIT<-ugarchfit(spec=P11are12ged,data=datP11arretINSA$P11arretINSA)
P11are12gedFORE<-ugarchforecast(P11are12gedFIT,n.ahead=181)
P11are12gedVRST<-P11are12gedFORE@forecast$series+P11are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11are12gedESST<-P11are12gedFORE@forecast$series+P11are12gedFORE@forecast$sigma*integrate(fP11are12gedFIT, 0, 0.025)$value/0.025
P11are12gedBMST<-EStest(0.025, datP11arretOUTSA$P11arretOUTSA, P11are12gedESST,P11are12gedVRST, boot=TRUE)
```

Portfolio 12ar: Bonds and Equities and Transportation and Utilities

```
P12arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECCretINSA$rev.SECCretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECCretOUTSA$rev.SECCretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12arretINSA)
datP12arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12arretOUTSA)
summary(ur.df(datP12arretINSA$P12arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12arretINSA$P12arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12arretINSA$P12arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12arretINSA$P12arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12arretINSA$P12arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12arc-auto.arima(datP12arretINSA$P12arretINSA, stationary=TRUE, allowmean=FALSE)
P12are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12are12gedFIT<-ugarchfit(spec=P12are12ged,data=datP12arretINSA$P12arretINSA)
P12are12gedFORE<-ugarchforecast(P12are12gedFIT,n.ahead=181)
P12are12gedVRST<-P12are12gedFORE@forecast$series+P12are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12are12gedESST<-P12are12gedFORE@forecast$series+P12are12gedFORE@forecast$sigma*integrate(fP12are12gedFIT, 0, 0.025)$value/0.025
P12are12gedBMST<-EStest(0.025, datP12arretOUTSA$P12arretOUTSA, P12are12gedESST,P12are12gedVRST, boot=TRUE)
```

Portfolio 13ar: Bonds and Equities and Other

```
P13arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEEretINSA$rev.SEEretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEHCretINSA$rev.SEHCretINSA))+(0.05/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEEretOUTSA$rev.SEEretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEHCretOUTSA$rev.SEHCretOUTSA))+(0.05/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13arretINSA)
datP13arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13arretOUTSA)
summary(ur.df(datP13arretINSA$P13arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13arretINSA$P13arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13arretINSA$P13arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13arretINSA$P13arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13arretINSA$P13arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13arc-auto.arima(datP13arretINSA$P13arretINSA, stationary=TRUE, allowmean=FALSE)
P13are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13are12gedFIT<-ugarchfit(spec=P13are12ged,data=datP13arretINSA$P13arretINSA)
P13are12gedFORE<-ugarchforecast(P13are12gedFIT,n.ahead=181)
P13are12gedVRST<-P13are12gedFORE@forecast$series+P13are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13are12gedESST<-P13are12gedFORE@forecast$series+P13are12gedFORE@forecast$sigma*integrate(fP13are12gedFIT, 0, 0.025)$value/0.025
P13are12gedBMST<-EStest(0.025, datP13arretOUTSA$P13arretOUTSA, P13are12gedESST,P13are12gedVRST, boot=TRUE)
```

Portfolio 14ar: Bonds and Equities and REITS

```
P14arretINSAc<-0.821*datGREXretINSA$rev.GREXretINSA+0.129*(datSEETretINSA$rev.SEETretINSA)+(0.089/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.089/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SERERetINSA))
P14arretOUTSAc<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.129*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.089/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.089/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSERERetOUTSA$rev.SERERetOUTSA))
datP14arretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14arretINSA)
datP14arretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14arretOUTSA)
summary(ur.df(datP14arretINSA$P14arretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14arretINSA$P14arretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14arretINSA$P14arretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14arretINSA$P14arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14arretINSA$P14arretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14arc-auto.arima(datP14arretINSA$P14arretINSA, stationary=TRUE, allowmean=FALSE)
P14are12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(0,0), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14are12gedFIT<-ugarchfit(spec=P14are12ged,data=datP14arretINSA$P14arretINSA)
P14are12gedFORE<-ugarchforecast(P14are12gedFIT,n.ahead=181)
P14are12gedVRST<-P14are12gedFORE@forecast$series+P14are12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
```

```
fP14are12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14are12gedESST<-P14are12gedFORE@forecast$series=P14are12gedFORE@forecast$sigma*integrate(fP14are12gedFIT, 0, 0.025)$value/0.025
P14are12gedBMST<-ESTest(0.025, datP14arretOUTSA$P14arretOUTSA, P14are12gedESST,P14are12gedVRST, boot=TRUE)
```

Portfolio 3

Portfolio 8br: Bonds and Equities and Emotionals

```
PBbrretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
PBbrretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datPBbrretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), PBbrretINSA)
datPBbrretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), PBbrretOUTSA)
summary(ur.df(datPBbrretINSA$PBbrretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datPBbrretINSA$PBbrretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datPBbrretINSA$PBbrretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datPBbrretINSA$PBbrretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datPBbrretINSA$PBbrretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaPBbr<-auto.arima(datPBbrretINSA$PBbrretINSA, stationary=TRUE, allowmean=FALSE)
PBbre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
PBbre12gedFITc-ugarchfit(spec=PBbre12ged,data=datPBbrretINSA$PBbrretINSA)
PBbre12gedFORE<-ugarchforecast(PBbre12gedFIT,n.ahead=181)
PBbre12gedVRST<-PBbre12gedFORE@forecast$series=PBbre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fPBbre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
PBbre12gedESST<-PBbre12gedFORE@forecast$series=PBbre12gedFORE@forecast$sigma*integrate(fPBbre12gedFIT, 0, 0.025)$value/0.025
PBbre12gedBMST<-ESTest(0.025, datPBbrretOUTSA$PBbrretOUTSA, PBbre12gedESST,PBbre12gedVRST, boot=TRUE)
```

Portfolio 9br: Bonds and Equities and Energy

```
P9brretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+0.03*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9brretOUTSA<-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+0.03*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9brretINSA)
datP9brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9brretOUTSA)
summary(ur.df(datP9brretINSA$P9brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9brretINSA$P9brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9brretINSA$P9brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9brretINSA$P9brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9brretINSA$P9brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9br<-auto.arima(datP9brretINSA$P9brretINSA, stationary=TRUE, allowmean=FALSE)
P9bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9bre12gedFITc-ugarchfit(spec=P9bre12ged,data=datP9brretINSA$P9brretINSA)
P9bre12gedFORE<-ugarchforecast(P9bre12gedFIT,n.ahead=181)
P9bre12gedVRST<-P9bre12gedFORE@forecast$series=P9bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9bre12gedESST<-P9bre12gedFORE@forecast$series=P9bre12gedFORE@forecast$sigma*integrate(fP9bre12gedFIT, 0, 0.025)$value/0.025
P9bre12gedBMST<-ESTest(0.025, datP9brretOUTSA$P9brretOUTSA, P9bre12gedESST,P9bre12gedVRST, boot=TRUE)
```

Portfolio 10br: Bonds and Equities and Oil

```
P10brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10brretINSA)
datP10brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10brretOUTSA)
summary(ur.df(datP10brretINSA$P10brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10brretINSA$P10brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10brretINSA$P10brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10brretINSA$P10brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10brretINSA$P10brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10brc<-auto.arima(datP10brretINSA$P10brretINSA, stationary=TRUE, allowmean=FALSE)
P10bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10bre12gedFITc-ugarchfit(spec=P10bre12ged,data=datP10brretINSA$P10brretINSA)
P10bre12gedFORE<-ugarchforecast(P10bre12gedFIT,n.ahead=181)
P10bre12gedVRST<-P10bre12gedFORE@forecast$series=P10bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10bre12gedESST<-P10bre12gedFORE@forecast$series=P10bre12gedFORE@forecast$sigma*integrate(fP10bre12gedFIT, 0, 0.025)$value/0.025
P10bre12gedBMST<-ESTest(0.025, datP10brretOUTSA$P10brretOUTSA, P10bre12gedESST,P10bre12gedVRST, boot=TRUE)
```

Portfolio 11br: Bonds and Equities and Telecommunication

```
P11brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMDretINSA$rev.SEMDretINSA))
P11brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMDretOUTSA$rev.SEMDretOUTSA))
datP11brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11brretINSA)
datP11brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11brretOUTSA)
summary(ur.df(datP11brretINSA$P11brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11brretINSA$P11brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11brretINSA$P11brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11brretINSA$P11brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11brretINSA$P11brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11brc<-auto.arima(datP11brretINSA$P11brretINSA, stationary=TRUE, allowmean=FALSE)
P11bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11bre12gedFITc-ugarchfit(spec=P11bre12ged,data=datP11brretINSA$P11brretINSA)
P11bre12gedFORE<-ugarchforecast(P11bre12gedFIT,n.ahead=181)
P11bre12gedVRST<-P11bre12gedFORE@forecast$series=P11bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11bre12gedESST<-P11bre12gedFORE@forecast$series=P11bre12gedFORE@forecast$sigma*integrate(fP11bre12gedFIT, 0, 0.025)$value/0.025
P11bre12gedBMST<-ESTest(0.025, datP11brretOUTSA$P11brretOUTSA, P11bre12gedESST,P11bre12gedVRST, boot=TRUE)
```

Portfolio 12br: Bonds and Equities and Transportation and Utilities

```
P12brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECCretINSA$rev.SECCretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECCretOUTSA$rev.SECCretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12brretINSA)
datP12brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12brretOUTSA)
summary(ur.df(datP12brretINSA$P12brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12brretINSA$P12brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12brretINSA$P12brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12brretINSA$P12brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12brretINSA$P12brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12brc<-auto.arima(datP12brretINSA$P12brretINSA, stationary=TRUE, allowmean=FALSE)
P12bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12bre12gedFITc-ugarchfit(spec=P12bre12ged,data=datP12brretINSA$P12brretINSA)
P12bre12gedFORE<-ugarchforecast(P12bre12gedFIT,n.ahead=181)
P12bre12gedVRST<-P12bre12gedFORE@forecast$series=P12bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12bre12gedESST<-P12bre12gedFORE@forecast$series=P12bre12gedFORE@forecast$sigma*integrate(fP12bre12gedFIT, 0, 0.025)$value/0.025
P12bre12gedBMST<-ESTest(0.025, datP12brretOUTSA$P12brretOUTSA, P12bre12gedESST,P12bre12gedVRST, boot=TRUE)
```

Portfolio 13br: Bonds and Equities and Other / Arima produced NaN in sqrt

```
P13brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETEretINSA$rev.SETEretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSECHretINSA$rev.SECHretINSA))+(0.03/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETEretOUTSA$rev.SETEretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECHretOUTSA$rev.SECHretOUTSA))+(0.03/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13brretINSA)
datP13brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13brretOUTSA)
summary(ur.df(datP13brretINSA$P13brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13brretINSA$P13brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13brretINSA$P13brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13brretINSA$P13brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13brretINSA$P13brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13brc<-auto.arima(datP13brretINSA$P13brretINSA, stationary=TRUE, allowmean=FALSE)
P13bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13bre12gedFITc-ugarchfit(spec=P13bre12ged,data=datP13brretINSA$P13brretINSA)
P13bre12gedFORE<-ugarchforecast(P13bre12gedFIT,n.ahead=181)
P13bre12gedVRST<-P13bre12gedFORE@forecast$series=P13bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13bre12gedESST<-P13bre12gedFORE@forecast$series=P13bre12gedFORE@forecast$sigma*integrate(fP13bre12gedFIT, 0, 0.025)$value/0.025
P13bre12gedBMST<-ESTest(0.025, datP13brretOUTSA$P13brretOUTSA, P13bre12gedESST,P13bre12gedVRST, boot=TRUE)
```

Portfolio 14br: Bonds and Equities and REITS

```
P14brretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.149*(datSEETretINSA$rev.SEETretINSA)+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.03/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SEREretINSA))
P14brretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.149*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.03/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEREretOUTSA$rev.SEREretOUTSA))
datP14brretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14brretINSA)
datP14brretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14brretOUTSA)
summary(ur.df(datP14brretINSA$P14brretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14brretINSA$P14brretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14brretINSA$P14brretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14brretINSA$P14brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14brretINSA$P14brretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14brc<-auto.arima(datP14brretINSA$P14brretINSA, stationary=TRUE, allowmean=FALSE)
P14bre12gedc-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(5,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14bre12gedFITc-ugarchfit(spec=P14bre12ged,data=datP14brretINSA$P14brretINSA)
```

```
P14bre12gedFORE<-ugarchforecast(P14bre12gedFIT,n.ahead=181)
P14bre12gedVRST<-P14bre12gedFORE@forecast$series=P14bre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14bre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14bre12gedESST<-P14bre12gedFORE@forecast$series=P14bre12gedFORE@forecast$sigma*integrate(fP14bre12gedFIT, 0, 0.025)$value/0.025
P14bre12gedBMST<-ESTest(0.025, datP14brretOUTSA$P14brretOUTSA, P14bre12gedESST,P14bre12gedVRST, boot=TRUE)
```

Portfolio 4

Portfolio 8cr: Bonds and Equities and Emotionals

```
P8crretINSA<-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEBEretINSA$rev.SEBEretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAPretINSA$rev.SEAPretINSA))
P8crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEBEretOUTSA$rev.SEBEretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAPretOUTSA$rev.SEAPretOUTSA))
datP8crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P8crretINSA)
datP8crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P8crretOUTSA)
summary(ur.df(datP8crretINSA$P8crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP8crretINSA$P8crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP8crretINSA$P8crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP8crretINSA$P8crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP8crretINSA$P8crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP8crr<-auto.arima(datP8crretINSA$P8crretINSA, stationary=TRUE, allowmean=FALSE)
P8cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P8cre12gedFITc<-ugarchfit(spec=P8cre12ged,data=datP8crretINSA$P8crretINSA)
P8cre12gedFORE<-ugarchforecast(P8cre12gedFIT,n.ahead=181)
P8cre12gedVRST<-P8cre12gedFORE@forecast$series=P8cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP8cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P8cre12gedESST<-P8cre12gedFORE@forecast$series=P8cre12gedFORE@forecast$sigma*integrate(fP8cre12gedFIT, 0, 0.025)$value/0.025
P8cre12gedBMST<-ESTest(0.025, datP8crretOUTSA$P8crretOUTSA, P8cre12gedESST,P8cre12gedVRST, boot=TRUE)
```

Portfolio 9cr: Bonds and Equities and Energy

```
P9crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+0.01*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAEretINSA$rev.SEAEretINSA))
P9crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+0.01*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAEretOUTSA$rev.SEAEretOUTSA))
datP9crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P9crretINSA)
datP9crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P9crretOUTSA)
summary(ur.df(datP9crretINSA$P9crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP9crretINSA$P9crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP9crretINSA$P9crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP9crretINSA$P9crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP9crretINSA$P9crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP9crr<-auto.arima(datP9crretINSA$P9crretINSA, stationary=TRUE, allowmean=FALSE)
P9cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P9cre12gedFITc<-ugarchfit(spec=P9cre12ged,data=datP9crretINSA$P9crretINSA)
P9cre12gedFORE<-ugarchforecast(P9cre12gedFIT,n.ahead=181)
P9cre12gedVRST<-P9cre12gedFORE@forecast$series=P9cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP9cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P9cre12gedESST<-P9cre12gedFORE@forecast$series=P9cre12gedFORE@forecast$sigma*integrate(fP9cre12gedFIT, 0, 0.025)$value/0.025
P9cre12gedBMST<-ESTest(0.025, datP9crretOUTSA$P9crretOUTSA, P9cre12gedESST,P9cre12gedVRST, boot=TRUE)
```

Portfolio 10cr: Bonds and Equities and Oil

```
P10crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOGretINSA$rev.SEOGretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEOEretINSA$rev.SEOEretINSA))
P10crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOGretOUTSA$rev.SEOGretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEOEretOUTSA$rev.SEOEretOUTSA))
datP10crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P10crretINSA)
datP10crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P10crretOUTSA)
summary(ur.df(datP10crretINSA$P10crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP10crretINSA$P10crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP10crretINSA$P10crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP10crretINSA$P10crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP10crretINSA$P10crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP10crr<-auto.arima(datP10crretINSA$P10crretINSA, stationary=TRUE, allowmean=FALSE)
P10cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,3), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P10cre12gedFITc<-ugarchfit(spec=P10cre12ged,data=datP10crretINSA$P10crretINSA)
P10cre12gedFORE<-ugarchforecast(P10cre12gedFIT,n.ahead=181)
P10cre12gedVRST<-P10cre12gedFORE@forecast$series=P10cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP10cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P10cre12gedESST<-P10cre12gedFORE@forecast$series=P10cre12gedFORE@forecast$sigma*integrate(fP10cre12gedFIT, 0, 0.025)$value/0.025
P10cre12gedBMST<-ESTest(0.025, datP10crretOUTSA$P10crretOUTSA, P10cre12gedESST,P10cre12gedVRST, boot=TRUE)
```

Portfolio 11cr: Bonds and Equities and Telecommunication

```
P11crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFLretINSA$rev.SEFLretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEMOretINSA$rev.SEMOretINSA))
P11crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFLretOUTSA$rev.SEFLretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEMOretOUTSA$rev.SEMOretOUTSA))
datP11crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P11crretINSA)
datP11crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P11crretOUTSA)
summary(ur.df(datP11crretINSA$P11crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP11crretINSA$P11crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP11crretINSA$P11crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP11crretINSA$P11crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP11crretINSA$P11crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP11crr<-auto.arima(datP11crretINSA$P11crretINSA, stationary=TRUE, allowmean=FALSE)
P11cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P11cre12gedFITc<-ugarchfit(spec=P11cre12ged,data=datP11crretINSA$P11crretINSA)
P11cre12gedFORE<-ugarchforecast(P11cre12gedFIT,n.ahead=181)
P11cre12gedVRST<-P11cre12gedFORE@forecast$series=P11cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP11cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P11cre12gedESST<-P11cre12gedFORE@forecast$series=P11cre12gedFORE@forecast$sigma*integrate(fP11cre12gedFIT, 0, 0.025)$value/0.025
P11cre12gedBMST<-ESTest(0.025, datP11crretOUTSA$P11crretOUTSA, P11cre12gedESST,P11cre12gedVRST, boot=TRUE)
```

Portfolio 12cr: Bonds and Equities and Transportation and Utilities

```
P12crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEAIretINSA$rev.SEAIretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETRretINSA$rev.SETRretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEECretINSA$rev.SEECretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEUTretINSA$rev.SEUTretINSA))
P12crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEAIretOUTSA$rev.SEAIretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETRretOUTSA$rev.SETRretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSECretOUTSA$rev.SECretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEUTretOUTSA$rev.SEUTretOUTSA))
datP12crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P12crretINSA)
datP12crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P12crretOUTSA)
summary(ur.df(datP12crretINSA$P12crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP12crretINSA$P12crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP12crretINSA$P12crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP12crretINSA$P12crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP12crretINSA$P12crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP12crr<-auto.arima(datP12crretINSA$P12crretINSA, stationary=TRUE, allowmean=FALSE)
P12cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(5,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P12cre12gedFITc<-ugarchfit(spec=P12cre12ged,data=datP12crretINSA$P12crretINSA)
P12cre12gedFORE<-ugarchforecast(P12cre12gedFIT,n.ahead=181)
P12cre12gedVRST<-P12cre12gedFORE@forecast$series=P12cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP12cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P12cre12gedESST<-P12cre12gedFORE@forecast$series=P12cre12gedFORE@forecast$sigma*integrate(fP12cre12gedFIT, 0, 0.025)$value/0.025
P12cre12gedBMST<-ESTest(0.025, datP12crretOUTSA$P12crretOUTSA, P12cre12gedESST,P12cre12gedVRST, boot=TRUE)
```

Portfolio 13cr: Bonds and Equities and Other

```
P13crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEFPretINSA$rev.SEFPretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSETEretINSA$rev.SETEretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEChretINSA$rev.SEChretINSA))+(0.01/4)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSESOretINSA$rev.SESOretINSA))
P13crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEFPretOUTSA$rev.SEFPretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSETEretOUTSA$rev.SETEretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEChretOUTSA$rev.SEChretOUTSA))+(0.01/4)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSESOretOUTSA$rev.SESOretOUTSA))
datP13crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P13crretINSA)
datP13crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P13crretOUTSA)
summary(ur.df(datP13crretINSA$P13crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP13crretINSA$P13crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP13crretINSA$P13crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP13crretINSA$P13crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP13crretINSA$P13crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP13crr<-auto.arima(datP13crretINSA$P13crretINSA, stationary=TRUE, allowmean=FALSE)
P13cre12gedc<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(4,1), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P13cre12gedFITc<-ugarchfit(spec=P13cre12ged,data=datP13crretINSA$P13crretINSA)
P13cre12gedFORE<-ugarchforecast(P13cre12gedFIT,n.ahead=181)
P13cre12gedVRST<-P13cre12gedFORE@forecast$series=P13cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP13cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P13cre12gedESST<-P13cre12gedFORE@forecast$series=P13cre12gedFORE@forecast$sigma*integrate(fP13cre12gedFIT, 0, 0.025)$value/0.025
P13cre12gedBMST<-ESTest(0.025, datP13crretOUTSA$P13crretOUTSA, P13cre12gedESST,P13cre12gedVRST, boot=TRUE)
```

Portfolio 14cr: Bonds and Equities and REITS

```
P14crretINSAc-0.821*datGREXretINSA$rev.GREXretINSA+0.169*(datSEETretINSA$rev.SEETretINSA)+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEISretINSA$rev.SEISretINSA))+(0.01/2)*residuals(lm(datSEETretINSA$rev.SEETretINSA~datSEREretINSA$rev.SEREretINSA))
P14crretOUTSAc-0.821*datGREXretOUTSA$rev.GREXretOUTSA+0.169*(datSEETretOUTSA$rev.SEETretOUTSA)+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEISretOUTSA$rev.SEISretOUTSA))+(0.01/2)*residuals(lm(datSEETretOUTSA$rev.SEETretOUTSA~datSEREretOUTSA$rev.SEREretOUTSA))
datP14crretINSA <- data.frame(Date = seq(as.Date("2013-10-02"), as.Date("2018-08-31") , by = 1), P14crretINSA)
datP14crretOUTSA <- data.frame(Date = seq(as.Date("2018-09-01"), as.Date("2019-02-28") , by = 1), P14crretOUTSA)
summary(ur.df(datP14crretINSA$P14crretINSA, type=c("drift"), lag=100))
summary(ur.kpss(datP14crretINSA$P14crretINSA, type=c("mu"), lags=c("short")))
summary(ur.kpss(datP14crretINSA$P14crretINSA, type=c("mu"), lags=c("long")))
summary(ur.pp(datP14crretINSA$P14crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("short")))
summary(ur.pp(datP14crretINSA$P14crretINSA, type=c("Z-tau"), model = c("constant"), lags=c("long")))
arimaP14crr<-auto.arima(datP14crretINSA$P14crretINSA, stationary=TRUE, allowmean=FALSE)
```

```
P14cre12ged<-ugarchspec(variance.model=list(model="eGARCH", garchOrder=c(1,2)), mean.model=list(armaOrder=c(3,2), include.mean=FALSE), distribution.model="ged",list(maxit = 1000))
P14cre12gedFIT<-ugarchfit(spec=P14cre12ged,data=datP14crretINSA$P14crretINSA)
P14cre12gedFORE<-ugarchforecast(P14cre12gedFIT,n.ahead=181)
P14cre12gedVRST<-P14cre12gedFORE@forecast$series+P14cre12gedFORE@forecast$sigma*qdist("sstd", p=0.025, mu = 0, sigma = 1, shape=2.5)
fP14cre12gedFIT = function(x) qdist("sstd", p=x, mu = 0, sigma = 1, shape=2.5)
P14cre12gedESST<-P14cre12gedFORE@forecast$series+P14cre12gedFORE@forecast$sigma*integrate(fP14cre12gedFIT, 0, 0.025)$value/0.025
P14cre12gedBMST<-ESTest(0.025, datP14crretOUTSA$P14crretOUTSA, P14cre12gedESST,P14cre12gedVRST, boot=TRUE)
```

Extract Backtest McNeil

BACKTEST<-rbind(P1e12gedBMST, P2e12gedBMST, P3e12gedBMST, P4e12gedBMST, P5e12gedBMST, P6e12ged8MST, P7e12gedBMST, P8e12gedBMST, P9e12gedBMST, P10e12gedBMST, P11e12gedBMST, P12e12gedBMST, P13e12gedBMST, P14e12gedBMST, P2ae12gedBMST, P3ae12gedBMST, P4ae12gedBMST, P5ae12gedBMST, P6ae12gedBMST, P7ae12gedBMST, P8ae12gedBMST, P9ae12gedBMST, P10ae12gedBMST, P11ae12gedBMST, P12ae12gedBMST, P13ae12gedBMST, P14ae12gedBMST, P2be12gedBMST, P3be12gedBMST, P4be12gedBMST, P5be12gedBMST, P6be12gedBMST, P7be12gedBMST, P8be12gedBMST, P9be12gedBMST, P10be12gedBMST, P11be12gedBMST, P12be12gedBMST, P13be12gedBMST, P14be12gedBMST, P2ce12gedBMST, P3ce12gedBMST, P4ce12gedBMST, P5ce12gedBMST, P6ce12gedBMST, P7ce12gedBMST, P8ce12gedBMST, P9ce12gedBMST, P10ce12gedBMST, P11ce12gedBMST, P12ce12gedBMST, P13ce12gedBMST, P14ce12ged8MST,P8re12gedBMST, P9re12gedBMST, P10re12gedBMST, P11re12gedBMST, P12re12gedBMST, P13re12gedBMST, P14re12gedBMST, P8are12gedBMST, P9are12gedBMST, P10are12gedBMST, P11are12gedBMST, P12are12gedBMST, P13are12gedBMST, P14are12gedBMST, P8bre12gedBMST, P9bre12gedBMST, P10bre12gedBMST, P11bre12gedBMST, P12bre12gedBMST, P13bre12gedBMST, P14bre12gedBMST, P8cre12gedBMST, P9cre12gedBMST, P10cre12gedBMST, P11cre12gedBMST, P12cre12gedBMST, P13cre12gedBMST, P14cre12gedBMST)

Extract ESST

ESPORTFOLIO<-cbind(P1e12gedESST, P2e12gedESST, P3e12gedESST, P4e12gedESST, P5e12gedESST, P6e12gedESST, P7e12gedESST, P8e12gedESST, P9e12gedESST, P10e12gedESST, P11e12gedESST, P12e12gedESST, P13e12gedESST, P14e12gedESST, P2ae12gedESST, P3ae12gedESST, P4ae12gedESST, P5ae12gedESST, P6ae12gedESST, P7ae12gedESST, P8ae12gedESST, P9ae12gedESST, P10ae12gedESST, P11ae12gedESST, P12ae12gedESST, P13ae12gedESST, P14ae12gedESST, P2be12gedESST, P3be12gedESST, P4be12gedESST, P5be12gedESST, P6be12gedESST, P7be12gedESST, P8be12gedESST, P9be12gedESST, P10be12gedESST, P11be12gedESST, P12be12gedESST, P13be12gedESST, P14be12gedESST, P2ce12gedESST, P3ce12gedESST, P4ce12gedESST, P5ce12gedESST, P6ce12gedESST, P7ce12gedESST, P8ce12gedESST, P9ce12gedESST, P10ce12gedESST, P11ce12gedESST, P12ce12gedESST, P13ce12gedESST, P14ce12gedESST, P8re12gedESST, P9re12gedESST, P10re12gedESST, P11re12gedESST, P12re12gedESST, P13re12gedESST, P14re12gedESST, P8are12gedESST, P9are12gedESST, P10are12gedESST, P11are12gedESST, P12are12gedESST, P13are12gedESST, P14are12gedESST, P8bre12gedESST, P9bre12gedESST, P10bre12gedESST, P11bre12gedESST, P12bre12gedESST, P13bre12gedESST, P14bre12gedESST, P8cre12gedESST, P9cre12gedESST, P10cre12gedESST, P11cre12gedESST, P12cre12gedESST, P13cre12gedESST, P14cre12gedESST)

Extract ESST Mean

ESMEANPORTFOLIO<-rbind(mean(P1e12gedESST), mean(P2e12gedESST), mean(P3e12gedESST), mean(P4e12gedESST), mean(P5e12gedESST), mean(P6e12gedESST), mean(P7e12gedESST), mean(P8e12gedESST), mean(P9e12gedESST), mean(P10e12gedESST), mean(P11e12gedESST), mean(P12e12gedESST), mean(P13e12gedESST), mean(P14e12gedESST), mean(P2ae12gedESST), mean(P3ae12gedESST), mean(P4ae12gedESST), mean(P5ae12gedESST), mean(P6ae12gedESST), mean(P7ae12gedESST), mean(P8ae12gedESST), mean(P9ae12gedESST), mean(P10ae12gedESST), mean(P11ae12gedESST), mean(P12ae12gedESST), mean(P13ae12gedESST), mean(P14ae12gedESST), mean(P2be12gedESST), mean(P3be12gedESST), mean(P4be12gedESST), mean(P5be12gedESST), mean(P6be12gedESST), mean(P7be12gedESST), mean(P8be12gedESST), mean(P9be12gedESST), mean(P10be12gedESST), mean(P11be12gedESST), mean(P12be12gedESST), mean(P13be12gedESST), mean(P14be12gedESST), mean(P2ce12gedESST), mean(P3ce12gedESST), mean(P4ce12gedESST), mean(P5ce12gedESST), mean(P6ce12gedESST), mean(P7ce12gedESST), mean(P8ce12gedESST), mean(P9ce12gedESST), mean(P10ce12gedESST), mean(P11ce12gedESST), mean(P12ce12gedESST), mean(P13ce12gedESST), mean(P14ce12gedESST), mean(P8re12gedESST), mean(P9re12gedESST), mean(P10re12gedESST), mean(P11re12gedESST), mean(P12re12gedESST), mean(P13re12gedESST), mean(P14re12gedESST), mean(P8are12gedESST), mean(P9are12gedESST), mean(P10are12gedESST), mean(P11are12gedESST), mean(P12are12gedESST), mean(P13are12gedESST), mean(P14are12gedESST), mean(P8bre12gedESST), mean(P9bre12gedESST), mean(P10bre12gedESST), mean(P11bre12gedESST), mean(P12bre12gedESST), mean(P13bre12gedESST), mean(P14bre12gedESST), mean(P8cre12gedESST), mean(P9cre12gedESST), mean(P10cre12gedESST), mean(P11cre12gedESST), mean(P12cre12gedESST), mean(P13cre12gedESST), mean(P14cre12gedESST))

DIGITAL APPENDIX T

T_[RESULTS]_Chapter 4.7._Portfolio Results

PORTFOLIO	Mean Value at Risk	COMPARED TO MAIN PORTFOLIO 1	PORTFOLIO
P1e12gedEEST	-0.003808304		Portfolio 1
P2e12gedEEST	-0.00336399	reduced ES	Portfolio 2: Food Commodities
P3e12gedEEST	-0.003980188	higher ES	Portfolio 3: Energy Commodities
P4e12gedEEST	-0.00361531	reduced ES	Portfolio 4: Metal Commodities
P5e12gedEEST	-0.003706284	reduced ES	Portfolio 5: Cotton Commodities
P6e12gedEEST	-0.010921136	higher ES	Portfolio 6: Crypto
P7e12gedEEST	-0.003621573	reduced ES	Portfolio 7: Private Equtiy
P8e12gedEEST	-0.003859821	higher ES	Portfolio 8: Emotionals
P9e12gedEEST	-0.005332834	Does not work	Portfolio 9: Energy
P10e12gedEEST	-0.003495878	reduced ES	Portfolio 10: Oil
P11e12gedEEST	-0.003989162	higher ES	Portfolio 11: Telecomunication
P12e12gedEEST	-0.004964314	higher ES	Portfolio 12: Transportation and Utilities
P13e12gedEEST	-0.003884426	higher ES	Portfolio 13: Other
P14e12gedEEST	-0.003951214	higher ES	Portfolio 14: REITS
P2ae12gedEEST	-0.003580745	reduced ES	Portfolio 2a: Food Commodities
P3ae12gedEEST	-0.003650078	reduced ES	Portfolio 3a: Energy Commodities
P4ae12gedEEST	-0.003671152	reduced ES	Portfolio 4a: Metal Commodities
P5ae12gedEEST	-0.003697529	reduced ES	Portfolio 5a: Cotton Commodities
P6ae12gedEEST	-0.007098403	higher ES	Portfolio 6a: Crypto
P7ae12gedEEST	-0.00370835	reduced ES	Portfolio 7a: Private Equtiy
P8ae12gedEEST	-0.003807811	reduced ES	Portfolio 8a: Emotionals
P9ae12gedEEST	-0.004467168	higher ES	Portfolio 9a: Energy
P10ae12gedEEST	-0.003849669	higher ES	Portfolio 10a: Oil
P11ae12gedEEST	-0.003794338	reduced ES	Portfolio 11a: Telecomunication
P12ae12gedEEST	-0.003900751	higher ES	Portfolio 12a: Transportation and Utilities
P13ae12gedEEST	-0.003860597	Does not work	Portfolio 13a: Other
P14ae12gedEEST	-0.003872731	higher ES	Portfolio 14a: REITS
P2be12gedEEST	-0.003671123	reduced ES	Portfolio 2b: Food Commodities
P3be12gedEEST	-0.003676729	reduced ES	Portfolio 3b: Energy Commodities
P4be12gedEEST	-0.003783611	reduced ES	Portfolio 4b: Metal Commodities
P5be12gedEEST	-0.003714807	reduced ES	Portfolio 5b: Cotton Commodities
P6be12gedEEST	-0.005484867	higher ES	Portfolio 6b: Crypto
P7be12gedEEST	-0.003841333	higher ES	Portfolio 7b: Private Equtiy
P8be12gedEEST	-0.004564492	higher ES	Portfolio 8b: Emotionals
P9be12gedEEST	-0.004842829	higher ES	Portfolio 9b: Energy
P10be12gedEEST	-0.006867818	higher ES	Portfolio 10b: Oil
P11be12gedEEST	-0.004902722	higher ES	Portfolio 11b: Telecomunication
P12be12gedEEST	-0.009579719	higher ES	Portfolio 12b: Transportation and Utilities
P13be12gedEEST	-0.010664709	higher ES	Portfolio 13b: Other
P14be12gedEEST	-0.004011412	higher ES	Portfolio 14b: REITS
P2ce12gedEEST	-0.003779711	reduced ES	Portfolio 2c: Food Commodities
P3ce12gedEEST	-0.003762467	reduced ES	Portfolio 3c: Energy Commodities
P4ce12gedEEST	-0.003806195	reduced ES	Portfolio 4c: Metal Commodities
P5ce12gedEEST	-0.003766028	reduced ES	Portfolio 5c: Cotton Commodities
P6ce12gedEEST	-0.004201483	higher ES	Portfolio 6c: Crypto
P7ce12gedEEST	-0.003851199	higher ES	Portfolio 7c: Private Equtiy
P8ce12gedEEST	-0.003799542	reduced ES	Portfolio 8c: Emotionals
P9ce12gedEEST	-0.003863612	higher ES	Portfolio 9c: Energy
P10ce12gedEEST	-0.003807077	reduced ES	Portfolio 10c: Oil
P11ce12gedEEST	-0.003786682	reduced ES	Portfolio 11c: Telecomunication
P12ce12gedEEST	-0.003822793	higher ES	Portfolio 12c: Transportation and Utilities
P13ce12gedEEST	-0.003811082	higher ES	Portfolio 13c: Other
P14ce12gedEEST	-0.003812875	higher ES	Portfolio 14c: REITS
P8re12gedESST	-0.003373265	reduced ES	Portfolio 8r: Emotionals
P9re12gedESST	-0.00377682	reduced ES	Portfolio 9r: Energy
P10re12gedESST	-0.003507701	reduced ES	Portfolio 10r: Oil
P11re12gedESST	-0.003305993	reduced ES	Portfolio 11r: Telecomunication
P12re12gedESST	-0.003298912	reduced ES	Portfolio 12r: Transportation and Utilities
P13re12gedESST	-0.00326857	reduced ES	Portfolio 13r: Other
P14re12gedESST	-0.003342657	reduced ES	Portfolio 14r: REITS
P8are12gedESST	-0.00359098	reduced ES	Portfolio 8ar: Emotionals
P9are12gedESST	-0.003765213	reduced ES	Portfolio 9ar: Energy
P10are12gedESST	-0.003676167	reduced ES	Portfolio 10ar: Oil
P11are12gedESST	-0.003546786	reduced ES	Portfolio 11ar: Telecomunication
P12are12gedESST	-0.003555897	Does not work	Portfolio 12ar: Transportation and Utilities
P13are12gedESST	-0.00358837	Does not work	Portfolio 13ar: Other
P14are12gedESST	-0.003705883	reduced ES	Portfolio 14ar: REITS
P8bre12gedESST	-0.003645814	reduced ES	Portfolio 8br: Emotionals
P9bre12gedESST	-0.003784482	reduced ES	Portfolio 9br: Energy
P10bre12gedESST	-0.00371264	reduced ES	Portfolio 10br: Oil
P11bre12gedESST	-0.003649938	reduced ES	Portfolio 11br: Telecomunication
P12bre12gedESST	-0.003652622	reduced ES	Portfolio 12br: Transportation and Utilities
P13bre12gedESST	-0.003676773	reduced ES	Portfolio 13br: Other
P14bre12gedESST	-0.003595906	reduced ES	Portfolio 14br: REITS
P8cre12gedESST	-0.003671475	reduced ES	Portfolio 8cr: Emotionals
P9cre12gedESST	-0.003778456	reduced ES	Portfolio 9cr: Energy
P10cre12gedESST	-0.003752688	reduced ES	Portfolio 10cr: Oil
P11cre12gedESST	-0.003777536	reduced ES	Portfolio 11cr: Telecomunication
P12cre12gedESST	-0.003764247	reduced ES	Portfolio 12cr: Transportation and Utilities
P13cre12gedESST	-0.003780878	reduced ES	Portfolio 13cr: Other
P14cre12gedESST	-0.003748188	reduced ES	Portfolio 14cr: REITS

MAIN PORTFOLIO	-0.003808304				Regression based calculation			
	8,95%	5%	3%	1%	8,95% Regression	5% Regression	3% Regression	1% Regression
Portfolio 2: Food Commodities	-0.003364	-0.0035807	-0.0036711	-0.003779711	x	x	x	x
Portfolio 3: Energy Commodities	-0.0039802	-0.0036501	-0.0036767	-0.003762467	x	x	x	x
Portfolio 4: Metal Commodities	-0.0036153	-0.0036712	-0.0037836	-0.003806195	x	x	x	x
Portfolio 5: Cotton Commodities	-0.0037063	-0.0036975	-0.0037148	-0.003766028	x	x	x	x
Portfolio 6: Crypto	-0.0109211	-0.0070984	-0.0054849	-0.004201483	x	x	x	x
Portfolio 7: Private Equtiy	-0.0036216	-0.0037083	-0.0038413	-0.003851199	x	x	x	x
Portfolio 8: Emotionals	-0.0038598	-0.0038078	-0.0045645	-0.003799542	-0.003373265	-0.00359098	-0.003645814	-0.003671475
Portfolio 9: Energy	Does not wor	-0.0044672	-0.0048428	-0.003863612	-0.00377682	-0.003765213	-0.003784482	-0.003778456
Portfolio 10: Oil	-0.0034959	-0.0038497	-0.0068678	-0.003807077	-0.003507701	-0.003676167	-0.00371264	-0.003752688
Portfolio 11: Telecomunication	-0.0039892	-0.0037943	-0.0049027	-0.003786682	-0.003305993	-0.003546786	-0.003649938	-0.003777536
Portfolio 12: Transportation and Utilities	-0.0049643	-0.0039008	-0.0095797	Does not work	-0.003298912	-0.003555897	-0.003652622	-0.003764247
Portfolio 13: Other	-0.0038844	Does not wor	-0.0106647	Does not work	-0.00326857	-0.00358837	-0.003676773	-0.003780878
Portfolio 14: REITS	-0.0039512	-0.0038727	-0.0040114	-0.003812875	-0.003342657	-0.003705883	-0.003595906	-0.003748188